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The Macintosh

Buyer's Guide

More than 650 products listed:

Software, Peripherals, and
Accessories

Software Reviews:

ExperLogo, Factfinder, MacLion,
QuickSet, ThinkTank 512,
and The Home Accountant



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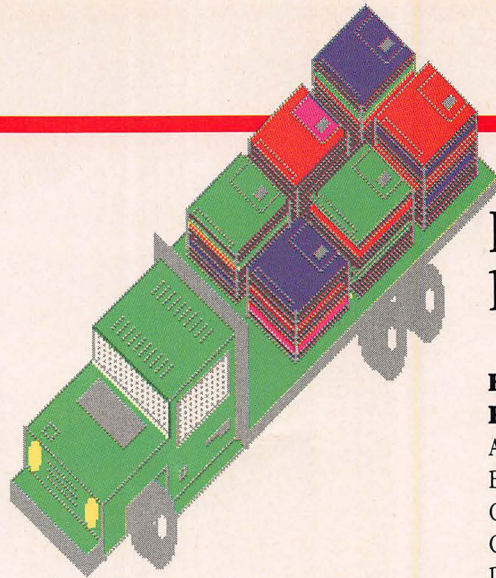
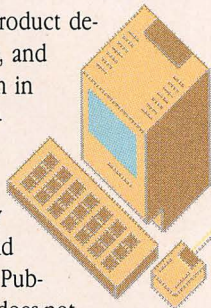
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Software Premiere: This section includes descriptions of recently released software products in selected categories. These are products that have become available since the Spring, 1985 issue of *The Macintosh Buyer's Guide*. Products are arranged by category and are listed alphabetically within categories.

Product Directory: This section includes every Macintosh product listed in our data base at the time this issue went to press. The products are arranged by category and are listed alphabetically within categories.

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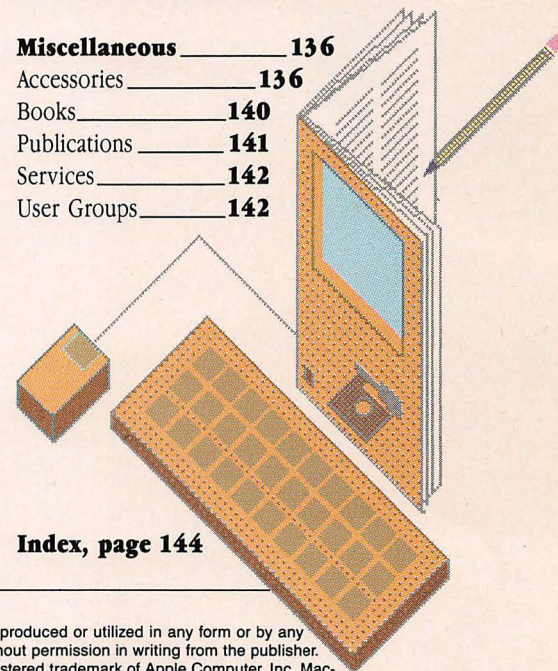
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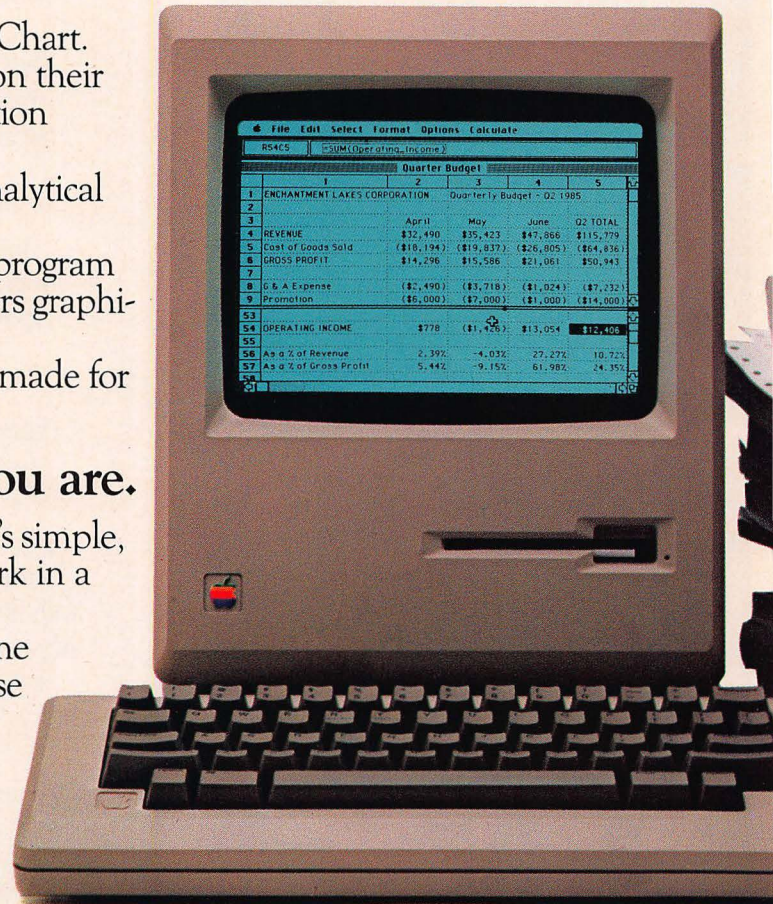
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The Macintosh Buyer's Guide

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EDITOR'S WINDOW

More On Hard Disks

Rather than take this space to personally expound, we'd like to share a letter we received that addresses one of the most-asked questions in the Macintosh world, "What can I expect from a hard disk?" We scratched the surface in the last issue, but Tim Gill, president of Quark Peripherals, Inc. adds several worthwhile comments:

"To elaborate on your hard-disk article, 'So You Want A Hard Disk?' in the Spring 1985 issue of *The Macintosh Buyer's Guide*, here's an explanation of some of the problems you encountered.

"When Apple designed the Macintosh they had not planned for a hard disk. This means that hard-disk performance using their current software is less than optimum.

"First, the article mentioned that the boot-disk icon would disappear from the desktop and the application icon would move to the top, thereby becoming the startup disk. In the Macintosh environment, the startup disk is always the disk from which the last application was run. It has no relation to the disk with which the system was booted.

"Thus, if you run MacWrite from the hard disk, when you exit the volume containing MacWrite will be the startup and will be at the top of the screen in the Finder. You will be unable to put the startup disk in the trash because the Finder is using the System file on that disk or volume.

"Second, the article mentioned the need to eject the hard-disk icon from the desktop before shutting off the machine. This is necessary so the Macintosh will update the directory on the hard disk. It will update automatically, but only when you move in and out of applications.

"If you have just changed the name of a file using the Finder, for example, and then shut off the Macintosh, the name change will be lost. This characteristic also exists while using floppy disks. Apple has an unreleased version of the Finder with a shut-down feature to update all

directories. This isn't very elegant, but it's the best that can be done with the current Finder.

"We have also observed that the Finder will occasionally miscopy something on a hard-disk volume. For example, if you copy files from the hard disk to the floppy and one of them is the System file, the floppy often becomes unbootable. This is another item that has been corrected in Apple's new version of the Finder.

"Third, the article mentioned the inconvenience of not being able to boot the system directly from the hard disk. This is impossible with an externally connected drive because the ROMs in the Macintosh only go to the floppy. The Hyperdrive can be booted directly, but they replace the Apple ROMs, which will present interesting problems for Apple when they change the ROMs.

"Fourth, is the copy-protection fiasco that doesn't allow copy-protected software to be copied to a hard disk. This is a problem shared by all computers of any type unless the application developer built in a special hard-disk protection strategy. The Macintosh version of Multiplan, for example, requires only that the disk be in the drive the first time it is run after being powered up. All subsequent runs do not require the diskette.

"There are other difficulties you didn't mention, especially on the 128K machine. Hopefully, Apple's new software will take care of them."

Thanks, Tim for your input; and for writing the Editor's Window for me.

—Tom Kempf

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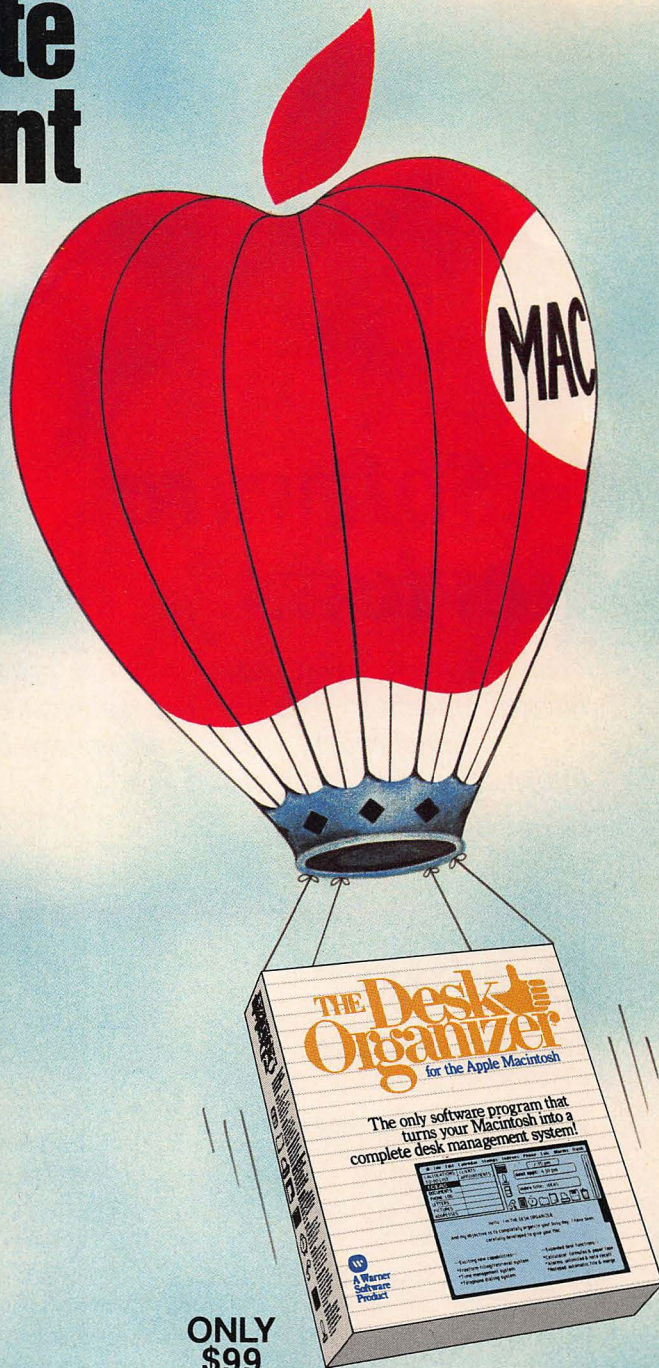
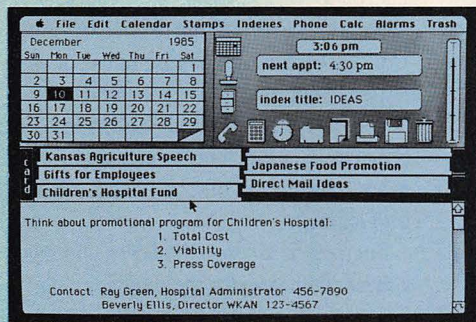
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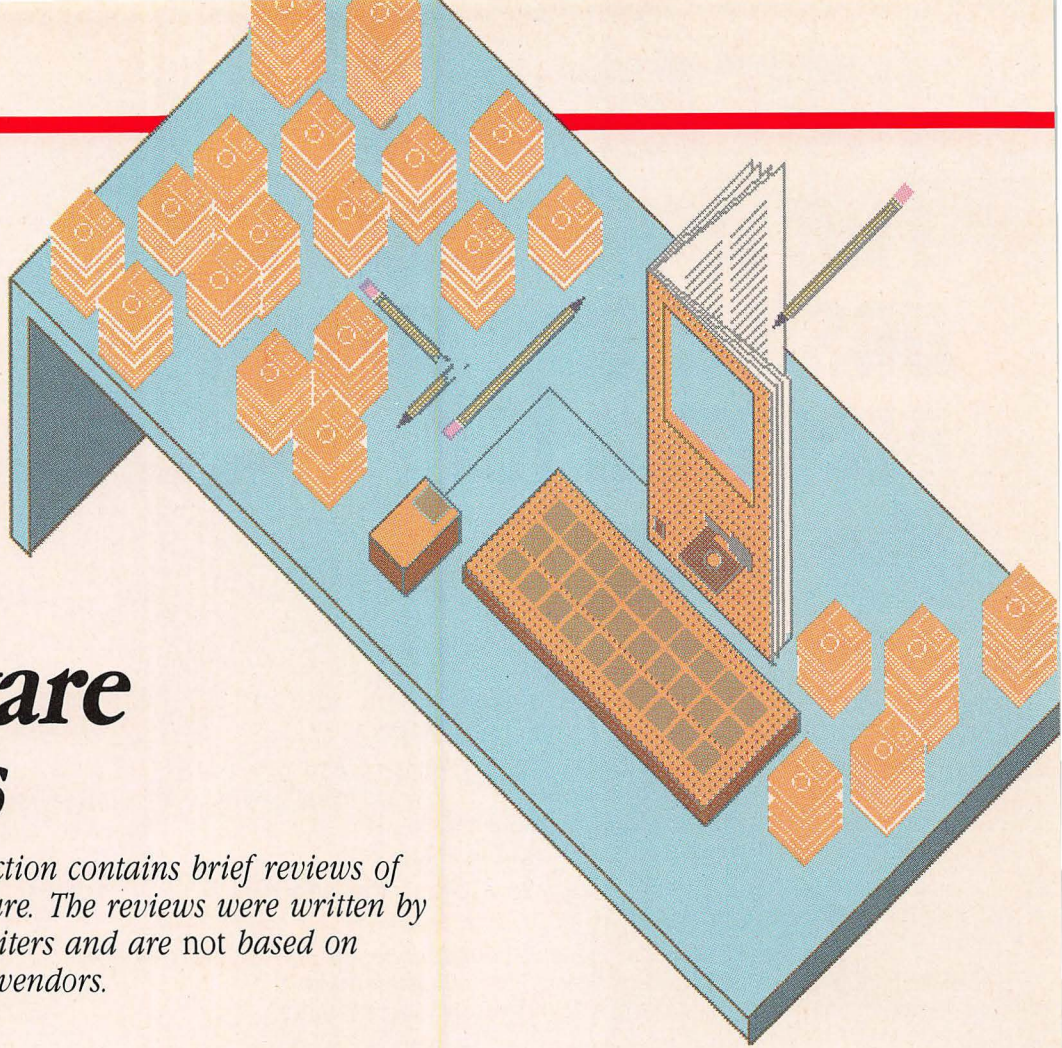
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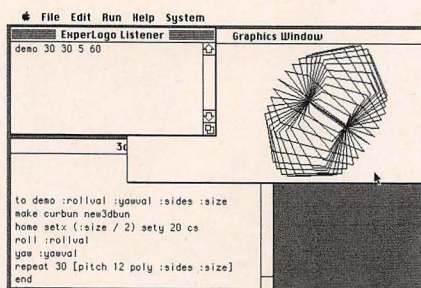
Software Reviews

This section contains brief reviews of selected Macintosh software. The reviews were written by independent writers and are not based on information supplied by vendors.



ExperLogo

Programming language



System Requirements: 128K or 512K Macintosh.

ExperLogo is an implementation of Logo that differs from other versions of this language in several major ways.

ExperLogo programs are compiled, thus increasing their speed manifold over inter-

preted versions. The program supports three-dimensional graphics as well as the creation of pictures on the surface of a sphere, and includes many features normally found in modern versions of LISP.

Most people who know anything at all about Logo think of it as a language primarily for children. While much of Logo is accessible to young children, and used in classrooms and homes throughout the world, Logo is a far more powerful programming language than most people realize.

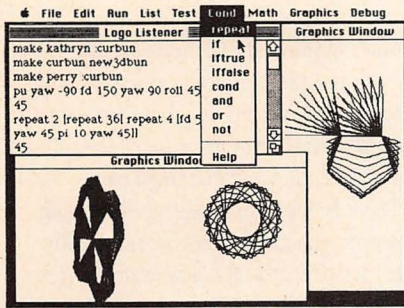
What many people don't know is that Logo is based on the artificial-intelligence (AI) research language, LISP, and that Logo is a perfectly good tool for implementing many types of programs ranging from the traditional programming domains to the field of AI.

If Logo has not been thought of as a general-purpose programming language be-

fore, it is because most microcomputer implementations of the language have suffered in several areas. Execution speed and efficient use of memory are two examples.

On the other hand, previous Logos have provided the user with a highly interactive interpreter that facilitates the creation of Logo procedures and the debugging of non-working programs. The ease of use of an interpreter, coupled with the simplicity of Logo's command structure, has made Logo a popular first programming language for many children and other novice programmers.

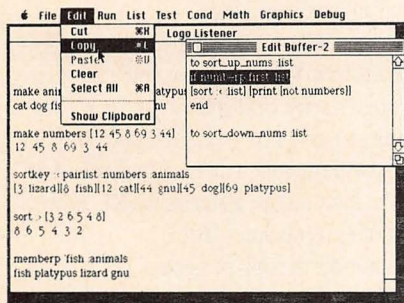
Interpreters are slow, however, and this is a severe limitation for the programming



Multiple-window capabilities

professional who wants to create serious applications. Ideally, the Logo programmer should have access to an interpreter for programming and debugging, and a compiler for the creation of the final, debugged code.

As the first compiled Logo in the micro-computer marketplace, ExperLogo has some impressive capabilities. For example, a



List processing

graphics benchmark program that requires almost 200 seconds to compute on the Macintosh using an interpreted version of Logo takes only seven seconds in ExperLogo—an increase in speed of almost 30 to 1.

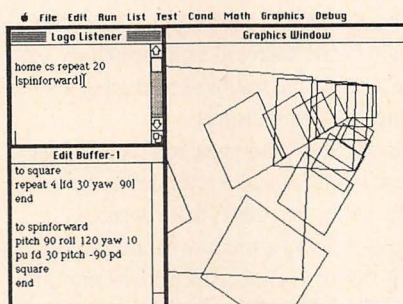
The major drawback that comes from using the ExperLogo compiler is that, as of the time this was written, the user is not provided with a way to save the compiled object code and the variable work space. This means that programs need to be compiled each time they are loaded from the disk. Hopefully, this will be resolved in future releases of the program.

Most Logo enthusiasts are familiar with turtle graphics. That's a method of creating graphic images on a display or output de-

vice by sending commands to a "turtle", represented by a cursor on a CRT screen or plotter pen, etc.

The turtle can be thought of as a computational object that obeys a set of commands instructing it, among other things, to move forward or backward by a specified amount, to turn to the left or right, and to pick up or set down its pen.

Pictures are drawn by the traces left



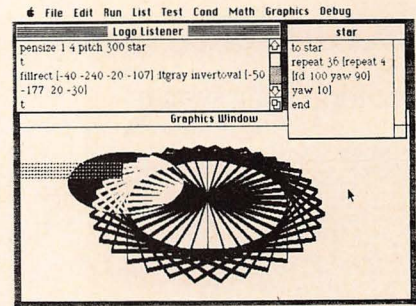
Three-dimensional graphics

behind as the turtle moves around on the graphics window. This method of describing images and shapes has many advantages.

In ExperLogo, the equivalent of turtle graphics is called "bunny graphics" because of the high speed at which the pictures are drawn. In addition to ExperLogo's speed in drawing pictures, it also provides access to the Quickdraw procedures available in Macintosh ROM and includes commands that allow the user to draw representations of three-dimensional pictures using the additional commands pitch, yaw, and roll.

An additional graphics mode allows the user to create images that look as if they were drawn on the surface of a sphere. The speed and richness of this graphics environment is quite stunning, but it is only a small part of ExperLogo.

Logo can be thought of as a user-friendly relative of LISP. One difference between LISP and Logo is that all LISP procedures are functions that return values. While this lends a certain purity and elegance to the language, it can be confusing when working with procedures whose utility comes from a side effect (drawing a line on the screen) rather than from producing a result



Quickdraw

(a mathematical function such as square root).

When Logo was created, its designers decided to break from LISP's pure functional programming style and make a distinction between two types of procedures—those that produced results (operations) and those used for their side effects (commands). In formal Logo, only operations produce results that are passed out of the procedure.

ExperLogo provides a hybrid world to the programmer in this regard. All Logo procedures are functions in the LISP sense, although the user can turn off the visible passing of information out of a procedure to make the language appear more like traditional Logo.

ExperLogo is the first of several program-development tools created by ExperTelligence for the fast-growing AI market. Because Logo is easier to learn than LISP, it is a perfect starting point for programmers whose interests range from computer graphics to the creation of programs that explore various topics in the field of artificial intelligence.

When MIT's Professor Seymour Papert created the concept for Logo, he wanted a programming language with "no threshold and no ceiling." ExperLogo goes far toward reaching this goal.

—David Thornburg

Available now; \$149.95 retail
ExperTelligence, Inc.; 559 San Ysidro Rd.;
Santa Barbara, Calif. 93108; 805-969-7871

Factfinder

Free-form filing system

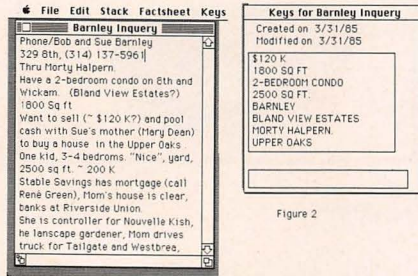


Figure 1

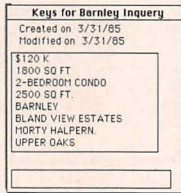


Figure 2

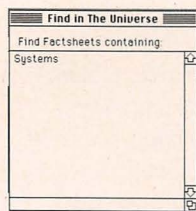


Figure 3

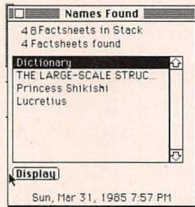


Figure 4

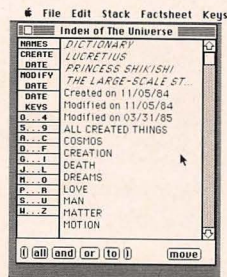


Figure 5

System Requirements: 128K or 512K Macintosh.

Factfinder is an electronic system of making written notes, filing them, and finding them again. It is an excellent tool for organizing and searching freely written text.

For a busy manager it might be a way of making notes on meetings, phone calls, or random ideas. They can then be stored easily without filing them by hand or letting them pile up haphazardly in a drawer.

For someone doing research it automates the three-by-five card system. The user can create the cards on the screen and let the computer store, sort, and find them.

When you first open the application,

Factfinder shows a group of windows. On the left is a window called the Factsheet, where you can type up to about six pages of text. You can expand this window to fill the whole screen if necessary.

A group of related Factsheets you choose to keep together is called a stack. With normal Macintosh text tools you can select words or phrases in each Factsheet to become key words. These can be used at any time to retrieve Factsheets from the stack.

Figure 1 shows a Factsheet that a realtor might create to record a phone inquiry. Figure 2 shows the realtor's selection of key words for that Factsheet.

In another window he can type or copy these words and ask Factfinder to show or print all the Factsheets that contain them. Figure 3 shows a window containing a set of notes for a school paper on the universe. The user asks in figure 3 to show all the Factsheets that have the keyword "system". Figure 4 shows the list Factfinder produces. Clicking on the display button will display the Factsheets one by one.

As you make new Factsheets and select key words in them, Factfinder accumulates in an index all the key words you have selected for the stack. The program will display this index for you as shown in figure 5.

Then you can scroll through the index and call for display of any of the Factsheets that were tagged with a given key word when it was made. The buttons on the left side of the index in figure 5 show how you can also retrieve Factsheets according to when you made them or by their names.

You can also combine key words logically, for example, by asking to see a list of all Factsheets keyed to both "system" and "dreams". The realtor could ask to see all the notes he made on a certain day, or all the Factsheets that refer to Blandview estates and Upper Oaks.

The basic writing and editing tools are available for creating Factsheets. Factfinder allows only one font, however, Geneva.

A handy menu allows you to copy text-only files from other sources such as word-processing systems or files loaded from a telecommunications source. Electronic mail users who have more messages than they know what to do with could use Factfinder to organize them and make them easy to

sort using a choice of key words.

You can print all Factsheets at once, or choose specific ones for printing. Mailing labels can be printed, too, but the process is fairly awkward—you have to tell the printer you are printing one-inch-high pages.

There is one important feature missing, however, you can add key words to only one Factsheet at a time. For example, if the realtor suddenly decided he wanted to go through his stack for any Factsheets mentioning Upper Oaks, but had not thought to make it a key word originally, he would have to look at every Factsheet in the stack. There should be a feature that allows after-the-fact, global keyword insertion.

On a single-drive Macintosh you can keep your files on your master disk. That allows about 50 one-page Factsheets. If you have a second drive you can have about 500 pages of Factsheets. With a hard disk, of course, you can have thousands.

Version 1.0 of Factfinder tends to be slow. It reads from the disk every time you search through a stack or display a Factsheet. The developer says a new version, due out soon, will run much faster. When installed on the hard disk of a Macintosh XL, however, it ran several times faster.

Factfinder is copy protected, but you get two master disks when you buy the product and the copy protection isn't deadly. For example, you can make copies of these disks and the copies will read Factsheets of any kind and will allow you to create new stacks of a maximum of 16 Factsheets. As for hard-disk installation, it's much easier than most other Macintosh programs.

The 85-page user's manual is well written and organized logically. It includes a brief tutorial section on how to perform the basic functions, an easy-to-use reference section, and a good index.

Help is also available on disk from a menu that brings up images of the basic windows with call outs that describe functions. It is very effective.

—Dirk van Noubuys

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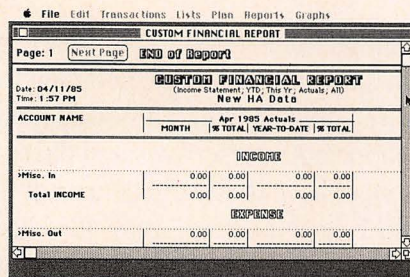
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Circle 4 on Reader Service Card

The Home Accountant and Financial Planner

Personal financial management



System Requirements: 128K or 512K Macintosh; second disk drive.

A large proportion of home-computer buyers say they intend to use their new machines to manage their personal finances. When they get home, surveys tell us, they tend to backslide.

To be honest about it, personal finance programs require a significant commitment of time and effort. For example, every check you write must be entered by date, amount, payee, budget category, and sometimes more. It can be tedious. So if all you want to do is balance your checkbook, you'd be better off with a \$12 calculator.

Finance programs, however, offer far more than a balanced checkbook. They can give you a way to track and analyze all income, expenses, and investments, and can make income-tax preparation much less traumatic.

The Home Accountant for the Macintosh uses the mouse, windows, and pull-down menus to keep the travails of budgeting and record keeping to a manageable minimum.

Let me say up front, however, that if you have a 128K Macintosh with one disk drive and don't plan to upgrade, you can stop reading. The program is simply beyond that system's capacity and will require disk

swaps by the dozen. Two drives are a must for 128K machines. On a single-drive 512K Macintosh, however, the program is much faster, and disk swapping isn't a problem.

The first step in creating a Home Accountant system is to set up accounts and budget categories. When you select Add Categories from the Lists menu, a category window appears.

Simply enter the category name and, if you wish, a starting balance. A click of the mouse designates the category, a bank account, credit card, cash, asset, liability, income, or expense.

Any account in which there are a lot of transactions should be designated a bank account. In addition to checking accounts, these might include money-market accounts, savings accounts, and cash-management accounts at a brokerage house.

When you write a check, the amount automatically will be deducted from your account and added to the appropriate expense category. When you make a deposit, the amount is added to your balance and to the income account you designate.

Credit-card accounts are similar, but work in reverse. A purchase increases the balance, and a check to the credit-card company is deducted from both your bank account and your credit-card balance.

Asset categories might include a home, cars, art, and collectibles. But if you include these as assets, be sure to set up liability accounts for any loans. Otherwise your balance sheet and net-worth statement will be completely out of kilter.

When you make a loan payment, you can split the transaction into principal and interest. The interest will be assigned to an expense category. The principal will be credited to the liability account, and your balance sheet and net worth will be recalculated automatically.

Selecting categories, particularly expense categories, requires a good bit of reflection. You'll want to keep your system as simple as possible, and your budget should reflect your current spending patterns. There's little point in attempting a radical departure. Once you've made your decisions, however, recording your budget is simple.

Click to make a selection from the budget list, choose Budget from the pull-down

menu, and enter the monthly amounts in the window. You can copy your initial entry to the remaining months in one step, or enter each month's figure separately.

You begin to reap the benefits of your efforts as soon as you begin recording transactions. When you select a bank account, a window resembling a check appears with the account balance in the corner. The date of the last check appears automatically, and checks are automatically numbered sequentially unless you want to change them.

The Home Accountant offers a very fast and easy solution to the data-entry problem. You can call up the list of categories in another window. As you fill out a check, you can either type in the category or select one from the list with a couple of clicks of the mouse. You can also compile a list of frequent payees that works the same way.

The program can produce dozens of on-screen or printed reports: income and expense, income statements, balance sheets, transactions, bill payments.

Macintosh's graphics, of course, are one of its best features. The Home Accountant takes advantage of them with bar graphs, line graphs, pie charts, and trend lines.

The Plan menu offers loan planning, retirement planning, and calculations of the future value of an investment or the amount you must save to reach a goal.

The release version we received contained two serious bugs. One caused the program to crash when I tried to arrange certain transaction reports by date. The other caused the program to add up columns incorrectly in a monthly budget report. These should be corrected by the time this review appears, and the company promises corrections when owners of flawed programs send in their registration cards.

Other versions of The Home Accountant have been around for several years, and the program has been very successful. The Macintosh version is such a dramatic improvement that it almost seems inappropriate to call it by the same name.

—Steve Adams

Available now; \$150 retail

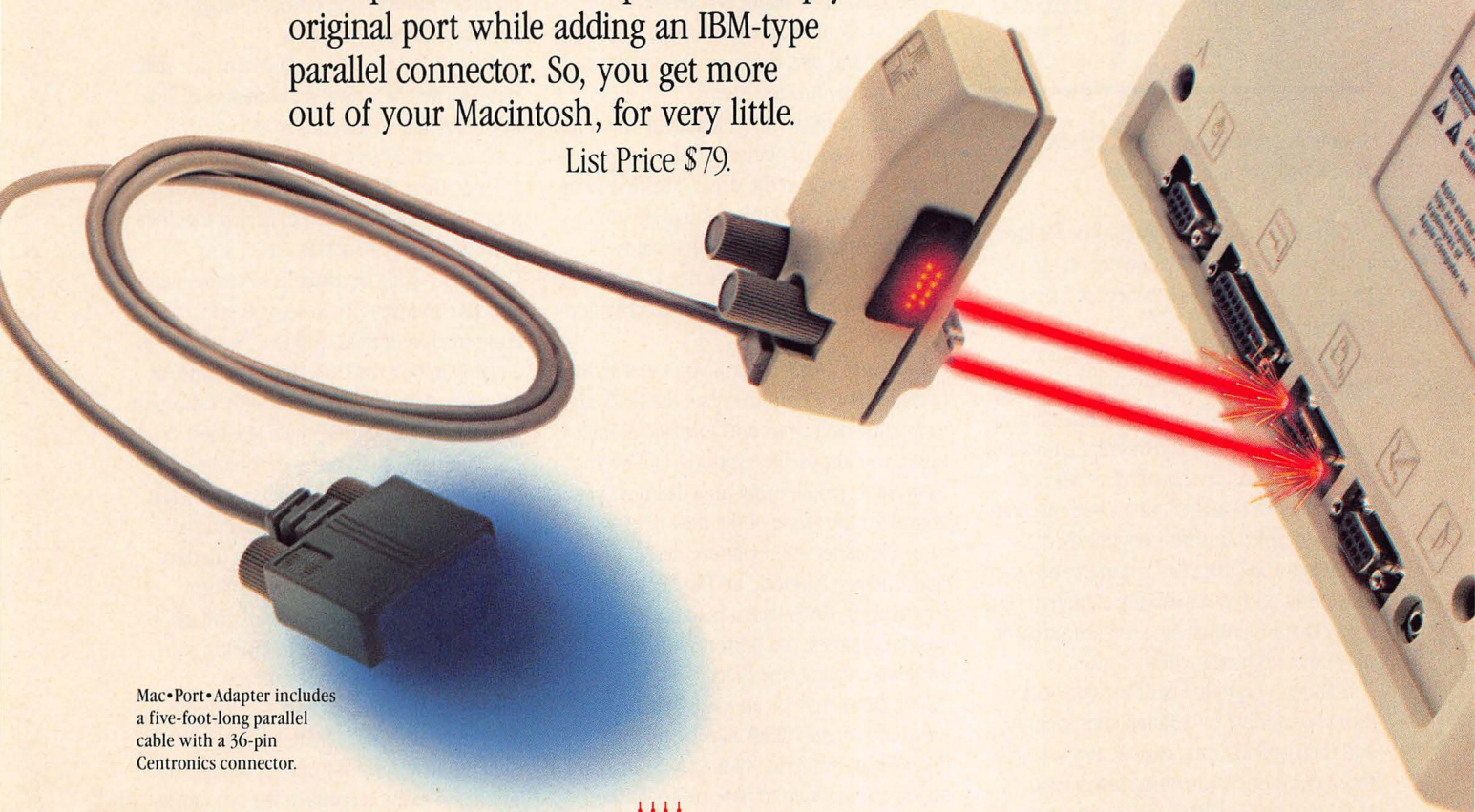
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MacLion

Relational data base

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Order Entry Screen for Quixotic Cuisine						
Order No. 240			Order Date 07/08/84			
Client Name DEJA						
DEJA UUE VIDEO RENTALS			AHN KOHR			
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Ita #	Description	Units	Qty	Price	Calculated	
102	CHEESECAKE	SLICE	19.0	4.50	85.50	
103	CHAMPAGNE	BOTTL	8.0	24.50	196.00	
104	POP CORN	POUND	15.0	3.00	45.00	
105	PETIT FOURS	DOZEN	15.0	13.23	198.45	
106	WHIPPED CREAM	QUART	20.0	5.75	115.00	
107	OYSTERS ROCKEFELLER	EACH	15.0	1.75	26.25	
					668.09	

Lion Command Display Special	
MODIFY RELATION	
Database Fields	<input type="radio"/> KEYS <input checked="" type="radio"/> NON-KEYS
CLIENT ADDRESS CITY STATE S.ZIP PHONE ORDER_NO S.AMOUNT S.BALANCE	Key Length 8 Total Length 146 <input type="button" value="SAVE"/> <input type="button" value="SAVE & AGAIN"/> <input type="button" value="CANCEL"/> <input type="button" value="DELETE FIELD"/>

System Requirements: 128K or 512K Macintosh; second disk drive.

One of the major complaints of Macintosh owners or potential owners is the apparent lack of serious business software packages available.

The MacLion Relational Data Base Management System, from Computer Software Design Inc. (CSD), Anaheim, Calif., should help change the Macintosh's reputation and soothe the consciences of users who are afraid they've bought a micro with no real use in complex business environments.

A relational DBMS is a computer program that stores and retrieves information in such a way that individual pieces of information may be combined in infinite ways.

It allows you to break down your data into very minute or detailed components and then quickly mix, match, and sort just those components to customize a report. More traditional DBMSs, including most of

those available for the Macintosh, allow you to mix and match data, but because of the way data files are defined you also get extra data you don't really want.

Despite how simple and straightforward the concept of a relational DBMS sounds, these programs are sophisticated in terms of both the way they are programmed and the skill it usually takes to use them.

MacLion takes a very powerful program and integrates it fairly well into the Macintosh user-friendly interface. It also allows seasoned users to do away with menus and mouse and drive the program directly from prompt mode.

It is a sophisticated program that elegantly handles large amounts of data and allows users to create routines to manage everything from simple mailing lists to full-blown accounting, marketing, inventory, and numerous other business-oriented programs. It requires a 128K or 512K Macintosh and a second disk drive, and supports hard disks and the Imagewriter.

To get the most out of MacLion you must do a great deal of planning before even putting the diskette in the drive. The first thing you must do is to think through the exact purpose of the data base. What kinds of outputs or reports will you need? What will be the most efficient way to enter data into the system?

With that under control you use a series of pull-down menus to create the fields or individual data types and formats. From a menu you choose the options, Define and New Field, which bring up a dialogue box asking for the name of the new field; a three-character abbreviation; designation as Text, Integer, Numeric, or Date field; and length. You may attach a help message, if desired, to assist the person who will be entering data into the field.

Text fields may be up to 255 characters long, and integer fields may be up to 10 digits long. Numeric fields may be up to 15 digits long with up to nine places to the right of the decimal point, and date fields use the standard MM/DD/YY format. These restrictions are featured in the dialogue box on screen, and MacLion displays an alert box if you try to violate them.

Once you have created all the fields you want, your next step is to create relations

by grouping these fields into meaningful combinations of fields that will normally appear together. You cluster the fields for a given relation and allow the records made up of the relations to be distinguished from one another by assigning one or more fields as key fields.

Key fields will allow you to sort out your records in ascending or descending numeric or alphabetic order later. Examples of common key fields are part numbers, order numbers, and state abbreviations.

When you're finished defining relations, you have subdivided the data base into related smaller groups of fields that will commonly be accessed together. For example, if you're keeping an order-and-billing data base you'll probably have relations labeled Order, Category, and so on, with attendant detail fields. Order might be keyed on order number and Category might be keyed on category number.

A given field can be included in one relation as a key field and in another as a non-key field. The fields chosen as key fields can't exceed 27 bytes for any given relation.

Since there will commonly be two or more relations you want to access together in a certain way—such as Order and Category—your next step is to create, name, and save indexes. To do so, you select a combination of fields (up to 27 bytes) from a dialogue box, and save the procedure as an index. This provides you with a shortcut for often-used queries, since MacLion saves the command and creates data paths to make execution of the command very fast.

Once you've defined fields, relations, keys, and indexes, it's time to set up data-entry screens. True to Macintosh form, MacLion uses pull-down menus and dialogue boxes to allow you to quickly paint the form you desire on the screen.

You can set up the screens so that the person entering data creates one record in each input relation, or one record in one relation and many records in the second relation.

Finally, you can have MacLion serve as a proofreader for the data being entered. It can check to make sure data falls within a

(Continued on page 16)



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Circle 6 on Reader Service Card

(Continued from page 14)

certain range or is a member of a list of acceptable responses. It can also make sure data being entered is unique, or verify that the data being entered matches that in another relation.

You may also set up a default for a given field and allow the user to overwrite it, or make a given field mandatory, meaning the user can't advance to the next record if he or she doesn't fill in that field.

Once you have designed the screen, MacLion generates source code to create it. You can save this code to a precompiled program library or modify it further using MacLion's text editor and Leo, MacLion's programming language. You can also edit the screen form later using the pull-down menus.

After data has been entered into the data base, it's time to see what can be done with MacLion's query capabilities. You can select and access data three ways: through the menu-driven query facility, through the prompt-driven query language, or through programs you create in Leo.

All three options let you build query commands and save them to MacLion's precompiled program library so they can be executed quickly at any time.

Most people will probably use the menu-driven facility, at least at the beginning. This feature lets you add, delete, edit, and list any relation or combination of relations in the data base.

The options available allow quite a sophisticated data-retrieval request. Let's say a data base is filled with information on clients, and you want to list all the clients whose names are in the last half of the alphabet, whose business addresses are not in Los Angeles, and who have placed orders since July 15, 1984.

In listing all these clients you want to show only the client name, the city, the dollar value of the order, and the date ordered.

The command clause could look something like this:

```
"LIST CLIENT > L WHERE CITY<>
"LOS ANGELES" AND DATE.ORDERED
>=07/15/84 (CLIENT CITY AMOUNT
DATE. ORDERED)."
```

The words in parentheses refer to the fields you want to display on the screen.

Printing information out in the form of reports can be done through the query facility by using the pull-down menus of the report facility or by writing programs in Leo. Again, many people will probably use the pull-down menus most often. These menus allow you to create columnar reports with a standard line width of 70 characters. An optional Condensed Print feature allows you to print 132 characters across.

Advanced users will probably want to try their hand at using Leo, MacLion's programming language. MacLion is written in Forth, and Leo is quite Forth-like. It is a structured language with 180 words predefined and the ability to be infinitely extended, which is to say you may define your own command words out of combinations of existing words and they may be as simple or as complex as your needs dictate.

Custom commands may be created via the text editor and then run from the menu-driven query mode, the prompt-driven query mode, the Leo interactive mode, or the Leo program mode. You can work with Leo in either interpreted or compiled modes. CSD claims that Leo is by some counts 12 times faster than BASIC.

Leo supports floating-point operations and gives you access to some Macintosh toolbox tools to control such things as on-screen buttons and alert boxes. A good tutorial lets even a beginning user construct some simple Leo programs almost immediately.

MacLion is not the kind of Macintosh program that you can figure out how to use without the two-manual documentation. One manual is a 240-page user tutorial that complements a sample data base on the data disk supplied with MacLion.

This tutorial is well-illustrated with

screen snapshots, and has good cross-references among the chapters as well as a pretty good index.

The other manual is a 260-page reference manual, including more technical background on MacLion's data-base structure, its query, report, screen, utility, and text-editor functions, and a summary, tutorial, and alphabetic reference section devoted to Leo. This manual also contains an index and a fair glossary.

Two modifications would make the documentation top-notch instead of pretty good. The tutorial manual should explain how relational DBMSs differ from other DBMSs early on, and the reference manual's glossary should be more comprehensive. MacLion's documentation is supplemented by context-sensitive help screens in the program.

Error handling is excellent, with many alert boxes appearing to warn the user of irreversible actions, incorrect formats, duplicate field names, and so forth. We only found one exception. MacLion does not give an error message if you enter too few characters in a field—for example, five digits instead of seven for a phone number. This probably could be remedied quite easily with a Leo program.

Performance of a DBMS of this type is difficult to quantify since relations can vary greatly in size and complexity. We set up a small, 50-client data base and didn't have to wait too long for output. An upgrade from CSD in April is said to run two to five times faster.

MacLion is a product that resolves most of the traditional trade-offs between power and ease of use, and may well become the dBASE II of the Macintosh world.

—Sharon Gamble Rae

Available now; \$379 retail
Computer Software Design, Inc.; 1904
Wright Cir.; Anaheim, Calif. 92806;
714-634-1401

8
7
5
4

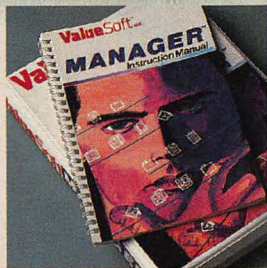
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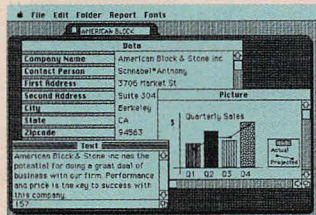
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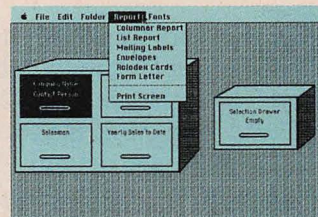
Circle 7 on Reader Service Card



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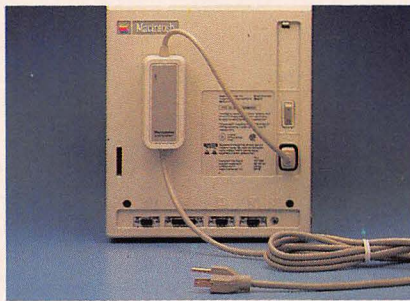
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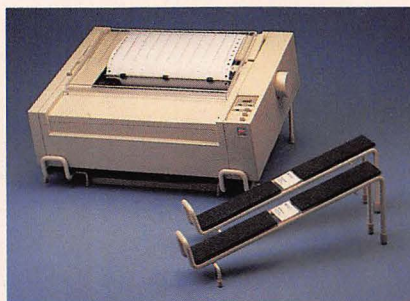
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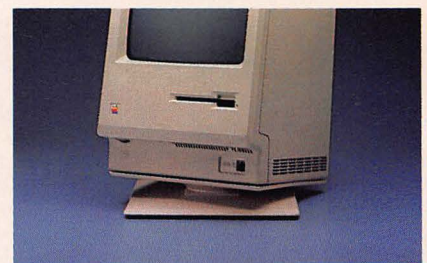
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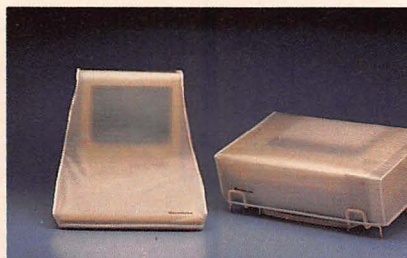
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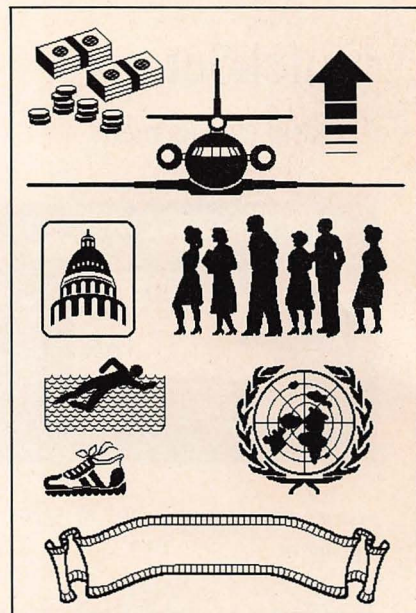
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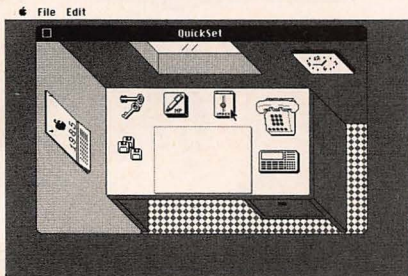
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QuickSet

Desktop management



Systems Requirements: 128K or 512K Macintosh.

QuickSet is an accessory software package and a promising entry in the highly competitive applications area called desk management. These desk-management packages are designed to help busy executives manage repetitive and time-consuming daily chores such as note-taking, scheduling, telephoning, calculating, and setting up appointments.

Desk-accessory packages are usually priced so they can affordably accompany the sale of each Macintosh and major applications software package. QuickSet is no exception at only \$99.

Since many of these packages offer similar functions at similar prices, the nuances of system design, ease of start-up, and flexibility of installation distinguish between packages. In the case of QuickSet, the designers have created an easy-to-use and graphically appealing, integrated software package.

In fact, we were able to start QuickSet and set up a sample calendar, phone directory, and even operate complex business calculations without having to refer to the documentation.

When questions do arise, however, the documentation that comes with QuickSet is simple to understand. Specific information is easily found because of a superior cross-indexing method.

We also tested QuickSet's telephone-support line and found the gentleman who answered to be courteous and well informed.

QuickSet's start-up screen is a graphic representation of a typical executive's desk complete with calculator, telephone, clock, calendar, notepad, phone directory, and a set of keys.

Using these icons as a map you can very easily step through the installation of the system on your application disks. All or any selection of QuickSet functions can be quickly installed on any disk. They will then be ready to use whenever needed without having to exit the application in which you are working.

QuickSet excels at communicating via icons and little touches that show a real understanding of the way people work. For example, not only are you provided with a calendar that details day, month, and year, plus half-hour segments, but you are also offered a notepad on the calendar with plenty of space to elaborate on appointments and events.

To the left of the calendar are icons that allow you to graphically represent on each day the category of activity scheduled. These icons clearly represent events such as sales meetings, dental and medical appointments, sporting events, or even vacation days. The calendar allows you to retrieve appointments by the hour, day, month, or even by specific icon.

For example, if you need to know how many sick days you have taken in 1984, you'd be able to retrieve this information with ease. You may also integrate this information into other documents, or print out copies of the calendar to take along while traveling.

QuickSet also has a fine notepad and filing system with some editing capabilities. The design of this module allows you to jot down ideas, outlines, and to-do lists. Again, through the use of creative icons you can retrieve notes by subject category.

We tried using this module as a free-form outline processor. It was possible, but slower than using a package like Living VideoText's ThinkTank. The editing capability of this module is rudimentary, but adequate for manipulating notes. To

the manufacturer's credit the note filer is not billed as a word processor.

One of the most useful modules in the system is the business calculator. It allows much faster calculations than with hand-held models, and offers some very sophisticated functions.

You can quickly figure things like internal rates of return, discounted cash-flow analysis, depreciation calculations, mortgage yields, interest-rate conversions, statistical means, standard deviations, and more.

The calculator fills the entire screen and allows you to see computations clearly. The calculator can also be called up in a window and used in an integrated fashion. For example, if we were writing a letter using MacWrite and needed to calculate an expense-form total, we could simply call up the QuickSet calculate function, do the math, close the function, and write the totals into the letter—all without leaving MacWrite.

QuickSet also includes a desk directory and phone book. The electronic "cards" are offered up one at a time, and are formatted with entry blanks for common information. If this format isn't right for your application you may change the parameters. Information can then be quickly retrieved by name, address, phone number, subject, or icon.

QuickSet includes a security feature as well, called Encryptor. In essence, this allows you to lock away any confidential files, addresses, or data. Encrypted files can then only be recovered through an assigned password. It's easy to use and a necessity if you use your notepad for sensitive information.

In all, QuickSet performed well. As with most Macintosh packages the product ran slowly on the 128K Macintosh and much more quickly on the 512K.

—Ted Leonsis

Available now; \$99 retail

EnterSet; 410 Townsend, Suite 408B; San Francisco, Calif. 94107; 415-543-7644

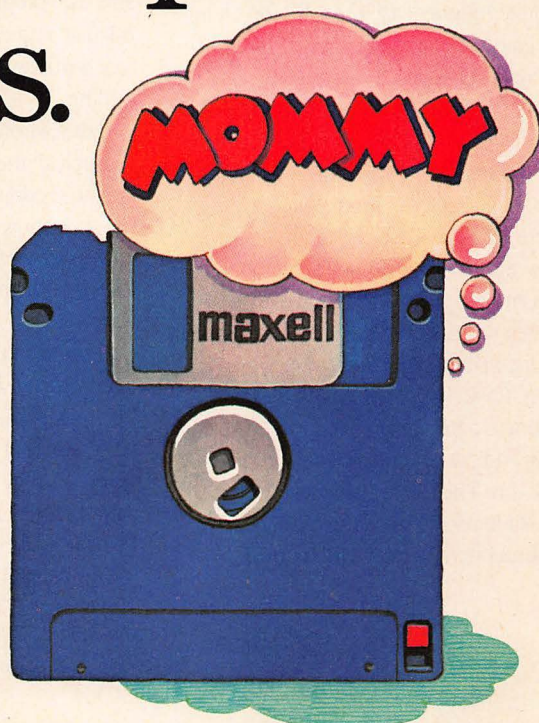


Maxell Gold.

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more to chew on
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Whether you're in search of primeval wisdom, or polishing up financial projections, Maxell makes the Gold Standard microdisk for your computer. In fact, there's a Gold Standard for virtually every computer made. Maxell floppys are industry leaders in error-free performance. Each comes with a lifetime warranty. And each microdisk is perfectly compatible with your 3½" drive.

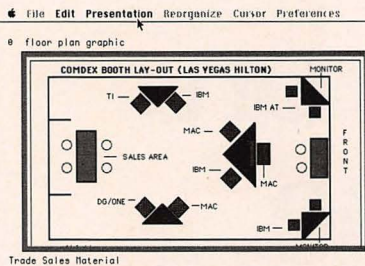
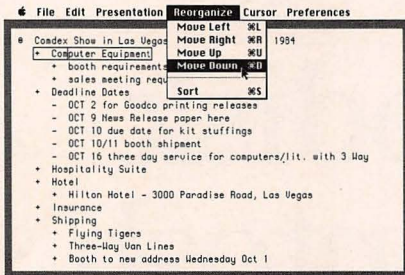
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IT'S WORTH IT.



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ThinkTank 512

Outline processor with word processing and graphics



System Requirements: 512K Macintosh.

Living Videotext says ThinkTank 512 is an "idea processor." This means, according to the package, that it is "an outline processor with integrated word-processing and graphics capabilities."

In fact, its word-processing capabilities are quite rudimentary, and while it can import graphics from other programs it cannot create its own.

ThinkTank has been around in various forms for more than a year, and independent reports have turned up testimonials from an impressive variety of professional people who use it for planning, brainstorming, word processing, compiling bibliographies and footnotes, making sense out of research notes, designing computer games, and organizing their personal mess.

ThinkTank 512 allows you to create a traditional outline with headlines, subheads, additional subheads below them, and so on. The outline hierarchy is indicated by indentation since the traditional Roman-numeral/capital-letter approach

would make a mess when you start rearranging things. Under any headline or subhead you can insert text or, through the scrapbook, graphics from another program.

This much you could do with MacWrite, but the real power of ThinkTank becomes evident when rearranging and reorganizing bits, pieces, and entire sections of the outline. The program's most useful feature is that it allows you to "collapse" the outline, selecting only the headlines and subheads you wish to display.

You can collapse or expand sections of the outline independently, or display the entire outline at once. This is particularly useful for long, complex documents.

ThinkTank's most powerful commands are designed for reorganization. When you move a headline or subhead, all subordinate sections move with it.

You have several options here. You can drag headlines with the mouse, use keyboard commands or pull-down menus, or cut and paste. Because everything lower—or deeper—in the outline tree moves along with the headline you have selected, ThinkTank is a remarkably flexible tool for organizing. No word processor can match it.

To insert text or graphics into an outline, you open a window beneath a headline or subhead. The windows are initially inset on the screen, but they can be adjusted to any size. The program allows only one window open at a time, and it must be collapsed before working on another section of the outline.

A slide-show feature allows flipping through all the windows or just those in a certain section of the outline. The speed of the slide show is adjustable, and may be set to stop after each window. In the latter case, a click of the mouse calls up the next window.

A single text window will hold up to 32K, which translates to 15 or 20 pages. The maximum outline size is 270K. You can use the search command to find key words wherever they occur, and windows open automatically as you come to those that contain the key words.

ThinkTank 512's word processor is extremely fast. The commands are limited, however. You can select lines or words by clicking the mouse, search and replace, cut

and paste, and copy. The program also uses command/number key combinations for a full complement of cursor controls. There are no other editing commands and no tab stops. To indent you have to use the space bar.

It is possible to transfer a ThinkTank outline to MacWrite or WORD for further work since ThinkTank 512 is not really designed to be a high-powered word processor. Its strength is in creating outlines, and this emphasis is carried over to the program's print options. ThinkTank 512 will print a lovely outline with boldface heads, full Macintosh graphics, and even a table of contents. The program allows printing all or just part of an outline.

Print options are limited. The print options menu does allow ThinkTank 512 to be used as a word processor, however. All of the headlines can be suppressed, printing only the text and graphics windows. Your choices are limited to setting margins, line spacing, headers, and footers. The program does not include justification, centering, boldface, superscripts, subscripts, or some other features commonly found on word processors.

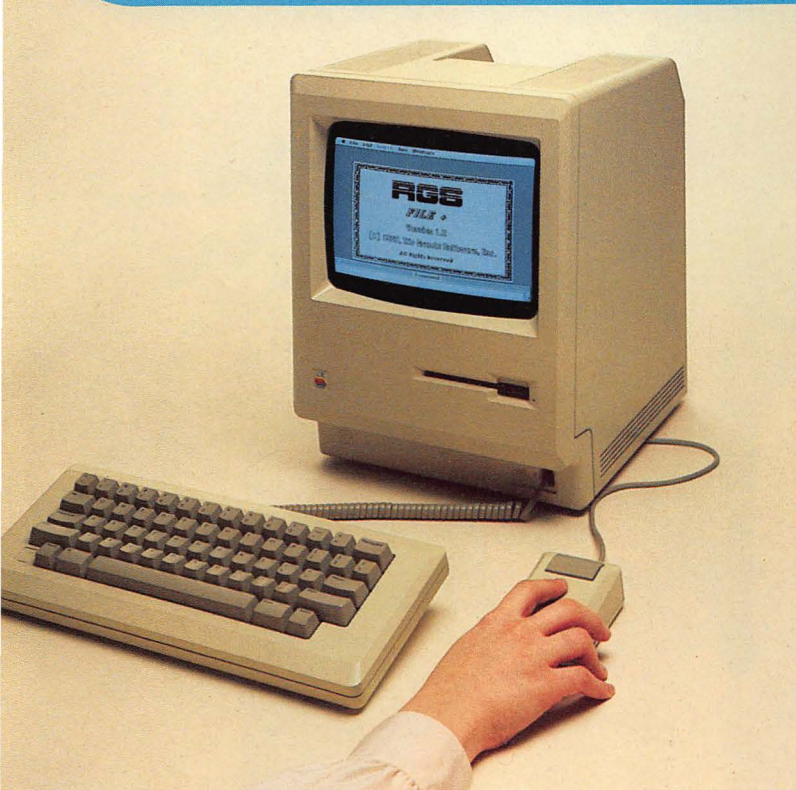
Many professional writers could use it to advantage. John McPhee of *The New Yorker* is one. He arranges and rearranges his topics on a bulletin board until he's satisfied with the structure of an article, scissors his notes into thousands of fragments, then consigns each topic to a file folder. He's one of the best nonfiction writers around, but ThinkTank has got to be quicker and easier than his system.

By the time you read this, programs that combine outlining with full-scale word processing and other applications may be available for the Macintosh. They will probably be considerably more expensive. It bears repeating that, within its limits, ThinkTank 512 is very good at what it does.

—Steve Adams

Available now; \$245 retail
Living Videotext; 2432 Charleston Rd.;
Mountain View, Calif. 94043; 415-964-6300

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Outside Texas 1-800-527-1121, Ext. 2785/Inside Texas 1-800-292-1031, Ext. 2785

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Circle 10

Here are descriptions of
 Macintosh software released
 since the Spring
 1985 edition of *The
 Macintosh Buyer's
 Guide*. All information
 has been
 provided by
 the vendors or
 manufacturers.



Software Premiere

ACCOUNTING

Auto Accountant Business Series

Accounting

6:1 Journal Print: Update Cycle End Reports Accounts Setup	
Add New Record	
Account No. <input type="text"/>	
Name <input type="text"/>	
Account Type <input type="radio"/> Title <input type="radio"/> Heading <input type="radio"/> Regular <input type="radio"/> Total	
Report Type <input type="radio"/> Income <input type="radio"/> Balance	
Normal Balance <input type="radio"/> Debit <input type="radio"/> Credit	
Total Level (0-9) <input type="text"/>	
Extra Lines (0-9, or 9-next page) <input type="checkbox"/>	
Sales Account <input type="radio"/> Yes <input type="radio"/> No	
Special Report <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 5 <input type="radio"/> 6 <input type="radio"/> 7 <input type="radio"/> 8 <input type="radio"/> No	
This Month \$ <input type="text"/>	
This Year \$ <input type="text"/>	
This Quarter \$ <input type="text"/>	
1st Prev. Qtr. \$ <input type="text"/>	<input type="button" value="Save"/>
2nd Prev. Qtr. \$ <input type="text"/>	<input type="button" value="Cancel"/>
3rd Prev. Qtr. \$ <input type="text"/>	
Last Year \$ <input type="text"/>	

System Requirements: 512K Macintosh.

The Auto Accountant Business Series currently consists of the following three programs: General Ledger, Accounts Receivable, and Accounts Payable. Each

program can stand alone or be integrated with another in the series.

The General Ledger is a double-entry system that allows transactions to be recorded, posted, and archived; creating an audit trail. It can also be used to produce a balance sheet, income statement, and special reports.

Accounts Receivable is designed for businesses that send invoices and statements to customers. It shows the status of an account at any time. Reports produced with this module include unbilled invoices, unpaid invoices, paid invoices, an aging analysis of unpaid invoices, and a monthly summary statement of sales and payments received.

Accounts Payable can be used to write checks and maintain a check register. It maintains a record on each supplier or vendor, and has a check-writing function that can be used to calculate and make payments in one of the following ways: by vendor, invoice or credit memo, and/or

specific check for immediate payment.

Stylo Software, Inc.
 PO Box 916
 Idaho Falls, Idaho 83402
 208-529-3210

Retail Price: \$195 Each
 Available now: General Ledger
 Release Date: Third quarter, 1985: Accounts Receivable and Accounts Payable

In-House Accountant

Accounting

System Requirements: 128K or 512K Macintosh.

The In-House Accountant is a small-business accounting program that incorporates a general ledger, accounts payable, and accounts receivable into one package.

It features search, retrieval, and edit of transaction information, and it also provides users with bar graphs, pie charts, and trend-line analysis.

In addition, In-House Accountant offers on-line help that explains any term or procedure used in the program, and flags items for any purpose including taxes.

It can be used to perform a bank reconciliation or maintain a transaction history, and it sends all reports to the computer's screen, disk, or printer. The program can also be used to print balance sheets, income and expense summaries, checks, and mailing labels.

Users of the In-House Accountant can also search accounts by name or account number, and the program allows transactions to be split into 18 different accounts.

Finally, the program uses the standard 1,000 to 8,999 account-numbering system, maintains up to 500 customer/vendor names, and creates DIF files for use with spreadsheet programs.

United Software Industries
1880 Century Park East, Suite 311
Los Angeles, Calif. 90067
213-556-2211
Retail Price: \$179.95
Available now

Palantir Financial Series

Accounting

System Requirements: 128K or 512K Macintosh. Special Requirements: Microsoft BASIC.

The Palantir Financial Series, designed to handle accounting functions in a small to moderate-size business, is made up of three separate software packages: General Ledger, Inventory Control, and Accounts Receivable.

The Palantir General Ledger is modeled after a traditional general ledger. Special features include the ability to maintain up to 9,999 general-ledger accounts, depending on disk capacity; the production of trial-balance reports, expense reports, and financial statements; a chart of accounts that can

be customized to suit requirements; and more.

Palantir Inventory Control records relevant details concerning merchandise and the movement of the same. These details include selling prices, current average cost, returns, transfers, adjustments, and a gross margin analysis. It can also be used for batch totaling and preparing reorder reports, price lists, and so on.

Palantir Accounts Receivable keeps track of who owes what and for how long. Special features include open-item or balance-forward account types or a combination of the two; standard statement and order forms, which can be styled to match a company's specifications; sales-analysis reports by customer, salesperson, branch, product, etc.; and compatibility with the General Ledger.

Palantir Software
12777 Jones Rd., Suite 100
Houston, Texas 77070
713-955-8880 or 800-368-3797
Retail Price: \$145 each
Available now

ZAP!Invoice

Accounting

System Requirements: 128K or 512K Macintosh.

ZAP!Invoice allows users to log and print invoices for any type of business, and establish categories for each type of product sold such as equipment, services, nontaxable, and repair.

It can also be used to print out daily and monthly reports, and all totals can be carried forward into the next month.

A built-in ASCII file option allows the transfer of data to other programs for use in a spreadsheet, general ledger, and/or data base.

Aegis Development, Inc.
2210 Wilshire Blvd., Suite 277
Santa Monica, Calif. 90403
213-306-0735
Retail Price: \$99.95
Available now

GRIDS

Grids, scales, rulers, charts

System Requirements: 128K or 512K Macintosh. Special Requirements: MacPaint.

GRIDS is a two-disk collection of MacPaint templates, consisting of grids, protractors, prefab charts, and patterns, that can be used with MacPaint to construct other grid formations that can be displayed on screen for drawing or graphing, or printed out and used as graph paper.

A collection of scales and rulers, drawn in inches, fractional inches, and pixels and arranged horizontally, vertically, and on a 45-degree angle, is also included in the program.

The prefab charts found in GRIDS can be used to construct professional-looking charts that can be printed out for use in memos, reports, and business presentations.

Forms that facilitate the production of X-bar charts, R charts, and others are also included. And the program contains a blank Ishikawa (fish bone or herringbone) diagram that can be used on screen or on paper to identify cause-and-effect relationships in a production process.

Soft Wares, Inc.
19 Monroe Dr.
Williamsville, N.Y. 14221
800-848-5500 or 800-447-5500, ext. 50
Retail Price: \$38
Available now

The first library

We've written more Macintosh programs than any other software company:

Microsoft® Multiplan®, Microsoft File, Microsoft Word, Microsoft BASIC and Microsoft Chart.

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So when we find something really excellent out there, we publish it.

Every program has to sweat out an interview.

Because we've begun to build up an impressive body of Macintosh work, we founded Microsoft MacLibrary™ programs to house them.

Programs for business, for learning, for fun.

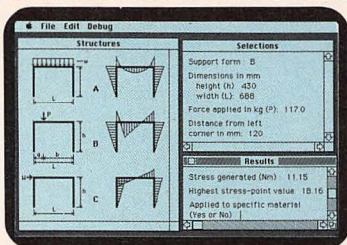
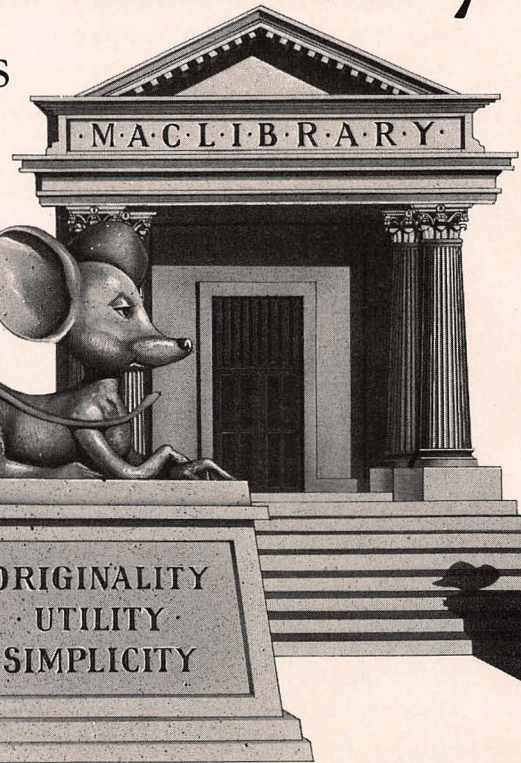
And these disks can't just roll in off the street. Each program has been exhaustively reviewed, previewed, and scrutinized.

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The renowned programming language, Logo, has now come to Macintosh. A mainstay of university curriculums,

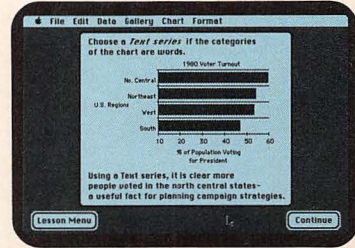
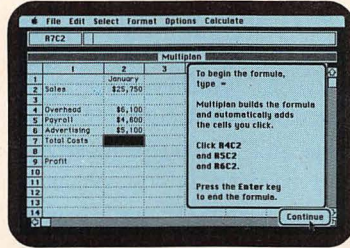
Logo teaches programming concepts, techniques, and problem solving strategies. And it makes it all fun to boot. Intriguing enough to challenge even an advanced programmer—or motivate a child—this is Logo's latest



Logo by Logo
Computer Systems Inc.

dedicated to Macintosh.™

generation. And it takes full advantage of all of Mac's easy to use features.



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Learning Microsoft Multiplan and Microsoft Chart is a superb interactive instructional program by Micro Courseware Corp.

It walks you through the basics and into the intricacies of these sophisticated

business tools. Teach yourself quickly and simply how to produce presentation quality graphics. As well as what-if projections, portfolio managers, and financial models.

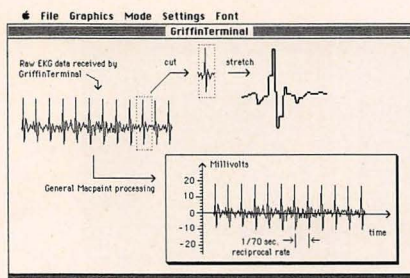
Finally, there's Entrepreneur™ by Harvard Associates. You're in the software business, competing against one to eight other capitalists of either the human or computer persuasion. With 36 months to boom or bust, prosper or squeak through.

Check out a few programs.

For a list of your nearest dealer stocking MacLibrary software, just call (800) 426-9400. Or in Washington State, Alaska, Hawaii and Canada, call (206) 828-8088. We think you'll be impressed. Because making it into MacLibrary speaks volumes.

GriffinTerminal

Communications; text, graphics



System Requirements: 128K or 512K Macintosh.

GriffinTerminal converts a Macintosh into a text/graphics terminal. According to its maker, it was designed with the belief that a Macintosh's power can be enhanced when serving as a window to a host computer or network.

General features of the software include Tektronix 4012 compatibility for both line drawings and mouse interrogation, and support of direct cursor addressing and line blanking necessary for Unix "vi" editing. A host computer can also access a Macintosh's Quickdraw routines for rapid animation and graphics.

A Print Next menu option prints all host characters including printer bit-mapped commands, and chain printing from the Macintosh desktop allows the printing of transferred documents.

Various baud rates, such as 300, 1,200, 2,400, 9,600, 19.2K, and 38.4K, are menu selectable.

GriffinTerminal screens can be turned into a MacPaint document, text files can be embellished with MacWrite, all files can be sent back to a host after processing, and much more.

The program is primarily for academic applications.

Metaresearch, Inc.
1100 SE Woodward
Portland, Oreg. 97202
503-232-1712
Retail Price: \$89
Available now

GriffinTerminal 100

Terminal emulation

System Requirements: 128K or 512K Macintosh.

GriffinTerminal 100 allows a Macintosh to emulate either a Tektronix 4012 Graphics Terminal or a VT 100 terminal when linked to a mainframe or host computer. Operation in either mode can be selected directly from the program's Modes menu.

Parameters common to each terminal, such as baud rate or screen background, are independently maintained for the two terminal types. The particular setting for a terminal comes into effect when that terminal type is chosen.

For instance, if screen background is white in Tek 4012 mode and black in VT 100 mode, then changing from Tek 4012 to VT 100 causes the computer's screen color to reverse. Consequently, selecting 9,600 baud for Tek terminal operation, then 4,800 baud for VT 100, and switching from VT 100 to Tek changes the working rate from 4,800 to 9,600 baud.

The following parameters, however, are common to both terminal types: window size, Print Next/Stop Print, Receive Next/Stop Receive, Enable/Disable Screen, Graphics/Hex/Text Transfer, Local/Remote mode, and Enable/Disable AutoXon.

Several parameters and operations in VT 100 mode are different, and others are not supported at all due to physical differences between the Macintosh and a VT 100 terminal. Parameters and operations not supported include: Power, Screen Brightness, Confidence Tests, Column mode, Identify Terminal, Interlace, Load LED's, and Scrolling mode.

Metaresearch, Inc.
1100 SE Woodward
Portland, Oreg. 97202
503-232-1712
Retail Price: \$99
Available now

Mac2624

Terminal emulation

System Requirements: 128K or 512K Macintosh.

Mac2624 is a Hewlett-Packard HP 3000 terminal emulator for the Apple Macintosh that is compatible with all HP applications and emulates the capabilities of an HP 2624 block-mode terminal.

In emulation mode, however, the software allows a Macintosh to retain its full complement of pull-down menus and command keys for screen editing, mode selection, and terminal control; dialogue boxes for port configuration and user keys; and mouse-actuated cursor positioning, scrolling, and function-key entry.

In addition, Mac2624's file-transfer facility lets users pull HP 3000 files into Macintosh applications for word processing, graphics, spreadsheets, etc. Depending on the application, data can then be transferred back to an HP 3000.

Multiple-copy discount pricing is available from the manufacturer upon request.

Tymlabs Corporation
211 East Seventh St.
Austin, Texas 78701
512-478-0611
Retail Price: \$149
Available now

MAC/3000

Terminal emulation

System Requirements: 128K or 512K Macintosh.

MAC/3000 allows an Apple Macintosh to emulate the functions of Hewlett-Packard's HP 3000 2624A terminal. According to its manufacturer, MAC/3000 is the first software product on the market to offer this capability.

The program is designed to let a business acquire a Macintosh and peripherals for slightly more than the cost of the least-expensive HP terminal, but with increased functionality; give employees a micro that can be used for both data and word processing; and allow existing HP software to run without any modifications.

All major 2624 functions are supported with the following additions: upward and downward file transfers, local editing using any Macintosh word processor or text editor, and printing with either the Apple Imagewriter or LaserWriter printers.

Other program features include both block and conversational modes; on-screen, function-key labels; a menu-driven terminal configuration; mouse cursor positioning; use of the full Macintosh user interface; and more.

A Macintosh running MAC/3000 can be linked to a Hewlett-Packard host computer via a modem or a direct connection. Communications speeds range from 300 to 9,600 baud.

DPEX, Inc.

200 Brown Rd., Suite 201
Fremont, Calif. 94539
415-651-3739

Retail Price: \$149

Available now

MacDasher

Terminal emulation

System Requirements: 128K or 512K Macintosh; or a Macintosh XL running MacWorks XL.

MacDasher simulates the operation of a Data General D210 terminal on a Macintosh. All D210 screen attributes—except blinking—are supported.

MacDasher also incorporates the complete Macintosh user interface and offers file-transfer capabilities.

Other program features include: support of all keyboard characters, direct cursor addressing, and control codes; support of special keys such as function keys and cursor controls, through pull-down menus and keyboard combinations; and the inclusion of Macintosh desktop accessories and screen dumps to a printer or to MacPaint files.

MacDasher can also send and receive text files to or from a host computer, and allow downloaded files to be edited via MacWrite—or another Macintosh word processor—and uploaded back to the host.

In addition, both Macintosh serial ports can be configured separately for baud rate, parity, stop bits, data word length, and Xon-Xoff handshaking; a synchronizing technique using two signals.

Kaz Business Systems
10 Columbus Cir., Suite 1620
New York, N.Y. 10019
212-757-9566
Retail Price: \$49
Available now

MacMail

Telecommunications

System Requirements: 128K or 512K Macintosh.

MacMail allows business or home users to send or receive electronic mail, such as data and program files, automatically.

The program interacts with the AppleTalk Personal Network and other networks, and comes with the following features: unattended calling and log on; auto dial; sending electronic mail at night, when rates are lowest, unattended; auto redial when a busy line is detected; and auto answer and file receive, which permits a Macintosh to receive mail when a user is out of the office or not at home.

Additional program features include a name and address book with telephone listings; an ASCII file-transfer mode, which can send ASCII or Macintosh files; a batch send mode that allows a user to send more than one file at a time; a network mail feature, which allows messages or files to be sent to other workstations on an Apple network; and support of 2,400-baud modems.

Aegis Development, Inc.
2210 Wilshire Blvd., Suite 277
Santa Monica, Calif. 90403
213-306-0735
Retail Price: \$99.95
Release Date: June, 1985

Market Link

Investor communications

System Requirements: 128K or 512K Macintosh. Special Requirements: Modem.

The Market Link is a complete communications program designed for either the stock market investor or professional analyst. Using a unique alarm-clock feature, The Market Link will automatically fetch quotes from the Dow Jones News Retrieval Service for up to 120 securities at up to 8 user-defined times during any 24-hour period.

Quotes may also be fetched on demand using a "Fetch Now" feature. All quote data is stored to disk for later review. Quotes may also be transferred automatically to Multiplan or other applications that accept clipboard input.

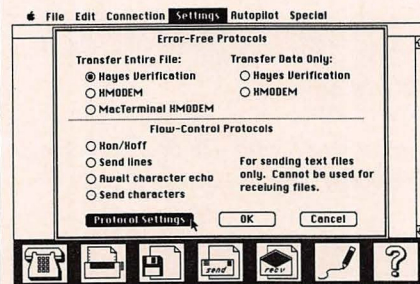
The Market Link provides a complete terminal mode for easy access to both Dow Jones and The Source. The program performs the complete auto-dial/logon procedure to both services. When in terminal mode, the user has dynamic control over both the printer and receive file for downloading data into the Macintosh.

The Market Link requires an Apple, Hayes, or Hayes-compatible modem.

Smith Micro Software, Inc.
PO Box 7137
Huntington Beach, Calif. 92615
714-964-0412
Retail Price: \$85
Available now

Smartcom II

Telecommunications



System Requirements: 128K or 512K Macintosh. Special Requirements: Modem.

Smartcom II is a data-communications program that has been redesigned to incorporate the graphic user-interface concept found on the Macintosh. The program uses symbols representing commonly used items on a desktop.

SmartCom II supports the Hayes Smartmodem 2400 for data transmission at 2,400 bits per second (bps), or for sending data via other Hayes modems at 1,200 or 0 to 300 bps. The transmission rate can be increased to 19,200 bps when two computers are directly connected.

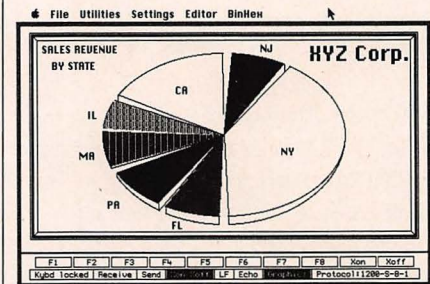
Smartcom II can receive or send a file of any size providing the file will fit on a disk, and incoming data can be stored on a disk or printed while being displayed on screen.

The program has both Hayes Verification Protocol and XMODEM protocol. It also includes all log-on procedures needed to access The Source, CompuServe, Dow Jones News/Retrieval, and other electronic data bases.

Hayes Microcomputer Products, Inc.
5923 Peachtree Industrial Blvd.
Norcross, Ga. 30092
404-441-1617
Retail Price: \$149
Available now

Telescope

Graphic telecommunications



System Requirements: 128K or 512K Macintosh. Special Requirements: Modem.

Telescope allows a user to send messages composed of various text sizes, fonts, and graphic shapes. The latter may be sent via electronic mail or placed on any information utility such as CompuServe, The Source, or any electronic bulletin board.

Telescope includes an on-screen directory that lists frequently called phone numbers. They may be selected via the computer's mouse and automatically dialed—individually or sequentially—using the program's auto-scan function.

The program also features "intelligent" macros that automate operations such as log-on, password entry, and menu selection; a universal terminal emulator that can emulate any conventional terminal; and an unattended message service where callers may leave and pick up messages. All popular modems are supported.

Telescope business uses would include the transmission of sales charts and advertising layouts.

Mainstay
2861B Canwood St.
Agoura Hills, Calif. 91301
818-991-6540
Retail Price: \$125
Available now

Animation Toolkit #1 Advanced

Moving images; movies

System Requirements: 128K or 512K Macintosh.

Animation Toolkit #1 Advanced is an enhancement of the Animation Toolkit #1 software package, which let a user create a "movie" frame by frame. Toolkit #1 Advanced offers more advanced sound and sequence capabilities than the original, and images can still be pasted from MacPaint, an image digitizer, etc.

The software also gives a user almost 200 frames to work with on a 128K Macintosh. That number increases to more than 3,000 on a 512K Mac, and playback speed is controllable from 35 frames per second to as slow as necessary.

Drawing tools such as ovals, rectangles, and lines can be used together with pull-down menu items such as Paste Add, Paste Subtract, Flip Vertical, Flip Horizontal, Rotate, Invert, and Distort to create more interesting and accurate movies.

Toolkit #1 Advanced includes an application for converting animation files into fonts, making them accessible from any programming language. Suggested program uses include advertising, education, and entertainment.

Ann Arbor Softworks, Inc.
308½ South State St.
Ann Arbor, Mich. 48104
313-996-3838

Retail Price: \$69.95; or \$20 to owners of Animation Toolkit #1
Available now

Animation Toolkit #2

Background images; movies

System Requirements: 128K or 512K Macintosh.

Animation Toolkit #2, one of a trio of software packages that allow a user to make animated movies, includes all the features of Animation Toolkit #1, and adds paths and backgrounds that animations in a particular movie can move across.

Animation Toolkit #1, of course, allows a user to create, edit, and animate movies on a Macintosh frame by frame. An updated version of the program, Animation Toolkit #1 Advanced, adds enhanced sound and sequencing capabilities to the original package.

Toolkit #2 gives a user control of all elements making up an individual frame in a movie. These elements include sound, foreground animation, and background image.

In addition, Toolkit #2 may surpass the educational and entertainment applications of its sister packages, and become a more useful tool for presentations, storyboarding, and other graphic-arts and production needs.

Ann Arbor Softworks, Inc.
308½ South State St.
Ann Arbor, Mich. 48104
313-996-3838

Retail Price: \$139.95 or \$69.95 to owners of Toolkit #1 Advanced
Available now

ConcertWare

Music software

System Requirements: 128K or 512K Macintosh.

ConcertWare allows you to compose music on the Macintosh and contains three separate applications: Music Writer, InstrumentMaker and Music Player.

Music Writer lets you create and edit musical scores just like a word processor lets you create word documents. It will also print the scores in a variety of formats in high-resolution, professional-quality sheet-music form.

InstrumentMaker allows you to design the types of sounds or "instruments" you wish to perform your composition. This function gives you complete control over the instrument sound being created. The package comes with 34 predefined instruments such as the violin, harpsicord, oboe, harmonica, guitar, alto sax, and piano.

Music Player links all the ConcertWare programs together and plays the music you have created using the Macintosh's four-voice synthesizer. You select the piece of music and assign an instrument to each. Instrument icons are displayed around the Conductor and by selecting your instrument icons you can play your own concert. The Player also allows you to play up to two hours of precordded musical selections.

Great Wave Software
PO Box 5847
Stanford, Calif. 94305
415-852-2280
Retail Price: \$49.95
Available now

We're short

Out of stock? Out of mind?

Five score and a month or so ago, MacConnection entered the brand new Macintosh market with the claim that we would never advertise a product until it was on our shelves. That's because we didn't, and still don't want you to get all excited about some snazzy software or hardware solution that is delayed, or never gets out of the manufacturer's door. Too many products are announced that just don't appear. So when you see a product on our list you know that it's available and we've checked it out.

Occasionally, we are indeed out of stock of an existing product. Why? Usually one of two reasons. Either there is a new version coming and we think you're better off waiting for it. Or, favorable publicity has caused us to sell something faster than we expected. If we run out of a product, rest assured, we'll get it to you as fast as possible, and can usually give you a pretty firm delivery date.

By the way, we're still sending a complimentary copy of the Macintosh Buyer's Guide to everyone who places an order totalling over \$50.

SOFTWARE

Ann Arbor Softworks

Animation Toolkit 1 \$36.
Create, edit, and animate pictures.

Apropos

You must have Multiplan to use.

Tax Planner 35.
Personal tax preparation.

Financial Planning 65.
Home budget, tax, auto, life insurance.

Investment Planning 65.
Stocks, real estate, loans, IRA vs. CD's.

Home Accountant 61.
Financial planner for your Mac.
External drive required with 128k Mac.

Assimilation Process

MacTracks 23.
Store up to 5000 characters on any one key.

Lock-It 23.
Limit access to your files.

Mac-Memory-Disk 23.
Access more memory in your 512k Mac.

Mac-Spell-Right 59.
Requires version 3.3 or later of MacWrite.

Axlon

Art Portfolio 37.
120 drawings await your creative desires.

Card Shoppe 37.
Make professional quality greeting cards.

Computer Software Design

MacLion \$219.

Relational database manager.

External drive recommended.

Creative Solutions

MacForth - Level 1 89.

MacForth - Level 2 139.

Level 2 includes an assembler,
floating point, and advanced graphics.

Desktop Software

1st Port 55.

Communicate with other micros,
mainframes, and public data bases.

1st Merge 55.

Data-entry and mailmerge, labels.

1st Base 105.

Dilithium Press

PC to Mac & Back 89.

Communication between IBM PC and Mac.

Dow Jones

Straight Talk 49.

Information services at your fingertips.

Spreadsheet Link 61.

Must have Multiplan, modem and
Dow Jones Straight Talk.

Market Manager PLUS 125.

Track portfolio information.

Enterset

QuickSet 65.

Icon-driven true accessory with powerful
calculations.

1st Byte

Smooth Talker 89.

Voice synthesis software for the Mac.

Forethought

Factfinder 89.

Free-form entry.

Harvard Associates

MacManager 32.

Business simulation.

Desktoppers 32.

Four new desk accessories.

Hayden Software

DaVinci Buildings 31.

DaVinci Interiors 31.

DaVinci Landscapes 31.

DaVinci Building Blocks 46.

DaVinci Commercial Interiors 120.

I Know It's Here Somewhere 39.

Get organized with this foolproof filer.

Musicworks 46.

Hayden:Speller 47.

For MacWrite and Microsoft Word.

Score Improvement System for the SAT 59.

College entrance-exam study guide.

Ensemble 179.

Database, calculations, graphics and more.

Hippopotamus Software

Edit, compile, link, and execute C
programs.

Hippo-C - Level 1 117.

Hippo-C - Level 2 297.

Human Edge Software

Mind Prober 31.

The Communications Edge 113.

The Management Edge 129.

The Sales Edge 149.

The Negotiation Edge 179.

Kensington

Graphic Accents \$33.

250 professional illustrations, business
to holiday themes.

Professional Type Fonts for Text 33.

12 to 24 point fonts.

Professional Type Fonts for Headlines 45.

24 to 72 point fonts, requires 512k.

Layered

Front Desk 89.

For organizing and scheduling your
most important activities.

Linguist's Software

Tech 75.

Over 1000 symbols for scientific equations.

MacGreek Plus 75.

Includes special symbols for Bible studies.

MacHebrew 75.

Text reads left to right.

MacKana/Basic Kanji 75.

Includes 70 of the most common Kanji.

MacGreek/Hebrew/Phonetics 129.

Includes all extra symbols of
phonetic alphabet.

Living Videotext

ThinkTank 128k 77.

ThinkTank 512k 129.

Magnum

McPic - Volume I 31.

McPic - Volume II 31.

The Slide Show Magician 38.

Manhattan Graphics

ReadySetGo 89.

Interactive page makeup, requires 512k.

Mark of the Unicorn

Professional Composer (requires 512k) 289.

Create performance quality sheet music.

Megahaus

Megamerge 75.

Megafile 119.

Megaform (requires 512k) 175.

Design your own invoice, order forms,
and more.

MicroLab

Tax Manager 115.

Examine different tax strategies.

Microsoft

Entrepreneur 32.

Competitive simulation of the software
industry.

Chart 75.

Basic (version 2.0) 92.

Multiplan 119.

File 119.

Word 119.

Business Pack 389.

Includes Word, File, Chart, and Multiplan.

Miles Computing

Mac the Knife - Volume 1 25.

Mac the Knife - Volume 2 29.

Monogram

Forecast 45.

Tax planning program.

Dollars & Sense 82.

Northwest Analytical

NWA StatPak 279.

Statistical analysis, requires Microsoft
Basic.

Organization Software

Omnis 2 (requires external drive) 139.

Secrets of mail order revealed!

(Or, how to buy Mac products direct in 14 easy steps.)

Who me?

Yes, you too can amaze your friends and confound your check-book by buying Mac add-ons and software directly from MacConnection. Here's how you do it:

STEP 1: Turn on Mac.

STEP 2: Roll mouse dreamily on your table while gazing out window.

STEP 3: Flip through this Buyer's Guide. Discover all kinds of things you want.

STEP 4: Think to yourself: "Gee, I wish this computer could (*select application of your choice*)."

Or, "Gee, I'd really like a (*select nifty little enhancement of your choice*)."

STEP 5: Think to yourself: "I've hocked everything I own to satisfy my

Mac obsession. I have to stop. I'm a sick person. I wonder if they have clinics for people like me. Maybe I'll start one."

STEP 6: Stumble unexpectedly upon this advertisement and the accompanying price list.

STEP 7: Exclaim with amazement. "Gosh! I can get products like Smooth Talker for only \$89 and Filevision for just \$102. This is just the medicine I need!"

STEP 8: Pick up phone and call MacConnection.

STEP 9: Ask about the products you see listed.

STEP 10: Ask about the products you've heard about that aren't listed. (We're adding new prod-

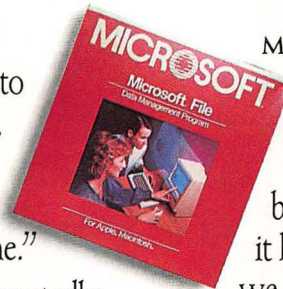
ucts every day. Just because you don't see it listed doesn't mean we don't have it.)

STEP 11: Tell the Mac specialist what you want, who you are, where you live, and how you want to pay for your order.

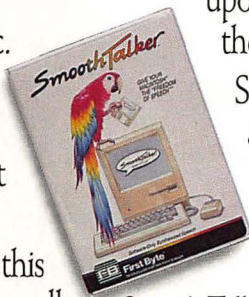
STEP 12: Throw some curveball question at the person taking the order. See if they know the answer.

STEP 13: Wait patiently for a few days. Breathe deeply. Do sit ups. Think about all the money you saved. Plan a trip to some exotic place.

STEP 14: Your order arrives. Be happy.



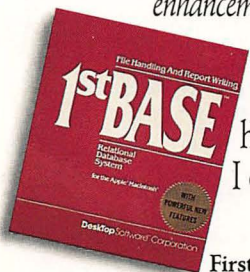
MICROSOFT Chart \$75, MultiPlan \$119, File \$119, Word \$119, BASIC \$92.



Smooth Talker \$89



FileVision \$102



First Base \$105



DISKS: BASF/(5) \$18, Fuji/(10) \$31, 3M/(10) \$35, MAXELL/(10) \$33, Memorex/(10) \$31, Verbatim/(10) \$31

MacConnection™

14 MILL STREET, MARLOW, NH 03456 1-800/Mac & Lisa or 603/446-7711

on service.

Infidel (advanced).....	\$29.
Suspect (advanced).....	29.
Sorcerer (advanced).....	29.
Deadline (expert).....	31.
Starcross (expert).....	31.
Suspended (expert).....	31.
<i>Invisiclues (hint booklets) are available for any Infocom games. Specify game.</i>	
Mark of the Unicorn	
Mouse Stampede.....	23.
<i>Highly addictive.</i>	
McCarron-Dial Systems	
McFlip.....	21.
<i>Mac version of Reversi.</i>	
McTrivia.....	24.
<i>Animated trivia game.</i>	
Miles Computing	
MacAttack.....	29.
<i>3-dimensional tank simulation.</i>	
Mirage	
Trivia (new low price).....	19.
Penguin	
Transylvania.....	24.
The Quest.....	24.
Pensate.....	24.
<i>You can control the obstacles, but can you make it to the top of the grid?</i>	
Priority Software	
Forbidden Quest.....	27.
<i>A truly challenging sci-fi adventure.</i>	
Gateway.....	29.
<i>Sci-fantasy adventure.</i>	
Scarborough Systems	
Run for the Money.....	32.
<i>Best with 2 players.</i>	
Make Millions.....	32.
<i>Enter the world of high finance.</i>	
Screenplay	
Trivia Arcade.....	27.
<i>Sports, music, TV, science, and general.</i>	
Sierra On-Line	
Frogger.....	27.
Ultima II.....	37.
<i>The ultimate fantasy role-playing adventure.</i>	
Silicon Beach Software	
Airborne!.....	21.
<i>Works with either 128k or 512k Mac.</i>	
<i>Superb sound and graphics.</i>	
Soft-Life Corp.	
Mac-Slots.....	29.
<i>An electronic slot machine. Includes Keno.</i>	
Videx	
<i>Collection of familiar, entertaining, and challenging games.</i>	
Funpak.....	23.
MacCheckers/Reversi.....	29.
MacGammon/Cribbage.....	29.
MacVegas.....	35.

HARDWARE

Assimilation Process	
Mac-Daisywheel-Connection.....	75.
Mac-Turbo-Touch.....	89.
Compu cable	
Mac to Hayes Smartmodem cable.....	17.
Mac to Epson FX/RX printer cable.....	17.
Cuesta Systems	
Datasaver AC Power Backup.....	call
<i>Keeps Mac operating during line power interruptions or brownouts. 90 watts.</i>	

Curtis Manufacturing

SURGE SUPPRESSORS

<i>All surge suppressors have an on/off switch.</i>	
Diamond (6 outlets).....	\$33.
Emerald (6 outlets; 6 ft cord).....	43.
Sapphire (3 outlets; EMI/RFI filtered).....	53.
Ruby (6 outlets; EMI/RFI filtered; 6 ft cord).....	63.

Epson

All Epson printers have built in graphics capability. In addition, the "Plus" printers can print in near letter quality (NLQ) with the addition of the NLQ parallel or serial option.

RX-100.....	call
FX-80 Plus.....	call
FX-100 Plus.....	call
JX-80.....	call
LQ-1500 (letter quality dot matrix).....	call

Hayes Microcomputing

Smartmodem 300.....	149.
Smartmodem 1200.....	429.
<i>Compu cable's Mac to Smartmodem cable 17.</i>	

IOMEGA

Bernoulli Box.....	1397.
<i>5-megabyte storage for your Mac.</i>	
5-meg Cartridge.....	39.
Head Cleaning Kit.....	69.

Kensington

Mac Dust Cover.....	10.
Imagewriter Cover.....	10.
Universal Printer Stand.....	19.
Swivel.....	23.
Disk Case (holds 36 Mac disks).....	23.
Surge Suppressor.....	35.
Starter Pack.....	54.
Control Center.....	65.
Modem (300 baud).....	99.

Koala Technologies

MacVision.....	229.
<i>Digitize pictures or objects for reports, projects for use with video camera or other video source.</i>	

Microcom

MacModem.....	399.
<i>Upgradeable to 2400 baud.</i>	

Microsoft

MacEnhancer.....	165.
<i>Additional ports and terminal software.</i>	

Suprex Business Software

MacSpeak.....	15.
<i>External speaker for your Mac.</i>	

Systems Control

MacGard.....	59.
<i>Surge and static protection, provides two outlets.</i>	

DISKS

Innovative	
Flip & File (Holds 40 Mac disks).....	23.
Pacific Wave	
Flip Sort Micro (Holds 40 Mac disks).....	12.
BASF	
Disks 3 1/2" Micro Floppy (Box of 5).....	18.
Verbatim	
Disks 3 1/2" Micro Floppy (Box of 10).....	28.
Sony	
Disks 3 1/2" Micro Floppy (Box of 10).....	31.
Fuji	
Disks 3 1/2" Micro Floppy (Box of 10).....	31.

Memorex

Disks 3 1/2" Micro Floppy (Box of 10).....	\$31.
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MAXELL

Disks 3 1/2" Micro Floppy (Box of 10).....	31.
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3M

Disks 3 1/2" Micro Floppy (Box of 10).....	35.
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INFORMATION SERVICES

Compuserve

Compuserve Information Service.....	19.
<i>Includes subscription, manual, 5 hours of connect time, and monthly publications.</i>	

MISCELLANEOUS

American Tourister

Mac Carrying Case (while they last).....	49.
--	-----

Automation Facilities

Floppyclene (ten cleaning disks).....	25.
Refill Kit (ten disks).....	10.

Computer Coverup

Mac & Keyboard (two covers).....	10.
Imagewriter Cover.....	8.
Wide Imagewriter Cover.....	8.
External Disk Drive Cover.....	4.

Diversions

Underware Ribbon.....	11.
<i>Create iron-on transfers of your favorite Mac pictures. T-shirts, banners.</i>	

Underware Color Pens.....	11.
<i>Add colors to your iron-on transfers.</i>	

ColorPack.....	19.
<i>Includes one black ribbon and set of five color pens.</i>	

Esoft Enterprises

ColorPrint.....	29.
<i>Allows MacPaint documents to be printed in color. Color ribbons not included.</i>	

I/O Design

Imagewriter Transfer Ribbons.....	10.
<i>Available in black, red, blue and yellow.</i>	

Imageware.....	49.
<i>Padded Imagewriter Carrying Case with shoulder strap. Navy blue.</i>	

Macinware.....	69.
<i>Sturdy well-padded bag for the Mac, mouse, drive, keyboard, and accessories. Reinforced bottom.</i>	

Innovative Technologies

CompuBag.....	59.
---------------	-----

<i>Well-padded carrying case for your Mac and accessories. Reinforced bottom.</i>	
---	--

Easel.....	15.
------------	-----

<i>Folding diskette holder. Perfect companion with CompuBag, holds 20 disks.</i>	
--	--

Kalmar Designs

Roll-top teakwood disk case.....	19.
<i>(holds 45 disks)</i>	

Microsoft

Apple-Mac Book.....	14.
---------------------	-----

Presentation Graphics Book.....	14.
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MacWork/MacPlay Book.....	14.
---------------------------	-----

RAEX Enterprises

Mouse-Trap.....	8.
-----------------	----

A home for your idle mouse.

Ribbons Unlimited

<i>Available in black, blue, brown, green, purple, red, and yellow.</i>	
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Imagewriter Ribbon.....	5.
-------------------------	----

Imagewriter Ribbons Six Pack.....	28.
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Imagewriter Rainbow Six Pack.....	28.
<i>Includes each color except black.</i>	

on prices and long

Peachtree
 Back to Basics General Ledger \$85.
Entry-level accounting system.

ProVUE Development
 OverVUE 159.
Database with powerful math capability.

RealData, Inc.
Real estate and financial analysis templates. You must have Multiplan to use.
 General financial analysis 75.
 Commercial real estate development... 75.
 Residential real estate 75.
 Income producing real estate 95.
 On Schedule 130.
 Tax Shelter Syndication Analysis 195.

Software Arts
 TK!Solver 149.
An equation processing program.

Software Publishing
 PFS:File 74.
 PFS:Report 74.
 PFS:File/Report 115.

State of the Art
 Electric Checkbook 49.
Keep your personal finances in order.

Stoneware
 DB Master 119.
Complete database management.

T/Maker
 Click Art Personal Graphics 33.
 Click Art Publications 33.
 Click Art Letters 33.
 Click Art Effects 33.
Rotate, slant, distort and add perspective to your MacPaint drawings.
 ClickOn 47.
Adds spreadsheet and grapher to any application.

Telos Software
 Filevision 102.
Unique graphic filing program.

Think Educational
 Mind Over Mac 36.
Five challenging games.
 MacEdge 36.
Learning programs in math and reading.

Videx
 MacCalendar 53.
Includes a reminder system to alert you of important messages or notes.

Warner Software
 The Desk Organizer 99.
Complete desk management system.

TRAINING

ATI
 MacCoach Training \$49.
 Teach Yourself Multiplan 49.

Forethought
 Typing Intrigue 33.
Typing instruction that features solving a mystery case.

Palantir
 MacType 31.
Supports Qwerty and Dvorak keyboards.
 MathFlash 31.
Math flash card drills.

Scarborough Systems
 Mastertype 29.
Typing program with arcade action.

Simon & Schuster
 Typing Tutor III 31.
Includes Letter Invaders.

OUR POLICY

- We accept VISA and MASTERCARD.
- No surcharge added for charge cards.
- Your card is not charged until we ship.
- If we must ship a partial order, we never charge freight on the shipment(s) that complete the order.
- No sales tax.
- All shipments insured; no additional charge.
- Allow 1 week for personal & company checks to clear.
- UPS Next-Day-Air available.
- COD max. \$1000. Cash or certified check.
- 120 day guarantee on all products.*
- To order, call us anytime Monday thru Friday 9:00 to 9:00, Saturday 9:00 to 5:30. You can call our business offices at 603/446-7711.

SHIPPING:

Continental US: For printers and drives add 2% for UPS ground shipping. Call for UPS Blue or UPS Next-Day-Air. For all other items, add \$2 per order to cover UPS shipping. We will automatically use UPS 2nd-Day-Air at no extra charge if you are more than 2 days from us by UPS ground. **Hawaii:** For printers and drives, actual UPS Blue charge will be added. For all other items, add \$3 per order. **Alaska and Outside Continental US:** Call 603/446-7711 for information.

GAMES

Axlon
 MacMatch \$31.
Match the squares and solve the hidden puzzles underneath.

Blue Chip
 Millionaire (stock market) 37.
 Tycoon (commodities) 37.
 Baron (real estate) 37.

BrainPower
 Think Fast 29.
Improve your memory.
 Chipwits 31.
Create your own robot. No programming knowledge required.
 TeleChess 41.
Play chess over the phone. Modem required.

Broderbund Software
 Lode Runner 26.
Arcade style; attempt to recover stolen gold.
 Cyborg 26.
A sci-fi text adventure.

CBS
 Murder by the Dozen 29.
12 intricate mysteries.

General Computer
 Ground Zero 26.
Save the nation from enemy attack.

Hayden Software
 Masterpieces 24.
Turn your favorite drawings into a jigsaw puzzle.
 Word Challenge II 24.
How many words can you find?
 Sargon III 31.
The ultimate in computer chess.

Infocom
You're a magician challenging the dungeon master, a detective solving a murder mystery, a scientist deciphering hieroglyphics, or just an ordinary mortal meeting the Wizard of Frobozz. (Difficulty levels shown in parenthesis)
 Seastalker (junior) 25.
 Enchanter (standard) 25.
 the Witness (standard) 25.
 Planetfall (standard) 25.
 Cutthroats (standard) 25.
 Hitchhiker's Guide (standard) 25.
 Zork I (standard) 25.
 Zork II (advanced) 29.
 Zork III (advanced) 29.

1-800/Mac&Lisa 480B

MacConnection™

MacConnection, 14 Mill Street, Marlow, NH 03456 800/622-5472 603/446-7711

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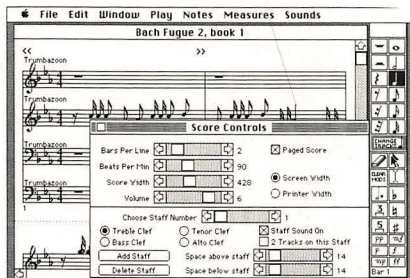
All items subject to availability. Prices subject to change without notice.

*Defective software replaced immediately. Defective hardware replaced or repaired at our discretion. Some items have warranties up to five years.

Circle 11 on Reader Service Card

Deluxe Music Construction Set

Music composition



System Requirements: 128K or 512K Macintosh.

The Deluxe Music Construction Set allows a user to write notes directly on to a staff via the Macintosh's mouse or an on-screen, piano-style keyboard.

It can also give a user a visual and audible interpretation of all entered keys and notes during playback, as well as a print-out of any composition entered.

The Deluxe Music Construction Set has cut, paste, and copy-editing features, and it uses all four of the Macintosh's voices—or sound capabilities—to produce sound similar to that made by a variety of different instruments.

In addition, the program features "smart" measures that can be made as wide or narrow as the music requires and only permit the correct number of beats allowed by the time signature.

Electronic Arts
2755 Campus Dr.
San Mateo, Calif. 94403
415-572-2787
Retail Price: \$40
Release Date: June, 1985

Designs for MacPublishing

Designs, pictures, fonts, graphics



System Requirements: 128K or 512K Macintosh. Special Requirements: MacPaint.

Designs for MacPublishing is a collection of original MacPaint designs and fonts that can be used for creating graphic illustrations for various publications such as corporate or organizational newsletters, magazines, newspapers, annual reports, etc.

The program includes illustrations pertaining to such professions as medicine, law, education, science, religion, and others. It also features art designs and pictures for general interest or hobby use.

Designs for MacPublishing includes two special fonts, Rules and Borders, that can be used to create rules and borders—without requiring MacPaint—as well as many MacPaint borders, frames, signs, alphabets, initial letters, column heads, nameplates, and other graphics.

The program's user's guide includes font charts and tips for using the software along with MacPaint.

Boston Software Publishers, Inc.
19 Ledge Hill Rd.
Boston, Mass. 02132
617-327-5775
Retail Price: \$39.95
Available now

Easy Trace System

Drawing; graphics

System Requirements: 128K or 512K Macintosh. Special Requirements: MacPaint. Inclusions: Sketch paper, tracing guide, ruler, and software.

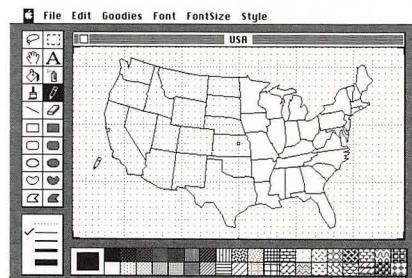
The Easy Trace System consists of sketch paper, a plastic tracing guide, and software; all of which share a matching graphic pattern. A special ruler that provides dot-by-dot control of the layout of a Macintosh screen image is also included.

To use the system a user sketches a design—with the aid of the ruler, if necessary—on to the sketch paper. This design can then be transferred to the computer with the mouse by using matching reference points on both the paper and the computer screen.

The plastic tracing guide can be used to transfer existing images to the computer via a similar process.

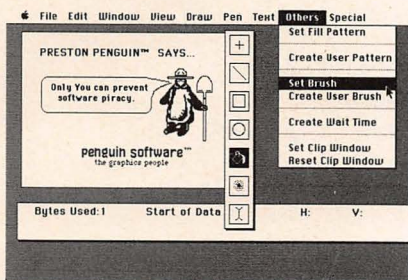
Easy Trace is designed to be used in conjunction with MacPaint by novice users and by those with more serious, businesslike graphic applications.

Heizer Software
5120 Coral Ct.
Concord, Calif. 94521
415-827-9013
Retail Price: \$39.95
Available now



Graphics Magician

Pictures, animation



System Requirements: 128K or 512K Macintosh.

The Graphics Magician is composed of two parts: the Picture Painter and the Animator.

The program also has a picture editor that can be used with other programs; a shape editor, which allows a user to flip and rotate shapes; and a path editor, which allows paths to be drawn on a background screen.

In addition, the Graphics Magician has three animation editors that can be used to design shapes, their paths, and to assemble animations with up to 32 independent objects.

Its machine-language animation file can be added to BASIC or machine-language programs, giving programmers additional control over paths, shapes, locations, and collision detection.

The Graphics Magician also packs pictures in most condensed form, recognizes many peripherals as input devices, and allows implementation of pictures on other popular microcomputers.

Penguin Software
PO Box 311
830 4th Ave.
Geneva, Ill. 60134
312-232-1984
Retail Price: \$79.95
Available now

MacMemories Series

Memorabilia; public-domain art

System Requirements: 128K or 512K Macintosh.

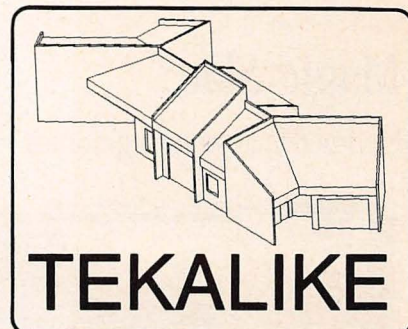
Initial products in the MacMemories line include a series of 12 individual diskettes made up of recognizable, memorabilia-based images and a separate catalog diskette.

Each image contained on the 12 individual diskettes is based on public-domain art, and each has developed a high degree of nostalgic appeal over the years.

Titles of the 12 individual diskettes in this series are as follows: Memory Lane; The Wild, Wild West; Seasons & Holidays; Flowers & Plants; Indian Art & Symbols; Fish, Fowl & Fur; International Design; The Tool Library; Wheels, Hulls, Rails & Wings; Attention Grabbers; Art Nouveau; and Silhouettes.

It is expected that users will find their own applications and methods for using these images, in addition to the usual illustration of text.

ImageWorld, Inc.
PO Box 10415
Eugene, Ore. 97440
503-485-0395
Retail Prices:
\$39.95 MacMemories catalog diskette
\$39.95 Each individual diskette
\$360 Medallion Introductory Issue (set)

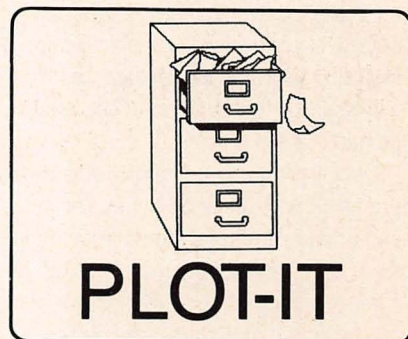


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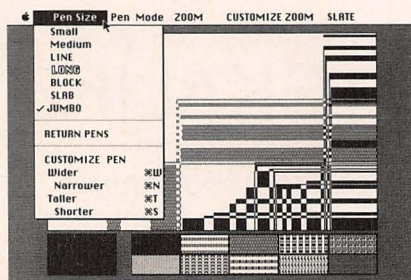
\$95

Mesa Graphics
P.O. Box 506
Los Alamos, NM 87544

Circle 12 on Reader Service Card

Magic Slate

Geometric abstracts; graphics



System Requirements: 128K or 512K Macintosh.

Magic Slate allows a user to generate both formal, geometric abstract art; and stylized graphics. It can also be used to teach balance, form, and rhythm—the basics of art.

Use of the program does not depend on a user's drawing ability. Its primary objective, according to its manufacturer, is to keep a user moving forward and to "maintain the exhilaration of the creative mood."

Designs or abstract graphic ideas can be produced with Magic Slate in a few seconds, and can be examined instantly to see if they are interesting or pleasing. If approved, they can be saved. If not, they can be erased and a new idea started.

Other Magic Slate features include emphasis on maintaining a creative mood and not lapsing into an edit or undo mode (left-side versus right-side brain function), exploration and self-expression without excessive time and material expenditures, multiple-pattern interaction modes, and monthly art/graphics contests.

Devionics
PO Box 2126
Covina, Calif. 91722
714-779-7193
Retail Price: \$99
Available now

The Pattern Collection Volume 1

Patterns; shapes

System Requirements: 128K or 512K Macintosh.

The Pattern Collection Volume 1 is a booklet containing more than 500 different menu patterns of animate and in-animate objects; symmetrical and abstract shapes.

Each pattern and shape, presented in page form and cataloged for ease of use, can be easily copied and installed into the Macintosh paint-bucket menu.

RoZet
1400 Shelbyville St.
Center, Texas 75935
409-598-5378
Retail Price: \$12.95
Available now

The Print Shop

Personalized cards, letters

System Requirements: 128K or 512K Macintosh. Inclusions: Matching paper and envelopes.

The Print Shop is a software program that allows a user to write, design, and print greeting cards, stationery, signs, banners, etc. with no prior knowledge of computer graphics.

Messages can be written in various sizes—in any of eight different type styles—in solid, outline, or three-dimensional form. The program's text-editing features include automatic centering and left and right justification, and it comes with an assortment of paper and matching envelopes.

The Print Shop also comes with nine border designs, 10 abstracts, and many other pictures and symbols including 12

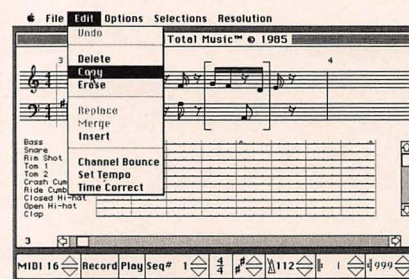
kaleidoscopic animations. In addition, its built-in graphic editor can be used to create original pictures and symbols or to modify those provided.

Users can also print illustrations generated with other applications.

Broderbund Software
17 Paul Dr.
San Rafael, Calif. 94903
415-479-1170
Release Date: Third quarter, 1985

Total Music

Music; recording, editing



System Requirements: 128K or 512K Macintosh. Inclusions: Hardware interface to electronic instruments.

Total Music, designed for keyboard musicians and composers, allows the recording, editing, and playback of music for live performance, studio recording, and film or video scores.

The program comes with a digital hardware interface (MIDI) to most popular electronic instruments such as pianos, organs, guitars, drum machines, and synthesizers.

Total Music accepts musical input from any MIDI-equipped keyboard or guitar, and records up to 16 tracks of pitch, duration, and key velocity information. It has an auto-correct feature that can rhythmically align recorded notes to compensate for inaccurate playing, and a stepping mode that allows notes to be entered at any speed and translated into even rhythms.

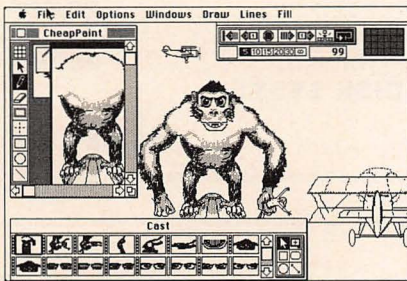
All recorded music appears on a Macintosh screen in correct notation. Each note

or track can then be edited and played back at any speed, and correct musical scores can be printed out on an Imagerwriter printer.

Southworth Music Systems, Inc.
 PO Box 275 RD 1
 Harvard, Mass. 01451
 617-772-9471
 Retail Price: \$389
 Release Date: July, 1985

VideoWorks

Moving images, animation



System Requirements: 128K or 512K Macintosh.

VideoWorks allows a user to put pictures and/or images in motion. These may be chosen from among the characters and figures found in MacPaint, or from a collection of artwork included in VideoWorks itself.

Users may bring pictures or images to life by selecting either the real-time or cell (frame-by-frame) animation options found in the program. Original sounds may also be added.

VideoWorks is designed for professional or budding cartoonists, storyboard artists, producers, or hobbyists.

Hayden Software Company, Inc.
 600 Suffolk St.
 Lowell, Mass. 01854
 617-937-0200
 Retail Price: \$99.95
 Available now

DataFast

Data-base management

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No.	ADDRESS LABEL:	DATE RECEIVED:	DATE SENT:	SORTING KEYS:	UPDATE:	OLD: #3:
CUSTOMERS (LIST 1-4)						
1	John D. Smith 2182 W. 23rd St #7 New York, NY 10022	02-15-1985	02-16-1985	YES	YES	NO
2	Ronald B. Ellsworth 3133 Main Rd San Antonio, TX 78284	02-15-1985	02-16-1985	YES	YES	NO
3	Jane Turner 1200 College Ave Athens, GA 30601	02-16-1985	02-17-1985	NO	YES	NO
4	Stephen Wilson 2391 Delaware Ave Pittsburgh, PA 15250	02-17-1985	02-18-1985	NO	YES	NO
5	David Sherman 54 Newell Rd. Washington, DC 20250	02-18-1985	02-18-1985	NO	YES	NO

System Requirements: 128K or 512K Macintosh.

DataFast is a general data-base management program that can be used by business or personal users to maintain mailing lists, addresses of customers or friends, inventories, recipes, bibliographies, or anything that needs organizing.

The program supports the entry of both alphanumeric and numeric data, and allows users to update, sort, and reorganize data at any time.

Users may also print labels or formatted reports, copy and paste any record or sets of records from DataFast files into MacWrite documents, and generate text files that can be accessed by other programs.

Statsoft
 2831 East 10th St., Suite 3
 Tulsa, Okla. 74104
 918-583-4149
 Retail Price: \$39
 Available now

FileMaker

Data base

System Requirements: 128K or 512K Macintosh; or a Macintosh XL running MacWorks XL.

The FileMaker data-base program allows a user to create a variety of custom-designed reports and forms that include text and graphics. It is designed to function within Apple Computer Inc.'s Macintosh Office concept.

FileMaker allows users to organize and present information essential to managing a business such as customer files, orders and shipments, inventory, project status, and personnel records.

The number of fields, records, reports, and files maintained is only limited by available disk space. In addition, every field can be a variable length, and every entry in every field is indexed for fast retrieval.

FileMaker records can contain any combination of text, number, date, calculation, or summary fields. The program is compatible with all Macintosh products that use text, SYLK, or columnar file storage.

The program also supports both the Apple Imagerwriter and LaserWriter printers and the AppleTalk Personal Network.

Forethought, Inc.
 1973 Landings Dr.
 Mountain View, Calif. 94043
 800-622-9273
 Retail Price: \$195
 Available now

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On Market Since	Date of Sale		
3/18/85			
Owner	Jason Klingfield		
Phone	575-8222		
Classified As	Asking Price		\$198,000
CAMBRIDGE SBR renov Vict 2900sqf. mod appl & bth w jac. Must see KEY RE 285,252	+ 3 %	\$5,940	
	Total		\$203,940

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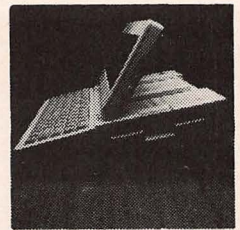
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LaserBase

Information management

System Requirements: 128K or 512K Macintosh; or Macintosh XL.

LaserBase is a data-base program that does not limit the number of characters within a field, the number of fields within a record, or the maximum size of a record.

All of its field and record sizes are determined by the amount of available memory. In addition to a 128K or 512K Macintosh, the program also works on a Macintosh XL running MacWorks XL.

Data may be stored in LaserBase in a variety of different ways, including text, numeric, date, time, and currency, and calculations may be performed on date and time entries as well as numeric. Other program features include independent storage of report formats and record lists and report design and creation using the mouse.

LaserBase can be used for inventory, order processing, stock management, job costing, sales tracking, customer records, medical records, and many other applications.

Laser Software International, Ltd.
32 High St., Tring, Hertfordshire
England, HP23 5AA
0442-82-7933

OverVUE 2.0

Data-base management

System Requirements: 128K or 512K Macintosh.

OverVUE 2.0, an updated version of the original OverVUE data-base package, is an information manager that combines a spreadsheet-like display with faster operation than its predecessor.

According to its manufacturer, new enhancements allow the updated version to sort 1,000 records in less than two seconds, performing calculations on both

rows and columns of data as it goes.

OverVUE 2.0 can also be used to produce charts and graphs, such as bar, column, line, area, and pie charts, directly from data, bypassing more time-consuming, cut-and-paste procedures.

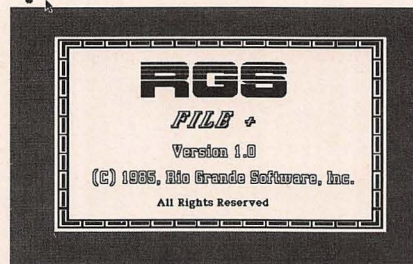
An additional feature of OverVUE 2.0 is its user-defined menu, the DO Menu, which allows a user to create up to 20 custom functions—based on routine program functions such as sort, select, and total—in each file. These functions can be placed in the DO Menu under a name specified by the user, and recalled at a later time by pulling down the menu and selecting the appropriate name.

Other new OverVUE 2.0 features include the ability to join relational (multiple) files together; to import data from other data-base systems in nearly any format including DIF, SYLK, and three kinds of text; and to zoom in on a single data record.

ProVUE Development Corporation
222 22nd St.
Huntington Beach, Calif. 92648
714-969-2431
Retail Price:
\$295 OverVUE 2.0
\$20 Upgrade for current OverVUE owners
Release Date: June, 1985

RGS File+

Data-base manager



System Requirements: 128K or 512K Macintosh.

RGS File+ is a data-base manager that makes data and files easier for a user to manipulate.

The program enables a user to perform the following functions: create, open,

append, delete, modify, project, select, merge, and more. It also has a built-in graphics function that designs pie charts, graphs, and bar charts.

Another printing option provides flexibility for printing address labels and reports.

Additional functions include a simple text editor, on-line help, explanations of functions, and a security system to ensure only authorized users make changes to a file.

Rio Grande Software, Inc.
221 Nolana
PO Box 5906
McAllen, Texas 78504
800-292-1031 or 800-527-1121, ext. 2785
Available now

RGS Softmaker II

Data-base manager



System Requirements: 128K or 512K Macintosh.

RGS Softmaker II is a data-base management system equipped with windows, pull-down menus, and a mouse.

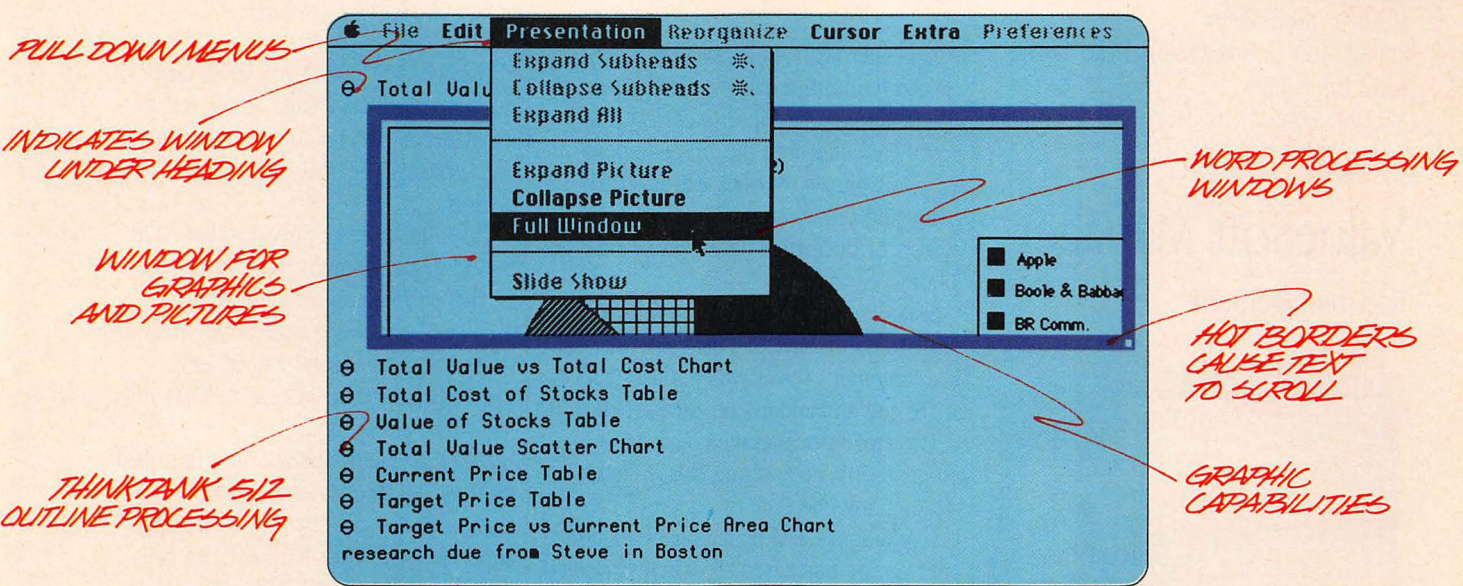
It is a menu-driven package that provides a variety of utilities including deletion, mass deletion, merging, sorting, and renaming of data files. RGS Softmaker II also features on-line help, password protection, and formula definition for customized reports.

The package supports a number of mathematical functions and will automatically total all numeric columns with 14-digit accuracy.

RGS Softmaker II also left justifies all alphabetic columns and right justifies all

Give Mac a piece of your mind.

FAT



Your mind works in mysterious ways.
Thoughts crystallize, change and disappear in a few moments.

Introducing the one software package powerful enough to capture the way you think—ThinkTank 512. The outline processor designed specifically for the Macintosh has now been expanded, adding full-featured, high-performance word processing and graphics capabilities.

From fleeting inspiration to final product. Inside ThinkTank your ideas are stored in a dynamic outline, ready to accept layers within layers of thought. Begin by entering your first ideas into headings. More ideas will follow. Tuck new thoughts under the main headings. Open windows and let bursts of insight pour out in paragraphs. Or use the Macintosh scrapbook to bring pictures, charts and graphs into your ThinkTank outline.

Reorganize with the stroke of a mouse. Blocks of written and visual information move to any portion of your outline with remarkable ease.

ThinkTank is the ultimate personal productivity tool for all decision makers. One toll free call to 1-800-822-3700 (in California, 1-800-443-4310) will guide you to the nearest dealer.

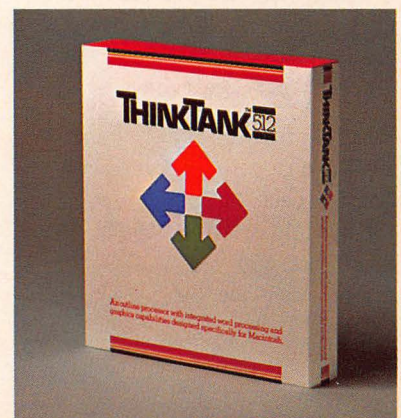
You provide the inspiration. ThinkTank provides the rest.

Circle 14 on Reader Service Card

ThinkTank 512 suggested retail price is \$245. A printer and second disk drive are recommended, but not required. Also available ThinkTank 128 (\$145). If you upgrade your Mac to 512K, your 128K software is easily upgradeable for \$100.

"ThinkTank," "ThinkTank 512," and "The First Idea Processor" are all trademarks of Living Videotext, Inc. "Macintosh" is a trademark licensed to Apple Computer, Inc.

© 1985 Living Videotext, Inc., 2432 Charleston Road, Mountain View, CA 94043. (415) 964-6300.



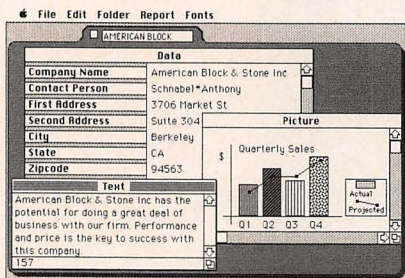
numeric columns to produce reports in an easy-to-read format.

The program is written in Microsoft BASIC and is compatible with a number of hard-disk drives including Corvus, Davong, and Tecmar.

Rio Grande Software, Inc.
221 Nolana
PO Box 5906
McAllen, Texas 78504
800-527-1121 or 800-292-1031, ext. 2785
Retail Price: \$199
Available now

ValueSoft Manager

File management



System Requirements: 128K or 512K Macintosh.

The ValueSoft Manager is a file-management program that allows storage of graphs, charts, and pictures as well as text. The data base may be organized any way the user wants, and can be cross-indexed in up to four different ways.

The program can transport files to or from Microsoft Word, Chart, or Multiplan, and can read or write ASCII or DIF files.

Manager has several arithmetic functions, a form-letter generator, mail merging, many sorting capabilities, a report generator, and calculated fields.

ValueSoft, Inc.
24 Diablo Ct.
Danville, Calif. 94526
800-631-2616 or 415-838-7507
Retail Price: \$89
Release Date: June, 1985

ZipFinder

Zip-code analysis; management

System Requirements: 128K or 512K Macintosh and an external disk drive; 512K Macintosh recommended. Special Requirements: Hard-disk drive for nationwide system.

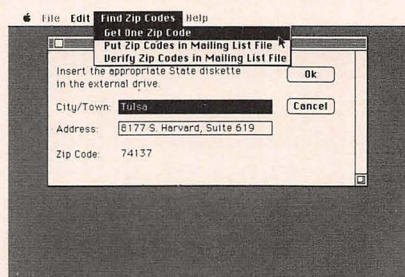
ZipFinder analyzes mailing-list files created with other data-base programs, and determines and inserts correct U.S. postal zip codes into the zip-code field. The program also verifies existing zip codes and prints a report indicating incorrect or misspelled addresses or cities in a file.

In addition, ZipFinder has a feature that displays the correct five-digit zip code on the computer's screen when a user keys in a U.S. city and address on the keyboard.

The ZipFinder package comes with one program diskette and one data diskette representing one state or region of the U.S. Additional state or regional data diskettes can be purchased separately, and discounts are available for multistate or nationwide ZipFinder systems.

Zip-code updates are available on a quarterly basis.

SoftIdea
8177 South Harvard, Suite 619
Tulsa, Okla. 74137
918-745-9792
Retail Prices:
\$125 ZipFinder
\$65 each additional state or regional diskette
Release Date: June, 1985



The NETWAY 1000A AppleTalk Gateway

Communications

System Requirements: 128K or 512K Macintosh; AppleTalk connection.

The NETWAY 1000A AppleTalk Gateway provides host-system access for up to 31 Macintosh computers connected via the AppleTalk Personal Network to a single host.

This initial release provides IBM 3278 BSC emulation support for a Macintosh to an IBM or IBM-compatible host system. Additional protocol modules will be available during the second half of 1985. Planned releases include 3278 SDLC and 5xx SDLC emulation.

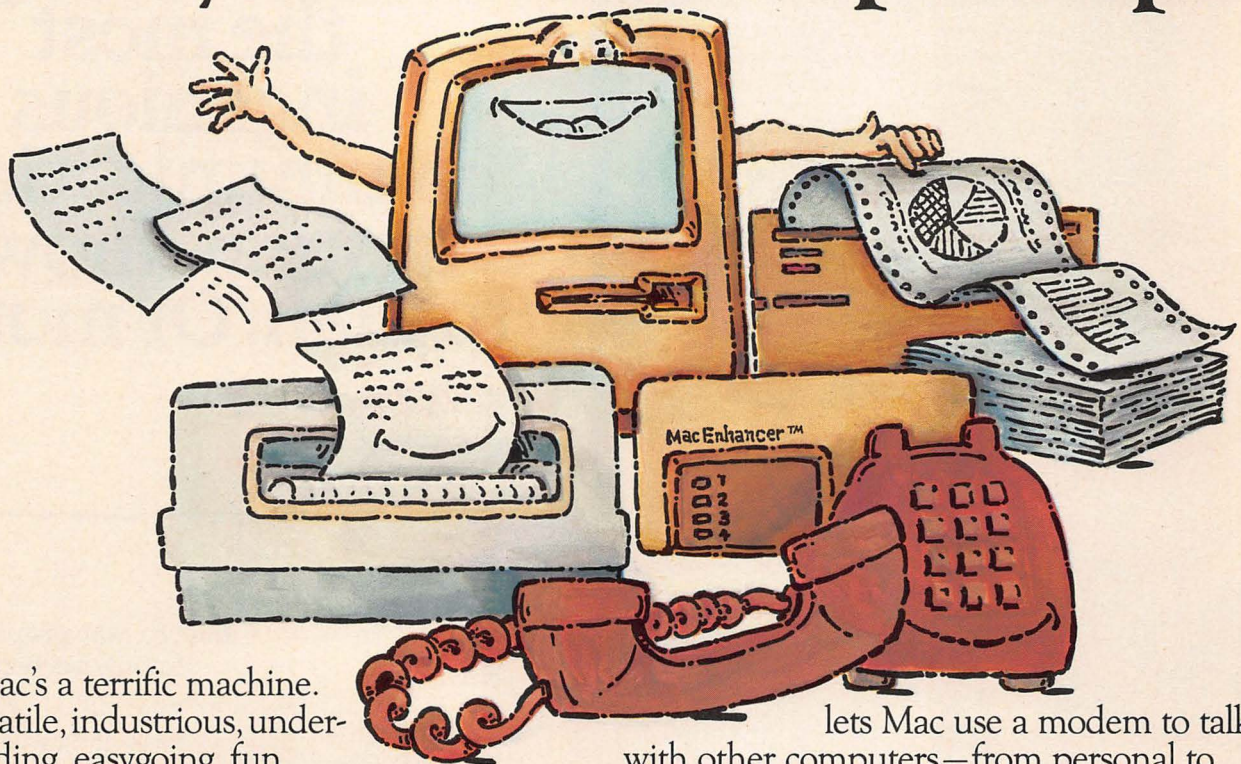
NETWAY 1000A operation is controlled by three software modules residing on a Macintosh disk file. Two of the modules, Supervisor and Host Protocol, can be downloaded to the NETWAY 1000A from any Macintosh on AppleTalk.

The third module, Terminal Emulation, is loaded by each Macintosh user requesting access to the host system. Multiple host systems can be supported on AppleTalk by adding multiple NETWAY 1000As.

Product operation is enhanced by the use of Macintosh features such as pull-down menus, the mouse, cut and paste, etc.

Tri-Data
505 East Middlefield Rd.
Mountain View, Calif. 94039
415-969-3700 ext. 292
Retail Price: \$2,445
Available now

Get your Mac to open up.



Mac's a terrific machine. Versatile, industrious, understanding, easygoing, fun.

Trouble is, Mac lives in a world of his own. He doesn't communicate well with his co-workers. Doesn't work well with them.

Now there's help.

The Microsoft® MacEnhancer™ expansion system can get him out of his shell. It'll open

lets Mac use a modem to talk with other computers—from personal to mainframes.

All without losing the loveable Mac personality. Just "point and click."

Getting Mac to expand his horizons wasn't easy, but somebody had **MICROSOFT**® to do it. And The High Performance Software™ who better than Microsoft? We've written more Macintosh™ programs than any other software company. Including Microsoft Word, Microsoft File. And Microsoft BASIC, Mac's first language.

For more information, or to free associate with your nearest Microsoft representative, call (800) 426-9400. In Washington State, Alaska, Hawaii and Canada, call (206) 828-8088.



his communications channels. Expand his horizons.

MacEnhancer simply plugs into Mac's communication port. It lets you keep that original port while adding an IBM®-type parallel connector for your printer and two IBM-type serial connectors.

So now Mac can hobnob with even the finest letter quality printers. Cope with hyperactive dot-matrix printers.

And it comes with MacEnhancer terminal software. A communications program that

MICROSOFT

Introducing the most ingenious communications system known to man. Or mouse.



Hayes Smartcom II® and Smartmodem 1200™ Point and click communications at its best.

Now Macintosh* can communicate with the best: Hayes.

When it comes to personal computer communications, Hayes set the standards. For the IBM* PC and compatibles. And now for Macintosh, too.

All you need is the industry leader, Smartmodem 1200 (or our

300 or new 2400 bps modems), and a special Mac version of Smartcom II software. For sophisticated, computer to computer communications—a la Macintosh.

Utilizing your mouse, icons and pull-down windows, Smartcom II makes communications as easy as pointing. And clicking.

Mac to Mac graphics. Picture perfect!

Now your Mac can send and receive pictures and drawings long distance with other Macintoshes. And if you have a powerful 512K Mac, you can also take advantage of the unique interactive graphics capabilities of Smartcom II. So that pictures or text sent to other 512K Macs can be simultaneously reviewed, perfected and updated from both locations! For the fun of it, you can even try interactive games on the graphic gameboards.

Mac to personal computers and data bases everywhere.

Want to communicate with an IBM PC? Or dozens of other personal computers? Your Smartmodem 1200 and Smartcom II communications system makes it easy to send and receive text over ordinary phone lines. Quickly. Accurately. Economically.

And a wealth of business, personal and financial information awaits you from on-line data bases. Smartcom II even comes with automatic log-on for many of these services (and introductory bonus subscription and access time discounts valued at over \$300!).



Atlanta, 3 P.M. "Here's the plan for the new space. What do you think?"

Boston, 3:04 P.M. "Looks good. But can you move the lounge over here, and add a second exit, like this?"

Atlanta, 3:05 P.M. "Brilliant! I'll incorporate these changes for tomorrow's meeting."

Circle 15 on Reader Service Card

OMNINET

Local-area network

System Requirements: 128K or 512K Macintosh.

Users of the OMNINET local-area network may connect any workable combination of up to 63 Macintosh computers and/or peripheral devices at distances up to 4,000 feet.

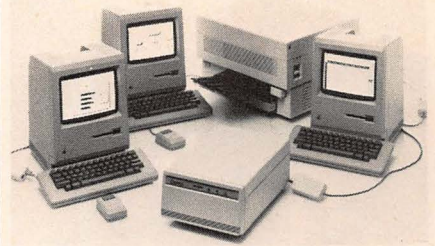
The network interface card is built into the computer interface cable. A user simply plugs the cable into the modem port at the back of the computer to become part of the network.

Shared devices on an OMNINET local-area network may include an OmniDrive hard disk with a disk server built in and a printer.

Corvus Systems, Inc.
2100 Corvus Dr.
San Jose, Calif. 95124
408-559-7000
Retail Price: \$200 per connection
Available now

OmniTalk

Networking software



System Requirements: 128K or 512K Macintosh; OmniDrive hard disk; AppleTalk Personal Network.

OmniTalk software lets multiple Macintosh users on an AppleTalk Personal Network share information, mass storage, and a LaserWriter printer.

Actually, the program allows all users to share storage space and applications software on an OmniDrive hard disk ranging in capacity from 5 to 126 megabytes. Several different volumes can be created on the OmniDrive as well.

OmniDrive volumes may be accessed in any one of the following ways via OmniTalk: read-write, read only, controlled, and uncontrolled. By assigning one of these attributes to a volume, it is possible to determine who gets to see existing information and who can change or modify information.

OmniTalk can also be used with the Apple Finder utility program, making more than 98 percent of all applications written for the Macintosh compatible with an OmniDrive.

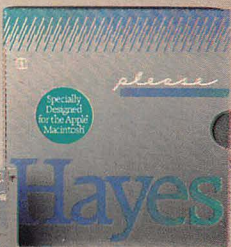
OmniTalk can be used by multiple users in a work-group, office, or classroom setting.

Corvus Systems, Inc.
2100 Corvus Dr.
San Jose, Calif. 95124
408-559-7000
Retail Price: \$395
Available now



And Please™ Mac-organize your data. Mac-nificently!

Hayes offers more than communications. *Please*, the easy-to-use yet powerful file management software, will be available for Macintosh soon. To manage mailing lists, print forms or handle dozens of other tasks.



Hayes for Macintosh. The smartest move you and your mouse can make.

See your authorized Hayes dealer for a hands-on-mouse demonstration of our products for Macintosh. Today!

Hayes
Innovative products
for enterprising people

Hayes Microcomputer Products, Inc.
5923 Peachtree Industrial Blvd.
Norcross, Georgia 30092 404/441-1617

SUN*MAC Mass Storage Server

Mass storage; disk server



System Requirements: 128K or 512K Macintosh.

The SUN*MAC disk server and the SUN*DISK universal-networking and mass-storage device have been incorporated into a single unit called the SUN*MAC Mass Storage Server.

The new unit has complete AppleTalk Personal Network compatibility, and it gives either a single user or an office work group 10 to 368 additional megabytes of storage capacity.

It also includes tape backup options and built-in, error-correction code.

Sunol Systems
1187 Quarry Ln.
PO Box 1777
Pleasanton, Calif. 94566
415-484-3322

Retail Price: \$2,195 and up, depending on storage capacity
Available now

XINET

Unix interface to AppleTalk

System Requirements: 128K or 512K Macintosh.

MT XINU of Berkeley, Calif., allows Unix-based systems to communicate with AppleTalk Personal Networks using XINET technology.

With XINET, AppleTalk network servers, such as the LaserWriter printer, are accessible to any user on a connected Unix system. In addition, a Unix system can act as a server on an AppleTalk network, allowing individual Macintosh users to access the Unix system for mass data storage, communications, and other functions.

XINET protocols can also coexist with other protocol families on Ethernet networks, and provide a bridge between Ethernet and AppleTalk networks.

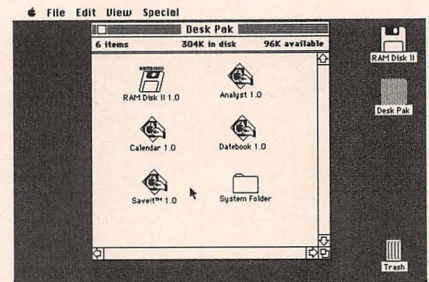
XINET is available in both binary form and C-language source form. The binary version is available as an addition to MT XINU's MORE/bsd VAX/Unix product.

The C-language source is available to Unix software and hardware developers who wish to connect their products to an AppleTalk network.

MT XINU
739 Allston Way
Berkeley, Calif. 94710
415-644-0146
Available now

Desk Pak

Desk accessories



System Requirements: 128K or 512K Macintosh; or a Macintosh XL running MacWorks XL.

Desk Pak is a combination of three convenient desk accessories: Financial Analyst I, Time Manager, and Ram Disk II. The three packages may be purchased together as Desk Pak or separately under their product names.

Financial Analyst I is a business and financial calculator accessory that allows a user to solve financial calculations such as present value, compound interest rates, and gross profit margins.

Time Manager is an electronic time-management desk accessory that allows a user to schedule and record time in a simple and straightforward manner. Its four-in-one diary system includes an appointment book with a 12-week calendar display, a date book with tickler reminder, a to-do file, and a save-it notepad for unlimited diary notes, phone logs, sales calls, and expense records.

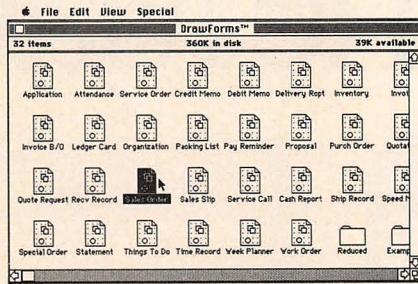
RAM Disk II allocates RAM to be used as a disk that works as fast as memory.

Network Consulting, Inc.
3700 Gilmore Way, Suite 115
Burnaby, B.C., Canada V5G 4M1
604-430-3466

Retail Prices:
\$89.98 Desk Pak
\$49.95 Financial Analyst I
\$49.95 Time Manager
\$39.95 RAM Disk II
Available now

DrawForms

Business forms on disk



System Requirements: 128K or 512K Macintosh. Special Requirements: MacDraw.

DrawForms is a collection of all the most popular business forms, designed specifically for use with MacDraw.

The forms can be used exactly as they appear, or can be modified and customized as necessary. Company logos can be added as well.

The program can save money in many ways. Obsolete forms can be quickly brought up to date electronically. A business never need run out of critical forms since they are always on hand on disk. Filing and storage space is saved since only small quantities of forms need to be printed at a time.

DrawForms can be filled out on screen, with all the advantages of computerized corrections, and the completed form printed out with all information intact.

Finally, filled-in forms can be filed electronically, ready for instant recall.

Datafood Software Company
400 Country Dr., Suite H
Dover, Del. 19901
302-736-9098
Retail Price: \$59
Available now

Facilitator

Group support; problem solving

System Requirements: 128K or 512K Macintosh.

Facilitator is designed to help groups of 10 or less get more work done faster and with greater accord.

Any group of people, from board committees and project teams to task forces and ad hoc groups, can use this program.

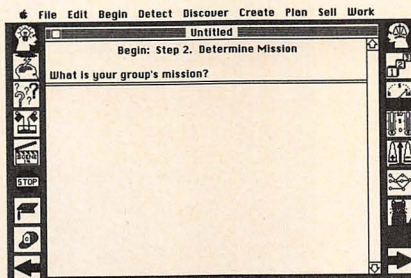
Facilitator is set up in various components starting with a Beginning procedure. It helps a group get organized, determine its mission, identify assignments, choose specific tasks to work on, and select the next appropriate step.

Problem-solving procedures included in the program are defined in three ways: detective, creative, and scientific. Should instructions be needed for any procedure, a group can call upon a variety of on-screen aids for help.

The help available to a group, such as Idea Generation, Decision Making, and Process Facilitation, is offered via icons bordering the Macintosh screen.

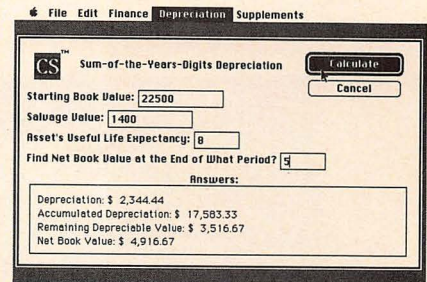
Other types of help include an Intro button that brings an overview of the entire program on screen, a Tutor icon to answer the what and why for any procedure, and a Coach icon that tells how to respond.

Organization Development Software
1605 South Garden St.
Palatine, Ill. 60067
312-397-1684
Retail Price: \$750
Release Date: September, 1985



Financial Utilities Pack

Financial analysis



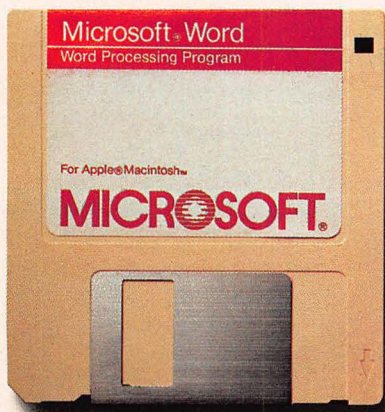
System Requirements: 128K or 512K Macintosh.

The Financial Utilities Pack is an application that helps users find solutions to common financial problems.

The package allows a user to figure annuities, amortization, compound and simple interest, interest-rate conversions, and depreciation, and do a balance-sheet analysis.

Cognitive Software
PO Box 26948
Austin, Texas 78755
512-346-7864
Retail Price: \$69
Available now

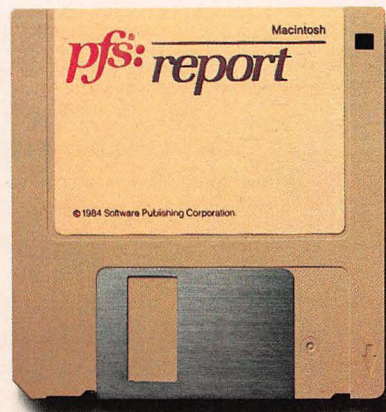
These are some of in The Maci



Microsoft® Word. Full feature word processor for memos, personalized form letters, sales reports or any professional document.



Back to Basics™. Manage your books with a full feature general ledger system for small business.



PFS®: Report. Prepare inventory reports, price lists, salary and payroll analyses and sales reports.



ThinkTank™ 512. An idea processor to organize projects, manage details, outline ideas and support decisions.



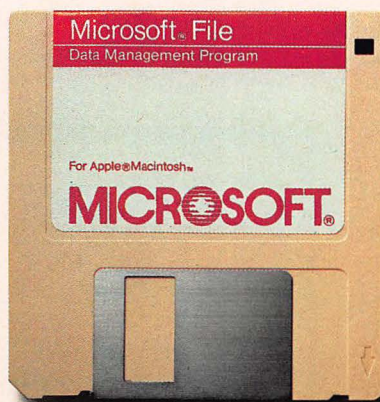
MacProject™. Create complex "critical path" flow charts for production schedules, timelines and managing projects.



Microsoft® Multiplan®. Electronic spreadsheet for budget forecasting, business planning and "what if" analysis.



Dow Jones Straight Talk™. Get up-to-the-minute information for informed business decisions on stocks, bonds and commodities.



Microsoft® File. Filing systems for mailing lists, payroll records, inventory and customer lists.



OverVUE®. Analyze sales, track inventory, update customer lists and monitor accounts receivable.

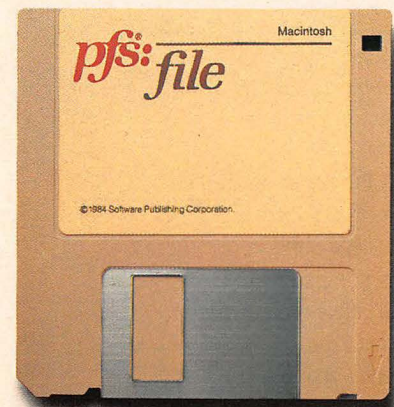
the hardest workers Macintosh Office.



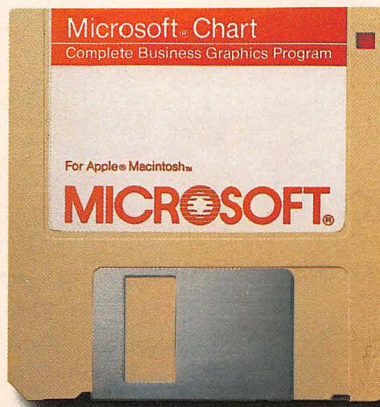
MacTerminal™ Talk to mainframes via 3270 emulation, as well as information services and other computers.



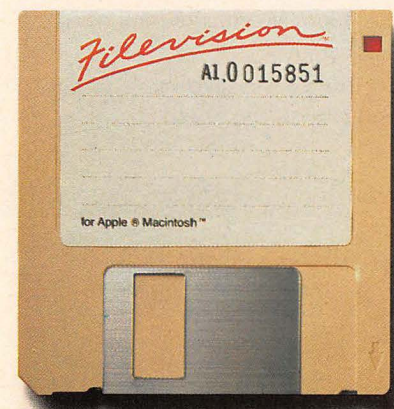
Lotus® Jazz™ Integrated word processing, business graphics, database management, data communications and worksheet.



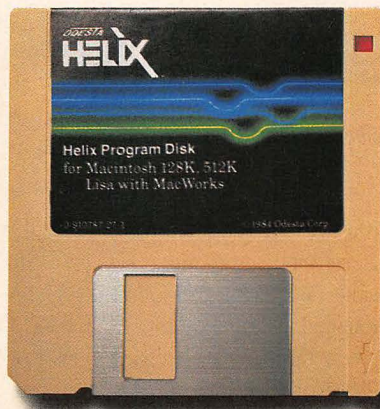
PFS®: File. Store and retrieve mailing lists, client records, collections, schedules and inventories.



Microsoft® Chart. 42 different charts and graphs for presentations, sales reports and transparencies.



Filevision™ Visualize market trends, organize and track sales and present data in pictures.



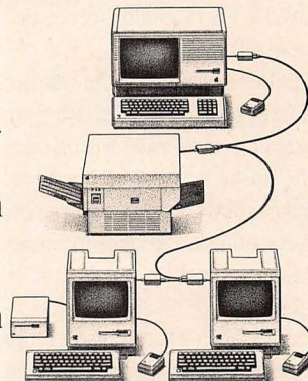
Odesta Helix™ A relational database and decision support system for tracking information, resources and ideas.

They're fast. They're dependable. And they seldom, if ever, complain.

We're talking, of course, about all the powerful business software that works in The Macintosh™ Office. Our family of integrated office products that, we believe, will revolutionize the way business does business.

And apparently, more than a few people agree with us.

Leading software developers have already written more than 350 programs for The Macintosh Office. And there are hundreds of others on the way.



Just as Macintosh makes individuals more productive, The Macintosh Office increases productivity for workgroups of 5 to 25.

But more impressive than the sheer number of programs for The Macintosh Office, is the sheer ease with which you can use them.

Thanks to Macintosh's windows, icons, pull-down menus and mouse technology, every Macintosh program works the same way. Learn one, and you've learned them all.

Which means you'll have a lot more time to do the one thing you've probably been too busy to do:

Your job.



*Available Spring 1985. © 1985 Apple Computer, Inc. Apple, the Apple logo, MacProject and MacTerminal are trademarks of Apple Computer, Inc. Macintosh is a trademark licensed to Apple Computer, Inc. For an authorized Apple dealer nearest you call (800) 538-9696. In Canada, call (800) 268-7796 or (800) 268-7637.

Forecasting and Time Series Software

Two forecasting programs

System Requirements: 128K or 512K Macintosh.

The Forecasting and Time Series software package explores major techniques used for the analysis of time series and for the development of forecasting techniques based on such analysis.

The 23 separate program functions in this series include spectral analysis and correlograms, autoregression, fitting trends, two Box-Jenkins forecasting techniques, and more.

A utility program for the transfer of DIF files from spreadsheets is also provided, as are 12 time series used for practice.

The Business and Economic Forecasting program shows how to apply sophisticated forecasting techniques to business problems, especially to sales and marketing forecasts.

The problem of relating a company time series to a more general business time series is discussed in detail, as is the relation of forecasts to market audits.

Thirty separate programs as well as a data base of more than 50 business and economic time series are included in the Business and Economic Forecasting program.

Lionheart Press, Inc.

PO Box 379

Alburg, Vt. 05440

514-933-4918

Retail Prices:

\$125 Forecasting and Time Series

\$145 Business and Economic Forecasting

\$200 Both titles purchased together

Available now

Optimization

Business optimization

System Requirements: 128K or 512K Macintosh.

Optimization offers a review of useful optimization management techniques by the following criteria: experiment, mathematical programming, multiple objectives, simulation, and modeling.

Program applications include inventories and queues, portfolio management, and the optimization of specific functions.

Optimization also includes a general optimization program that accepts a user-defined function.

According to the dictionary, optimization is the process of making something as fully perfect as possible.

Lionheart Press, Inc.

PO Box 379

Alburg, Vt. 05440

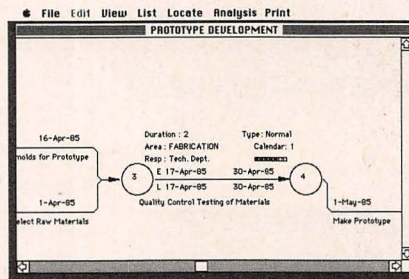
514-933-4918

Retail Price: \$90

Available now

Resourceful

Miscellaneous management



System Requirements: 128K or 512K Macintosh.

Resourceful is a software program that helps a user manage time and money.

With six separate calendars it can follow any task plan designed, taking into account that not every business activity gets done on a five-day work schedule.

Staffing increases and reductions are a

part of the program, along with keeping track of fixed and variable costs of certain projects.

Resourceful also calculates deadlines for projects using special resource analysis functions.

Paladin Software Corporation

2895 Zanker Rd.

San Jose, Calif. 95134

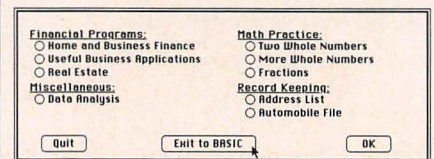
408-946-9000

Retail Price: \$295

Release Date: June, 1985

Useful BASIC Programs

Real estate investment, analysis



System Requirements: 128K or 512K Macintosh.

Useful BASIC Programs, also called Home/Business Disk, is part of a series of disks from Footsteps Software for the Macintosh microcomputer.

This program offers more than 45 different, integrated programs and subroutines in investment analysis, real estate, and data analysis.

The Home/Business Disk enables users to determine the present and future value of their home, depreciation, sales commission, mortgage and loan amortization, and balloon payments.

It also features mathematics practice, and assists in data analysis and record keeping.

Footsteps Software

PO Box 365

Cambridge, Mass. 02142

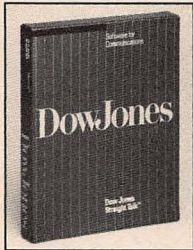
617-494-0910

Retail Price: \$35

Available now

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The information software that keeps you on course.



You don't go sailing without the right navigational instruments. And you don't make business decisions without the right information.

Straight Talk and your Macintosh™ give you access to a world of timely information. Fast. So you have the information you need to make informed business decisions.

Here's what it gives you:

- Automatic log-on and log-off to major information services like, Dow Jones News/Retrieval,® The Source,™ and CompuServe.
- The latest business information and financial news, plus airline schedules and fares, an encyclopedia, electronic mail and much more.
- Ability to review, save, edit and copy data received online *after* you hang up.
- Communication with other Macintosh computers via modem or networking.

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1-800-257-5114, ask for John Austin.

(In New Jersey, Alaska, Hawaii and Canada, call 1-609-452-1511)

Please have your credit card information ready, including expiration dates. VISA, MasterCard, and American Express accepted.

Act now — Offer expires July 31, 1985.

*To redeem offer send proof of purchase to Dow Jones & Company, Inc., John Austin, P.O. Box 300, Princeton, N.J. 08540.

Straight Talk works with Apple® Macintosh.™

Dow Jones™

Software

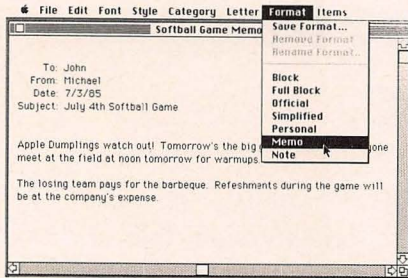
For Informed Decisions



"I think we turn left here."

Business Essentials

Correspondence; mail merging



System Requirements: 128K or 512K Macintosh; or Macintosh XL running MacWorks XL.

Business Essentials helps a user create professional-looking business correspondence from its data base of commonly used letters and forms. Users may also write and save personalized letters.

Each section of a business letter contained in the program's data base, such as the salutation, body, or closing, can be chosen from a variety of alternatives via the program's menu bar. These alternatives can change the tone of a letter to convey a wide range of meanings.

Any letter can be formatted as a business letter, memo, personal letter, or in a user's personal style.

In addition, program users can keep a list of customers, suppliers, and associates for bulk mailings; print out mailing lists and labels; and use any MacDraw or MacWrite document to create customized forms, stationery, or a letterhead.

Assimilation, Inc.
485 Alberto Way
Los Gatos, Calif. 95030
408-356-6241
Retail Price: \$49
Available now

Totalform

Form facsimile service

System Requirements: 512K Macintosh; two disk drives or one disk drive and a hard disk recommended. Special Requirements: Microsoft File.

Totalform is designed to turn ordinary business forms into Macintosh data bases. Users supply its manufacturer with copies of their forms and the company, in turn, puts a "reasonable facsimile" of each form on to a disk, which is returned to the user.

This Totalform disk, which requires Microsoft File, then allows the user to scroll through and fill out copies of these specific forms on the screen. The data base becomes a collection of the filled-out forms. Users may even design their own reports using any field on a form.

In addition, Totalform uses computed fields. This means almost any type of business form, including insurance, tax, billing, inventory, or payroll, is permissible. It will also search for forms matching any field criterion.

Nappo Computer Service
20 Fatima Dr.
Bethany, Conn. 06525
203-878-8770
Retail Price: \$29.95 each form
Available now

Varioform

Preprinted forms

System Requirements: 128K or 512K Macintosh. Special Requirements: Microsoft Multiplan; an external disk drive and printer are recommended.

Varioform is a software program that allows a user to view the total text of a preprinted business form on a Macintosh screen. The program, however, prints only the text that has to be filled in on the form.

Designed for small businesses, Varioform makes use of a near-letter-quality font for printing purposes, and it is available in Dutch, English, French, and German.

The program requires Microsoft Multiplan in order to operate, and its manufacturer recommends the use of a printer and an external disk drive.


Mexoft Belgium
140 Wirtzfeld Ave.
B 4761 Bullingen
Belgium
0032-80647713
Retail Price: \$69.95
Available now



ExperTelligence™ has the “tools” to transform your Macintosh™ into a powerful Artificial Intelligence workstation. **ExperLisp**™ is the first complete implementation of LISP on a microcomputer. Developed on a Symbolics 3600,™ the compiler generates efficient MC68000 code providing speed and function ideal for the development and delivery of sophisticated AI applications. **ExperOPS5**,™ by Science Applications International Corporation, is a complete implementation of the well-known OPS5 expert systems

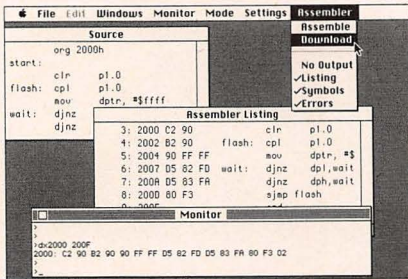
building tool. It provides a fast and efficient method for constructing complex Expert Systems. **ExperLogo**™ features 3-D and spherical graphics, English-like commands and shares the speed and function of ExperLisp. In the classroom or in the lab, ExperLogo provides an environment for discovery and exploration for children and developers alike.

Call today for more information about these and other innovative AI products.

 **ExperTelligence, Inc.**
559 San Ysidro Road
Santa Barbara, CA 93108
Tel: 805/969-7871

AELM-51 Assembler/Editor/ Loader

Software development; research



System Requirements: 128K or 512K
Macintosh.

The AELM-51 Assembler/Editor/Loader software program—on three separate disks—is designed to help interface Intel MCS-51 microcontroller objects with a Macintosh. The software generates object code and listings intended primarily for the Metaresearch BenchTop Series of remote laboratory devices.

Other brands of microcontroller hardware are accessible by a simple serial protocol via the Macintosh's serial port.

The AELM-51 user is given a Source Window, a Listing Window, and a Monitor Window. The Source Window is used to edit text in much the same way as a typical Macintosh, mouse-oriented text editor.

The Monitor Window is a "graphics terminal" to the serial guest device. It has Tektronix 4012-compatible graphics features, allowing a guest microcontroller to send graphical information to the computer.

Guest microcontrollers may include oscilloscopes, frequency counters, generators, etc.

Metaresearch, Inc.
1100 SE Woodward
Portland, Oreg. 97202
503-232-1712
Retail Price: \$250
Available now

BI-2 Language interpreter

System Requirements: 128K or 512K
Macintosh.

BI-2 is a business-oriented, BASIC-language interpreter that provides features similar to that of an operating system such as device handling, process scheduling, and file management. In addition, it also supports networking.

This particular version of the program features a librarian utility that increases the speed of program loading, helps to ease file organization, and reduces hard-disk usage.

Control-C Software, Inc.
6441 SW Canyon Ct.
Portland, Oreg. 97221
503-292-8842
Retail Price: \$500
Release Date: Second quarter, 1985

DeSmet C Software development

System Requirements: 128K or 512K Macintosh; second disk drive or a hard disk recommended.

The DeSmet/Ouye C Development Package allows a user to create application programs on a Macintosh.

The package includes a C compiler that generates 68000 code, a shell or command interpreter, a text editor, a 68000 assembler, a file linker, a C library with more than 120 routines, a ROM interface library, a file librarian, and a RAM Disk emulation program for the 512K Macintosh.

The manufacturer recommends the use of two disk drives or an optional hard disk. Using the Ram Disk as the system disk, in effect, gives a user a second drive on a 512K Mac.

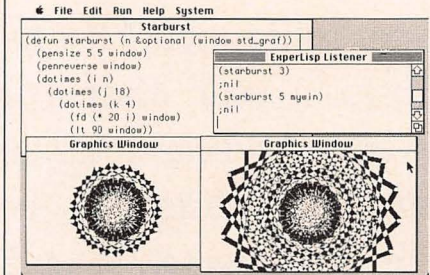
On 128K Macs a system disk with the System file, shell, editor, compiler, assem-

bler, linker, and library leaves approximately 90K of disk space for program development; or enough to get started.

DeSmet C is not available from dealers or distributors.

C Ware Corp.
PO Box C
Sunnyvale, Calif. 94087
408-720-9696
Retail Price: \$150
Release Date: June, 1985

ExperLisp Programming language



System Requirements: 512K Macintosh with an external disk drive; or a Macintosh XL with a hard-disk drive.

ExperLisp is a compiled version of the Lisp programming language, which predominates in the artificial-intelligence field.

ExperLisp gives users access to numerous Macintosh graphics routines, pull-down menus, multiple windows, and operating-system routines in addition to a Lisp code optimized for the MC68000-based Macintosh and Macintosh XL computer systems.

The ExperLisp compiler compiles directly to MC68000 machine code. During interactive programming, the compiler

is invisible to the user and is fully integrated with the top-level interpreter loop, the editor, the interactive debugger, and the trace facility.

ExperLisp supports large program libraries because it supports virtual space for procedures and data structure. In addition, it allows a user to run programs that are larger than the machine's memory because only the code for the currently executing function need be in RAM at any given time.

Other features include an interactive editor/interpreter buffer that allows a user to edit and evaluate expressions and output, and the same three-dimensional graphic capabilities found in its sister program, ExperLogo.

ExperTelligence, Inc.
559 San Ysidro Rd.
Santa Barbara, Calif. 93108
805-969-7874
Retail Price: \$495
Available now

Linear And Non-linear Programming

Mathematical programming

System Requirements: 128K or 512K Macintosh.

This book and software shows how to use mathematical programming techniques in business situations. A Monte Carlo technique is used for fast linear, quadratic, and non-linear programming models that can handle large data sets.

A simplex model for linear programming is also supplied. Applications of the techniques are given in the assignment problem, the distribution and transporta-

tion problems, and the traveling salesman problem.

Seven computer programs are included.

Lionheart Press, Inc.
PO Box 379
Alburl, Vt. 05440
514-933-4918
Retail Price: \$85
Available now

MacFORTH Level 3 Developer's Kit

Software development

System Requirements: 128K or 512K Macintosh.

The MacFORTH Level 3 Developer's Kit is a software program that can be used to develop commercial and other applications in MacFORTH on and for the Macintosh.

It is a combination of the MacFORTH Level 1 Explorer's System and the MacFORTH Level 2 Professional System from the same manufacturer.

MacFORTH Level 1 permits user access to the graphics, windows, menus, serial, and sound features of the Macintosh.

Level 2 does the same and includes a 68000 in-line assembler, floating point, advanced graphics, and additional controls support.

Level 3 is a superset of Levels 1 and 2 with all of their features plus 512K support, overlays for large programs in 128K, and sample turnkey applications. A turnkey application is one where the MacFORTH kernel is invisible to the user.

Purchasers of the Level 3 Developer's Kit are licensed by the manufacturer to use the MacFORTH kernel without royalty payments, providing terms of a MacFORTH Level 3 license agreement are kept.

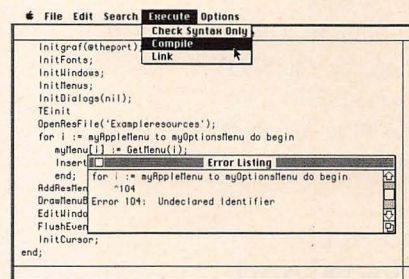
MacFORTH Levels 1 and 2 are available through major software distributors and

dealers. Level 3 will be distributed initially by its manufacturer, listed below.

Creative Solutions, Inc.
4701 Randolph Rd., Suite 12
Rockville, Md. 20852
301-984-0262
Retail Prices:
\$499 Level 3 Developer's Kit
\$350 Level 1 upgrade to Level 3
\$250 Level 2 upgrade to Level 3
Available now

MacLanguage Series

Software development



System Requirements: 128K or 512K Macintosh. Inclusions: Sample programs in Pascal and BASIC.

The MacLanguage Series Pascal and MacLanguage Series BASIC programs—two separate products—are software-development systems for creating Macintosh applications and desktop accessories in Pascal and BASIC, respectively.

The MacLanguage Series Pascal program includes a Pascal compiler that provides direct access to all Macintosh toolbox and operating-system operations, a linker, and a resource maker that provides standard Macintosh editing features.

Pascal programs may be compiled directly from memory or disk, and the compiler may be used in either of two

ways: to check the syntax of a program, or to compile a program and generate native 68000 code.

The MacLanguage Series BASIC program, which can be used to create applications that run faster than in interpreted BASIC, also contains a compiler that generates native 68000 code and a linker integrated into standard Macintosh editing features.

Operation is just like the Pascal program in that the BASIC compiler may be invoked in the same two ways, and errors detected by the compiler are written to a special Error Listing window to a programmer's attention.

In addition, the BASIC compiler is compatible with the Microsoft BASIC interpreter.

TML Systems
582 North Wickham Rd., Suite 93
Melbourne, Fla. 32935
305-242-1873
Retail Price: \$49.95 Each
Available now

MacNosy

Disassembler

System Requirements: 512K Macintosh or a Macintosh XL.

MacNosy is an interactive disassembler that allows software developers and/or hobbyists to recover the source code of any Macintosh application file, ROM, or code-type resource on the system file (i.e. DRVR, INIT, PACK, etc.).

MacNosy includes features that automatically subdivide the program into procedures and referenced data blocks by a treewalk and global-flow analysis, perform value to symbol substitution via dictionaries for references to trapnames and global symbols, and more.

MacNosy also reformats data into its "natural format" via commands; directs disassembled output to a file for inspection or assembly; produces a reference

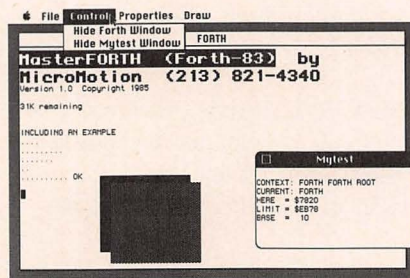
map for procedure names, trapnames, etc.; suspends execution until a later time; and more.

Use of MacNosy requires a knowledge of both programming and assembly language.

Jasik Designs
343 Trenton Way
Menlo Park, Calif. 94025
415-322-1386
Retail Price: \$70
Available now

MasterFORTH

Programming language



System Requirements: 128K or 512K Macintosh. Inclusions: Tutorial.

MasterFORTH is an implementation of the Forth programming language that matches the implementation described in the 200-page *Mastering Forth* tutorial, included with the package.

The Macintosh version comes with a 68000 macro assembler and supports the computer's mouse, finder, menus, and complete graphics toolbox. It also includes a string package, screen editor, and resident debugger.

Optional extensions of MasterFORTH include Floating Point, with trigonometric, logarithmic, and hyperbolic functions; and a Relocator for creating relocatable overlays. Floating Point and the Relocator must be purchased separately.

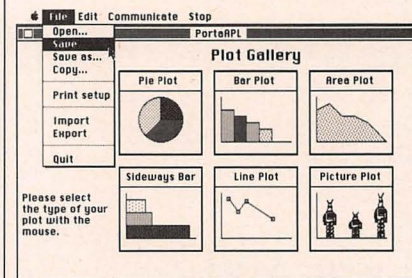
FORTH is suitable for developing real-time applications such as data acquisition, process control, animation, and video games. It has been used in expert systems,

educational software, spreadsheets, word processors, and scientific and engineering applications.

MicroMotion
12077 Wilshire Blvd., Suite 506
Los Angeles, Calif. 90025
213-821-4340
Retail Prices:
\$125 MasterFORTH
\$40 Floating Point
\$60 Relocator
Available now

PortaAPL

Language interpreter



System Requirements: 512K Macintosh. Inclusions: Sample APL programs.

The PortaAPL software package is an interpreter for the standard APL programming language that contains all the primitive APL functions, system functions, and system commands given in the IBM/ACM APL standard except shared variables.

PortaAPL also contains a number of extensions to the standard APL language including a full-screen editor, the ASCII character-set option, and the Host File System Option. In addition, System functions are available for accessing many Macintosh ROM routines such as Quickdraw graphics, communications, and sound generation.

PortaAPL for the Macintosh is upwardly compatible with the IBM PC version of

*First of the second generation hard disk drives for Macintosh.

You *need* a Macbottom™ hard disk drive to enhance the power and speed of your Macintosh. Macbottom with ten plus megabytes of storage is the fastest disk you can attach to your Macintosh. And more data storage no longer means sacrificing desk space. Macbottom is the only high capacity hard disk drive system that's two inches high and fits perfectly under your Macintosh. Since it weighs less than five pounds you can take it everywhere you take Mac. Macbottom and your Macintosh are a perfect match.

Macbottom . . . designed by Mac Users . . . for Mac Users!

- Built-in power fail detection protects valuable disk data.
- Automatic turnon feature requires no extra switches.
- Connects to either modem or printer port.
- Variable size volume allocation utilizes all available space efficiently.
- Backup program makes backup foolproof and fast!
- Printer spooler frees the Macintosh™ for more work.
- Works with 128k or 512k Macintosh.
- Warranted for six months—parts and labor.



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MACWORLD Expo at booths 326 and 328.

Macintosh is a trademark licensed to Apple Computer, Inc.

Circle 18 on Reader Service Card

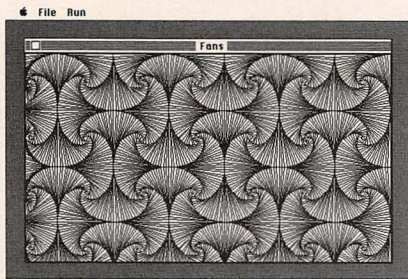
PortaAPL, released in 1984. APL programs written for the IBM PC can be moved to a PortaAPL-equipped Macintosh with few or no changes.

APL is an acronym for the A Programming Language, used for algorithmic interactive programming.

Portable Software
60 Aberdeen Ave.
Cambridge, Mass. 02138
617-547-2918
Retail Price: \$275
Available now

Rascal

Programming language



System Requirements: 128K or 512K Macintosh.

Rascal, short for real-time Pascal, is a Pascal-like language intended to be used by educators and researchers. It may also be useful in laboratory settings where a Macintosh will be coupled with traditional experimental apparatus.

A brief rundown of program features includes fast, compiled code for multi-tasking, I/O-oriented programs; an editor/compiler/linker/executor development system in a single application; built-in millisecond timing functions; support of the complete Macintosh toolbox; and more.

Other features include in-line placement for streaming 68000 code; application making, allowing any executable Rascal code to be turned into a stand-alone application; real-time mainline looping for handling screen, keyboard, and mouse

activity; and more.

Rascal was developed at Reed College, Portland, Oreg., a member institution of the Apple University Consortium.

Metaresearch, Inc.
1100 SE Woodward
Portland, Oreg. 97202
503-232-1712
Retail Price: \$99
Available now (Alpha release)

TMON

Programming utility

System Requirements: 128K or 512K Macintosh.

TMON is an interactive, multi-window monitor/debugger for the Macintosh. It provides fast implementation of windows on the screen which results in no lost information as it scrolls off the screen, allows sections of codes to be cross-referenced, and much more.

The windows are updated continuously as well, and the program includes file windows that identify all resources in all open resource files.

Other features include an interactive 68000 assembler/disassembler, heap windows, register windows, numerical conversion functions, up to seven break points, and many A000-trap functions.

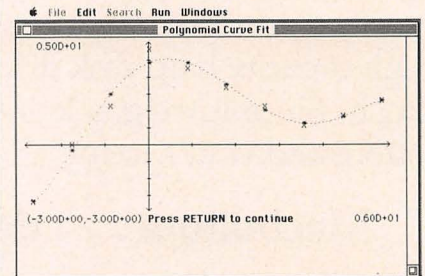
TMON allows printing to a printer, external computer, or terminal. Any window on the screen can be printed, as can heap and resource file dumps and disassemblies and dumps of arbitrarily large blocks of memory.

The manufacturer says that the product is vital for anyone wishing to do efficient and accurate software development on the Macintosh.

TMQ Software, Inc.
1110 Lake Cook Rd.
Buffalo Grove, Ill. 60090
312-520-4440
Retail Price: \$150
Available now

BASIC Programs for Scientists and Engineers

Science and engineering



System Requirements: 128K or 512K Macintosh; second drive and a printer are optional. Special Requirements: Microsoft BASIC 1.x or 2.x.

Under license from SYBEX, Inc., Footsteps Software has included several technical applications from Professor Alan R. Miller's book, *BASIC Programs for Scientists and Engineers*, on a software diskette.

The diskette includes over 30 programs and subroutines covering statistics, vector and matrix operations, simultaneous equations, complex equations, sorting and file access, data plotting, curve fitting (regression), equation solving (root finding), numerical integration, and more.

If interested, the book can be purchased direct from SYBEX or from leading microcomputer and book stores. The software can be obtained by contacting the address below:

Footsteps Software
PO Box 365, Dept. F
Cambridge, Mass. 02142
617-494-0910
Retail Price: \$35
Available now



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Introducing ThunderScan.™

Now you can turn any printed image into a detailed, high-resolution Macintosh graphic.



Just roll your original into your Imagewriter.



ThunderScan scans and digitizes the image.



Presto! A high-resolution MacPaint document.

No doubt about it, Macintosh is one great graphics machine. But until now, Mac graphics have been limited to what you can draw with a mouse and what someone else has put on a disk. Consequently, taking full advantage of Mac's graphics capabilities has been tough. But now there's ThunderScan. The new optical scanning device that lets you feed your Mac a steady diet of graphics that are useful to you.

ThunderScan turns Mac's Imagewriter printer into an image reader. So you can digitize any printed image and turn it into a detailed, high-resolution MacPaint document. Anything, including forms, half-tones, photos, mechanical drawings, maps, floorplans, logos, signatures and more. From black and white and color originals. ThunderScan reproduces them at over 200 dots per inch and in 32 shades of gray.

ThunderScan's application software, written by Mac-team-member, Andy Hertzfeld, makes it an extremely versatile and useful tool. You can gen-

erate full-page images or selected parts of them. Enlarge and reduce them. Manipulate them. Control the contrast and brightness. Create your own personal image disk. "Cut" and "paste" images together, creating new documents. And print them out on your Imagewriter. Or send them by modem to another Mac. The possibilities are nearly endless.

No lights, no camera, just action.

What you see here is the complete ThunderScan system. You don't have to buy an expensive video camera. Just pop out your Imagewriter's ribbon cartridge, snap in ThunderScan and you're set. It can even work in the dark (maybe you can think of an application for that).

If you bought a Mac at least partly for its graphics, only to find you couldn't take full advantage of them, now you can. With ThunderScan.

At an introductory price of just \$229, it's a small price to pay for a whole new graphics capability.

For more information or a ThunderScan of your own, see your dealer or call us today.

(415) 254-6581



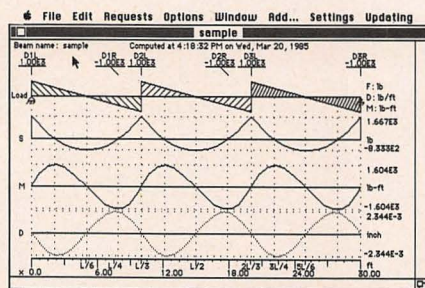
ThunderScan

Circle 19 on Reader Service Card

Thunderware Inc., 21 Orinda Way, Orinda, CA 94563

BEAMAC

Beam analysis



System Requirements: 128K or 512K Macintosh; or Macintosh XL.

BEAMAC is a stand-alone software program that allows civil and mechanical engineers to perform beam-analysis studies and takes advantage of the Macintosh user interface for all input and output.

The program can perform a graphic and numerical analysis of any statically determinate beam. Indeterminate beam analysis will be available on the version due out in June.

The program provides high-resolution graphics that display loading, shear, moment, and deflection. No approximations are used, and a stiffness matrix is available for indeterminate structures.

BEAMAC can run on a 128K Mac with a single disk drive since the program and data all fit on one disk. It will also run on a 512K machine or a Macintosh XL.

A demo disk and a manual are available direct from the program's developer for \$10. Owners of version 1.00 may receive version 1.01 free of charge by returning their original disk.

Erez Anzel
5700 Arlington Ave., Apt. 7L
Riverdale, N.Y. 10471
212-884-5798
Retail Price: \$95
Available now

The BenchTop

Laboratory control

System Requirements: 128K or 512K Macintosh.

The BenchTop turns a Macintosh into a central controlling device for up to 256 serially networked laboratory instruments.

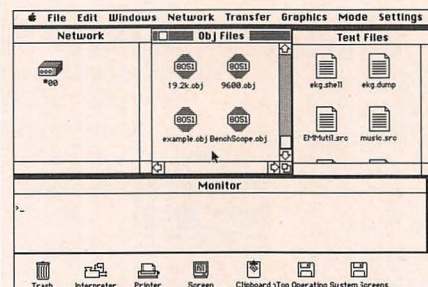
The software allows the computer to communicate with networked instruments via a built-in terminal emulator.

It also contains a command-file interpreter that can be used to create a simple program that will control all such instruments and record the data being sent. By running a command file, a user can also have The BenchTop perform more mundane processing and data-storage tasks unattended.

The BenchTop is compatible with the Rascal graphics-oriented computer language developed at Reed College in Portland, Ore. Several different Rascal programs can be run at the same time, and additional programs creating instrument panels and displays for the devices on a BenchTop laboratory hookup can be written using a Rascal compiler.

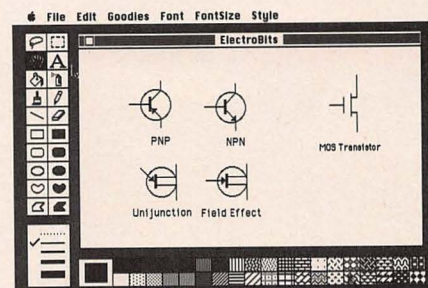
The BenchTop is also compatible with the AELM-51 software package made by Metaresearch.

Metaresearch, Inc.
1100 SE Woodward
Portland, Ore. 97202
503-232-1712
Retail Price: \$89
Available now



Electro Bits

Circuit graphics



System Requirements: 128K or 512K Macintosh.

Electro Bits is a graphics tool that employs the MacPaint function to draw circuit diagrams. A large selection of electronic elements and computer symbols is available to the user.

The program is comprised of two main sections: Hardware and Software. The Hardware section consists of an Analog and a Digital module. The Software section consists of the Flow Chart Symbols and Flow Chart Sample modules.

Any computer symbol or electronic element can be surrounded with text to create schematics and circuit diagrams, help create and edit flowcharts and assembly drawings, and add touch and emphasis to electronic designs.

All symbols and elements can be changed to different choices of sizes and styles including alignment.

Electro Bits is available in English or Spanish versions.

Medina Software
2008 Las Palmas Cir.
Orlando, Fla. 32822
305-281-1557
Retail Price: \$24.95
Release Date: June, 1985

The fastest selling, highest quality case made for the Macintosh Computer.

MacTote.™

*PrintTote for
Imagewriter
coming soon!*



Now your Macintosh Computer can leave your home or office fully protected and in style.

The **MacTote** computer case is clearly the finest carrying case manufactured especially for your Macintosh Computer, and for a number of easy-to-see reasons:

1. Padded pouch for mouse;
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3. Open, padded pouch for keyboard;
4. Side handle for easy carrying and stability;
5. Padded, Velcro handle (no snaps);
6. Padded, non-slip shoulder strap;
7. Velcro pouch for disks or accessories on side of case;
8. Zippered padded pouch for disk drive;
9. Padded pouch for accessories, modem, cords, etc., and extra padding to protect Macintosh's screen;
10. Reinforced bottom fully supports and distributes weight of Macintosh;
11. Heavy-duty nylon zippers.

Optimum Computer Luggage has extensive experience in making top-of-the-line totes and accessories and

MacTote is the latest in a long line of beautiful and functional luggage. Made



of long-wearing and completely water-resistant Cordura, **MacTote** gives you every feature you'll ever need for carrying your Macintosh and peripherals.

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9005 Complex Drive
San Diego, CA 92123

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Circle 20 on Reader Service Card

Engineering Tool Kit

Engineering data; graphics

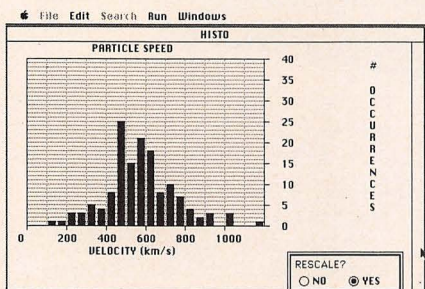
System Requirements: 128K or 512K Macintosh. Special Requirements: Microsoft BASIC 2.0.

Engineering Tool Kit is used to record numeric engineering data, translate data into graphics form, and generate statistical reports.

The program takes advantage of the Macintosh mouse, dialogue boxes, and provides the following graph types: trend charts, histograms, and scatter plots with optional best-fit curves.

The Engineering Tool Kit also provides statistical functions such as multiple linear regression and analysis of variation, and features a scientific calculator with logarithmic, arithmetic, and trigonometric computational capabilities.

SofTools
PO Box 8751
Boise, Idaho 83702
208-343-1437
Retail Price: \$99
Available now



Farm Management

Production; marketing

System Requirements: 128K or 512K Macintosh. Special Requirements: Microsoft BASIC.

Commodities Charting, Cash Crop Breakeven, and Farm Bookkeeping are three software programs in the Compulize series designed to assist agricultural producers with production and marketing decisions.

Compulize Commodities Charting is based on the theory that two-thirds of all farm crops are sold in the bottom one-third of the market. It is designed to help a user sell crops in the top third of the market.

The program allows a user to track information concerning a number of commodities using data entered by hand or telecommunicated from an outside source. It can be used to determine moving averages, trends, internal strength, and more, and it also prints a variety of graphs.

Compulize Cash Crop Breakeven helps a user determine the most profitable crop to be grown on any given field. It can be used to calculate production costs by pound, bushel, or ton and total cost per acre, profit per acre, break-even yield, and selling price.

The program also calculates break-even cash rent and purchase price for land and the future value of a crop.

Compulize Farm Bookkeeping combines farm record keeping with enterprise analysis. The accounting side of the program is a modified double-entry system; a user makes a transaction into the affected account and the program makes the offsetting entry.

Reports produced with this program include account, crop, livestock, field, lot or bin, and balance sheet and profit/loss, which helps determine overall financial position.

The enterprise side of the program identifies the costs to raise each bushel or head, cost per bushel or head, and the cost to grow an entire crop or to raise a

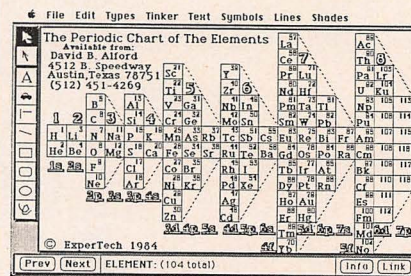
whole herd of livestock. Enterprise analysis can also be broken down into farms, fields, or lots.

Hutch Computer Industries
555 Third Ave. NW
Hutchinson, Minn. 55350
612-587-2940

Retail Prices:
\$395 Commodities Charting, Microsoft BASIC
\$129 Cash Crop Breakeven
\$695 Bookkeeping, Microsoft BASIC, and Cash Crop Breakeven
Available now

Knowledgedisk

Periodic Chart of the Elements
templates for Filevision;
teaching aid



System Requirements: 128K or 512K Macintosh; Filevision data-base program. Various information sheets.

The first program disk in the Knowledgedisk software line contains a series of templates that run on the Filevision data-base program made by Telos Software.

These templates are based on the Periodic Chart of Elements, a listing of chemical elements arranged according to their atomic numbers. They are designed to be interactive, educational teaching aids for students in elementary chemistry classes.

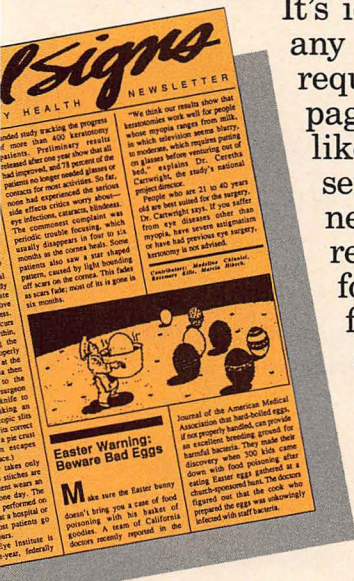
Enclosed with the software is a series of

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It's ideal for any project requiring page layout, like a presentation, newsletter, report, form, flyer, slide or ad.



accurate positioning not possible with the mouse alone.

Keyboard text from scratch or bring it in from other Mac programs. Either way, you get full text editing features with the ability to change font, style and size at any point.

ReadySetGo supports all Mac fonts including real typefaces like Times™ and Helvetica™ and all sizes 1 thru 99. When you edit text or resize a block, the display instantly updates and text automatically refits the block.

Use graphics blocks to make frames, solids or pictures. And bring in graphics from other Mac programs. Move and resize graphics blocks just like text blocks.



Create a page of any standard size and use show page for a scaled view of the entire page. Show page updates continuously as your work progresses.

Store pages on disk as full documents or as layouts which can be used for future projects. Print finished pages on the ImageWriter™ or on the Laser-

Writer™ for superb publication quality output.

At just \$125 ReadySetGo is truly the first of its kind. Visit your local dealer or call us at 212-989-6442 for the store nearest you.

Build pages dynamically from blocks containing text or graphics. Move the blocks around the page and resize with the mouse. There's a ruler for visual positioning but a unique specification sheet gives each block's exact design and allows very

ReadySetGo™
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The Ultimate Page Processor™

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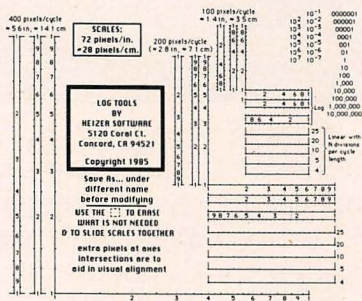
ReadySetGo requires a 512K Mac. ReadySetGo and "The Ultimate Page Processor" are trademarks of Manhattan Graphics Corporation. ImageWriter and LaserWriter are trademarks of Apple Computer, Inc. Times and Helvetica are trademarks of Allied Corporation. ©1985 Manhattan Graphics Corporation, 163 Varick Street, New York, N.Y. 10013 212-924-2778.

information sheets describing the two versions of the Periodic Tables included on the diskette. Also included is an interview with Guy Kawasaki of Apple Computer, Inc., giving his views on the start-up industry of Filevision data-base templates.

Expertech
4512 B. Speedway
Austin, Texas 78751
512-451-4269
Retail Price:
\$29.95 If no disk is provided
\$25 If a disk is sent along with order
Available now

LogarithMac

Logarithm templates



System Requirements: 128K or 512K Macintosh.

LogarithMac is a three-disk package that includes 76 MacPaint logarithm templates covering most logarithmic-function graphing requirements.

The software is directed toward a specialized market including scientists, engineers, and economists, and it also has

many practical business applications.

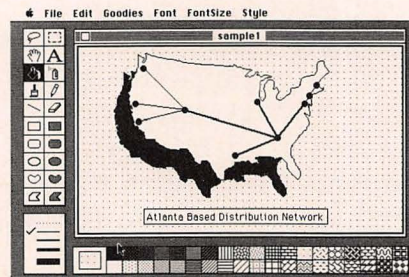
The templates come in different sizes and in combinations of cycles and various orientations. Some are as large as an 8 by 10-inch MacPaint page. The larger layouts allow more detail to be shown and more visible presentation graphics to be created.

A special feature of LogarithMac is its Log Toolbox, which allows a user to prepare any chart not covered by the included templates. The Toolbox, as well as the 76 templates, also eliminates the necessity of calculating and counting out complicated logarithmic scales pixel by pixel.

Heizer Software
5120 Coral Ct.
Concord, Calif. 94521
415-827-9013
Retail Price: \$39.95
Available now

MacAtlas, Volume 1

Geographical maps



System Requirements: 128K or 512K Macintosh. Special Requirements: MacPaint.

Volume 1 of MacAtlas is the first of a four-part series of clip-art MacPaint documents. Each program disk in the series will contain approximately 15 documents (over 300K) of professionally designed and edited outline maps.

Volume 1 consists of the United States depicted in three sizes: 8 by 10, 5 by 7, and several clipboard sizes for easier transfer between Macintosh applications. Each size shows national borders, census

regions, census divisions, and states.

Each map outline in the MacAtlas series may be used as is or enhanced with MacPaint in order to display different data distributions, and all may be printed out on an Imagewriter or LaserWriter printer.

Volumes 2, 3, and 4—available later this year—will include maps of the world, outlines of all continents showing individual countries, and maps of all U.S. states divided by counties.

Micro:Maps
PO Box 1353
Morristown, N.J. 07960
201-658-4333
Retail Price: \$79
Release Date: June, 1985 (Volume 1)

Mac Bar Code Printing Program

Label maker

System Requirements: 128K or 512K Macintosh. Special Requirements: Imagewriter printer.

The Mac Bar Code Printing Program allows a user to print bar-code labels in a wide range of sizes, densities, and with a variable number of characters on an Apple Imagewriter printer.

The program can be purchased along with a bar-code reader, made by the same manufacturer.

TPS Electronics
4047 Transport St.
Palo Alto, Calif. 94303
415-856-6833
Retail Price: \$50 with purchase of bar-code reader
Available now

MacCAD

Drawing templates; engineering

System Requirements: 128K or 512K Macintosh. Special Requirements: MacDraw.

MacCAD is a series of 12 separate software templates that can be used with MacDraw to speed up and ease the process of producing professional-looking engineering drawings.

Each package contains drafting tools or The MacDrafter Toolkit (which may also be purchased separately), drafting symbols, and specific drafting information.

The 12 template packages in order are: The MacDrafter Toolkit; The Home Designer; Architectural Design; Mechanical Design; Printed Circuit Design; Electronic Design; Ruled Isometric Sheets With Ovals; Flow Charts And Logic; Office, Store, And Restaurant Layout; Single Line Orthographic Piping; Two Line Orthographic Piping; and Single Line Isometric Piping.

The MacDrafter Toolkit contains protractors, triangles, drafting sheets with title blocks, drafting symbols and abbreviations, dimension and tolerance symbology, and a drawing-scale selector guide.

CompServCo
800 Freedom Ln.
Slidell, La. 70458
504-649-0484
Retail Price: \$30 to \$120 per package
Available now

MacComp

Composition and publishing system

System Requirements: 128K or 512K Macintosh. Inclusions: All hardware and software.

MacComp is a complete Macintosh hardware and software system that enables a user to compose both text and graphics in camera-ready form for publication or photocopying purposes. When used with Apple's LaserWriter printer, it can make originals that appear to have been professionally typeset.

The system permits one, two, or three columns of text to be intermixed with pictures. It also allows files to be input from MacWrite and MacPaint as well as from its own, built-in word processor.

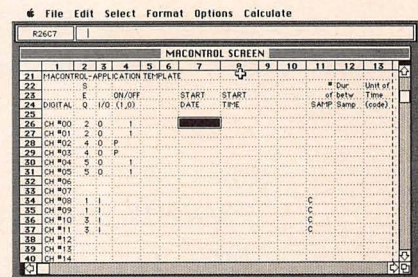
In addition, the MacComp system contains an electronic ruler; a through-the-lens camera; a scissor pointer that allows a user to clip a column of text into fragments or carryovers; a separate format menu, layout menu, and print menu; as many open windows as desired; and a minipage and dummy with miniatures of page-makeup layouts.

The MacComp system can be used to produce newsletters, brochures, annual reports, direct-mail fliers, resumes, advertising publications, proposals, catalogs, technical manuals, and so on.

Infotek, Inc.
56 Camille Ln.
East Patchogue, N.Y. 11772
516-289-9682
Retail Price: \$6,499 and up
Available now

MacControl

Data acquisition; laboratory control



System Requirements: 128K or 512K Macintosh; or Macintosh XL running MacWorks XL. Special Requirements: Imagewriter printer and hard disk recommended. Inclusions: Microsoft Multiplan.

The MacControl software package includes the same data-acquisition capabilities and control of laboratory instruments and industrial sensors as its sister package, the Macquisition program.

Applications can be defined using a Multiplan spreadsheet template, corresponding data can be collected, and that data can be reduced for inclusion in reports or charts.

MacControl, however, also allows a user to set up more controlled logic parameters with decision criteria, and collect statistics on the results.

Small Business Computers of New England, Inc.
4 Limbo Ln.
PO Box 397
Amherst, N.H. 03031
603-673-0228
Retail Price: \$695
Available now



Announcing the only devoted entirely to

*Sponsored by MACWORLD,
the Macintosh Magazine,
August 21-23, 1985, Bayside
Exposition Center, Boston*

The second standard in business computing has arrived, and it's called the Macintosh Office. The power, flexibility, and ease of use of the Macintosh offer you the alternative you've been waiting for. And the introduction of the Macintosh Office provides all levels of business with a choice.

The Macworld Exposition is your chance to see it all in one place—software, hardware, and peripherals developed for the Macintosh. See for yourself the products available now that will help you work faster, easier, and smarter.

All of the elements of the Macintosh Office will be on display. The 512K Macintosh, the LaserWriter, and AppleTalk™, as well as Jazz™ from Lotus®, are just a few of the products you'll get to see.

The Macworld Exposition has a targeted schedule designed to fit your busy schedule. As a dealer, a distributor, a retailer, a business user, or an educator, the three-day conference and exposition is designed for you.

Day one is for dealers, distributors, retailers, and other third-party vendors to talk to Apple and the 100+ exhibiting companies about their products.

Days two and three are specifically geared for people interested in the Macintosh as a tool for business and anyone else interested in the Mac.

Who should attend?

Industry: Dealers, distributors, retailers, wholesalers, manufacturers, systems houses, consultants, technical programmers, all other ISOs

Business: CEOs, presidents, vice presidents, managers, comptrollers, owners/partners

Professionals: Doctors, nurses, bankers, lawyers, engineers, stockbrokers, real estate and insurance agents, CPAs, consultants

Education: Administrators, faculty, students

Here's a look at some of the conference sessions designed for you:

- The Outlook for the Mac in the Office
- Developing Software for the Macintosh
- How to Start and Survive in Business with a Macintosh
- Maximizing MacPaint®
- The Mac Clinic
- A Guide to Better Business Graphics
- Maximizing MacWrite®
- Database Management on the Macintosh
- Getting the Most out of Spreadsheet Programs
- How to Get Your Programs Published
- What's Available in Mac Software
- File Management Tips and Techniques
- Maximizing Macintosh Disk Storage
- The Mac in the Classroom
- The Mac in Higher Education
- Developing University Courseware with a Macintosh

computer show the Macintosh™

Here are some of the companies who will be showing Macintosh products:

Advanced Logic Systems
Aegis Development
Ann Arbor Softworks
A+ / Ziff-Davis Publishing Co.
Apple Computer, Inc.
Applied Logic Systems
Apropos Software, Inc.
Artline Industries
Assimilation, Inc.
Blue Chip Software
Boston Software
Brain Power, Inc.
Cadmus Computer Systems
The Cobb Group
Communications Packaging Corp.
Computer Additions
Computer Identities
Computer Learning Systems
Computer Shopper
Computer Software Designs, Inc.
The Computer Store
Corvus Systems, Inc.
Consulair Corporation/
T/Maker
Creighton Development, Inc.
Diablo Valley Design
Divisions, Inc.
EDP Supply North
Enterset
Esoft Enterprises
ExperTelligence
Express Computer Supplies
First Byte, Inc.
Forethought, Inc.
Fronrunner Computer Industries
Future Design Software
General Computer Company
Haba Systems
Hayden Book Company
Hayden Software

Hayes Microcomputer Products
Hippopotamus Software
Icon Publishing
ICON Review/Mindwork
Infosphere, Inc.
InfoWorld
Innovative Technologies/
Communications
Intermatrix, Inc.
Intersol
Iomega Corp.
The Kette Group
I/O Video
Kraft Systems
Layered, Inc.
Living Videotext, Inc.
Loki Engineering, Inc.
Lotus Development Corp.
Mac Packs, Inc.
MacTutor
MACWORLD
Micro Design
Micro Marketworld
Miles Computing, Inc.
Microsoft
MPH Computer Products
Mycroft Labs, Inc.
New Line 7
Odesta Corporation
Optimum Computer Luggage
Organizational Software Corp.
Palantir Software
Paradise Systems, Inc.
PBI, Inc.
Peripheral Computers &
Supplies
Peripheral Systems
Personal Computer Peripherals
Prometheus Products, Inc.
ProVUE Development Corp.
Queue, Inc.
Scott, Foresman & Co.
Servidyne Micro Systems, Inc.

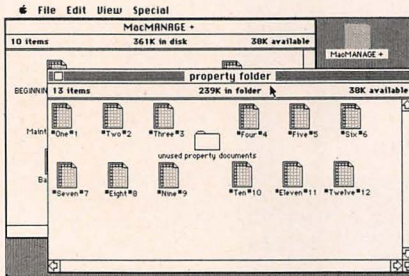


Sierra Information Systems
Silicon Beach Software
Small Business Computers of
New England
SofTech Microsystems
SoftIdea
Software Arts, Inc.
SoftWeave
Softworks Limited
Stoneware
Sunol Systems
Systems Control
Tecmar, Inc.
Telos Software Products
Video 7
Warner Software

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**MACWORLD
EXPOSITION®**
BOSTON

MacManage+ Property management



System Requirements: 128K or 512K Macintosh; two disk drives; printer recommended. Special Requirements: Microsoft Multiplan.

MacManage+ allows a small management company or private individual to keep current, detailed accounting and maintenance records on single-family rental dwellings. Up to 12 properties can be maintained on each diskette.

The program, which works in conjunction with Multiplan, comes with nine separate working documents, a folder containing numbered properties, and a property template.

The nine MacManage+ working documents are Property Directory; Rent; General Expense; Schedule E or supplemental income schedule; PITI or point of entry for principal, interest, taxes, and insurance; Depreciation; Maintenance-Folks; BankFolks; and Beginning MacManage+, a user's aid that can be referenced at any time.

Multiple-family dwellings may be accommodated by adjusting the Property Directory document accordingly.

MacManage
1225 1/2 East 19th St.
Tulsa, Okla. 74120
918-585-3079
Retail Price: \$85
Available now

MacMOS

Electronic schematics

System Requirements: 128K or 512K Macintosh.

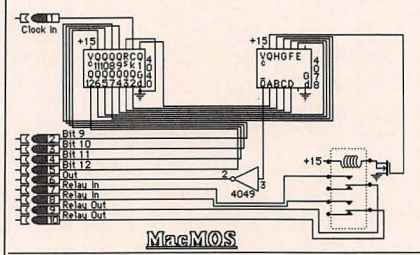
MacMOS is a software pictorial tool that can be used for the creation of electronic schematics. Engineers and/or hobbyists can use the program to design and draft their own discrete and CMOS semiconductor designs.

All of the program's more than 250 self-contained images are based on standard electronic-design templates or its manufacturer's CMOS chip layout standard, which allows a user to create designs around a rectangular image that contains a two-letter mnemonic for pin designations.

The rectangle can also be used for board layouts when breadboarding circuits for experimental work.

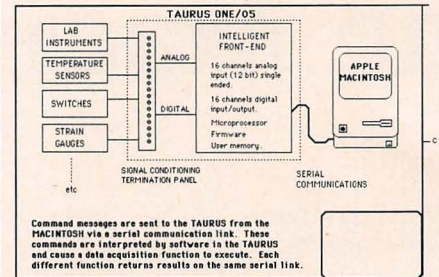
The two-letter mnemonics contained in MacMOS are based on a compilation and standardization on many semiconductor manufacturers' data specifications. This library was designed to also complement the MacChip program, made by the same manufacturer.

Princeton Research Software
PO Box 2398
Princeton, N.J. 08540
Retail Price: \$39.95
Release Date: Third quarter, 1985



Macquisition

Data acquisition; laboratory control



System Requirements: 128K or 512K Macintosh; or Macintosh XL running MacWorks XL. Special Requirements: Imagewriter printer and external disk drive recommended. Inclusions: Microsoft Multiplan.

The Macquisition software program can be used to collect data from and control laboratory instruments or industrial sensors.

Data-acquisition applications can be set up on the program via an included Multiplan spreadsheet template. Macquisition then collects data as described, and returns it to another template ready for reduction into reports or charts.

The following items may be defined on the Multiplan template: Sequence For Collecting Data by channel type and number; Number Of Samples To Be Taken defined for each channel; Duration Between Samples in milliseconds, seconds, minutes, and hours; Output Template Information, where to put data; Criteria for branching to a new sequence; and Results Desired, raw data or summary statistics of all the data.

Small Business Computers of New England, Inc.
4 Limbo Ln.
PO Box 397
Amherst, N.H. 03031
603-673-0228
Retail Price: \$450
Available now

Mac.Stat.Pak

Statistical analysis

System Requirements: 128K or 512K Macintosh; or Macintosh XL. Special Requirements: Microsoft BASIC 2.0.

Mac.Stat.Pak is not a statistical tutorial. It is a software tool that can be used by engineers, mathematicians, hobbyists, and others to simplify calculations and for the statistical analysis of data.

Mac.Stat.Pak is distributed by a method known as "freeware", in which a user is invited to copy the disk and give the copy to anyone who wants it. The manufacturer asks that all who use the program pay for it.

As with most unprotected software, the package is sold with no expressed or implied warranty. Users discovering problems are asked to notify the manufacturer so these problems may be corrected in future editions.

In addition, programmers are invited to write and send their applications, which may be included in a future version of Mac.Stat.Pak. Proceeds will be divided in proportion to the amount of usable code received.

Scientific MicroPrograms

213 Merwin Rd.
Raleigh, N.C. 27606
919-851-8111

Retail Price: \$50 (evaluation copies available from CompuServe)

Available now

Marshall Flowcharting Templates

Flowchart creating

System Requirements: 128K or 512K Macintosh.

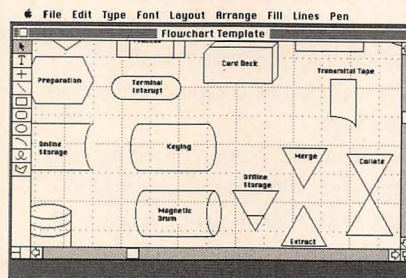
The Marshall Flowcharting Templates disk contains a number of ISO and ANSI flowcharting symbols for use in creating flowcharts. A short user's guide is also included.

Marshall Consulting Services

PO Box 2060
Glendora, Calif. 91740
213-948-3222

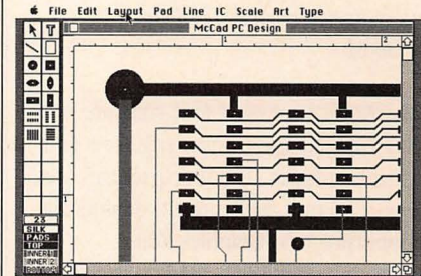
Retail Price: \$16 plus disk

Available now



McCAD

Circuit-board design



System Requirements: 128K or 512K Macintosh; or Macintosh XL running MacWorks XL. Special Requirements: Printer or plotter.

McCAD allows a personal or industrial user to create computer-assisted, circuit-board artwork on a Macintosh via a mouse or graphics tablet.

Output can be produced on either an Apple Imagewriter printer, LaserWriter printer, or ink plotter.

VAMP, Inc.

6753 Selma Ave.
Los Angeles, Calif. 90028
213-466-5533

Retail Price: \$395

Available now

McCAD

Electrical engineering

System Requirements: 128K or 512K Macintosh.

McCAD is a series of four software programs targeted at electrical engineers and engineering types. The four packages are: Schematic Entry, PCB Layout, Analog/Digital Simulator, and Graphics Editor.

Schematic Entry will allow a user to create, modify, and print out an electrical schematic. Optional utility support will include Netlist Extraction, List of Materials, Design Checks, and Plotter Drivers.

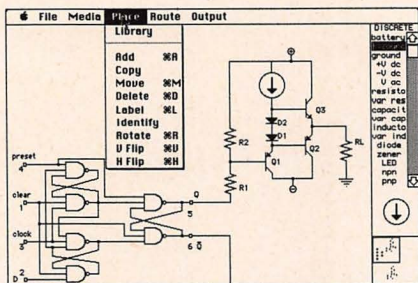
PCB Layout will let a user lay out single-sided, dual-sided, or multilayered printed-circuit boards. The user can create a freehand layout from the Schematic Entry data base or from the Netlist utility.

Analog/Digital Simulator is to be an advanced SPICE-like simulator, and Graphics Editor will allow a user to design a CMOS circuit using Array, Standard Cell, or full-custom CMOS technology.

Program availability is staggered from September, 1985 to the first quarter of 1986.

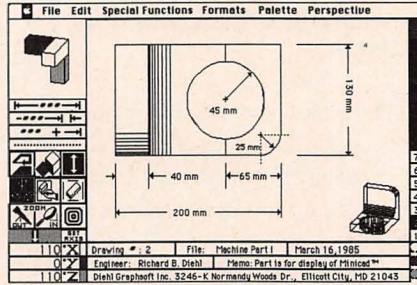
Advanced Engineering Solutions, Inc.
3393 Iris Ave., Suite 109
Boulder, Colo. 80301
303-442-2910

Retail Prices: \$100 to \$300 Each
Release Date: September, 1985 to first quarter, 1986



Minicad Auto-Dimensioner and Formatter

Computer-aided drafting



System Requirements: 128K or 512K Macintosh. Special Requirements: Minicad 3D-Designer. Inclusions: Newsletter subscription.

The Minicad Auto-Dimensioner and Formatter turns the Minicad 3D-Designer program, from the same manufacturer, into a high-quality, computer-aided drafting package.

The Formatter portion of the program accepts three-dimensional object files created with Minicad 3D-Designer, and transforms one or more views of these objects into a single, drafting-style document. Views may be top, side, front, or orthogonal.

The Auto-Dimensioner portion may be used to add dimensional and supplemental lines, and it will also round or convert fractions and convert between yards, feet, and inches, and standard metric units.

Like the Minicad 3D-Designer, the Minicad Auto-Dimensioner and Formatter can rotate and view an object from any position, and it supports view modes such as wire-frame, solid, and shaded objects.

Diehl Graphsoft, Inc.
3246-K Normandy Woods Dr.
Ellicott City, Md. 21043
301-461-9488

Retail Price: \$295
Release Date: August, 1985

Minicad 3D-Designer

Three-dimensional objects

System Requirements: 128K or 512K Macintosh; or Macintosh XL with MacWorks XL.

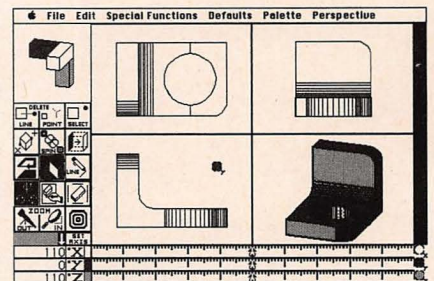
Minicad 3D-Designer is a computer-aided design (CAD) software package that allows a user to create three-dimensional objects on a 128K Mac, 512K Mac, or Macintosh XL.

Users may build objects from polygons and line segments with eight-digit precision per data point in height, width, and depth. Drawings may contain over 250 data points on the 128K Mac and over 2,500 on either the 512K Mac or Macintosh XL, and all objects can be rotated and displayed from any viewpoint.

In addition, Minicad can reduce or enlarge objects or parts of objects, store them in its own file type, or output a particular view in a MacPaint file document. MacPaint can then be used to further enhance the picture.

Oversized documents can be produced by printing 8½ by 11-inch sections on an Imagewriter printer. Minicad can be used alone or with the Minicad Auto-Dimensioner and Formatter.

Diehl Graphsoft, Inc.
3246-K Normandy Woods Dr.
Ellicott City, Md. 21043
301-461-9488
Retail Price: \$295
Release Date: June, 1985





How to Keep Your MacintoshTM from Frying to a Crisp

Protecting Your Hardware From The 6,000 Volt Destroyer

Over 50% of all hardware and software complaints received by manufacturers have nothing at all to do with product quality. To the contrary, most damage reported is caused by surges in household or business current.

These surges continually degrade sensitive microcircuitry resulting in lost data and, even worse, computer repairs that are often mistakenly blamed on original equipment failure.

30,000 Volts At The Tip Of Your Finger

Another common danger to the computer, its peripherals and software, is static electricity. Few people realize that their bodies can carry as much as 30,000 volts of static.

The discharge of static electricity through the operator's fingertips can pose just as great a threat to your system as power line surges.

The Faulty Ground

In addition to operator safety, a properly grounded computer is better able to drain off charges that would otherwise create dangerous voltage levels between the computer's chassis and microcircuitry. Again, the operator is typically not aware of whether the outlet is properly grounded and therefore risks both the operator's safety and hardware damage.

RFI Can Play Havoc With Your Image

While RFI (Radio Frequency Interference) is not a source of damage to computer or operator, it can play havoc with the monitor image and to software. RFI is caused by nearby radio stations, the operator's own radio or television, as well as other electrical devices. RFI shows up on the monitor as a scrambled image and may also appear as data that has been garbled while in memory. If for no other reason, the computer operator should guard against RFI simply because its effect can nullify the time saving benefits provided by the computer.

MacGard: Real Protection For The Serious User

MacGard from Systems Control is the single most complete computer protection device available today. From its inception, MacGard was designed with Macintosh in mind. From its quality injection molded plastic casing which compliments your Macintosh's appearance, its at your fingertips convenient placement on the side of your unit, and its combination of superior protection features, the MacGard is the ultimate system accessory for your Macintosh.

MacGard provides the serious user with a complete series of protection benefits.

- It clamps off all line to line and line to ground surges *before* they can enter your system.
- It provides an anti-static pad you need only touch to safely drain off harmful static.
- It provides an LED light to indicate proper ground of your electrical outlet.
- It provides RFI attenuation to assure a clean monitor image and software safety.
- A master on-off switch provides convenient control to power up your computer and two other peripherals.
- MacGard has a one year limited warranty.
- If you're not satisfied within 30 days, return MacGard for a full refund.

If you're a serious user, you owe it to yourself to own a MacGard. Your MacGard can only be purchased directly from Systems Control. Cost of the MacGard is \$89.95 plus \$3.50 for shipping and handling. To order or request more information, call toll free, 1-800-558-2001 Ext. 115, in Wisconsin, 1-800-242-3102 Ext. 115. We accept both Visa and MasterCard. No. C.O.D.

Systems Control PO. Box 788 M Iron Mountain, MI 49801

MacGard looks and works equally well with the APPLE II, APPLE II+, APPLE IIe, APPLE III, and the APPLE LISA.

MacGardTM

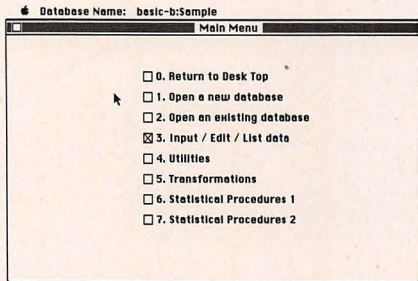
Circle 22

A product of Systems Control. A division of M.J. Electric, Inc. Macintosh is a trademark licensed to Apple Computer Inc.

MacGard is designed to surpass operating requirements for category A as outlined in IEEE Standard 587-1980, "Guide for Surge Voltages in Low-Voltage AC Power Circuits."

Number Cruncher Stat Systems

Statistical analysis



System Requirements: 128K or 512K Macintosh. Special Requirements: Microsoft BASIC 2.0.

The Number Cruncher Stat System provides a user with statistical procedures, data management, a data base, regression analysis, analysis of variance, nonparametric tests, contingency tables, plots, and transformations.

Its statistical procedures include multiple regression, correlation, cross tabulation, t-tests, and univariate statistics. The program's data-management capabilities include ASCII file input, file sorting, file subsets, and missing values; and its data base can hold up to 32 variables and 32,000 observations.

Available regression-analysis techniques include regression estimates, standard errors, regression through origin, and stepwise regression. Analysis of variance includes one-, two-, three-, and four-way factorials, and nonparametric tests include a sign test, and Wald-Wolfowitz runs test.

Contingency tables include analysis of discrete or continuous data, value labels, chi-square tests, and more; available plots include line printer plots, and plot overlaying.

Number Cruncher Statistical Systems
865 East 400 North
Kaysville, Utah 84037
801-546-0445
Retail Price: \$149
Available now

NWA Quality Analyst

Capability studies; process control

System Requirements: 128K or 512K Macintosh.

NWA Quality Analyst can be used for both process capability studies and ongoing process control. It includes charting, data management, and common statistical functions, interfaces with other software applications such as word processors, data bases, and spreadsheets.

The program generates standard control charts and comes with the following charting features: user-specified chart formatting; user-defined identification of subgroups such as date, time, shift, operator, etc.; and more.

Data-manipulation and management capabilities include provisions for flexible date/time formatting; the ability to sort/select data by any parameter; a file interface to any ASCII, DIF, or SYLK file; file merging and report formatting.

In addition, NWA Quality Analyst features descriptive statistics, means and means testing, standard deviation, standard error, a random-number generator, scatter-plot graphing, and other statistical tools.

Northwest Analytical, Inc.
520 NW Davis St.
Portland, Oreg. 97209
503-224-7727
Retail Price: \$495
Available now

OR-D Dental Management System

Dental-office management

System Requirements: 128K or 512K Macintosh. Inclusions: All hardware and software.

The OR-D Dental Management System monitors a patient from initial entry into a dental office through complete treatment history. It handles personal data, billing, insurance claims and copayments, patient recalls, referrals, prescriptions, statistics, marketing lists and labels, accounting, word processing, and more.

The system includes a Macintosh computer, Winchester hard-disk drive, printer, a voltage spike and RF protector, all system software, installation, training, telephone support, and free updates during the first year of ownership.

The OR-D system comes in two modes, with the option to change from one to another. They are a single-user system in one office with one computer, and a multi-user system with up to 64 separate workstations located within one office or at a distance via telephone communications.

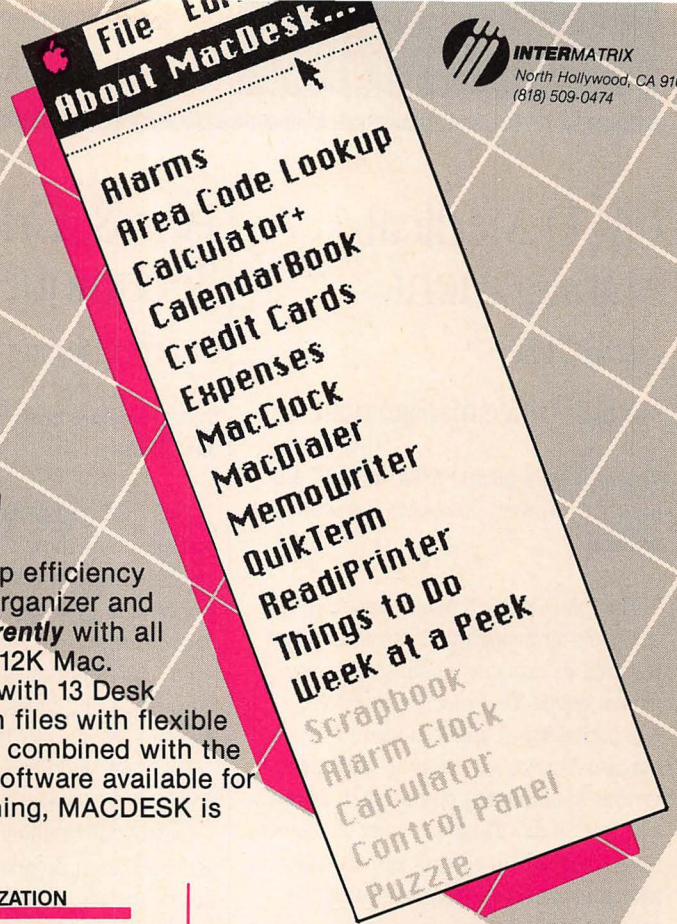
DVI-OR USA, Inc.
One Martin Ave.
Cherry Hill, N.J. 08002
609-665-6733
Retail Price: \$3,500 (lease plan available)
Available now

Does your Apple menu look like this?

Ours does.

Now your Apple® menu becomes the key to desktop efficiency with MacDesk™—the first fully integrated desktop organizer and telecommunications manager that operates *concurrently* with all other Macintosh™ programs, on either the 128K or 512K Mac. MACDESK is not only a *super organizer* integrated with 13 Desk Accessories, but also includes personal information files with flexible reporting and print-out capabilities. All of which are combined with the most extensive telecommunications management software available for the Macintosh. No matter what program you're running, MACDESK is always just a click away.

INTERMATRIX
North Hollywood, CA 91601
(818) 509-0474



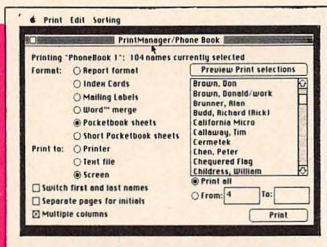
INFORMATION MANAGEMENT

Filing:

Information about business and personal contacts are maintained by MACDESK as a set of electronic index cards. These files are fully-integrated with the other functions and accessories of MACDESK, including PrintManager and MacDialer. Information from these files provide MACDESK with information for sorting lists, auto-dialing, time-billing and more. Notes, memos and ideas can be filed for future retrieval along with the various data files created by MACDESK's many accessories.

PrintManager:

The MACDESK PrintManager utilizes the Personal Information Files to create all types of useful print-outs including hard-copy index cards, mailing labels, phonebook pages and even provides mail merge with Microsoft Word™. PhoneBooks and Week-at-a-Peek can be printed in pocketbook format.



PrintManager offers a wide range of sorting and report generating features.

MacDesk is a trademark of Intermatrix. Apple and Apple logo are registered trademarks of Apple Computer Corp. Macintosh is a trademark licensed to Apple Computer Corp. MacWrite is a trademark of Apple Computer Corp. Multiplan and Word are trademarks of Microsoft, Inc. FileVision is a trademark of Telos products.

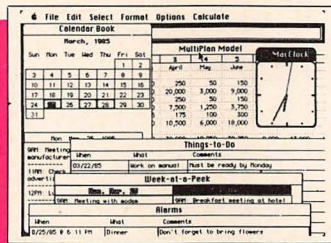
* Phone sold separately.

Circle 23 on Reader Service Card

DESKTOP ORGANIZATION

Time Management:

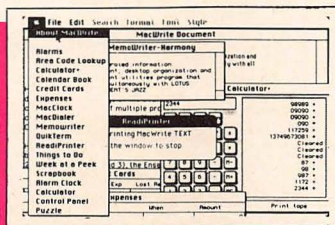
- **CalendarBook:** A daily appointment calendar good through the year 2030.
- **Alarms:** Multiple appointment alarms.
- **Week-at-a-Peek:** A seven-day scheduler with last, present and next week's appointments and events.
- **Things-To-Do:** A list of important tasks or projects.
- **MacClock:** An analog clock with a sweep-second hand.



Here's MacDesk's Time Management accessories running over Multiplan.

Desktop Utilities:

- **MemoWriter:** A mini-word processor that is both MacWrite and Microsoft Word compatible.
- **ReadPrinter:** Prints MACDESK data and Macintosh text files in the background without tying-up the Mac.
- **Calculator+:** A powerful multi-function business calculator featuring paper-tape to screen and printer.
- **Expenses:** Maintains an accurate record of business and travel expenses.
- **Credit Cards:** A record of credit card information.



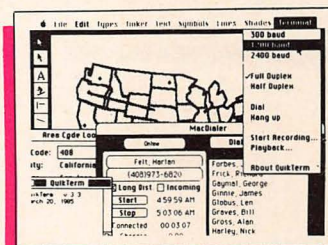
Some of MacDesk's utilities stacked up over MacWrite.

TELECOMMUNICATIONS

MACDESK offers some of the most advanced telecommunications management features available for the Macintosh. Telephone and modem operations are provided in the "background" even while running other programs.

Telephone:

- **MacDialer:** Multiple phone directories are automatically created from the MACDESK electronic index files. Auto-dialing capabilities for most standard personal and business *multiline* telephones with the proprietary PhoneLink interface device.*
- **Area Code Lookup:** Instantly provides the state, region and time zone for all area codes within the northern hemisphere.
- **PhoneLog:** Automatic logging of phone calls, both *incoming* and *outgoing*, as to number and person called, date, duration and phone charges. Applicable professional fees are computed and important notes regarding the call are appended. Search and sort features offer advanced time-billing capabilities.



MacDesk advanced telecommunications features run simultaneously in the "background" with FileVision.™

Modem:

- **QuikTerm:** A Hayes compatible communications program that operates at either 300, 1200 or 2400 baud. The ability to configure QuikTerm to use either the *modem* or *printer* port is an important feature to hard disk users. QuikTerm will send files that have been prepared in MemoWriter for easy text editing and file handling.

OR-D Medical Management System

Medical-office management

System Requirements: 128K or 512K Macintosh. Inclusions: All hardware and software.

The OR-D Medical Management System generates all necessary forms and reports required to expedite administrative and patient needs for a medical practice.

A partial list of applications includes a per-visit invoice and monthly statement; various management reports such as 90-, 60-, and 30-day aging; provider and procedure management reports and statistics; an insurance management system that can produce insurance forms, handle copayments, and track company payments; patient profile management; and a referral report.

In addition, the system can maintain up to 5,000 active accounts and provide information on up to 25,000 patients, 250 medical codes, 500 insurance companies, and 35 providers.

The complete OR-D system includes a Macintosh, a Winchester hard-disk drive, a dot-matrix printer, an electronic voltage spike and RF protector, all system software, installation and training, and one year of free updates. It can be configured as either a single or multi-user system.

DVI-OR USA, Inc.
One Martin Ave.
Cherry Hill, N.J. 08002
609-665-6733
Retail Price: \$3,500 (lease plan available)
Available now

Pert & Critical Path Techniques

Project planning

System Requirements: 128K or 512K Macintosh.

The PERT and Critical Path Techniques package shows how to use network models for project planning and control, and how to develop PERT and critical-path models.

Program input includes activity descriptions, costs and times, and starting and finishing events, etc. PERT identifies the critical path and gives the probability of finishing on schedule.

Capable of handling a large volume of activities, each program can be updated during the life of the project.

Output is in the form of printouts, and Gantt charts are not provided.

Lionheart Press, Inc.
PO Box 379
Alburg, Vt. 05440
514-933-4918
Retail Price: \$85
Available now

Profit Tool

Telephone marketing

System Requirements: 128K or 512K Macintosh. Inclusions: My Line Opener hardware unit.

Profit Tool is designed for any individual who uses the telephone to sell products and services or to gather information. It comes with a hardware device called My Line Opener, which places outgoing calls quickly and accurately.

At the beginning of each call a script of dialogue and questions appear on the computer's screen. The caller asks the questions and fills in all responses with the aid of a mouse or the computer's keyboard. All results can be recorded for immediate or follow-up analysis.

In addition, Profit Tool can be used by business organizations that conduct public-opinion and marketing surveys via telephone. Users can choose between multiple responses, single responses, or standard fill-in-the-blank responses to survey questions.

Profit Tool can also be used for personal, administrative, and educational applications.

Prophecy Development Corp.
308 Boylston St.
Boston, Mass. 02116
617-266-1825
Retail Price: \$1,195
Available now

Real Estate Investor II

Property-investment and cash-flow analysis

System Requirements: 128K or 512K Macintosh.

Real Estate Investor II is a software program that can help a user make better property-investment decisions by producing and studying income-analysis and pro forma reports.

Assumptions used in a report produced with this software can be saved on disk for retrieval and review at a later date.

A summary of the features offered by Real Estate Investor II includes 5- to 10-year analysis of any property; partial-year analysis upon acquisition; analysis of up to 10 different loans using 9 different loan types; analysis of refinancing possibilities, 100-percent financing, internal rate of return, and financial-management rate of return; variable parameters from year to year; automatic mathematical calculations; and screen editing rather than line prompting.

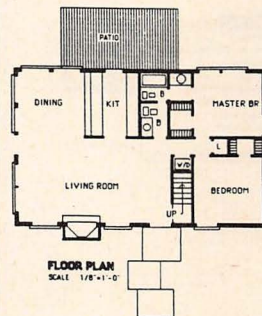
In addition, the Real Estate Investor II program is sold with a 30-day, money-back guarantee.

Use of this software requires no previous computer experience.

Rems Software, Inc.
526 NW 2nd St.
Corvallis, Oreg. 97330
503-757-8887
Retail Price: \$295
Available now

Sketch-to-Scale

Drawing aid



System Requirements: 128K or 512K Macintosh. Special Requirements: MacPaint.

Sketch-to-Scale is an overlay template that can be used by anyone interested in making accurate drawings. Scale drawings to one-eighth and one-quarter inch are possible, as are engineering scales such as one inch equals 20 feet or one inch equals 40 feet.

The product uses a grid system on a reusable, clear-plastic overlay that contours itself to a Macintosh screen. Once this overlay template is positioned, a user may create drawings to scale by using MacPaint.

Sketch-to-Scale's manufacturer says that the product is not a sophisticated drafting package using coordinate-type input. It is instead a sketching aid to be used for making "near-to-scale" drawings.

Architects may use the Sketch-to-Scale Comprehensive Drawing Package to prepare floor plans and building elevations, and interior designers can use it to lay out rooms.

Williams AG Products
Rt. 2, Box 85-B
Haskell, Okla. 74436
918-482-3524

Retail Price:
\$19.95 Basic Drawing Overlay Template
\$34.95 Comprehensive Drawing Package
Available now

StatFast

Data analysis; forecasting

System Requirements: 128K or 512K Macintosh; external disk drive recommended.

StatFast is a statistical software package for beginners and advanced users. It is menu driven, offers prompts in English, and it can access files created by other spreadsheet and data-base software.

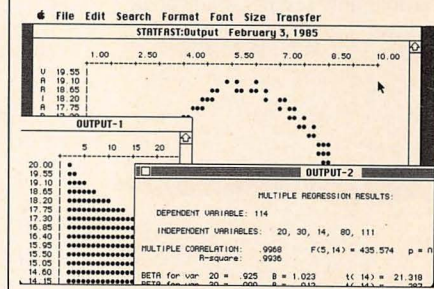
Statistical functions provided by the program include descriptive statistics, t-tests, cross tabulations, correlations, non-parametric statistics, and significance levels for all tests.

Advanced statistical procedures include multiple-regression functions such as standardized and unstandardized weights, intercept, ANOVA table, t-values for weights, and more.

In addition, StatFast includes two graphics subprograms, Barchart and Scatterplot; and two data editors, StatFast Data-Editor and Editor. The latter allows users to edit data files or cut, copy, and paste parts of data files from one file to another.

The program was developed in optimized FORTRAN, used primarily for scientific and numeric applications because it is faster than BASIC.

StatSoft
2831 East 10th St., Suite 3
Tulsa, Okla. 74104
918-583-4149
Retail Price: \$99
Available now



Statistical Analysis

Books and software

System Requirements: 128K or 512K Macintosh.

The Experimental Statistics software package and accompanying text book contains 23 programs covering statistical computations from data entry of sampling distributions to test programs for exercising regression programs. A routine for transferring DIF files from spreadsheets is also included.

The Business Statistics program and book contains 42 programs plus data files covering such topics as sampling schemes, hypothesis testing, forecasting techniques, and quality control.

The Multivariate Analysis software and explanatory text contains 15 programs related to modern multivariate techniques such as canonical correlation and logit analysis.

Exploratory Data Analysis contains 14 programs plus 13 data files covering descriptive statistics and offering insights into data sets.

Lionheart Press, Inc.

PO Box 379

Alburg, Vt. 05440

514-933-4918

Retail Prices:

\$125 Experimental Statistics

\$145 Business Statistics

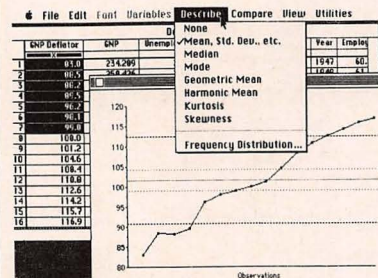
\$150 Multivariate Analysis

\$75 Exploratory Data Analysis

Available now (except Multivariate Analysis)

StatView

Statistical analysis



System Requirements: 128K or 512K Macintosh; or a Macintosh XL running MacWorks XL.

Statistical evaluations possible with the StatView program include descriptive statistics, comparative statistics, and non-parametric tests.

StatView's descriptive capability includes harmonic and geometric mean, standard deviation, standard error, variance, median, mode, frequency distribution, and coefficient of kurtosis and skewness.

Comparative statistics include paired and unpaired t-tests, the Spearman rank-order correlation coefficient, ANOVA with percent variation explained, and more. Nonparametric tests include chi-square, Kruskal-Wallis, Friedman, Kolmogorov Smirnov, Mann-Whitney-U, and more.

Regular analysis includes the ability to plot the fitted line. Residuals, standardized residuals, and predicted value may be saved. Regular output includes the coefficient table, ANOVA table, and residual analysis.

The authors of StatView claim the program performs comparably to similar software costing hundreds of dollars more.

Brainpower, Inc.
24009 Ventura Blvd.
Calabasas, Calif. 91302
818-884-6911
Retail Price: \$199.95
Release Date: July, 1985

Stylo-Castoff; Stylo-Estimate

Publishing—typeset estimator;
cost estimator

System Requirements: 128K or 512K Macintosh.

Stylo-Castoff is a program designed for authors or book publishers. A castoff is a procedure for estimating finished typeset book pages from the information derived by counting lines of a typewritten manuscript.

Because finished typeset copy can vary according to type design and size, Stylo-Castoff calculates a ratio between the number of characters in a typewritten manuscript against the number of characters that will fit on a typeset page of given specifications.

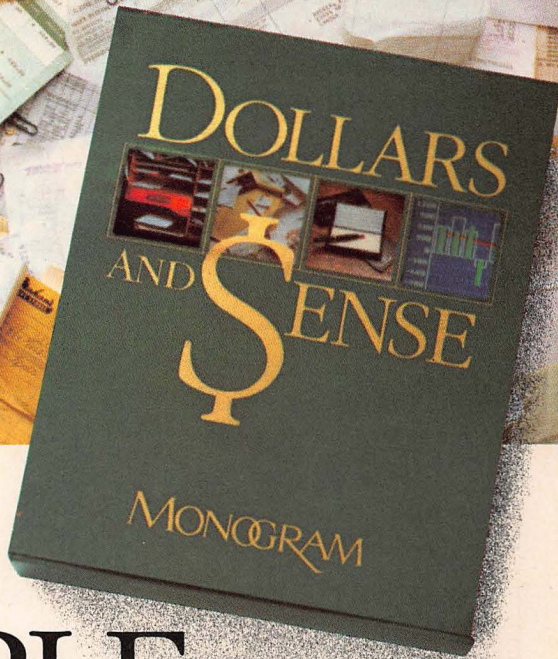
The program can store up to 50 type styles in point sizes from 8 to 11.

A companion program, Stylo-Estimate, come with a Book Page Cost Estimating program. Because specific kinds of pages, such as text, footnotes, extracts, tabular, etc., vary according to complexity of composition, different costs are assigned to them. The program can generate and estimate these costs based on the final information after a book is completed.

Stylo Software, Inc.
482 C St.
PO Box 916
Idaho Falls, Idaho 83402
208-529-3210
Retail Prices:
\$99.95 Stylo-Castoff
\$199.95 Stylo-Estimate
Available: June, 1985



HOW TO UNSCRAMBLE YOUR NEST EGG.



It doesn't take a computer to tell you that money can't buy you happiness.

But there is a piece of best-selling personal computer software that can make you a lot happier about your money.

And you're looking at it.

Making sense of your dollars.

Dollars and Sense™ saves you money by organizing your money. By giving you the clearest picture you've ever had of your financial behavior.

It defines budgets along any lines you like. Monthly or annually, fixed or variable. On up to 120 accounts.

It can write checks, make transactions automatically, even remind you to pay your bills.

And as time goes by, it tells you precisely how you're doing. With a complete set of reports and full-color graphs* that come up on screen or print out on paper. At the touch of a key.

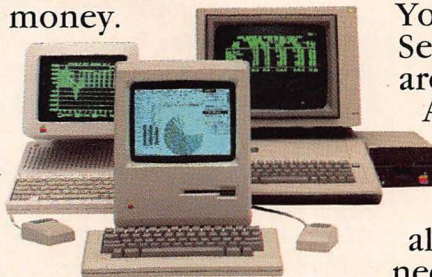
And all you have to do is spend a few effortless minutes each week

telling your personal computer** what came in and what went out.

Many happy returns.

You can use Dollars and Sense around the house or around the office.

And around April 15 you'll be glad you did. Because a few simple keystrokes will provide you with all the information you need to settle up with Uncle Sam.



Macintosh™ version in stores now.

Since your tax liability tomorrow is affected by the decisions you make today, Monogram will soon be introducing a new program, called FORECAST.™

With Dollars and Sense and FORECAST, you'll be able to estimate your taxes for up to five years. Or look at this year and ask "what if?" up to five different ways.

To keep Uncle Sam from raining on your parade.

MONOGRAM

Circle 24 on Reader Service Card

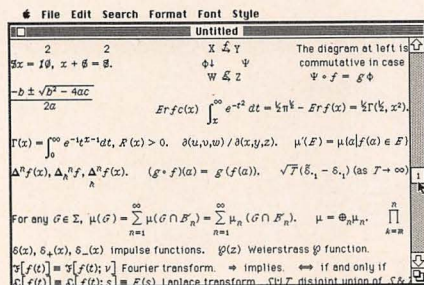
8295 South La Cienega Blvd., Inglewood, CA 90301 (213) 215-0529

*Color monitor required. Graph printing may not be available on Apple® II series.

**Available for Apple IIe, IIc and Macintosh. Also available for IBM® PC, PC XT, PCjr and compatibles, the TI Professional and other popular personal computers.

Tech

Scientific and mathematical fonts



System Requirements: 128K or 512K Macintosh.

Tech contains separate 9-, 10-, 12-, 18-, 20-, and 24-point scientific and technical fonts, and over 1,300 individually designed scientific symbols including standard symbols used for writing equations in mathematics, engineering, physics, economics, and astronomy.

The program also includes the complete scientific Greek alphabet and 22 over-strike keys with automatic back spacing.

Style variations include bold, italic, underline, outline shadow, subscript, superscript, and any combination of these.

Linguists' Software
PO Box 231
Mt. Hermon, Calif. 95041
408-335-2577
Retail Price: \$119.95
Available now

Ultra Fonts Technical and Business Set

Specialized fonts

System Requirements: 128K or 512K Macintosh; or Macintosh XL.

The Technical and Business Set of Ultra Fonts is a collection of fonts that have been designed for engineers, lawyers, doctors, mathematicians, and others in need of specialized alphabets.

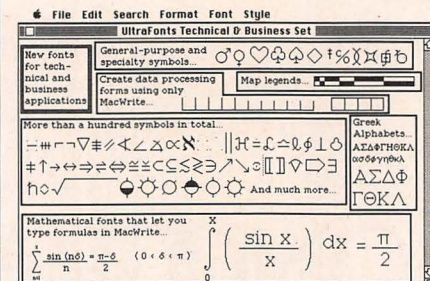
The program includes a symbols font that contains more than 100 technical, mathematical, and general-use symbols in every standard Macintosh size from 9 to 24 points.

Also included are three Greek fonts featuring alternative letter forms and all Greek accents. A chart supplied with the program shows which key to press for each character.

In addition, the program comes with a math font that allows a user to type multilevel formulas. This font includes subscripts, superscripts, and large integral and sum symbols.

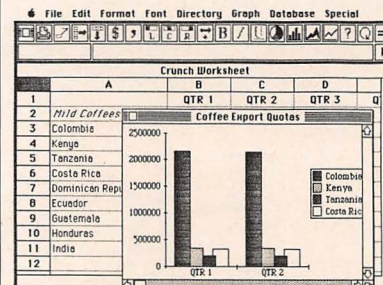
Finally, the program comes with a section of correspondence-quality fonts, including small caps and business symbols, designed for general business applications.

21st Century Software
2306 Cotner Ave.
Los Angeles, Calif. 90064
213-829-4436
Retail Price: \$29.95
Available now



Crunch

Spreadsheet



System Requirements: 512K Macintosh.

Crunch is a spreadsheet program that can turn facts and figures into useful information. It can store more information and perform calculations faster than similar software for the IBM PC.

Users can consolidate summary information from other work sheets through Crunch's work-sheet linkage feature. To help visualize information Crunch converts raw data into presentation-quality graphics with only two clicks of the mouse.

Its data-base features allow a user to sort, query, screen, and summarize. And they can use its auditing features to verify the logic behind any spreadsheet model.

Users may also create their own functions, or name cells and key variables for English-language formulas.

Paladin Software Corporation
2895 Zanker Rd.
San Jose, Calif. 95134
408-946-9000
Retail Price: \$295
Release Date: Summer, 1985

Meet The New Financiers...

General Ledger, Accounts Receivable, and Inventory Control

The Palantir Financial Series -- the first true accounting system to run on a 128K single-disk Macintosh. If you have a small to moderate-sized business, you'll find what you're looking for right here.

General Ledger

Here's a true accounting system -- so much more than just a cash book or expense filer. Look at what it offers:

- Flexible chart of accounts. Up to 9,999 different accounts. Cash, expense, income, etc... in any combination.
- Full double entry system. You cannot go out of balance.
- Six financial statement formats to choose from. You'll find one suited just for your business.
- Up to 12 accounting periods. And even after you rollover to a new period, you can still go back and post to the previous one.
- Comparisons with budget and prior year performance. By period and year-to-date.
- Multiplan™ transfer. Extract data for spreadsheet programs and other forecasting systems.
- 400 accounts on one 400K disc.

Retail price: \$145

Accounts Receivable

Keep track of who owes you what from how long ago. Print reports or display them on the screen. Either way you've got solid control of your business with features like these:

- Up to 9,999 customers.
- Full three-period aging. You define the periods.
- Open-item or balance-forward accounts or both. Your choice.
- Sales analysis by customer, salesperson, branch, type of sale, product, or just about anything else you can think up. 999 ways to analyze your sales for the period and year-to-date. Pinpoint your problems and your opportunities.
- Compatible output to the Financial Series General Ledger. Analyze profits as well as sales.
- 300 accounts on one 400K disc.

Retail price: \$145

Inventory Control

The perfect system for your retail or wholesale business.

- Handles all these transactions: purchase orders, receipts, transfers, adjustments, issues and returns.
- Provides complete audit trails.

Circle 25 on Reader Service Card

- Tracks stock by units and dollars: How many dollars you have on order. The dollar value of your inventory, sale prices, and profit margins.
- Controls stock levels. Reorder Report shows quantities below your specified minimums.
- Analyzes your inventory as well as providing cost and sales histories and gross profit margins. Also, product status by type and location is given.
- Keeps salespeople up-to-date. Price list shows quantity on hand, selling price, sales tax, and current average cost.
- 1,000 products and 400 purchase orders on one 400K disk.

Retail price: \$145

The new Financial Series from Palantir does more than just help you run your business. It helps you manage it, for growth and profitability.

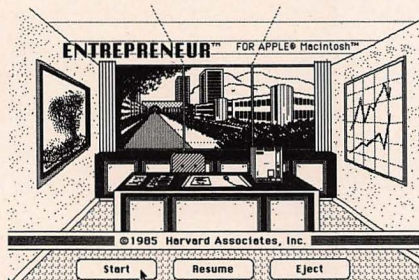
Available from your dealer.

Palantir Software, 12777
Jones Road, Suite 100,
Houston, Texas 77070. Call (713)
955-8880, or (800) 831-3119 (Texas),
(800) 368-3797 (National), or (800)
235-0025 (Canada).



PALANTIR
SOFTWARE

Entrepreneur Management training



System Requirements: 128K or 512K Macintosh.

Entrepreneur simulates the actual management of a software company.

This includes managing business operations, interpreting financial reports, and predicting how current events affect the economy and business.

Entrepreneur can also track inventory, production, profit, and other business statistics for up to a 36-month period.

Microsoft Corporation
10700 Northup Way
PO Box 97200
Bellevue, Wash. 98009
206-828-8080
Retail Price: \$49.95
Available now

Learning Microsoft Multiplan and Microsoft Chart

Training aids

System Requirements: 128K or 512K Macintosh.

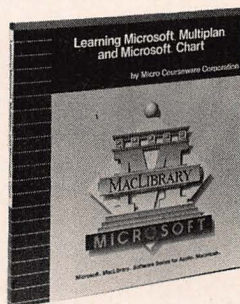
Learning Microsoft Multiplan and Microsoft Chart is a computer-aided instruction (CAI) software package made up of two separate tutorials. One defines concepts pertaining to Multiplan spreadsheets and the other deals with presentation business graphics found in Chart.

This release is the first in a series of Microsoft MacLibrary software products, written by Micro Courseware Corp. and distributed by Microsoft Corp., designed to teach first-time users and current owners of Microsoft software products how to become more proficient with the applications they own.

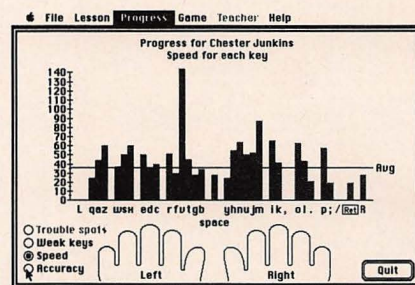
This first package may also prove to be an effective way of previewing both Multiplan and Chart before making a purchase.

Future releases upcoming in the Microsoft MacLibrary series include productivity aids, language tools that complement Microsoft BASIC, educational software for adults, and home products for finance and banking.

Microsoft Corporation
10700 Northup Way
PO Box 97200
Bellevue, Wash. 98009
206-828-8080
Retail Price: \$59.95
Available now



Typing Made Easy Training



System Requirements: 128K or 512K Macintosh.

Typing Made Easy is a touch-typing instruction course that eliminates a user's need to look at the keys.

This forces the user to focus on the material being typed—and not on the errors. Using graphics that reinforce correct finger positioning, it features lessons that allow a user to progress at his or her own pace.

As lessons are learned a user receives progress reports that emphasize speed and accuracy and highlight fingers and keys that need extra practice.

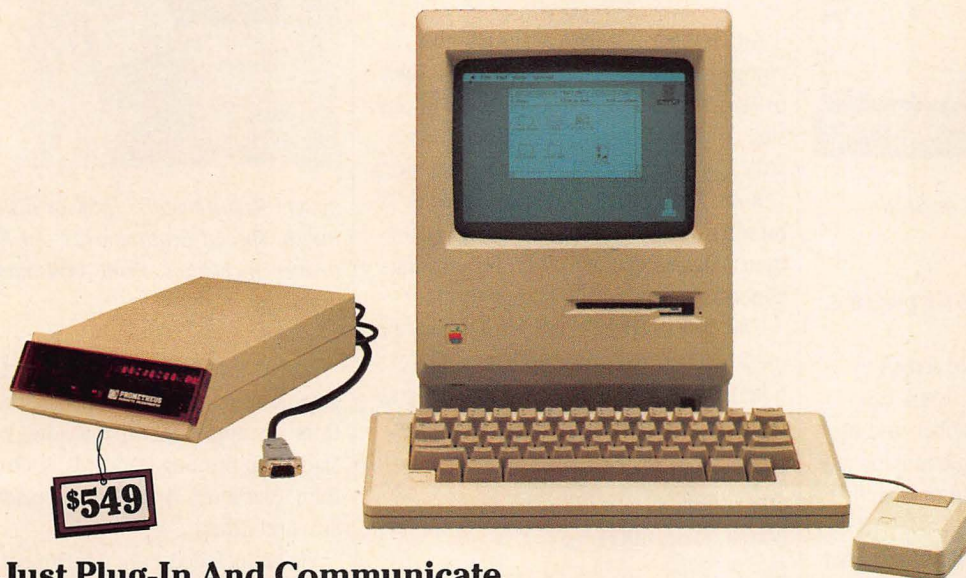
Users can select from an unlimited number of warm-up, review, and practice exercises as well as drills in full paragraph formats.

Typing Made Easy can be adapted to classroom use.

QED Information Sciences, Inc.
PO Box 181
Wellesley, Mass. 02181
617-237-5656
Retail Price: \$59.95
Available now

The Macintosh... **HOT-LINE**

The Expandable Macintosh Modem With Software And Cable

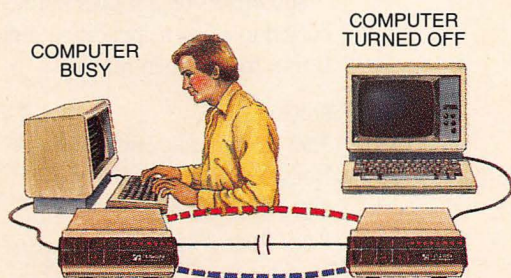


Just Plug-In And Communicate

If you're a Macintosh user, you need our expandable 1200/300 baud intelligent modem. Supplied with our ProCom-M communications software and "Mac-to-modem" cable, ProModem 1200M is so simple to use that you'll instantly be on-line and communicating. It's Hayes compatible, and the price is right, too. Just \$549 complete.

Electronic Mail A Reality

ProModem 1200M gives you something that's not available on any other modem in this price range. Our \$99 Communications Buffer and Alphanumeric Display options provide you with a sophisticated electronic mail network.



Amazing but true, your ProModem 1200M answers the phone, collects messages up to 50 pages long, sends out electronic mail, and displays all messages sent or received even though you are gone and MAC is busy or turned off. Thanks to ProModem 1200M, expensive hard-to-use communications software is not needed. The communications is in the modem, and electronic mail becomes a background function, where it belongs.

Communications Software

Our ProCom-M communications software is designed specifically for Macintosh. It's simple to use, and maintains all Macintosh user interfaces such as icons, pull down menus, full windowing, dialog boxes and mouse control of all commands. You can initiate complex dialing sequences with two clicks of the mouse. ProCom-M includes X-modem protocol for error-free communications with any personal computer. This powerful software does a lot, but is so simple that most users will hardly have to refer to the manual.



The Hot Line

PROMETHEUS
PRODUCTS INCORPORATED

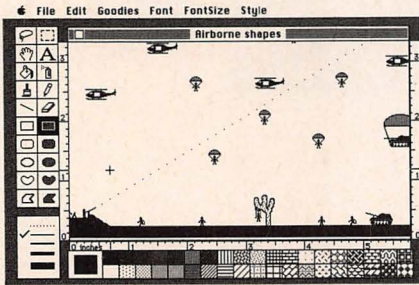
4545 Cushing Pkwy. • Fremont CA 94538

Call Now For
Complete Info...
415/490-2370

Circle 26 on Reader Service Card

Accessory Pak #1

Disk utility



System Requirements: 128K or 512K Macintosh.

Accessory Pak #1 includes six programs, described as follows:

Paint Cutter uses the entire screen to show a MacPaint document. Users can move it around with the grabber, and use the built-in selection rectangle to copy any portion of it to the clipboard or directly to the scrapbook.

Screen Saver deactivates the screen after a specified period of inactivity.

Rulers for MacPaint lets a user pull out rulers that measure in inches, centimeters, or pixels. The rulers are placed next to the MacPaint window, and can also be pasted into a MacPaint document itself.

QuickEject ejects all floppy disks that are on line and resets the system.

Silicon Beach Font is a new font designed to look crisp and neat in written text. It comes in 12 and 24 point.

Apple's Desk Accessory/Font Mover allows the user to add or extract desk accessories and fonts to/from the system file.

Silicon Beach Software
PO Box 261430
San Diego, Calif. 92126
619-695-6956
Retail Price: \$39.95
Release Date: June, 1985

Art Grabber with Body Shop

Desk accessory; body graphics

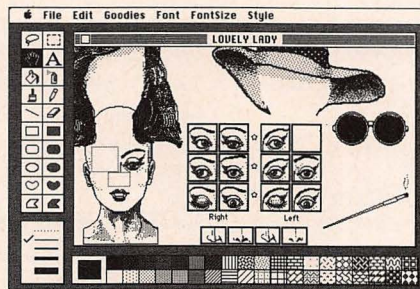
System Requirements: 128K or 512K Macintosh.

Art Grabber is a desk accessory that completes the transfer of MacPaint images to MacPaint or MacWrite documents in one step. The utility may be permanently installed on any program with a system file.

Body Shop provides detailed artwork of hundreds of body parts, faces, and costumed figures that are useful for creating almost any view of the human form.

The desk accessory and art disk may be used together to spruce up letters, illustrate reports, create posters, and supply artistically rendered subjects for animation.

Hayden Software Company, Inc.
600 Suffolk St.
Lowell, Mass. 01854
617-937-0200
Retail Price: \$49.95
Available now



Epstart Version 2.0

Printer utility



System Requirements: 128K or 512K Macintosh. Special Requirements: An Epson printer. Inclusions: Print Adjustment Accessory.

Epstart Version 2.0 produces text and graphics on a variety of Epson printers from any application that follows normal Macintosh printing standards, such as MacPaint, MacWrite, Multiplan, Microsoft BASIC, and others.

Via an included Print Adjustment Accessory, Epstart Version 2.0 lets a user select single-color printing on the Epson JX-80 color printer or letter-quality printing on the LQ-1500 model.

In addition, the program produces draft printing with improved column alignment and word-collision prevention, and it can also produce standard or higher-quality graphics, screen, and sideways printing.

This version of Epstart allows an Epson printer to be connected to either a Macintosh's printer or modem ports. It also supports variable port speeds, which allows the use of a variety of serial interfaces.

Epstart Version 2.0 does not need to be copied to a user's application disks, and it is transparent when running.

SoftStyle, Inc.
7192 Kalaniana'ole Hwy., Suite 205
Honolulu, Hawaii 96825
808-396-6368
Retail Price: \$45
Available now

With MaCalendar,TM You Would've Been on Time.



We know how easy it is to become so totally immersed in your work that you forget all about such things as 10 o'clock appointments, luncheon dates, or even (shudder) Board Meetings. That's why we designed MaCalendar to help you plan, organize and implement your busy schedule.

MaCalendar is a powerful time management tool for the MacintoshTM which uniquely combines a calendar with an alarm and a notepad - all designed to keep you on schedule and up-to-date. Best of all, MaCalendar runs concurrently with all other programs, so it's *always there when you need it*.

Once you've entered important times and dates into MaCalendar, you can go on to work on other applications. MaCalendar will automatically interrupt your program with a chime to remind you of your appointment. There's no separate disk to insert; MaCalendar is an ever-present, integral part of your Macintosh.

For detailed reminders or notes, take advantage of MaCalendar's notepad. Simply enter memoranda for the appropriate day, and the information will be waiting for you when you call it up. Plan weeks - even years! - ahead. And never again miss another appointment, birthday, class, whatever.

Run out of room on your notepad? Just "turn the page" and fill unlimited pages with all your information. MaCalendar lets you document phone

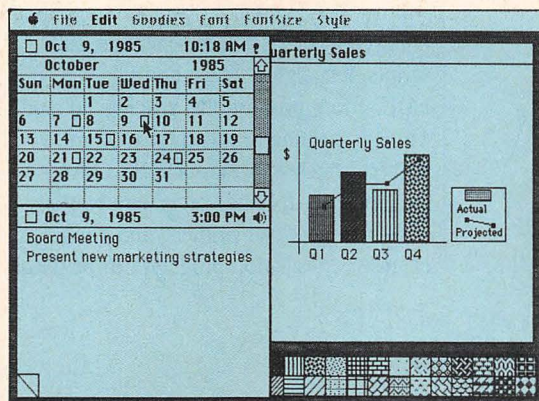
calls, assemble "to-do" lists, plan out a daily schedule, etc.

Now, finally, losing yourself in your work doesn't have to mean losing track of time . . . thanks to MaCalendar.*

MaCalendar, \$89; Lisa Desktop Calendar, \$295



1105 NE Circle Blvd. • Corvallis, OR 97330
(503) 758-0521

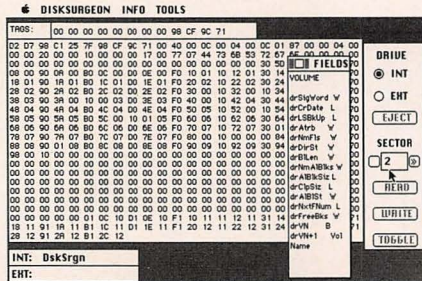


*Expanded version of MaCalendar, the Desktop Calendar,SM is available for the Lisa. Macintosh is a trademark of Apple Computer, Inc. Lisa is a registered trademark of Apple Computer, Inc.

Circle 27 on Reader Service Card

I.E.S. DiskSurgeon

Disk utility



System Requirements: 128K or 512K Macintosh.

The I.E.S. DiskSurgeon enables the novice and hacker alike to perform disk-based storage functions.

Its documentation is screen based and accessed by menu. It includes information on disk and file management, volume fields, finder fields, and file fields.

A pull-down toolbox offers formatting, sector check, zero function, and disk-to-disk duplication capabilities.

Editing is performed via the program's ASCII/HEX toggle and unique Byte window.

Intelligent Engineered Systems
2415 East 39th St.
Indianapolis, Ind. 46205
317-545-6618
Retail Price: \$19.95
Available now

Island CP/M

Operating system

System Requirements: 128K or 512K Macintosh.

Island CP/M is a standard Digital Research version 2.2 operating system that runs with an Island 8080 emulator.

The two-disk program includes a CP/M Boot Disk for initializing the Macintosh and a CP/M operating-system disk that

contains a copy of the licensed system.

Disk 2 also contains a WordStar program; an XMODEM public-domain, file-transfer program; and DEC VT100, TeleVideo 950, and ADM13A terminal-emulation programs.

VT100 emulation is used for graphics, TeleVideo emulation provides WordStar with reverse video, and the ADM13A emulation is used with dBASE II.

A READ.ME file—available on the CP/M Boot Disk—allows a user to transfer files from either Kaypro, Morrow, or Osborne computers or from bulletin boards to a Macintosh's serial ports via the XMODEM protocol.

Island Software, Inc.
One Richmond Square
Providence, R.I. 02906
415-421-4550
Retail Price: \$195
Available now

LetterWare, MatrixWare

Printer utilities

System Requirements: 128K or 512K Macintosh.

LetterWare allows a user to use a letter-quality printer to create reports, spreadsheets, memos, and important correspondence with any Macintosh program that uses the Imagewriter's draft mode of printing.

LetterWare Version 3.0 supports underlining; boldface print; superscripts; subscripts; left, right, center, and fill justification; proportional spacing; 10- and 12-pitch printing or a combination of different pitches in the same document; and cut-sheet feeding. LetterWare works with many popular printers, and a more extensive installation program can be used

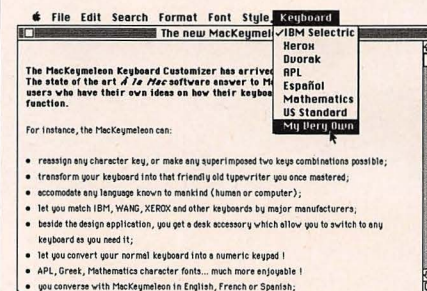
to create custom drivers for printers not supported.

MatrixWare, LetterWare's sister program, supports all popular dot-matrix printers. It contains all the features of LetterWare and also allows printing of graphics from MacWrite, MacDraw, MacPaint, and other popular applications.

Intrepid Technologies
PO Box 31211
Santa Barbara, Calif. 93130
805-685-6770
Retail Price: \$89
Available now

MacKeymeleon

Foreign-language utility



System Requirements: 128K or 512K Macintosh.

Although the Macintosh is flexible enough to comply with the requirements of most foreign languages, enabling users to write in a variety of fonts and styles, MacKeymeleon lets users customize its keyboard even further.

It also enables them to activate previously designed keyboard configurations.

Character keys can be reassigned and diacritical signs can be generalized, eliminating the need for time-consuming over strikes.

MacKeymeleon supports various international keyboard configurations, meaning there is no need to swap a U.S. keyboard for an international one.

Users may also use their normal keyboard as a numeric keypad, and eliminate disk duplication due to static localization

where different keyboard configurations are needed.

This program also defines some one-handed combinations that can be especially useful for handicapped individuals.

Avenue Software, Inc.
C.P. 2085
Terminus, Quebec
Canada G1K 7M9
418-641-0441
Retail Price: \$39.95
Available now

MacScreen Gems

Start-up screens

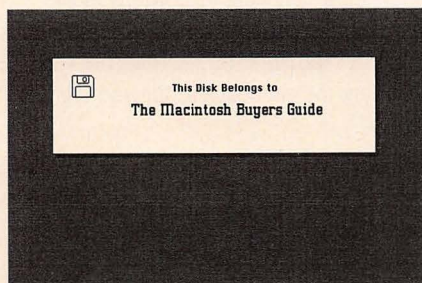
System Requirements: 128K or 512K Macintosh. Inclusions: Personalized screen.

The MacScreen Gems software package contains one dozen start-up screens that can be used to replace the usual "Welcome to Macintosh" greeting contained on most application programs.

Once selected, the alternate screen will be displayed each time an application modified in this manner is used to start up the computer.

The purchase price of MacScreen Gems includes a special start-up screen featuring the user's name or personalized message.

American Softwerkz
PO Box 678
Brandon, Fla. 34299
813-626-0755
Retail Price: \$14.95
Available now



Magic Font Editor

Font utility

System Requirements: 128K or 512K Macintosh.

The Magic Font Editor allows users to enter their own custom fonts or edit existing fonts.

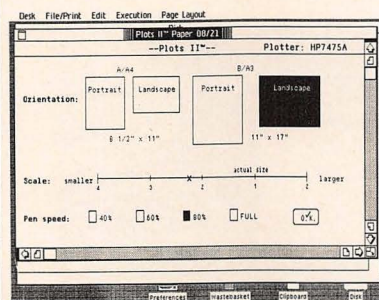
The program also allows input from either the Magic Video Digitizer or a "Fat Bits" style editor.

Once fonts are created they can be stored on the disk and installed in the system.

New Image Technology, Inc.
10300 Greenbelt Rd., Suite 104
Seabrook, Md. 20706
301-464-3100
Retail Price: \$49.95
Available now

Plots II

Plotter utility



System Requirements: Macintosh XL with 777 software; one megabyte memory. Special Requirements: Compatible plotter.

Plots II for the Macintosh XL is a utility program that enables LisaDraw documents to be plotted on a color plotter. It can be used for architectural, engineering, design, and business-graphics applications.

Plots II produces continuous, one-piece drawings up to 36 by 96 inches in size—depending on the plotter—from multi-

page drawings. Plotters supported include the HP 7470-001, HP 7475-001, HP 7550B, HP 7580B, HP 7585B, HP 7586B, and HI DMP 41 and 42.

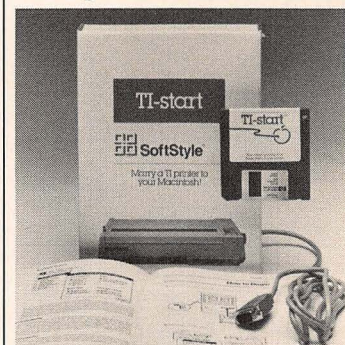
Plots II's scaling features can be used to enlarge charts and graphs for making overhead transparencies, and to reduce large drawings without changing the size of the original.

Some LisaDraw features are not supported. They include clipping (hiding of lines or objects with other objects) and line-pen patterns. Not all fill patterns will be applicable for all objects, but various line thickness is supported.

Computer Shoppe
PO Box 18344
615 Guilford Jamestown Rd.
Greensboro, N.C. 27409
919-299-4843
Retail Price: \$295 to \$595 depending on plotter
Available now

Printer Interfaces

Four printer utilities



System Requirements: 128K or 512K Macintosh. Inclusions: Printer cables with TI-start and Laserstart.

TI-start interfaces the Macintosh with Texas Instruments's TI 855/865 and 850XL/860XL printers. It can add extra density to graphics printing and supports letter-quality font modules on the TI 855/865 and near letter-quality printing on other models.

Laserstart interfaces the Macintosh with the Hewlett-Packard LaserJet printer. It prints Macintosh graphics and text with

laser quality and supports Hewlett-Packard's letter-quality font cartridges.

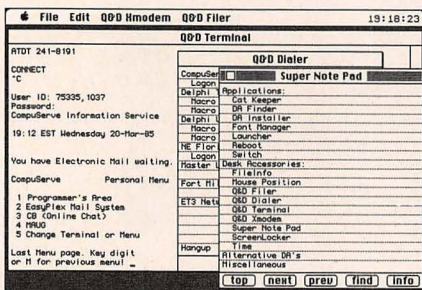
Jetstart interfaces the Macintosh to the seven-pound, portable Hewlett-Packard ThinkJet printer (serial version model 2225D).

Epstart interfaces the Macintosh to Epson MX, RX, LX, FX, JX, and LQ series printers (serial interface required). It supports single-color printing on the JX-80, letter-quality printing on the LQ-1500, near letter-quality printing on capable models, and extra-density graphics printing on all models.

Softstyle, Inc.
7192 Kalaniana'ole Hwy., Suite 205
Honolulu, Hawaii 96825
808-396-6368
Retail Prices:
\$75 TI-start
\$95 Laserstart
\$45 Jetstart
\$45 Epstart
Available now

Quick & Dirty Utilities

Disk utilities



System Requirements: 128K or 512K Macintosh.

Quick & Dirty (Q&D) Utilities Volume One has many useful applications designed to stand alone. They do not require BASIC or any other language, and are not copy protected so they can be

used on an external floppy-disk drive, on a hard disk, or with the AppleTalk Personal Network.

In addition, a built-in Catalog Keeper allows a user to keep track of disks and display a disk catalog by size, name, type, creator, date last modified, or volume name.

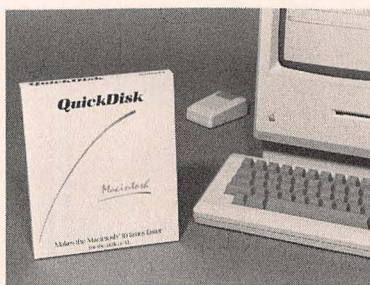
Other disk applications of the Q&D program include the DA Finder, DA Installer, Font Manager, Launcher, Switch, and Reboot.

Desk accessories for this disk are the FileInfo, Mouse Position, Q&D Dialer, Q&D Filer, Q&D Terminal, Q&D Xmodem, ScreenLocker, Super Note Pad, Time, and more.

Dreams of the Phoenix, Inc.
PO Box 10273
Jacksonville, Fla. 32247
904-396-6952
Retail Price: \$39.95
Available now

QuickDisk

RAM disk utility



System Requirements: 128K or 512K Macintosh; or Macintosh XL running MacWorks XL.

QuickDisk, a RAM disk program, makes the Macintosh 512K or XL operate up to 10 times faster.

The speed is accomplished by making a user-selectable portion of a Macintosh's memory look and act like a fast, silent disk drive. Users may find a second disk drive is not required.

An important feature of QuickDisk is

the ability of its user to select capacity size from 50,000 all the way up to 350,000 bytes.

Automatic file copy and eject are other features.

Symmetry Corporation
3900 East Camelback Rd., Suite 103-S
Phoenix, Ariz. 85018
602-224-5944
Retail Price: \$34
Available now

QuickPaint

MacPaint utility



System Requirements: 128K or 512K Macintosh; or Macintosh XL running MacWorks XL.

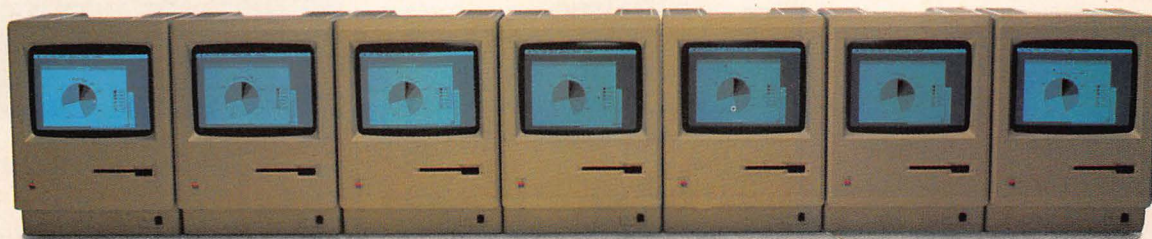
QuickPaint expands the MacPaint program, allowing faster viewing of drawings from whatever application program a user may be working in.

This accessory ends the task of locating and editing MacPaint drawings. Its mini-view feature browses quickly through volumes of clip art, then expands a selected drawing to fill the screen if desired.

The entire drawing or portions of the same can be cut, copied, or pasted into a MacWrite, MacDraw, or MacPaint file without using the clipboard or file and edit menus.

EnterSet, Inc.
410 Townsend St., Suite 408
San Francisco, Calif. 94107
415-543-7644
Retail Price: \$49.95
Available now:

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Without mass storage that every Macintosh can access, your networked office won't have a prayer.

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And just consider

how fast a floppy disk fills up with an entire workgroup compiling data.

To share information, you have to get those floppies neatly stacked, sorted and cataloged.

Something your computer should do for you.

Which is

why we've introduced OmniTalk software. It lets you network your Macintosh Office and LaserWriter printer with an OmniDrive hard disk. So you can store all your files in one place. And share information whenever you want, with whomever you want.

Without turning your floppies into little frisbees. Several people can even access the same information at once—something

a floppy could never do. With OmniDrive and OmniTalk, your Macintosh Office has faster access to software and data, greater storage capacity, even easier back-up

capability. Plus, you get three levels of protection to keep your files safe. And with the Corvus 126MB hard disk, it all costs less per megabyte than any other system. You see, Corvus has more experience networking than anyone else. No one offers more, because no one can.

So take it from us. If you're going to add people to your new Macintosh Office, add the mass storage system that everyone can use. OmniDrive from Corvus. Then your Macintoshes can really start talkin' business.

For more information, call (800) 4-CORVUS.

Circle 28



StyloPrint- Formatter, StyloType- Formatter

Word-processing utilities

*System Requirements: 128K or 512K
Macintosh.*

StyloPrint is a letter-quality printer/formatter for MacWrite or Microsoft Word documents that comes with a form-letter capacity. It allows daisy-wheel or dot-matrix printers to perform proportional spacing, underlining, overlining, boldfacing, superscripting, subscripting, centering, and more.

StyloPrint also allows a user to view formatted documents on screen before being printed out, and print single or multiple copies. It can also print files larger than memory.

StyloType-Formatter has all the StyloPrint capabilities, and the ability to output text files—with typesetter format commands—to a Mergenthaler CRTronic typesetting device. The program converts word-processor format commands to the machine-specific CRTronic commands.

Mergenthaler CRTronic typesetting output is at 2,740 scan lines per inch, compared with the 300 dots per inch of a laser printer.

Advertising brochures, periodicals, newsletters, books, and catalogs can be processed with the StyloType-Formatter.

Stylo Software, Inc.
482 C St.
PO Box 916
Idaho Falls, Idaho 83402
208-529-3210
Retail Prices:
\$129.95 StyloPrint-Formatter
\$295 StyloType-Formatter
Available now

TexSys

Text Control System

*System Requirements: 128K or 512K
Macintosh.*

TexSys is a software package that allows a user to create a detailed record of everything in a backup library.

Text control is the process of recording all changes to text files and assigning a version number to each change. Once organized, TexSys can update or retrieve any version easily.

TexSys shows when and why updates were made to files. It compresses all of the changes together into one file, yet can still recover any version of any document at will.

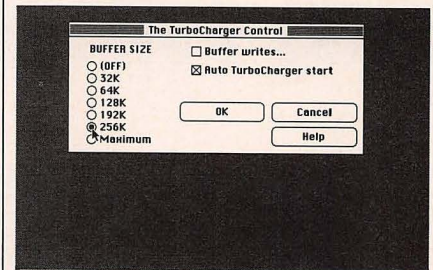
Because of its internal operation, TexSys can typically store 20 versions of a text file in less disk space required for three backup copies.

The program is designed to save the searching time required to find past versions of text files and to make decisions about whether or not to delete them. It will also reduce the number of disks required for backup purposes.

ToolMasters, Ltd.
1810 Michael Faraday Dr., Suite 205
Reston, Va. 22090
703-478-0220
Retail Price: \$49.95
Release Date: Third quarter, 1985

TurboCharger

Disk-access utility



System Requirements: 512K Macintosh.

TurboCharger is a software program that lets Macintosh 512K owners work faster by combining RAM with floppy-disk access. Its manufacturer says that common tasks, such as loading a program, can be performed up to 1200 percent faster with the software.

TurboCharger is actually a disk-memory cache system that works with copy-protected software and most large programs. In fact, TurboCharger works with almost every major Macintosh package including MacWrite, MacPaint, Multiplan, Microsoft Chart, Microsoft Word, PFS:File, PFS:Report, and others.

TurboCharger continuously analyzes disk usage as you work, buffering critical areas of disk in RAM to achieve faster access to your application and data. TurboCharger works automatically with no extra steps. You simply use the Macintosh as you normally would and it will respond faster.

Nevins Microsystems, Inc.
210 Fifth Ave.
New York, N.Y. 10010
212-563-1910
Retail Price: \$95
Available now

NORTHEASTERN SOFTWARE

88 Ryders Lane, Stratford, Connecticut 06497

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- For items not listed please call
- We ship Federal Express — call for details

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Lucky's Magic Hat	25.00	Market Manager Plus	119.00	Witness	25.00	Graphics Magician	29.00	Copy II Mac	22.00
Dinosaurus Dig	25.00	Spreadsheet Link	60.00	Zork I	25.00	Pensate	24.00	Maxell Disks 3 1/2	34.00
Advanced Logic Systems		Straight Talk	48.00	Zork II	25.00	Quest	24.00	Memorex Disks 3 1/2	33.00
Mighty Mac	Call	Electronic Arts		Zork III	28.00	The Coveted Mirror	24.00	Smooth Talker	95.00
American Training Int'l (ATI)		Financial Cookbook	27.00	Intelligent Statements		Transylvania	24.00	Sony Disks 3 1/2	35.00
MacCoach (Intro. to the Mac)	45.00	Pinball Construction Set	27.00	Professional Blackjack	47.00	Xyphus	24.00	Tecmar Hard Disks	Call
Ann Arbor Softworks		EnterSet Quick Set	Call	Trivia Arcade	23.00	Planitir MacType	31.00		
Animation Tool Kit 1	30.00	Esoft Enterprises		Intermatrix Chequebook	46.00	Professional Software		Hardware/Accessories	
Animation Tool Kit 1 (Adv. Ver.)	Call	ColorPrint Software	Call	Kensington Microware LTD		Trivia Fever	24.00	Apple	
Apple Computer		ColorPrint Starter Kit	Call	Professional Type Fonts	60.00	Protek-It Software		Image Writer 10" & 15"	Call
Mac Project	Call	Expertelligence Experlogo	80.00	Layered Inc. Front Desk	89.00	Pro Copy	Call	Mac External Drive	Call
Mac Terminal	Call	Forethought		Living Video Text		ProVue Development		Assimilations Process	
Apropos		Factfinder	89.00	Think Tank - 128K	75.00	Overview	174.00	Mac Daisy Wheel Connection	74.00
Financial Planning	64.00	Typing Intrigue	30.00	Think Tank - 512K	145.00	Priority Software		Mac Epson Connection	69.00
Investment Planning	64.00	General Computer Co.		Lotus Jazz	Call	Forbidden Quest	27.00	Mac Turbo Touch	Call
Tax Planner	34.00	Ground Zero	24.00	Macadam Publishing		Gateway	27.00	CompuServe Starter Kit	23.00
Artsci Magic File	59.00	Haba Systems		Windowware Calendar	33.00	Real Data Inc.		Creighton Development, Inc.	
Assimilations Process		Haba Checkminder	Call	Windowware Phonebook	33.00	Commercial Real Estate Dev.	75.00	Proprint	48.00
Lock-It	20.00	Haba Com	Call	Magnum		General Financial Analysis	75.00	Proprint w/8ft Serial Cable	69.00
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Mac Spell Right	60.00	Haba Window Dialer	Call	McPic II	30.50	Reston Publishing		Curtis	
Mac Tracks	20.00	Harvard Associates		The Slide Show	37.00	Construction Estimator	49.00	Diamond	35.00
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Card Shoppe	35.00	Hayden Software		Main Street Writer	125.00	Scarborough		Ruby	65.00
Macmatch	31.00	Davinci Building Blocks	49.00	Mainstay Macasm	75.00	Make Millions	29.00	Dilithium Press	
Mouse Tracks	30.00	Davinci Commercial Interiors	118.00	Manhattan Graphics		Masterype	29.00	PC to Mac and Back	61.00
Typing Avalanche	36.00	Davinci Houses	30.00	Ready Set Go	Call	Run for the Money	30.50	PC to Mac and Back w/Cables	88.00
Blue Chip		Davinci Interiors	30.00	Mark of the Unicorn		Sierra-OnLine Frogger	24.50	Elephant	
Baron	36.00	Davinci Landscapes	30.00	Mouse Stampede	23.00	Simon & Schuster		Image Writer Ribbons	5.00
Millionaire	36.00	Ensemble	178.00	Matrix Associates Images	28.00	Typing Tutor III	31.00	Epson	
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Brainworks		Master Pieces	24.00	MegaDesk	75.00	Fortran 77 Dev. Sys.	200.00	FX 80+	Call
Chipwits	30.00	Music Works	47.00	MegaMerge	74.00	Fortran 77 Lang. Compiler	165.00	FX 100+	Call
Thinkfast	24.00	Sargon III	30.00	Micro Analyst Mac Zap	49.00	Mac Advantage: UCSD Pascal	200.00	LX 80+	Call
Brock Software		Word Challenge	25.00	Microsoft		Mail Manager	84.00	Hanzon	
Keystroke Database	274.00	Henderson Associates		Business Pack	357.00	UCSD Pascal Dev. Sys.	135.00	Universal Interface for Epson Printers	65.00
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Cyborg	25.00	Hippopotamus Hippo-C	117.00	Mac Basic Interpreter	89.00	Softstyle Epstart	23.00	Smartmodem 1200B	Call
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CSD, Inc. MacLion	Call	Infidel	28.00	Omnis 2	164.00	Stoneware DB Master Mac	115.00	Microcom Mac Modem	399.00
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						MacVegas	34.00		
						Warner			
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FONTastic

Font editor

System Requirements: 128K or 512K Macintosh; or a Macintosh XL running MacWorks XL. Inclusions: Font mover.

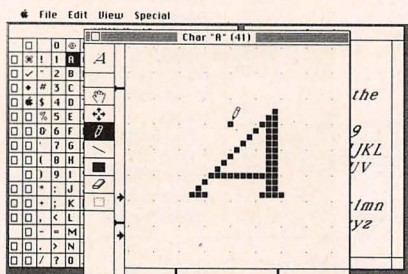
FONTastic allows users to create new fonts from scratch or edit existing fonts from any source. All fonts created with the program are compatible with all Macintosh software, and may be moved from file to file via a built-in font mover.

FONTastic has an additional feature that allows the scaling of a font and manual smoothing of the result in order to improve the appearance of printed characters. The scaling feature also permits independent control of horizontal and vertical scale factors, meaning fonts may be stretched in either direction.

In addition, the program allows character cut-and-paste operations within a font or between fonts, has undo and revert commands, and allows any of seven character-styling operations to be applied: boldface, italic, underline, shadow, condense, expand, or invert.

Images may be cut from MacPaint and pasted into any character of a font, and fonts may be created from images scanned in by popular image-scanning devices.

Altsys Corporation
PO Box 865410
Plano, Texas 75086
214-596-4970
Retail Price: \$49.95
Available now



Fontastics I & II

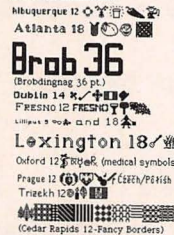
Fonts; type faces

Fontastics™

Fontastics™ I contains



Fontastics™ II Contains



System Requirements: 128K or 512K Macintosh.

Fontastics I and Fontastics II are a two-disk collection of new fonts or type faces for the Macintosh that are usable with the Font Mover utility. Both packages are sold separately.

The Fontastics I disk contains the following fonts: Baton Rouge, Coventry, Galveston, Lyon, Milwaukee, Novos, Portland, St. Louis, Williamsburg, and Des Moines.

Fontastics II contains: Albuquerque, Atlanta, Brobdingnag, Dublin, Fresno, Lilliput, Lexington, Oxford, Prague, Trizekh, and Cedar Rapids. The latter contains a dozen fancy borders.

The manufacturer of both these programs can design custom fonts, including special symbols and alphabets, for users with specific needs. They are also interested in marketing software written by outside sources. Contact the address below for more information. Dealer inquiries are welcome, too.

Devonian International Software Company
PO Box 2351
Montclair, Calif. 91763
Retail Price: \$22.50 each
Available now

GriffinText

Text editor

System Requirements: 128K or 512K Macintosh.

GriffinText is a no-frills, ASCII text editor designed to be used where speed and storage capabilities are of primary importance.

The program displays, processes, and prints text quickly, and it can handle text files that are two or three times larger than those allowed on similar software packages.

GriffinText operates quickly because the disk itself is not accessed when performing routine processing operations such as scrolling. Everyday writing tasks should take less time to complete this way.

The program can process large files, up to 32,760 characters, because it operates in straight ASCII text, and has no fancy-font information or ruler settings as in other programs. In addition, GriffinText saves files as text only, making it compatible with many other applications.

Some of GriffinText's text-processing options include fast word search via a Find window; the ability to merge two or more documents into a single file via a menu-selectable Append command; special key sequences that let a user enter ASCII control characters and a screen display showing standard character names; page format options such as paginate, form feed, insert headers, and set print margins; and a chain-printing function that allows several chapters to be merged into one printed document using continuous page numbers and blank spaces between files.

Finally, cumbersome documents can be written and revised quickly with GriffinText, and MacWrite can be used for final draft embellishments.

Metaresearch, Inc.
1100 SE Woodward
Portland, Oreg. 97202
503-232-1712
Retail Price: \$69
Available now

Letter Helper

Word processing

System Requirements: 128K or 512K Macintosh.

Letter Helper is a file-based system offering a business user sample letters to help write a variety of correspondence.

The two-disk set features 150 ready-made letters that can be used with MacWrite, Microsoft Word, and MacPaint as well as the Imagewriter and LaserWriter printers.

A limited list of letter categories includes acknowledgments, announcements, apologies, appointments, claims, adjustments, credit, fund drives, inquiries, orders, sales, and promotions.

C-Band DBS/Encycloware

715 Washington St.

Ayden, N.C. 28513

919-746-2773

Retail Price: \$49

Available now

Mouse Write

Hebrew word processor

System Requirements: 128K or 512K Macintosh. Inclusions: Two Hebrew fonts.

Mouse Write is a bidirectional and bilingual Hebrew word processor. It can read text left to right and right to left. It also supports various keyboard configurations such as U.K., U.S., and Hebrew layouts.

The program comes with two Hebrew fonts and uses all standard MacWrite fonts in proportional and fixed sizes.

Mouse Write provides right justification in Hebrew mode and left justification in English. In addition, both Hebrew and English can be used in the same sentence, and Hebrew and English paragraphs can be mixed in the same document.

Bernard Marks and Associates has been

appointed marketing manager for Mouse Write in Israel. The firm is also sole distributor of the product in the U.S., England, Australia, Denmark, and South Africa.

Mouse Write was developed by Gabi Miro, an Israeli software developer and consultant.

Bernard Marks and Associates

Software Distributors

Rehov Ha'avoda 24

Tel Aviv 63821

Israel

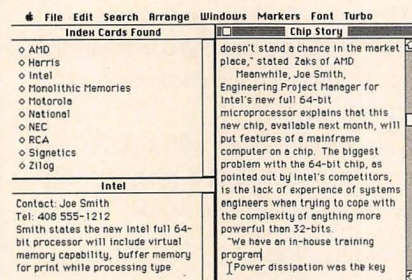
03-285105

Retail Price: \$199

Available now

PreWriter

Idea processing



System Requirements: 512K Macintosh.

PreWriter is an integrated idea processor that offers simultaneous access to outlining, index-card handling, text processing, and idea manipulation. It's meant to be used on a 512K Macintosh, and it can exchange files with other packages such as Microsoft Word, MacWrite, ThinkTank, and FactFinder.

Users may begin any writing assignment by using PreWriter to jot down ideas, make an outline, create a rough draft, and conclude with composition and final revision. To make the task easier, they may maintain card-file notes and a working document on screen at the same time.

Once a document is written and the author is convinced it reads well, the text can be moved to Microsoft Word or Mac

Write for formatting, insertion of special fonts, and additional polishing.

Other capabilities offered by PreWriter include commands to scan a data base of index cards, search and replace text, arrange and rearrange lists of quick notes, and analyze sentences and paragraphs.

MindWork Software Publishing, Inc.

177 Webster St., Suite A404

PO Box 2566

Monterey, Calif. 93942

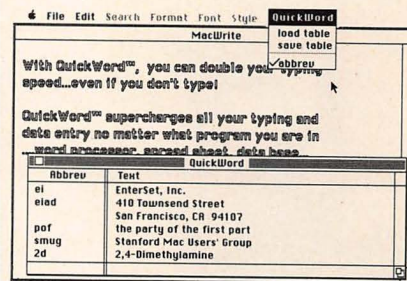
408-649-0431

Retail Price: \$149

Release Date: September, 1985

QuickWord

Word-processing expander



System Requirements: 128K or 512K

Macintosh; or Macintosh XL.

QuickWord expands word processing in a way that reduces the time it takes to type documents, enter information into data bases, put formulas into spreadsheets, and more. The program allows the user to create abbreviations for frequently used phrases or formulas of up to 50 characters in length.

For example, "ABC Enterprises, Incorporated" may be represented by "ABC." Then, anytime "ABC" is typed and followed by the space bar, period, comma,

or quote mark, the full text is immediately inserted at that location.

Abbreviation tables can be edited on line with QuickWord's own text editor. The application is mounted as an accessory, and all Macintosh option, shift/option, and command characters may be used in abbreviations.

EnterSet, Inc.
410 Townsend St., Suite 408
San Francisco, Calif. 94107
415-543-7644
Retail Price: \$59.95
Available now

RGS Wright+

Writing; graphics; data base



System Requirements: 128K or 512K Macintosh.

RGS Wright+ enables a user to perform a variety of word-processing functions and other tasks.

It features a 100,000-word dictionary, a thesaurus, a document indexer, and a word library; all designed to help a user improve personal or business communications.

Also included are data-base capabilities, a math module, and a graphics package for flexibility in writing reports or creating new documents.

RGS Wright+ is compatible with Mac

Write and MacPaint and many hard disks including Corvus, Davong, and Tecmar. On-line help and an undo function are built into the system.

Rio Grande Software, Inc.
221 Nolana
PO Box 5906
McAllen, Texas 78504
800-527-1121 or 800-292-1031, ext. 2785
Retail Price: \$199
Available now

The Right Word

Spelling checker

System Requirements: 128K or 512K Macintosh; or Macintosh XL with MacWorks XL. Special Requirements: Microsoft Word.

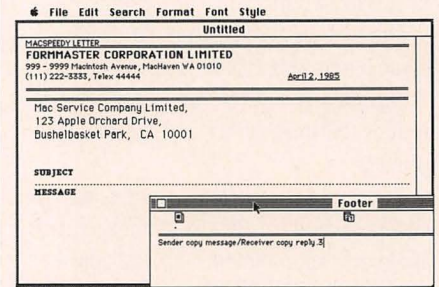
The Right Word is a spell-checking program that checks and corrects misspellings made by users writing documents with Microsoft Word.

The program comes with a 40,000-word dictionary and contains a thesaurus that lists 15,000 English root words.

Assimilation, Inc.
485 Alberto Way
Los Gatos, Calif. 95030
408-356-6241
Retail Price: \$89
Available now

Stationery Starter Set, Resumes, Business Forms Set II

Word processing



System Requirements: 128K or 512K Macintosh.

The Stationery Starter Set provides master business forms for a Macintosh user in professionally designed formats and features set tabs and margins.

A wide selection of business stationery as well as designer stationery is included, with layout variations to suit different wording patterns.

The Resumes program offers a variety of resume styles for accountants, engineers, designers, and teachers, among other professions.

Business Forms Set II provides a large assortment of master forms for duplication and use off the disk.

Mac Master Corporation
115-3700 Gilmore Way
Burnaby BC
Canada V5G 4M1
604-430-3466

Retail Prices:

\$39.95 Stationery Starter Set

\$39.95 Resumes

\$49.95 Business Forms Set II

Release Date: Third quarter, 1985

Variomix, Variotrans, and Variotext

Mail merging; letter writing

System Requirements: 128K or 512K Macintosh. Special Requirements: Microsoft Multiplan; external disk drive and printer recommended.

Variomix is a mail-merging, letter-writing program that allows a Macintosh user to perform automatic mail merges in the middle of text. It has a capacity of 100 to 125 addresses per disk, and includes a near-letter-quality font.

Variotrans allows a user to perform similar mail-merge and letter-writing functions, but it has an added foreign-language capability. It will connect English text with English addresses, French text with French addresses, German text with German addresses, and so on.

Variotrans has a capacity of 125 addresses—including personal salutations—per disk and also includes a near-letter-quality font for output.

Variotext is a basic mail-merge program for small businesses. It has a capacity of 125 addresses with salutations per disk, and uses the same font as the other programs.

All three programs are available in Dutch, English, French, and German.

Mexoft Belgium
140 Wirtzfeld Ave.
B 4761 Bullingen
Belgium
0032-80647713

Retail Prices:

\$59.95 Variomix (includes Variotext and Variotrans)

\$49.95 Variotrans (includes Variotext)

\$39.95 Variotext

Available now

EDUCATION

The Investor's Challenge

Teacher's guide

System Requirements: 128K or 512K Macintosh. Special Requirements: The Millionaire, Tycoon, and Baron software packages.

The Investor's Challenge is an elementary school through high school teacher's guide that details a microcomputer-based, real-life experience in the economics of the stock market, commodities market, and real estate market for students in this age group.

The guide relies on a Macintosh and existing commercial software—namely Millionaire, Tycoon, and Baron—to motivate and teach students in the following areas: economics, finance, and career awareness.

Participating students receive a detailed introduction into the concepts of supply and demand, opportunity cost, scarcity, and interdependence of markets.

Teachers may modify the program defined in the guide to fit a particular learning environment. Suggestions are included for incorporating field trips, films, and other activities.

Blue Chip Software, Inc.
6744 Eton Ave.
Canoga Park, Calif. 91303
818-346-0730

Retail Prices:

\$4.95 *The Investor's Challenge*

\$60 each *Millionaire*, *Tycoon*, and *Baron*

Release Date: June 1985

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- Easy entering, updating, sorting, and reorganizing of your data
- You can print labels or formatted reports, "copy" and "paste" any records or sets of records from DATAFAST files into your MacWrite documents (letters, memos, articles), you can also generate "text files" to be accessed by other programs
- You can use predefined formats of records (included) or define your own formats
- DATAFAST is very fast even when your data files are large. It can handle even the most demanding professional applications
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2831 East 10th Street, Suite 3
Tulsa, OK 74104. (918) 583-4149

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EDUCATION

MacEdge II

Several educational programs

System Requirements: 128K or 512K Macintosh.

MacEdge II is a series of 10 educational programs designed to be used in sequence. The programs begin with counting of objects and progress to addition and subtraction of objects and numbers.

Next are both horizontal and vertical addition and subtraction programs with multiplication and division, too. Also included is Memory Match, a program that reinforces word and symbol recognition and structural analysis. Last is Word Wonder that focuses on different phonic groups and use of words in context.

A reading program called Alphabet Train, emphasizing sequential letter and number progression, is also included.

The program contains parent and teacher access routines to allow modification and flexibility. Users can set the program speed, use the teach-me mode, and add word files to Memory Match.

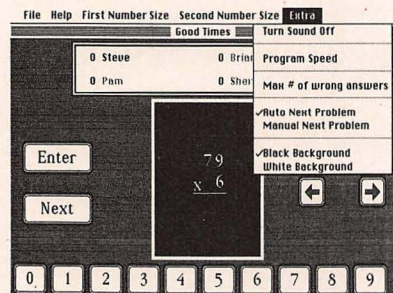
Think Educational Software
16 Market St.

Potsdam, N.Y. 13676

315-265-5636

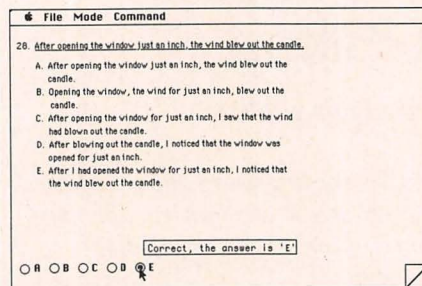
Retail Price: \$49.95

Available now



SAT, GRE, CBA

Test-score improvement



System Requirements: 128K or 512K Macintosh.

Three separate packages from Hayden Software Company, Inc. offer help for those taking high-school or college-level achievement tests.

The first, Score Improvement System for the SAT, allows students to take simulated tests. All information necessary to answer each question given appears on screen, as do instructions for moving from one part of the program to another.

The SAT program includes three modules—Practice Tests, Math, and Verbal—designed to help students raise their overall scores. Also included are simulated SAT exams and reviews of the subjects covered in the verbal and mathematical sections of the SAT.

A second program, Score Improvement System for the GRE, is offered as a study and evaluation tool for college students planning to enter graduate school. It includes a diagnostic pretest and two practice tests scored on the 800 scale, and is designed to simulate the actual three-hour, GRE exam.

The verbal portion of the GRE program covers verbal reasoning and reading comprehension. A quantitative section deals with arithmetic reasoning, basic algebra and geometry, and the interpretation of data.

An analytical-ability section helps with analytical reasoning and logical reasoning.

The Score Improvement System for the

College Board Achievement Tests, the final program in this trio, focuses on the two achievement tests taken by most students, and provides an evaluation of specified English-composition and math skills.

Special review sections offer reinforcement in areas that may require more study and attention. The program also offers strategies and tips to prepare students for the format of the tests.

Hayden Software Company, Inc.

600 Suffolk St.

Lowell, Mass. 01854

617-937-0200

Retail Price: \$99.95 Each

Available now

States and Capitals

Educational game

System Requirements: 128K or 512K Macintosh.

States and Capitals is aimed at elementary and high-school students, and is helpful to anyone wishing to test their knowledge of American states.

The program begins by displaying a map of the United States and asks the user to click the computer's mouse on the capital of any state he or she wishes to name. After clicking, the state will zoom large on the screen and the question, "What's my name?" appears. The user must then enter the correct name of the state and its capital city.

If the correct answer is given, the program will calculate a user's score and ask if it should continue to give queries. If the answer given is incorrect after three attempts, the correct answer will appear so that users may learn as they play.

Future Novelties, Inc.

PO Box 1412

Rocky Mount, N.C. 27802

919-442-9510

Retail Price: \$29.95

Available now

Think Fast

Education

*System Requirements: 128K or 512K
Macintosh.*

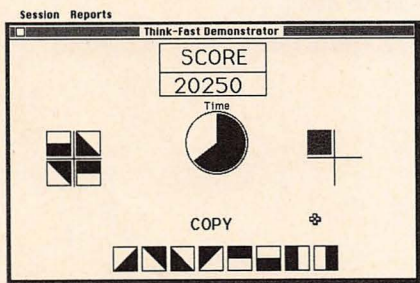
Think Fast is designed to improve short- and long-term memory in both hemispheres of the brain.

Students can strengthen their ability to retain verbal and numeric information (left-brain function) and abstract/visual information (right-brain function).

Think Fast also leads to a better understanding of the brain's hemispheres, and helps users determine whether they are left- or right-brain dominant.

Right-brain memory tasks include comparing, copying, and recalling sets of graphics. Left-brain tasks include both comparing and recalling sets of letters and digits.

BrainPower, Inc.
24009 Ventura Blvd.
Calabasas, Calif. 91302
212-986-6668
Retail Price: \$39.95
Available now



HOME FINANCE

Financial Cookbook

Financial analysis

*System Requirements: 128K or 512K
Macintosh.*

Financial Cookbook, according to the manufacturer, is easier to use than a calculator. The company also says it is especially fast on a Macintosh.

Every one of the program's 32 financial-calculation "recipes" provides a fill-in-the-blanks work sheet and generates a separate output window. A user can generate and analyze data in a number of windows in hopes of improving his or her personal financial situation.

For example, a user may compare three different interest rates for an investment or loan, including tax and inflation effects, by clicking from window to window via the computer's mouse. Other comparable functions include living on your savings, mortgage schedules, owning your car, and the worth of energy-saving devices.

Electronic Arts
2755 Campus Dr.
San Mateo, Calif. 94403
415-572-2787
Retail Price: \$50
Available now

Forecast

Tax planning

*System Requirements: 128K or 512K
Macintosh.*

Forecast is a personal tax-estimating and what-if modeling program that performs tax calculations such as dividends and interest, capital gains and losses, taxable Social Security income, married-couple

deduction, self-employment tax, alternative minimum tax, tax credits, and income averaging.

The program also displays a work sheet with an overview of a user's tax situation, and provides an immediate estimate of year-end taxes.

In addition, Forecast lets a user set up five different tax scenarios that may be viewed simultaneously, and allows an infinite number of what-if experiments to check the effects of various options. The program can be updated by the user when tax tables change, includes help screens, reads data from the Dollars and Sense program, and generates reports to both screen and printer.

Forecast makes full use of Macintosh capabilities such as windows, icons, pull-down menus, and dialogue and scroll boxes.

Monogram
8295 South La Cienega Blvd.
Inglewood, Calif. 90301
213-215-0529
Retail Price: \$69.95
Available now

The Housekeeper

Home inventory system

*System Requirements: 128K or 512K
Macintosh.*

The Housekeeper is a home inventory system that keeps track of assets and home valuables. It can also be used to calculate an item's depreciated worth.

The program allows a user to print reports for insurance purposes that include an itemized list of assets and a total net worth of items.

Updating can be done at any time once all items are entered, and a new report will be generated.

Aegis Development, Inc.
2210 Wilshire Blvd., Suite 277
Santa Monica, Calif. 90403
213-306-0735
Retail Price: \$99.95
Available now

HOME FINANCE

Money Maker

Personal finance

*System Requirements: 128K or 512K
Macintosh. Special Requirements:
MacWrite.*

Money Maker teaches an individual a "legal, honest, and ethical" method of increasing his or her personal income by hundreds or even thousands of dollars every year.

The program contains 17 different instructional modules, and comes with a variety of work sheets, reference examples, and schedules; all designed to help a user learn how to earn additional money.

Money Maker also comes with a guaranteed refund of its full purchase price if a user does not earn at least twice the cost of the software with the program.

Contact The Professor Corp. for a free catalog.

The Professor Corp.
959 NW 53rd St.
Ft. Lauderdale, Fla. 33309
305-771-6498 or 800-223-5838
Retail Price: \$99.95
Available now

Money Market

Business, personal finance

*System Requirements: 128K or 512K
Macintosh.*

Money Market is a software program for anyone who has any business or personal interest in money matters.

It calculates investments, loans, and depreciation.

The investment section of the program provides answers to all kinds of questions related to saving and investing money.

The loan segment figures out payments on a loan, the actual cost of a loan, interest, etc.

The depreciation portion provides

what-if answers to depreciating anything over different periods of time at various rates.

Future Novelties, Inc.
PO Box 1412
Rocky Mount, N.C. 27801
919-442-9510
Retail Price: \$39.95
Available now

Tax Manager

Tax preparation

*System Requirements: 128K or 512K
Macintosh.*

Tax Manager helps prepare federal income-tax returns.

It identifies deductible expenses and nontaxable income, and defines the correct form or schedule to be filled in at the proper time. Tax Manager also offers prompts in English and allows a user to move forward or backward page by page.

When new data is entered the program automatically recalculates all other affected items and, like a spreadsheet, it can link all schedules to each other and to form 1040.

Tax Manager can also be used to compare the effects of completing a tax return in different ways—income averaging, for example.

Forms supported by the program include: 1040, 2106, 2119, 2210, 2441, 3468, 3903, 4625, 4726, 4797, 5695, and 6251. Schedules supported are: A, B, C, D, E, F, G, R, W, ES, and SE.

Micro Lab
2699 Skokie Valley Rd.
Highland Park, Ill. 60035
312-433-7550
Retail Price: \$180
Available now

Tax Master

Personal tax preparation

*System Requirements: 128K or 512K
Macintosh. Special Requirements: Multiplan and a printer.*

Tax Master helps calculate and prepare U.S. tax returns by processing the following forms and schedules: 1040, 2106, A, B, C, D, E, W, and SE. Other forms and schedules are available from the program's manufacturer for \$12.50 each.

Tax Master does all necessary calculations for a user including taxes, totals, and subtotals. It also prints on IRS forms or plain paper, and a user can have multiple schedule Cs, Ds, or Es, and work sheets for any item.

Tax Master requires Microsoft Multiplan. Updated 1985 forms will be available in the fall for approximately \$50.

Mac Products
20231 San Gabriel Valley Dr.
Walnut, Calif. 91789
714-595-4838
Retail Price:
\$99 Without Multiplan
\$249 With Multiplan
Available now

Control Room

This office is real. You can order it now*.

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The data-based system solution for people who take care of business.

What is Odesta Helix™?

Helix is a data-based information management & decision support system. It provides a data-based "pool" into which you may put all kinds of information ---text, numbers, pictures, or ASCII data-communications (via MacTerminal™) ---without having to know a programming language or battle with command codes, modes, or imposed structure.

A System Solution--Once & For All.

Once information is entered, it is then just as easy to examine from any angle, and use in any application. From reports, lists, and mail merge letters to analyses and interactive searches. All within Helix. And all without having to learn a query language, spread-sheet formulae, report formatting or data-base algebra.

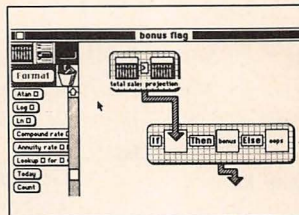
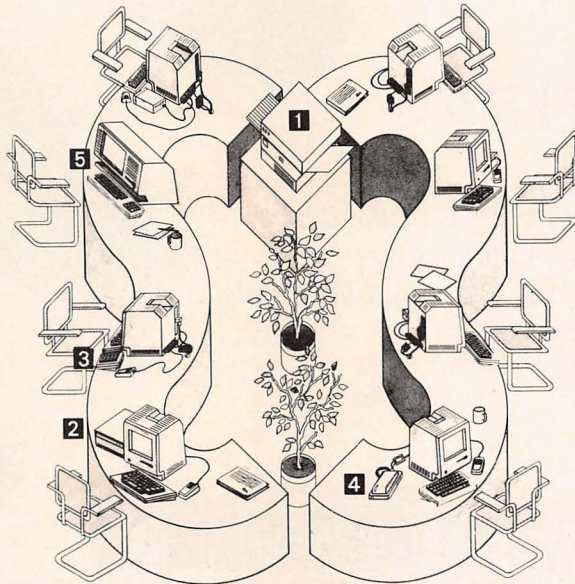
Bridging the Gap & Closing the Circle.

If you manage resources or information, you are probably already asking the next question:

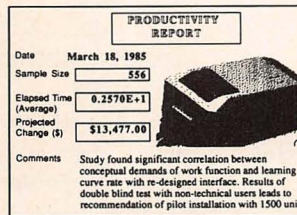
"Since Helix lets us build applications on top of a flexible data-based foundation, can we share that information within our business or department?"

Yes. Now you can have direct access to the real operational pulse of your organization---its contracts, orders, shipments, research or inventory. Information that you can easily query and evaluate with visual tools so innovative that they should be seen rather than described. That let you schedule projects and allocate resources based on historical data---and then re-formulate tactics and plans as conditions change.

And that let you close the circle by embedding your own flags in the system to give direction to others, and to manage by exception rather than rule.



One of the acclaimed innovations of Helix is the way you can visually manipulate powerful concepts and calculations almost as easily as you can say them. A manager may now build or specify applications using his or her own expertise --- instead of having to learn programming or rely on a programmer.



Since numbers, words, and pictures communicate more meaning when seen in context, Helix lets you work with them in any combination. Illustrated price lists, personnel documentation, training materials, competitive analysis research...

How Real is Real?

Visit a dealer who can demo Helix and The Macintosh™ Office. Take a seat and make it real for yourself. Or call us at 1-800-323-5423 (Illinois: 1-312-498-5615) or send us the coupon to get a free copy of our "Control Room" brochure, including samples of actual LaserWriter output.

* Available at any Businessland™ Center or Moore Business Center. For the name of other Helix dealers near you, call Softsel at 1-800-556-2283.

Room With a View

Ask someone about Helix who is using it, and you will understand why it has been a best selling business program since it began shipping January 11, 1985. Then combine its dynamic flexibility and personal control with the concept of shared resources, and you may decide that our version of The Macintosh Office warrants your serious consideration.

Interior Design

As a manager, you practice the art of hitting a moving target. The success of your aim depends on knowing where you stand. That is specifically what Odesta Helix is designed to provide, and what The Macintosh Office offers as a cost-effective vehicle. Existing mainframes, minis, and personal computers are either too unresponsive, inflexible, or limited to provide you with the hour to hour, day by day answers you require. And since these two types of systems are so different, and serve such different sets of needs, we suggest that parallel installations will develop naturally, and complement one another.

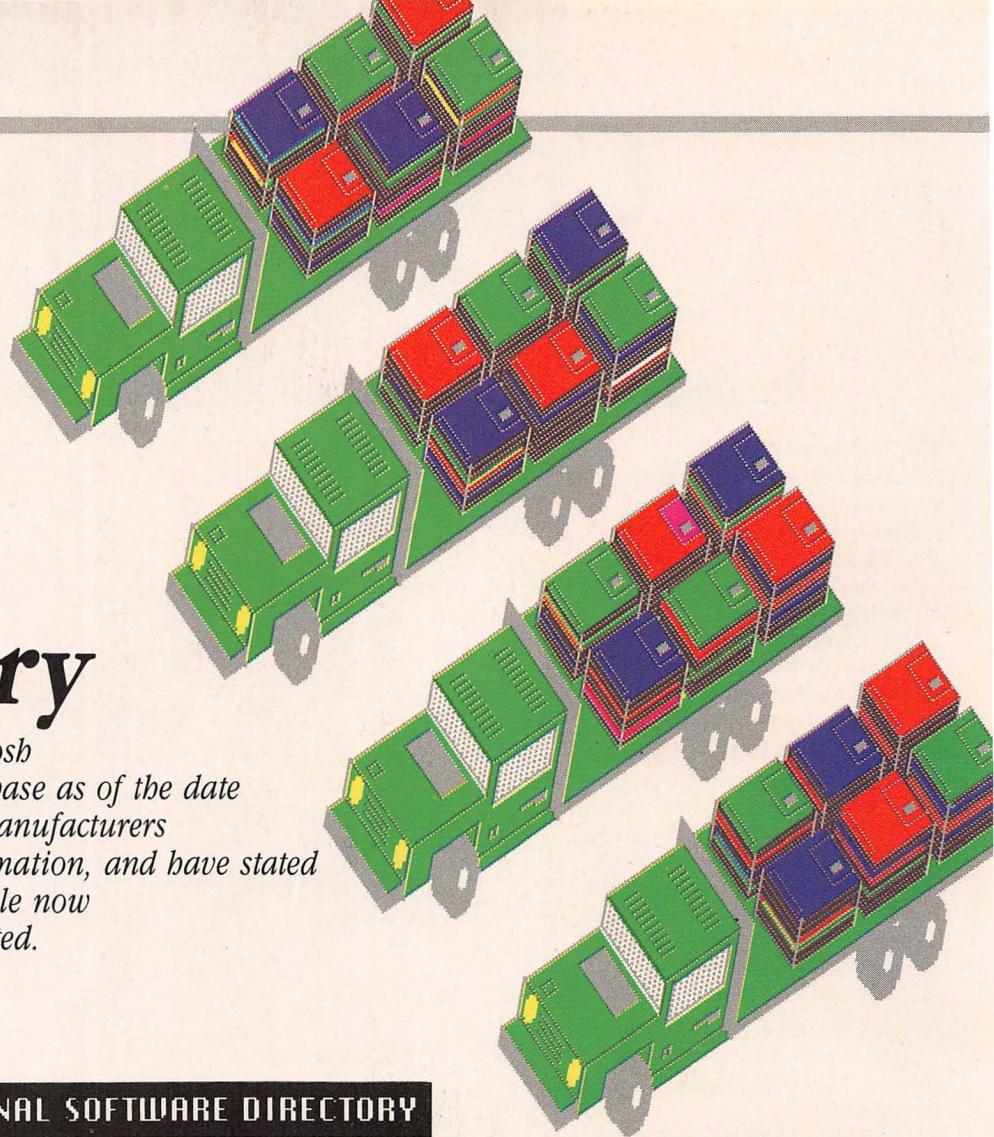
Knobs & Buttons

- 1 Odesta Helix drives the LaserWriter with many Macintoshes at once, producing publication-ready reports, documents with numbers, text, and picture data, and irresistible mail-merge letters.
- 2 With the Corvus OmniDrive™ and OmniTalk™ Helix uses shared mass storage and supports sequentially shared files.
- 3 By fully supporting the keypad, Helix makes numeric data entry completely independent of keyboard and mouse.
- 4 Modem based data-communication for remote Helix file transfers, as well as for ASCII file Dump & Load to other programs and machines.
- 5 Helix supports the Macintosh XL (and Lisa™ under MacWorks™), using its full screen and running unfettered on its hard disk (as well as such 3rd party hard disks as the Corvus™ HyperDrive™ and Quark™).



Product Directory

Here are listings of all Macintosh products in our data base as of the date this issue went to press. The manufacturers have supplied all the information, and have stated that their products are available now unless otherwise indicated.



BUSINESS & PROFESSIONAL SOFTWARE DIRECTORY

ACCOUNTING

Auto Accountant Business Series

Stylo Software, Inc., see page 24

Back to Basics Accounting System General Ledger

Accounting

System Requirements: 128K or 512K Macintosh; two disk drives.

\$175 retail

Peachtree Software; 3445 Peachtree Rd. NE; Atlanta, Ga. 30326; 800-554-8900

BIZMAC Small Business and BIZMAC Client Write-Up

Accounting

System Requirements: 128K or 512K Macintosh or Macintosh XL; external disk drive.

Applied Logic Systems, Inc.; 2614 N 29th Ave.; Phoenix, Ariz. 85009; 602-272-9355

Complete Accounts

Accounting

System Requirements: 128K or 512K Macintosh; two drives or a hard disk recommended. Also runs on Macintosh XL.

\$349 retail

Rune Software; 80 Eureka Sq., Suite 214; Pacifica, Calif. 94044; 415-355-4851

dbspay

Payroll

System Requirements: 128K or 512K Macintosh. Special Requirements: External drive for 50 or more employees, and Imagewriter printer.

\$275 retail

Deverill Business Systems; 26-32 Hill St.; Poole, Dorset, England; 202-670-852

Gallery

Accounting

System Requirements: 128K or 512K Macintosh.

\$795 retail (Four-module package)

Micomax Systems, Inc.; 6868 Nancy Ridge Dr.; San Diego, Calif. 92121; 619-457-3131

General Ledger

Accounting

System Requirements: 128K or 512K Macintosh.

\$295 retail

Applied Micro Solutions; PO Box 860; Fort Collins, Colo. 80522; 303-484-3541

General Ledger

Accounting

System Requirements: 128K or 512K Macintosh.

\$199 retail

Symposium, Inc.; 914 Silver Spring Ave., Suite 103; Silver Spring, Md. 20910; 301-587-6381

ACCOUNTING

Hardisk Accounting

Accounting

System Requirements: 128K or 512K Macintosh; Macintosh XL. Special Requirements: Hard-disk drive.

\$695 each module

Great Plains Software; PO Box 9739; Fargo, N.D. 58109; 701-281-0550

In-House Accountant

United Software Industries, see page 24

MacAccountant

Accounts payable/receivable, general ledger

System Requirements: 128K Macintosh. Special Requirements: Hard-disk drive for The Complete MacAccountant.

\$700 retail; The Complete MacAccountant

\$300 each; Individual programs

Superex Business Software; 151 Ludlow St.; Yonkers, N.Y. 10705; 800-862-8800 or 914-964-5200

Mac Business

Accounting

System Requirements: 128K or 512K Macintosh. Special Requirements: Microsoft BASIC.

\$24.95 retail

Dimensional Disks; PO Box 1180; Blaine, Wash. 98230; 604-584-2601

Maccountant

Accounting

System Requirements: 128K or 512K Macintosh.

\$195 retail

Digital Etc. Software Products; 1749 14th St.; Santa Monica, Calif. 90404; 213-452-5636 or 800-922-7500 (in Utah 800-662-2500) for free demo disk

Mac Junior Ledger

Accounting

System Requirements: 128K or 512K Macintosh; two disk drives or a hard disk.

\$245 retail

Lake Avenue Software; 77 N Oak Knoll, Suite 105; Pasadena, Calif. 91101; 818-792-1844

Palantir Financial Series

Palantir Software, see page 25

Rags To Riches

Accounting

System Requirements: 128K or 512K Macintosh; printer.

Chang Labs; 5300 Stevens Creek Blvd.; San Jose, Calif. 95129; 800-972-8800

RealWorld Accounting Systems

Accounting

System Requirements: 128K or 512K Macintosh; two disk drives.

\$745 retail; each module

\$345 retail; Sales Analysis

R.M.A.; #4 Doral Pl.; Richardson, Texas 75080; 214-680-9229

ZAP!Invoice

Aegis Development, Inc., see page 25

BUSINESS GRAPHICS

GRIDS

Soft Wares, Inc., see page 25

Microsoft CHART

Business graphics

System Requirements: 128K or 512K Macintosh.

\$125 retail

Microsoft Corporation; 10700 Northup Way, Box 97200; Bellevue, Wash. 98009; 206-828-8080

See also Integrated Software, page 106

COMMUNICATIONS

1stPORT

Communication; data conversion

System Requirements: 128K or 512K Macintosh.

\$95 retail

DeskTop Software Corporation; 244 Wall St.; Princeton, N.J. 08540; 609-924-7111

BLAST

Communications

System requirements: 512K Macintosh.

\$250 retail

Communications Research Group; 8939 Jefferson Hwy.; Baton Rouge, La. 70809; 504-923-0888

DeskNet

Communications

System Requirements: 128K or 512K Macintosh. Special Requirements: Modem or RS-232 cable.

\$125 retail

Applied Ideas, Inc.; 300 Goodhope Ave.; San Pedro, Calif. 90732

Dow Jones Straight Talk

Communications

System Requirements: 128K or 512K Macintosh. Special Requirements: Modem.

\$79 retail

Dow Jones & Company, Inc.; PO Box 300; Princeton, N.J. 08540; 800-257-5114

GriffinTerminal

Metaresearch, Inc., see page 28

GriffinTerminal 100

Metaresearch, Inc., see page 28

HabaCom

Communications

System Requirements: 128K or 512K Macintosh.

\$69.95 retail

Haba Systems; 15154 Stagg St.; Van Nuys, Calif. 91405; 818-989-5822

inTouch

Communications

System Requirements: 128K or 512K Macintosh.

\$149.95 retail

Software Masters; 3330 Hillcroft, Suite BB; Houston, Texas 77057; 713-266-5771

LEXIS/NEXIS

Communications software

System Requirements: 128K or 512K Macintosh; modem.

\$225 per diskette

Mead Data Central; PO Box 933; Dayton, Ohio 45401; 800-227-4908

Mac2624

Tymlabs Corporation, see page 28

MAC/3000

DPEX, Inc., see page 29

MacDasher

KAZ Business Systems, see page 29

COMMUNICATIONS

MacLink

Communications

System Requirements: 128K or 512K Macintosh. Special Requirements: Modems for the Macintosh and the IBM PC; or an interface cable. Inclusions: Two software diskettes; one for the Macintosh and one for the IBM Personal Computer; optional interface cable.
\$125 retail; MacLink

\$155 retail; MacLink with eight-foot interface cable

DataViz, Inc.; 16 Winfield St.; Norwalk, Conn. 06855; 203-866-4944

MacMail

Aegis Development, Inc., see page 29

MacTerm

Terminal emulation

System Requirements: 128K or 512K Macintosh.

\$99 retail

Infotek, Inc.; 56 Camille Ln.; E. Patchogue, N.Y. 11772; 516-289-9682

MacTerminal

Communications

System Requirements: 128K or 512K Macintosh; Apple (or other compatible) modem; RS-232 cable. For IBM 3278 communications, an AppleBus or Apple Cluster Controller is also required.

\$99 retail

Apple Computer, Inc.; 20525 Mariani Ave.; Cupertino, Calif. 95014; 408-973-3317

Market Link

Smith Micro Software, Inc., see page 30

MITE

Communications

System Requirements: 128K or 512K Macintosh.

\$145 retail

Mycroft Labs, Inc.; PO Box 6045; Tallahassee, Fla. 32314; 904-386-4051

Mouse Exchange BBS

Electronic bulletin-board system

System Requirements: 128K or 512K Macintosh. Special Requirements: Apple or Hayes-compatible modem, external disk drive or hard disk recommended.

\$39.95 retail

Dreams of the Phoenix, Inc.; PO Box 10273; Jacksonville, Fla. 32247; 904-396-6952

Mouse Exchange Terminal

Communications

System Requirements: 128K or 512K Macintosh; one or two disk drives or any hard disk. Special Requirements: Modem.

\$39.95 retail

Dreams of the Phoenix, Inc.; PO Box 10273; Jacksonville, Fla. 32207; 904-396-6952

PC to MAC and BACK

Communications

System Requirements: 128K or 512K Macintosh; modem recommended. 128K IBM PC; one disk drive; modem recommended. Inclusions: User's guide, Macintosh disk; IBM PC diskette.

\$149.95 retail

dilithium Press; 8285 SW Nimbus, Suite 151; Beaverton, Oreg. 97005; 503-646-2713

PROCOM-M

Communications

System Requirements: 128K or 512K Macintosh; and any Prometheus-compatible or Hayes command-compatible modem.

\$99 retail; PROCOM-M

\$549 retail; MAC PAC

Prometheus Products, Inc.; PO Box 4156; Fremont, Calif. 94539; 415-490-2370

Smartcom II

Hayes Microcomputer Products, Inc., see page 30

Tekalike

Communications

System Requirements: 128K or 512K Macintosh. Special Requirements: A modem is optional.

\$250 retail

Mesa Graphics; PO Box 506; Los Alamos, N.M. 87544; 505-672-1998

Telescope

Mainstay, see page 30

CREATIVE

500 Menu Patterns for MacPaint

Paint-bucket patterns

System Requirements: 128K or 512K Macintosh. Special Requirements: MacPaint.

\$29.95 retail

FingerTip Software; PO Box 4917; Long Beach, Calif. 90804; 213-498-8064

Animation Toolkit #1 Advanced

Ann Arbor Softworks, Inc., see page 31

Animation Toolkit #2

Ann Arbor Softworks, Inc., see page 31

ClickArt Effects

MacPaint enhancer; special effects

System Requirements: 128K or 512K Macintosh.

\$49.95 retail

T/Maker Company; 2115 Landings Dr.; Mountain View, Calif. 94043; 415-962-0195

ClickArt Personal Graphics

Drawings, illustrations

System Requirements: 128K or 512K Macintosh.

\$49.95 retail

T/Maker Company; 2115 Landings Dr.; Mountain View, Calif. 94043; 415-962-0195

ClickArt Publications

Drawings, illustrations

System Requirements: 128K or 512K Macintosh. Special Requirements: MacPaint, MacWrite, or any compatible program.

\$49.95 retail

T/Maker Graphics; 2115 Landings Dr.; Mountain View, Calif. 94043; 415-962-0195

ConcertWare

Great Wave Software, see page 31

Deluxe Music Construction Set

Electronic Arts, see page 36

Designs for MacPublishing

Boston Software Publishers, Inc., see page 36

Easy Trace

Heizer Software, see page 36

Graphics Magician

Penguin Software, see page 37

Headline Graphics

Typefaces; illustrations

System Requirements: 128K or 512K Macintosh. Special Requirements: MacPaint.

\$24.95 retail

American Softwerkz; PO Box 678; Brandon, Fla. 34299; 813-626-0755

High Flyers Vol. 1

Famous-person images

System Requirements: 128K or 512K

Macintosh.

\$29.95 retail

Macadam Publishing, Inc.; 4700 SW Macadam Ave.; Portland, Ore. 97201; 503-241-8060

Maccessories Graphic Accents

Drawings, illustrations

System Requirements: 128K or 512K

Macintosh.

\$49.95 retail

Kensington Microware Ltd.; 251 Park Ave. S; New York, N.Y. 10010; 212-475-5200

MacGrid

Drawing aid

System Requirements: 128K or 512K

Macintosh. Inclusions: Plastic overlays.

\$39.95 retail

Diablo Valley Design; 4103 Hidden Valley Rd.; Lafayette, Calif. 94549; 415-283-1082

Macintosh Photo Album #1

Video images

System Requirements: 128K or 512K

Macintosh.

\$49.95 retail

Design Loft, Inc.; PO Box 1650; Palo Alto, Calif. 94302; 415-493-9500

MacMemories Series

ImageWorld, Inc., see page 37

MacSlideshow

Presentation graphics

System Requirements: 128K or 512K

Macintosh.

\$195 retail

American Intellware Corporation; 330

Washington St., Suite 400; Marina Del Rey,

Calif. 90292; 213-827-0803

Mac The Knife/Volume One: Sampler

Drawings, illustrations; fonts

System Requirements: 128K or 512K Macintosh.

\$39 retail

Miles Computing, Inc.; 21018 Osborne St., Bldg. 5; Canoga Park, Calif. 91304;

818-994-7901

MacVision

Video digitizer

System Requirements: 128K or 512K Macintosh. Special Requirements: Video camera, VCR, or other video source. Inclusions: Digitizing hardware and software.

\$399.95 retail

Koala Technologies Corp.; 2065 Junction Ave.; San Jose, Calif. 95131; 800-562-2327

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CREATIVE

MAGIC

Video digitizer

System Requirements: 128K or 512K Macintosh. Special Requirements: MacPaint. Inclusions: Hardware and software.

\$399 retail; Without camera

\$549 retail; With camera

New Image Technology, Inc.; 10300 Greenbelt Rd., #104; Seabrook, Md. 20706; 301-464-3100

Magic Slate

Devionics, see page 38

McPic! and McPic! Volume 2

Drawings, illustrations

System Requirements: 128K or 512K Macintosh. Inclusions: 28-page Hint Manual with each program.

\$49.95 retail; McPic!

\$49.95 retail; McPic! Volume 2

Magnum Software; 21115 Devonshire St., Suite 337; Chatsworth, Calif. 91311; 818-700-0510

MICRO-IMAGER

Video digitizer

System Requirements: 128K or 512K Macintosh. Special Requirements: MacPaint. Inclusions: Software interface and cable.

\$399 retail

Servidyne Micro Systems, Inc.; 1735 DeFoor Pl. NW; PO Box 93846; Atlanta, Ga. 30377; 404-352-2050

Music Character Set

Music notation

System Requirements: 128K or 512K Macintosh. Special Requirements: MacPaint.

\$24.95 retail

South Bay Software; PO Box 969; Millbrae, Calif. 94030; 415-579-5455

Music Shop

Music composition

System Requirements: 128K or 512K Macintosh.

Available second half, 1985

Broderbund Software; 17 Paul Dr.; San Rafael, Calif. 94903; 415-479-1170

MusicType

Music notation

System Requirements: 128K or 512K Macintosh. Special Requirements: MacPaint. Inclusions: Keyboard template.

\$49.95 retail

Shaherazam; PO Box 26731; Milwaukee, Wis. 53226; 414-442-7503

MusicWorks

Music composition

System Requirements: 128K or 512K Macintosh.

\$79.95 retail

Hayden Software Company, Inc.; 600 Suffolk St.; Lowell, Mass. 01854; 617-937-0200

The Pattern Collection Volume 1

RoZet, see page 38

The Pixel Artist System

Color graphics

System Requirements: 512K Macintosh; Macintosh XL.

Micro Core Ltd.; 5 Broomfield Rd.; Chelmsford, Essex CM1 1SY; England; 0245-264230

Presentations

Graphics; borders; symbols

System Requirements: 128K or 512K Macintosh. Special Requirements: MacPaint.

\$29.95 retail

Software Apple-cations; 11510 Alejandro; Boise, Idaho 83709; 208-322-8910

The Print Shop

Broderbund Software, see page 38

Professional Composer

Music composition

System Requirements: 512K Macintosh.

\$495 retail

Mark of the Unicorn; 222 Third St.; Cambridge, Mass. 02130; 617-576-2760

The Slide Show Magician

Graphics; special effects

System Requirements: 128K or 512K Macintosh.

\$59.95 retail

Magnum Software; 21115 Devonshire St., Suite 337; Chatsworth, Calif. 91311; 818-700-0510

SmArTmouse

Drawings, illustrations

System Requirements: 128K or 512K Macintosh.

\$39.95

Pleasant Graphic Ware; PO Box 506; Pleasant Hill, Oreg. 97455; 503-741-1401

SmoothTalker

Speech-synthesis software

System Requirements: 128K or 512K Macintosh.

\$149.95 retail

First Byte, Inc.; 2845 Temple Ave.; Long Beach, Calif. 90806; 213-595-7006

SongPainter

Music composition

System Requirements: 128K or 512K Macintosh.

\$59.95 retail

Rubicon Publishing; 6300 La Calma Dr., Suite 100; Austin, Texas 78752; 512-454-5004

TALKSHOW

Vocalized graphics environment

System Requirements: 128K or 512K Macintosh.

\$149 retail

Rune Software; 80 Eureka Sq., Suite 214; Pacifica, Calif. 94044; 415-355-4851

Total Music

Southworth Music Systems, Inc., see page 38

VideoWorks

Hayden Software Company, Inc., see page 39

DATA BASE

1stBASE

Data-base management

System Requirements: 128K or 512K

Macintosh.

\$195 retail

DeskTop Software Corporation; 244 Wall St.; Princeton, N.J. 08540; 609-924-7111

Brock Keystroke Relational Data Base and Report Generator

Data-base management

System Requirements: 128K or 512K Macintosh; or Macintosh XL.

\$395 retail

Brock Software Products, Inc.; 8603 Pyott Rd.; PO Box 799; Crystal Lake, Ill. 60014; 815-459-4210

DataFast

Statsoft, see page 39

DB MASTER for the Macintosh

Information management; data base

System Requirements: 128K or 512K

Macintosh; printer recommended.

\$195 retail

Stoneware, Inc.; 50 Belvedere St., San Rafael, Calif. 94901; 415-454-6500

Dimensional Filer

File manager

System Requirements: 128K Macintosh. Spe-

cial Requirements: Microsoft BASIC.

\$24.95 retail

Dimensional Disks; PO Box 1180; Blaine, Wash. 98230; 604-584-2801

Factfinder

Data organization and management

System Requirements: 128K or 512K

Macintosh.

\$150 retail

Forethought, Inc.; 1973 Landings Dr.; Mountain View, Calif. 94043; 800-622-9273

FileMaker

Forethought, Inc., see page 39

Filevision

Data-base management

System Requirements: 128 or 512K

Macintosh.

\$195 retail

Telos Software Products; 3420 Ocean Park Blvd.; Santa Monica, Calif. 90405; 800-554-2469 or 800-423-6322 in Calif.

FlexFile

File management; data base

System Requirements: 128K or 512K

Macintosh.

\$49.95 Introductory

Software Discoveries, Inc.; 99 Crestwood Rd.; Tolland, Conn. 06084; 203-872-1024

"I Know It's Here Somewhere!"

Filing system

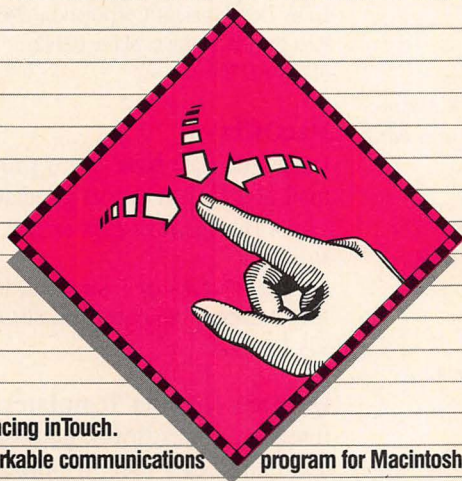
System Requirements: 128K or 512K

Macintosh.

\$59.95 retail

Hayden Software Company, Inc.; 600 Suffolk St.; Lowell, Mass. 01854; 800-343-1218

inTOUCH



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inTouch transfers information between Macintosh and most other computers with three industry-standard protocols and baud rates to 19,200. Programmable function keys and CCL (Communications Command Language) let you tailor inTouch to your situation and automate repetitive tasks. Plus, inTouch emulates most popular terminals, including Televideo and VT-100. Get inTouch. And you will be.

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DATA BASE

The Jovian Database System

Data-base management

System Requirements: 128K or 512K Macintosh. Inclusions: Forms generator.

\$49.95 retail

Jovian System Software; PO Box 6993; New Orleans, La. 70174; 504-392-8538

LaserBase

Laser Software International, Ltd., see page 42

MacAdvantage:MailManager

Mailing-list, form-letter generator

System Requirements: 128K or 512K Macintosh.

\$119 retail

SofTech Microsystems; 16875 West Bernardo Dr.; San Diego, Calif. 92127; 800-451-8080 or 800-824-7867 in Calif.

MacLion

Data-base management

System Requirements: 128K or 512K Macintosh; second drive recommended.

\$379 retail

Computer Software Design, Inc.; 1904 Wright Cir.; Anaheim, Calif. 92806; 714-634-1401

MegaFiler

Data-base management

System Requirements: 128K or 512K Macintosh.

\$195 retail

Megahaus Corporation; 5703 Oberlin Dr.; San Diego, Calif. 92121; 619-450-1230

Microsoft FILE

File management, data base

System Requirements: 128K or 512K Macintosh.

\$195 retail

Microsoft Corporation; 10700 Northup Way, Box 97200; Bellevue, Wash. 98009; 206-828-8080

Odesta Helix

Information management; data base

System Requirements: 512K Macintosh or Macintosh XL; external disk drive.

\$395 retail

Odesta Corp.; 3186 Doolittle Dr.; Northbrook, Ill. 60062

OMNIS 2

Data base

System Requirements: 128K or 512K Macintosh. Special Requirements: Text editor (optional). Inclusions: Report generator.

\$275 retail

Organizational Software Corp.; 2655 Campus Dr., Suite 150; San Mateo, Calif. 94403; 415-571-0222

OMNIS 3

Data-base manager

System Requirements: 512K Macintosh.

\$445 retail

Organizational Software Corp.; 2655 Campus Dr., Suite 150; San Mateo, Calif. 94403; 415-571-0222

OverVUE 2.0

ProVUE Development Corp., see page 42

PFS:File and Report

File management; data base; report organizer

System Requirements: 128K or 512K Macintosh. Second disk drive recommended for large files.

\$175 retail

Software Publishing Corporation; 1901 Landings Dr.; Mountain View, Calif. 94043; 415-962-8910

Please

Data-base management

System Requirements: 128K or 512K Macintosh; two double-sided disk drives or a hard disk.

\$199 retail

Hayes Microcomputer Products, Inc.; 5923 Peachtree Industrial Blvd.; Norcross, Ga. 30092; 404-441-1617

RGS File +

Rio Grande Software, Inc., see page 42

RGS Softmaker II

Rio Grande Software, Inc., see page 42

ValueSoft Manager

ValueSoft Inc., see page 44

ZipFinder

SoftIdea, see page 44

See also Integrated Software section, this page

INTEGRATED

Ensemble

Integrated data base, report and form generator, graphics, word processor, calculator

System Requirements: 128K or 512K Macintosh.

\$299.95 retail

Hayden Software Company, Inc.; 600 Suffolk St.; Lowell, Mass. 01854; 617-937-0200

Harmony

Integrated data base, time manager, word processor, print spooler, communications, calculator

System Requirements: 128K or 512K Macintosh.

Intermatrix; 5543 Satsuma Avenue, North Hollywood, Calif. 91601; 818-509-0474

Jazz

Integrated spread sheet, data base, word processor, graphics, communications

System Requirements: 512K Macintosh with external disk drive. Optional Hardware:

Printer; modem; numeric keypad.

Available second quarter, 1985

Lotus Development Corporation; 245 First St.; Cambridge, Mass. 02142; 617-494-1270

MacOffix

Integrated data base, word processor, mail merge, and report generator

System Requirements: 128K or 512K Macintosh.

Emerging Technology Consultants, Inc.; 1877 Broadway; Boulder, Colo. 80302; 303-447-9495

Quartet; Quartet Templates

Integrated spreadsheet, graphs, text editor, data base; templates

System Requirements: 128K or 512K Macintosh.

\$199.95 retail; Quartet

\$49.95; Quartet Templates

Haba Systems; 15154 Stagg St.; Van Nuys, Calif. 91405; 818-989-5822

THE MACINTOSH OFFICE

3Com EtherSeries

Networking hardware and software
System Requirements: 128K or 512K Macintosh; AppleTalk Personal Network.

The 3Com 3Server network server functions in its basic configuration as both an AppleTalk file server and printer server. The 3Server can at the same time function as a server to IBM PCs and other personal computers on 3Com's Ethernet network system.
Retail Prices:

\$7,995 3Server

\$3,995 3Server 360MB Expansion Disk

\$3,295 3Server 60MB Tape Backup

\$995 3Server 384K Memory Expansion Board

Available now; 3Server for use with 3Com's Ethernet product line.

Available Summer, 1985; EtherSeries software for Macintosh and AppleTalk support; 3Server Port Expansion Board

3Com Corporation; PO Box 7390; Mountain View, Calif. 94039; 415-960-9200

ALPS Writing Lab

Text analysis

System Requirements: 128K or 512K Macintosh; AppleTalk. Recommended: Apple LaserWriter printer and a Macintosh XL.

The ALPS Writing Lab provides an integrated set of text-analysis programs for English students that identify writing problems and suggest solutions.

A minimal installation might consist of 15 student computers in the lab, five remote units for faculty, a LaserWriter printer, and a Macintosh XL. This would support up to 500 freshman English students.

Automated Language Processing Systems; 190 West 800 North; Provo, Utah 84601; 801-375-0090

Apple LaserWriter

Laser printer

System Requirements: 128K or 512K Macintosh.

The Apple LaserWriter high-resolution printer allows a Macintosh user to produce text that is near typeset quality and graphics that appear to have come from an art department. It can be shared among a work group

of up to 31 people via the AppleTalk Personal Network.

The LaserWriter, an integral part of Apple's Macintosh Office concept, achieves full-page, 300-dots-per-inch output through a Canon LBP-CX10 engine, a built-in computer designed by Apple, and a software language called PostScript.

Available now (U.S. & Canada); \$6,995 retail
Available June, 1985 (internationally)
Apple Computer, Inc.; 20525 Mariani Ave.; Cupertino, Calif. 95014; 408-996-1010

AppleTalk Bernoulli Box

Data storage

System Requirements: 512K Macintosh; AppleTalk Personal Network.

The AppleTalk Bernoulli Box is a 20-megabyte disk server for the AppleTalk Personal Network consisting of two 10-megabyte drives, two 10-megabyte cartridges, AppleTalk support software, and utilities.

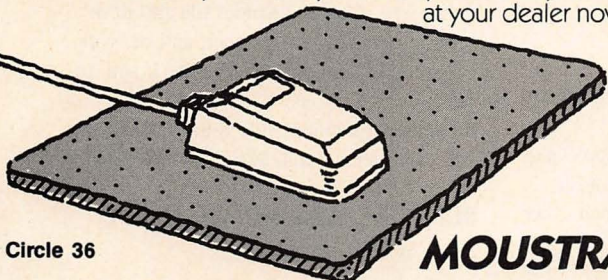
It uses Bernoulli Technology, which offers the benefits of both microfloppies (removability) and the hard disk (speed and capacity). Each cartridge may be partitioned for

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That's why thousands of Mac owners rely on the Moustrak. Its surface reduces mouse wear, keeps the rollers clean and the tracking smooth. Unlike your desktop.

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MAGIC includes a high quality B&W television camera, electronic interface, and application program on disk.

The complete MAGIC system is available for \$549.00. MAGIC without camera is \$399. A demo disk is available for \$9.95. Visa and MasterCard are accepted. Maryland residents add 5% sales tax.

Call or write:

New Image Technology, Inc.
Suite 104, 10300 Greenbelt Rd.
Seabrook, MD 20706
301/464-3100

Circle 37

THE MACINTOSH OFFICE

multiple users and each partition may be password protected.
Available July, 1985
IOMEGA Corporation; 1821 West 4000 S;
Roy, Utah 84067; 801-776-7330

AppleTalk Personal Network

General-purpose network

System Requirements: 128K or 512K Macintosh. Inclusions: AppleTalk connector and cable.

The AppleTalk Personal Network lets computers using The Macintosh Office concept share peripherals and connect together within a work area of approximately 1,000 feet. A single AppleTalk network can connect up to 32 devices, with computers and peripherals configured in any combination. Much of AppleTalk's architecture is already built into the Macintosh, reducing network load. Available now (U.S. & Canada); \$50 per connection
Available June, 1985 (internationally)
Apple Computer, Inc.; 20525 Mariani Ave.; Cupertino, Calif. 95014; 408-996-1010

The Keeper

Mass storage; file server; print server/spooler

System Requirements: 512K Macintosh; AppleTalk Personal Network.

The Keeper, a hard-disk/file-server system, can be used with multiple Macintoshes on AppleTalk or with a single Macintosh computer. In a network situation, the Keeper's file server lets multiple users read and write to the same volume with no special software required.

The Keeper is available in six configurations including combinations of fixed hard disks and five-megabyte, removable hard disk cartridges. Capacities range from five to thirty megabytes.
\$2,195 and up, depending on hard disk chosen
Micro-Design; 6301 Manchaca Rd.; Austin, Texas 78745; 512-441-7890 or 800-531-5002

MacAIDE

AppleTalk controller

System Requirements: 128K or 512K Macintosh; AppleTalk Personal Network.

MacAIDE is a device—optimized for I/O processing—intended to function as a server, or slave, on an AppleTalk Personal Network.

It will behave like a backplane or motherboard for Macintosh system expansion.

According to its maker, MacAIDE will be used most often by OEMs to ready new products for use on the AppleTalk Personal Network quickly and without a lot of engineering effort.
Infosphere, Inc.; 4730 SW Macadam Ave.; Portland, Ore. 97201; 503-226-3620

Mail Center

Information transfer

System Requirements: 128K or 512K Macintosh.

Mail Center provides a way for Macintosh users on the AppleTalk Personal Network to send and receive information.

It's made up of two separate programs called Application and Receiver. The first may be used to send information to any person on the network. The latter attaches to the operating system of any other program and monitors all information on the network, storing data sent to its mailbox. Available second quarter, 1985
Videx, Inc.; 1105 NE Circle Blvd.; Corvallis, Ore. 97330; 503-758-0521

MegaForm

Electronic forms processor

System Requirements: 512K Macintosh.

MegaForm is a forms and report generator that also acts like a spreadsheet, graphics package, and data base all in one. It is a business product for the 512K Macintosh that can work alone or as part of an integrated software system.

MegaForm allows a user to create any kind of form desired. It also contains several ready-made forms that can be used if needed. Because MegaForm can read information from a MegaFiler data base and perform calculations, a user can even design a form and instruct the program to fill it out.
\$295 retail
Megahaus Corporation; 5703 Oberlin Dr.; San Diego, Calif. 92121; 619-450-1230

NetWare/MAC

Networking system

System Requirements: 128K or 512K Macintosh; AppleTalk Personal Network.

NetWare/MAC will support the AppleTalk Personal Network and enable Macintosh computers to communicate with each other and with various IBM personal computers and compatibles.

Proprietary NetWare Operating Systems Software also supports local-area networks

such as OMNINET, G-NET, proNET, Etherlink, Plan 2000, Multilink, ARC-PC, Personal Mini, Quadnet, and NetWare/S-Net. Available third quarter, 1985
Novell, Inc.; 1170 N Industrial Park Dr.; Orem, Utah 84057; 801-226-8202 or 800-526-5463

The NETWAY 1000A AppleTalk Gateway

Tri-Data, see page 44

OMNINET

Corvus Systems, Inc., see page 47

OmniTalk

Corvus Systems, Inc., see page 47

PageMaker

Publishing tool

System Requirements: 128K or 512K Macintosh. Special Requirements: Printer, plus word-processing and graphics software.

PageMaker allows a writer, editor, graphic artist, or business person with a Macintosh or Macintosh XL running MacWorks to design and produce camera-ready page layouts.

The user can print out a finished page using reverse type and background tints, depending on the capabilities of the printer used.

Available second quarter, 1985; \$495 retail
Aldus Corporation; 616 First Ave., Suite 400; Seattle, Wash. 98104; 206-467-8165

ParaServ

File, print server

System Requirements: 512K Macintosh; AppleTalk Personal Network.

ParaServ is a file and print server that works with the AppleTalk Personal Network. It is designed to serve the Macintosh and Apple IIe and II+ personal computers.

ParaServ hardware consists of a server processor, a single board computer in the form of an interface card that resides in an Apple IIe expansion slot.

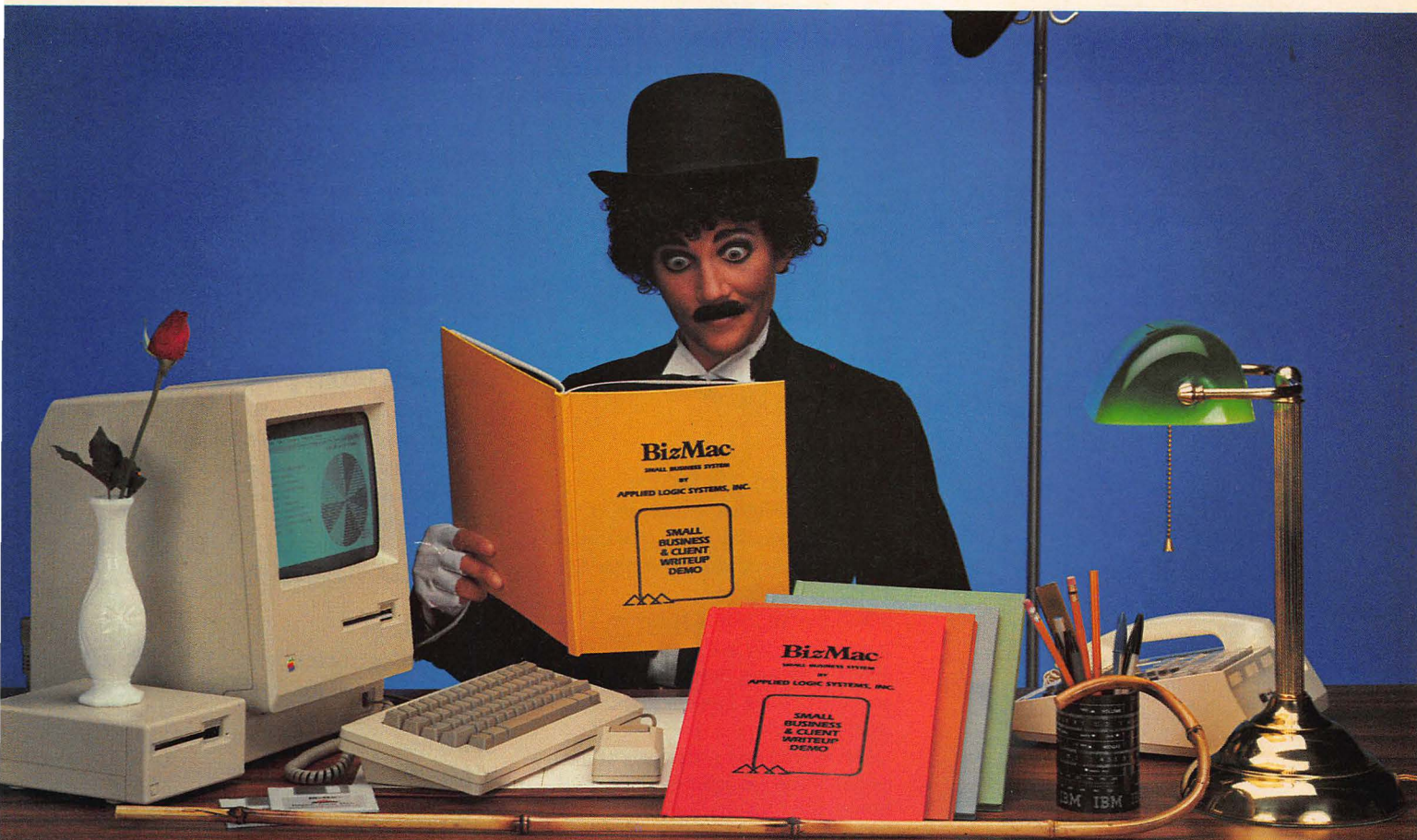
ParaServ software includes file and print service, network management, and network communications for both Macintosh and Apple II users.

ParaMIS Corporation; 1011 Briosio Dr., Suite 101; Costa Mesa, Calif. 92627; 714-646-1633

SUN*MAC Mass Storage Server

Sunol Systems, see page 48

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THE MACINTOSH OFFICE

TOPS

Networking software

System Requirements: Up to 32 128K or 512K Macintoshes. Special Requirements: AppleTalk.

With TOPS software users can link up to 32 Macintosh computers without any additional hardware except cables. In addition, Macintosh computers can be linked to IBM PCs over AppleTalk using inexpensive TOPS PC cards. TOPS software is compatible with the AppleTalk Personal Network.

Centram Systems West, Inc.; 2372 Ellsworth Ave.; Berkeley, Calif. 94704; 415-644-8244

Ultra-Office

Unix/Macintosh network

System Requirements: 128K or 512K Macintosh.

Ultra-Talk, Release 1 of the Ultra-Office family of products, links 20 to 30 Macintosh computers to a central, Unix-based microcomputer called a cluster processor. Additional cluster processors may be joined together via a local-area network such as Ethernet to support larger systems.

Available now (Release 1)

\$2,000 retail; Unix component

\$300 retail; Each Macintosh component
Lutzky-Baird Associates; 5601 Slauson Ave., Suite 222; Culver City, Calif. 90230; 213-649-3570

VINES

Virtual network system

System Requirements: 128K or 512K Macintosh.

Vines provides communications compatibility between the Macintosh and IBM, AT&T, and other computers.

Available third quarter, 1985

\$16,900 to \$40,000 retail

Banyan Systems, Inc.; 135 Flanders Rd.; Westboro, Mass. 01581; 617-366-6681

WOSbase

Multi-user data base

System Requirements: 512K Macintosh. Special Requirements: AppleTalk Personal Network for multi-users.

WOSbase is a data-base program that allows multiple Macintoshes running on the

AppleTalk Personal Network to share the same data. It includes facilities for file design, data entry, reporting, and mass updates.

The program's multi-user capability allows several users to simultaneously add, change, remove, or page through data in the same field.

\$495 retail; Multi-user version

\$50 retail; Each additional user on network
WOS Data Systems, Inc., 455 Austin, PO Box 744; Colby, Kan. 67701; 913-462-7581

XINET

MT XINU, see page 48

XL/Serve

Network hard-disk server

System Requirements: Macintosh XL, Lisa 2/5 or 2/10 plus any group of Macintoshes or Lisas on the AppleTalk Personal Network; MacWorks XL.

XL/Serve will allow a Macintosh XL to function as a disk and print server over the AppleTalk Personal Network. It allows all computers on the network to share hard-disk space and printers.

The server allows partitioning of the host hard disk into a number of volumes that can be mounted read-only for common access or read-write for exclusive use, provides print-spooling capabilities, and will support up to 32 AppleTalk users.

\$195 retail

Infosphere, Inc.; 4730 SW Macadam Ave.; Portland, Ore. 97201; 503-226-3620

Zilog System 8000

Unix-based microcomputer; cluster processor

System Requirements: 20 to 30 128K or 512K Macintoshes; Ultra-Talk; and the AppleTalk Personal Network.

Any Zilog System 8000 Unix-based microcomputer can serve as a cluster processor, allowing access to multiple Macintoshes linked together via Lutzky-Baird's Ultra-Talk and the AppleTalk Personal Network.

This link allows Macintosh users to access the Unix microcomputer and use it as a file server, central host, and more.

Zilog, Inc.; 1315 Dell Ave.; Campbell, Calif. 95008; 408-370-8000

MISC. MANAGEMENT

Business Analysis

Work-sheet templates

System Requirements: 128K or 512K Macintosh. Special Requirements: Multiplan.

\$49.95 retail

Allegro Software; 79 Milk St., Suite 1108; Boston, Mass. 02109; 800-343-0664 or 800-322-1233, ext. 5500

Business Forms 1

Business forms on disk

System Requirements: 128K Macintosh. Special Requirements: MacPaint and MacWrite; Microsoft BASIC is optional.

\$15 donation

Computer Aide; 1063 Silver Tip Way; Sunnyvale, Calif. 94086; 408-984-2558

Consultant

Idea management; project planning

System Requirements: 128K or 512K Macintosh.

\$200 retail

Organization Development Software, Inc.; 1605 S Garden St.; Palatine, Ill. 60067; 312-397-1684

dbForm

Payroll-forms design

System Requirements: 128K or 512K Macintosh; two disk drives. Special Requirements: dbPay.

\$195 retail

Deverill Business Systems; 26-32 Hill St.; Polle, Dorset, England, BH15 1NR; 0202-670852

Desk Pak

Network Consulting, Inc., see page 48

DrawForms

Datafood Software Company, see page 49

Facilitator

Organization Development Software, see page 49

Financial Overlays for Multiplan

Financial analysis

System Requirements: 128K or 512K Macintosh. Special Requirements: Multiplan.

\$100 retail

RealData, Inc.; PO Box 691; Southport, Conn. 06490; 203-255-2732 or 203-838-2670

Financial Utilities Pak

Cognitive Software, see page 49

Forecasting and Time Series Software

Lionheart Press, Inc., see page 52

Harris Loan Calculations/Comparisons

Financing, refinancing

System Requirements: 128K or 512K

Macintosh.

Harris Technical Systems; 624 Peach St.; Lincoln, Neb. 68501; 402-476-2811

Human Edge Software

Communicating; personal evaluation

System Requirements: 128K or 512K

Macintosh.

\$195 retail; The Communication Edge

\$250 retail; The Management Edge

\$250 retail; The Sales Edge

\$295 retail; The Negotiation Edge

\$50 retail; Mind Prober

Human Edge Software Corp.; 2445 Faber Pl.; Palo Alto, Calif. 94303; 800-624-5227

Inventory Manager

Inventory control; accounts receivable

System Requirements: 128K or 512K Macintosh; two disk drives or a hard disk.

\$300 retail; Inventory Manager

\$450 retail; Inventory Manager with

Accounts

Superex Business Software; 151 Ludlow St.;

Yonkers, N.Y. 10705; 800-862-8800 or

914-964-5200

Invenu

Small-business inventory

System Requirements: 128K or 512K Macintosh; one disk drive (two recommended).

Special Requirements: Microsoft BASIC.

\$295 retail; Without Microsoft BASIC

\$395 retail; With Microsoft BASIC

Eureka Computer Systems, Inc.; PO Box

2308; Corsicana, Texas 75110; 214-872-2501

MacChoice

Decision-making aid

System Requirements: 128K or 512K

Macintosh.

\$49.95 retail

Superex Business Software; 151 Ludlow St.;

Yonkers, N.Y. 10705; 800-862-8800 or

914-964-5200

MacFinance

Financial analysis, management

System Requirements: 128K or 512K

Macintosh.

\$99.95 retail

Superex Business Software; 151 Ludlow St.;

Yonkers, N.Y. 10705; 800-862-8800 or

914-964-5200

MacForms

Business forms on disk

System Requirements: 128K or 512K Macintosh. Special Requirements: MacPaint.

\$79.95 retail, 4-disk set

Datafood Software Company; 400 Country

Dr., Suite H; Dover, Del. 19901; 302-736-9098

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MISC. MANAGEMENT

MacLabeler

Disk-labeling system
System Requirements: 128K or 512K Macintosh; Imagewriter printer.
 \$49.95 retail
 Ideaform, Inc.; PO Box 1540; Fairfield, Iowa 52556; 515-472-7256

Micro Planner

Project management
System Requirements: 128K or 512K Macintosh.
 \$395 retail; Micro Planner
 \$25 retail; Demo
 Micro Planning Software USA; 235 Montgomery St., Suite 840; San Francisco, Calif. 94104; 415-788-3324

Optimization

Lionheart Press, Inc., see page 52

People In Places

Census data base
System Requirements: 128K or 512K Macintosh.
 \$49.95 retail
 Information Software; 100 Bush St., #200; San Francisco, Calif. 94104; 415-982-1592

Profit Projector/Breakeven Analysis

Decision support; financial analysis
System Requirements: 128K or 512K Macintosh.
 \$65 retail
 Harris Technical Systems; 624 Peach St.; PO Box 80837; Lincoln, Neb. 68501; 402-476-2811

Profit Stalker

Stock, commodity analysis
System Requirements: 128K or 512K Macintosh. Special Requirements: Microsoft BASIC.
 \$150 retail
 Button-down Software; PO Box 19493; San Diego, Calif. 92119; 619-234-0236

Resourceful

Paladin Software Corporation, see page 52

SoftForms

Business forms on disk
System Requirements: 128K or 512K Macintosh. Special Requirements: MacPaint.
 \$39.95 retail
 Artsci, Inc.; 5547 Satsuma Ave.; North Hollywood, Calif. 91601; 818-985-5763

Useful BASIC Programs

Footsteps Software, see page 52

OFFICE MANAGEMENT

Business Essentials

Assimilation, Inc., see page 54

Day Keeper Calendar

Time management
System Requirements: 128K or 512K Macintosh; or Macintosh XL.
 \$39.95 retail
 Dreams of the Phoenix, Inc.; PO Box 10273; Jacksonville, Fla. 32247; 904-396-6952

The Desk Organizer

Desk management; five integrated functions
System Requirements: 128K or 512K Macintosh.
 \$99 retail
 Warner Software, Inc.; 666 Fifth Ave.; New York, N.Y. 10103; 212-484-3070

DeskToppers

Desk accessories; four integrated functions
System Requirements: 128K or 512K Macintosh.
 \$49.95 retail
 Harvard Associates, Inc.; 260 Beacon St.; Somerville, Mass. 02143; 617-492-0660

Habadex

Desktop organizer; four integrated functions
System Requirements: 128K or 512K Macintosh.
 \$99.95 retail
 Haba Systems, Inc.; 15154 Stagg St.; Van Nuys, Calif. 91405; 818-989-5822

HabaSolutions

Problem-solving templates
System Requirements: 128K or 512K Macintosh.
 Available June, 1985; under \$50
 Haba Systems; 15154 Stagg St.; Van Nuys, Calif. 91405; 818-989-5822

Haba WindowDialer

Phone directory and dialing
System Requirements: 128K or 512K Macintosh; HabaDialer or modem.
 \$49.95 retail; WindowDialer
 \$89.95 retail; Bundled with HabaDialer
 Haba Systems, Inc.; 15154 Stagg St.; Van Nuys, Calif. 91405; 818-989-5822

MacCalendar

Appointment book
System Requirements: 128K or 512K Macintosh.
 \$89 retail
 Videx, Inc.; 1105 Northeast Circle Blvd.; Corvallis, Ore. 97330; 503-758-0521

MacDesk

Telecommunications; time management
System Requirements: 128K or 512K Macintosh. Inclusions: Terminal software and interface cable.
 \$99.95 retail
 Intermatrix; 5543 Satsuma Ave.; North Hollywood, Calif. 91601; 818-509-0474

MacOffice

Office management; 10 integrated functions
System Requirements: 128K or 512K Macintosh.
 \$49 retail
 Creighton Development, Inc.; 16 Hughes St., Suite C-100; Irvine, Calif. 92714; 714-472-0488

MegaDesk

Desktop organizer; three integrated functions

System Requirements: 128K or 512K

Macintosh.

\$125 retail

Megahaus Corporation; 5703 Oberlin Dr.; San Diego, Calif. 92121; 619-450-1230

Mighty Mac

Desktop management

System Requirements: 128K or 512K

Macintosh.

Mighty Mac is a desk accessory that allows the user to enter events, reminders, appointments, phone-directory information, and notes. It will access items in alphabetical or date/time sequence.

\$59.95 retail

Advanced Logic Systems; 195 E Arques Ave.; Sunnyvale, Calif. 94086; 408-730-0307

My Office

File management

System Requirements: 128K or 512K

Macintosh.

\$79.95 retail

DataPak Software; 14011 Ventura Blvd.; Sherman Oaks, Calif. 91423; 818-905-6419

Pythia-Terminer

Time management

System Requirements: 128K or 512K

Macintosh.

\$85 retail

Pythia Ltd; Gustav-Adolf-Str.5; 8000 Muenchen 21; West Germany; 089-583082

Quick Set

Desk management; five integrated functions

System Requirements: 128K or 512K

Macintosh; or Macintosh XL.

\$99.95 retail

EnterSet, Inc.; 410 Townsend St., Suite 408; San Francisco, Calif. 94107; 415-543-7644

TimeBase

Time management

System Requirements: 128K or 512K

Macintosh. Inclusions: Standard business forms and letters.

\$149.95 retail

SoftDesign, Inc.; 14145 SW 142 Ave.; Miami, Fla. 33186; 305-253-5521

Totalform

Nappo Computer Service, see page 54

Varioform

Mexoft Belgium, see page 54

WindoWare Calendar; Phone book

Calendar management; phone directory and dialer

System Requirements: 128K or 512K

Macintosh.

\$49 retail; WindoWare Calendar

\$49 retail; WindoWare Phone Book

\$79 retail; Calendar/Phone Book Combo

Macadam Publishing, Inc.; 4700 SW Macadam Ave.; Portland, Ore. 97201; 503-241-8060

PROGRAMMING

Advanced Development Tool Kit

Programming utilities

System Requirements: 128K or 512K

Macintosh.

\$150 retail

SofTech Microsystems, Inc.; 16875 West Bernardo Dr.; San Diego, Calif. 92127; 800-451-8080 or 800-824-7867 in Calif.

AELM-51 Assembler/Editor/Loader

Metaresearch, Inc., see page 56

Aztec C68k-c

Software development

System Requirements: 128K or 512K Macintosh; or Macintosh XL. Inclusions: Various utilities.

\$499 retail; Aztec C68k-c

\$299 retail; Aztec C68k-d

\$199 retail; Aztec C68k-p

Manx Software Systems; PO Box 55; Shrewsbury, N.J. 07701; 800-221-0440

BI-2

Control-C Software, Inc., see page 56

DeSmet C

C Ware Corporation, see page 56

ExperLisp

Experfelligence, Inc., see page 56

ExperLogo

Programming language

System Requirements: 128K or 512K

Macintosh.

\$149.95 retail

Experfelligence, Inc.; 559 San Ysidro Rd.;

Santa Barbara, Calif. 93108; 805-969-7871

Fortran-77 Development System

Programming utilities

System Requirements: 128K or 512K

Macintosh.

\$295 retail

SofTech Microsystems, Inc.; 16875 West Bernardo Dr.; San Diego, Calif. 92127; 800-451-8080 or 800-824-7867 in Calif.

Hippo-C Levels 1 and 2

C compiler

System Requirements: 128K or 512K

Macintosh.

\$149.95 retail; Hippo-C Level 1

\$399.95 retail; Hippo-C Level 2

Hippopotamus Software; 985 University Ave.,

Suite 12; Los Gatos, Calif. 95030;

408-395-3190

LightSource

Authoring system

System Requirements: 128K or 512K

Macintosh.

\$134.95 retail; Program diskette

\$19.95 retail; Demonstration diskette

Computer Learning Systems; RFD 8, Box

375; Concord, N.H. 03301; 603-783-4708

Linear and Non-linear Programming

Lionheart Press, Inc., see page 57

Logo for the Macintosh

Programming language

System Requirements: 128K or 512K

Macintosh.

\$124.99 retail

Microsoft Corp.; 10700 Northup Way, PO

Box 97200; Bellevue, Wash. 98009;

206-828-8080

PROGRAMMING

MacAdvantage: UCSD Pascal

Software development

System Requirements: 128K or 512K Macintosh; or Macintosh XL with MacWorks.

\$295 retail

SofTech Microsystems, Inc.; 16875 West Bernardo Dr.; San Diego, Calif. 92127; 800-451-8080 or 800-824-7867 in Calif.

MacASM

Software development

System Requirements: 128K or 512K Macintosh; or Macintosh XL with MacWorks.

\$125 retail

Mainstay; 28611B Canwood St.; Agoura Hills, Calif. 91301; 818-991-6540

Mac C and Mac C Toolkit

C compiler; development tools

System Requirements: 128K or 512K Macintosh.

\$375 retail; Mac C and Mac C Toolkit with floating point

Consulair Corporation; 140 Campo Dr.; Portola Valley, Calif. 94025; 415-322-2757

MacFORTH

Programming language

System Requirements: 128K or 512K Macintosh.

\$149 retail; MacFORTH Level 1

\$249 retail; MacFORTH Level 2

Creative Solutions, Inc.; 4701 Randolph Rd., Suite 12; Rockville, Md. 20852; 301-984-0262

MacFORTH Level 3

Developer's Kit

Creative Solutions, Inc., see page 57

MacFortran

Fortran 77 compiler with debugger

System Requirements: 128K or 512K Macintosh.

\$395 retail

Absoft Corp.; 4268 N Woodward; Royal Oak, Mich. 48072; 313-549-7111

Macintosh Pascal

Programming language

System Requirements: 128K or 512K Macintosh.

\$125 retail

Apple Computer, Inc.; 20525 Mariani Ave.; Cupertino, Calif. 95014; 408-973-3317

MacLanguage Series

TML Systems, see page 57

MacModula-2

Software development

System Requirements: 128K or 512K Macintosh.

\$150 retail

Modula Corporation; 950 N University Ave.; Provo, Utah 84604; 800-545-4842

MacNosy

Jasik Designs, see page 58

The Mac's Core

Programming instruction

System Requirements: 128K Macintosh. Special Requirements: Microsoft BASIC.

\$69.95 retail; The Mac's Core

\$84.95 retail; The Mac's Core Part II

\$139.95 retail; Both programs

The Professor Corp.; 959 NW 53rd St.; Ft. Lauderdale, Fla. 33309; 305-771-6498 or 800-223-5838

MasterFORTH

MicroMotion, see page 58

Megamax C

Software development

System Requirements: 128K or 512K Macintosh.

\$299.95 retail

Megamax, Inc.; PO Box 851521; Richardson, Texas 75085; 214-987-4931

Microsoft BASIC

Programming language

System Requirements: 128K or 512K Macintosh.

\$150 retail

Microsoft Corporation; 10700 Northup Way, PO Box 97200; Bellevue, Wash. 98009; 206-828-8080

Neon

Programming language

System Requirements: 128K or 512K Macintosh.

\$150 retail

Kriya Systems, Inc.; 505 N Lake Shore Dr., #5510; Chicago, Ill. 60611; 312-822-0624

PortaAPL

Portable Software, see page 58

Rascal

Metaresearch, Inc., see page 60

RBuilder

Software development

System Requirements: 128K or 512K Macintosh. Special Requirements: Any compiled language or assembler.

\$99 retail

Absoft Corp.; 4268 N Woodward; Royal Oak, Mich. 48072; 313-549-7111

Screen Coordinator

Programmer's screen overlay

System Requirements: 128K or 512K Macintosh. Special Requirements: MacPaint and a dot-matrix printer.

\$39.95 retail

Rubicon Publishing; 6300 La Calma Dr., Suite 100; Austin, Texas 78752; 512-454-5004

Softworks C

Programming; C compiler

System Requirements: 128K or 512K Macintosh.

\$395 retail

Softworks Limited; 607 W Wellington; Chicago, Ill. 60657; 312-975-4030

TMON

TMQ Software, Inc., see page 60

Turbo Turtle

Programming instruction

System Requirements: 128K or 512K Macintosh.

\$59.95 retail

Hayden Software Company, Inc.; 600 Suffolk St.; Lowell, Mass. 01854; 617-937-0200

UCSD Pascal Development System

Programming Language

System Requirements: 128K or 512K Macintosh.

\$195 retail

SofTech Microsystems, Inc.; 16875 West Bernardo Dr.; San Diego, Calif. 92127; 800-451-8080 or 800-824-7867 in Calif.

SPECIFIC APPLICATIONS

BASIC Programs for Scientists and Engineers

Footsteps Software, see page 60

Beamac

Erez Anzel, see page 62

The BenchTop

Metaresearch, Inc., see page 62

Crop/Livestock Profit Projector

Agriculture financial analysis

System Requirements: 128K or 512K

Macintosh.

\$95 retail

Harris Technical Systems; 624 Peach St.; Lincoln, Neb. 68501; 402-476-2811

CRTplus

Financial-analysis tool

System Requirements: 128K or 512K

Macintosh.

\$995 retail; CRTplus

\$125 retail; Support fee

Aurora Systems, Inc.; 2423 American Ln.;

Madison, Wis. 53704; 608-249-5875

Da Poma GB

Grade-book management

System Requirements: 128K or 512K

Macintosh.

\$75 retail; High School/Elementary

\$150 retail; University

Da Poma, Inc.; PO Drawer H; Hondo, Texas 78861; 512-426-5932

daVinci Building Blocks

Architecture; commercial design

System Requirements: 128K or 512K

Macintosh.

\$79.95 retail

Hayden Software Company, Inc.; 600 Suffolk St.; Lowell, Mass. 01854; 800-343-1218

daVinci Series and Commercial Interiors

Architecture; commercial design

System Requirements: 128K or 512K

Macintosh; MacPaint.

\$49.95 each retail; daVinci Series

\$199.95 retail; Commercial Interiors

Hayden Software Company, Inc.; 600 Suffolk St.; Lowell, Mass. 01853; 800-343-1218

DesignWorks

Architectural design

System Requirements: 512K Macintosh.

Available August, 1985

Soft-Design, Inc.; 211 E Culver Blvd., Suite

Q; Playa Del Rey, Calif. 90293; 213-822-6181

DietMac

Diet and nutritional analysis

\$79 retail

Tess Data Systems, Inc.; 17070 Red Oak Dr.,

Suite 403-B; Houston, Texas 77090;

713-440-6943

The DNA Inspector

Molecular biology

System Requirements: 128K Macintosh. Spe-

cial Requirements: Microsoft BASIC.

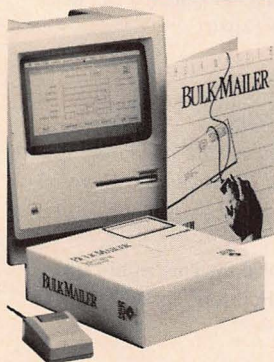
\$109 retail

Textco; 27 Gilson Rd.; W Lebanon, N.H.

03784; 603-643-1471

The most powerful mail list program ever developed!

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BULK MAILER is specially designed for managing large mail lists. It is easy-to-use, fast and totally complete.

This special Macintosh version offers:

*Duplication Elimination

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*Full use of the

Mac interface

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BULK MAILER MACINTOSH VERSION - \$125.

Available at your dealer or directly from:



Satori Software
5507 Woodlawn N.
Seattle, WA 98103

(206) 633-1469

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MacLink allows you to exchange documents, spreadsheets and files between the Macintosh and the IBM PC. Its unique translators and easy-to-use communications provide a true solution to your data transfer needs.

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PC to/from Mac		PC to/from Mac	
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Multiplan <->	Multiplan	MultiMate <->	MacWrite
Lotus <->	DIF	Text <->	Text
Multiplan <->	DIF	Binary <->	Binary
DIF <->	Multiplan	DIF <->	DIF

MacLink is "Mac friendly". Its fully integrated communications and "intelligent" translators work via modems or with an optional Mac to PC cable.

Only \$125 for the "intelligent link". Includes a complete manual, a diskette for the PC and one for the Mac.

DataViz, Inc. - 16 Winfield Street - Norwalk, CT 06855
Circle 41 (203) 866-4944

Trademarks: Lotus, Multiplan, MultiMate, MacWrite, WordStar

SPECIFIC APPLICATIONS

Electro Bits

Medina Software, see page 62

Electronic PAD

Electronic-circuit design

System Requirements: 128K or 512K

Macintosh; or Macintosh XL.

\$395 retail; 128K

\$595 retail; 512K

Rune Software; 80 Eureka Sq., Suite 214;

Pacifica, Calif. 94044; 415-355-4851

Engineering Tool Kit

Sof-Tools, see page 64

Farm Management

Farming, ranching templates

System Requirements: 128K or 512K

Macintosh. Special Requirements: Multiplan or Lotus Jazz.

Available now for Multiplan

Available for Jazz when Jazz is released

\$95 each retail

Harris Technical Systems; 624 Peach St.; Lincoln, Neb. 68501; 402-476-2811

Farm Management

Hutch Computer Industries, see page 64

Front Desk

Office management; calendar

System Requirements: 128K or 512K

Macintosh.

\$149.95 retail

Layered, Inc.; 85 Merrimac St.; Boston, Mass.

02114; 617-423-9041

HealthCare Management

Office management for dentists, opticians, doctors, and chiropractors

System Requirements: 128K or 512K

Macintosh.

HealthCare Communications, Inc.; 245 S

84th St.; Lincoln, Neb. 68510; 402-489-0391

HumanForms

Anatomical drawings

System Requirements: 128K or 512K

Macintosh. Special Requirements: MacPaint.

\$80 retail

The Reference Corporation; 1133 Broadway,

Room 611; New York, N.Y. 10010;

212-645-1200

Knowledgedisk

Expertech, see page 64

Legal Billing

Inventory Manager

Bulk Mailer

Management programs

Available Spring, 1985

\$595 retail; Legal Billing

\$350 retail; Inventory Manager

\$125 retail; Bulk Mailer

Satori Software; 5507 Woodlawn N; Seattle,

Wash. 98103; 206-633-1469

LogarithMac

Heizer Software, see page 66

MacAtlas, Volume 1

Micro:Maps, see page 66

Mac-Barcode; Scanstar-Mac

Bar-code generator and scanner

System Requirements: 128K or 512K

Macintosh. Special Requirements: Apple Imageuriter printer.

\$395 retail; Mac-Barcode

\$600 retail; SCANSTAR-Mac with light pen

Computer Identities Corp.; 5 Shawmut Rd.;

Canton, Mass. 02021; 800-622-2633

Mac Bar Code Printing Program

TPS Electronics, see page 66

MacCAD

CompServCo, see page 67

MacChip

Electronic schematics

System Requirements: 128K or 512K

Macintosh.

\$39.95 retail

Princeton Research Software; PO Box 2398;

Princeton, N.J. 08540

MacComp

Infotek, Inc., see page 67

MacControl

Small Business Computers of New England,

Inc., see page 67

MacDraw

Designing and graphics

System Requirements: 128K or 512K

Macintosh.

\$125 retail

Apple Computer, Inc.; 20525 Mariani Ave.;

Cupertino, Calif. 95014; 408-973-3317

MacEngineer

Chemical, civil, electrical, mechanical engineering

System Requirements: 128K or 512K

Macintosh.

\$99.95 each retail

Superex Business Software; 151 Ludlow St.;

Yonkers, N.Y. 10705; 800-862-8800 or

914-964-5200

MacFats

Film, advertising, television

System Requirements: 512K Macintosh.

Available July, 1985

\$495 retail; Scriptwriter

\$495 retail; Production Planner

\$995 retail; Budget Planner

American Intellware Corporation; 330

Washington St., Suite 400; Marina del Rey,

Calif. 90292; 213-827-0803

MacFats Storyboarder

Creative planning; film and television

System Requirements: 512K Macintosh.

\$995 retail

American Intellware Corporation; 330

Washington St., Suite 400; Marina Del Rey,

Calif. 90292; 213-827-0803

MacFits

Regression analysis

System Requirements: 128K or 512K

Macintosh. Special Requirements: Microsoft BASIC 1.0 or 2.0.

\$39.95 retail

Tesseract Educational Systems; 4010-I Hwy. 6

South, Suite 187; Houston, Texas 77082;

713-495-2292

MacGENE

Genealogy

System Requirements: 128K or 512K

Macintosh.

\$125 retail

Applied Ideas, Inc.; 300 Goodhope Ave.; San

Pedro, Calif. 90732

Many companies have free product/service information available by mail.

Reader Service Card *To receive further information, circle the numbers on the card that correspond to the numbers at the bottom of the advertisements for which you want more information. Then print or type your name and address on the attached card, detach, and mail. We will forward your requests to the appropriate companies.*

The
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	91	92	93	94	95	96	97	98	99	100

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and Mail

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**RPC Redgate Publishing
Company**

3381 Ocean Drive
Vero Beach, Florida 32963
Attn: Circulation Dept.

MacManage +

MacManage, see page 70

MacMOS

Princeton Research Software, see page 70

MacProject

Project management

System Requirements: 128K or 512K

Macintosh.

\$125 retail

Apple Computer, Inc.; 20525 Mariani Ave.;
Cupertino, Calif. 95014; 408-973-3317

MacPublisher

Camera-ready page layouts

System Requirements: 128K or 512K

*Macintosh. Special Requirements: Im-
agewriter or LaserWriter printer.*

\$99.95 retail

Boston Software Publishers, Inc.; 19 Ledge
Hill Rd.; Boston, Mass. 02132; 617-327-5775

Macquisition

Small Business Computers of New England,
Inc., see page 70

MacScience

Physics and chemistry

System Requirements: 128K or 512K

Macintosh.

\$99.95 each retail

Superex Business Software; 151 Ludlow St.;
Yonkers, N.Y. 10705; 800-862-8800 or
914-964-5200

MacStat

Statistical analysis

System Requirements: 128K or 512K

Macintosh.

\$99.95 retail

Superex Business Software; 151 Ludlow St.;
Yonkers, N.Y. 10705; 800-862-8800 or
914-964-5200

Mac.Stat.Pak

Scientific MicroPrograms, see page 71

Mac the Logician

Logical/mathematical fonts, symbols

System Requirements: 128K or 512K

*Macintosh or Macintosh XL under Mac-
Works. Special Requirements: Font Mover
utility.*

\$50 retail

Megatherium Enterprises; PO Box 7000-417;
Redondo Beach, Calif. 90277; 213-545-5913

Marshall Flowcharting Templates

Marshall Consulting Services, see pages 00

MathPak

Equation, data analysis

System Requirements: 128K or 512K

Macintosh.

\$75 retail

PSI/Systems Division; Research Park; PO Box
3100; Andover, Mass. 01810; 617-475-9030

McCAD

Advanced Engineering Solutions, Inc., see
page 72

McCAD

VAMP, Inc., see page 71

Minicad Auto-Dimensioner and Formatter

Diehl Graphsoft, Inc., see page 72

Minicad 3D-Designer

Diehl Graphsoft, Inc., see page 72

Mortgage Switch Calculator

Mortgage-rate template

System Requirements: 128K or 512K

*Macintosh. Special Requirements: Microsoft
Multiplan.*

\$65 retail

AIS Microsystems; 1007 Massachusetts Ave.
NE; Washington, DC 20002; 202-547-9113

Number Cruncher Stat Systems

Number Cruncher Statistical Systems, see
page 74

NWA Quality Analyst

Northwest Analytical, Inc., see page 74

NWA StatPak

Statistical analysis

System Requirements: 128K or 512K

*Macintosh. Special Requirements: Microsoft
BASIC.*

\$395 retail

Northwest Analytical, Inc.; 520 NW Davis
St.; Portland, Ore. 97209; 503-224-7727

OR-D Dental Management System

DVI-OR USA, Inc., see page 74

OR-D Medical Management System

DVI-OR USA, Inc., see page 76

Pert & Critical Path Techniques

Lionheart Press, Inc., see page 76

Professional Bibliographic System; Biblio-Link

Data base; bibliographic

System Requirements: 128K or 512K

Macintosh.

Available now

\$395 retail; Professional Bibliographic System
Available Fall, 1985

\$195 retail; Biblio-Link

Personal Bibliographic Software, Inc.; PO
Box 4250; Ann Arbor, Mich. 48106;
313-996-1580

Profit Tool

Prophecy Development Corp., see page 76

ReadySetGo

Page processing; page layout

*System Requirements: 512K Macintosh. Spe-
cial Requirements: Imagewriter or Laser-
Writer printer.*

\$125 retail

Manhattan Graphics; 163 Varick St.; New
York, N.Y. 10013; 212-989-6442

Real Estate

Income, property analysis

System Requirements: 128K or 512K

Macintosh. Special Requirements: Multiplan.

\$295 retail; Tax Shelter Syndication Analysis

\$195 retail; On Schedule

\$150 retail; Real Estate Overlays

\$100 retail; Each for other programs

RealData, Inc.; PO Box 691; Southport,
Conn. 06490; 203-255-2732 or 203-838-2670

Real Estate Investor II

Rems Software, Inc., see page 77

The Realtor

Real estate management

System Requirements: 128K or 512K

Macintosh.

Available fourth quarter, 1985; \$150 retail

P Cubed, Inc.; 949 Parklane Ctr.; Wichita,
Kan. 67218; 316-686-2000

SPECIFIC APPLICATIONS

Sketch-to-Scale

Williams AG Products, see page 77

StatFast

StatSoft, see page 77

Statistical Analysis

Lionheart Press, Inc., see page 78

StatView

Brainpower, Inc., see page 78

StatWorks

Statistical analysis

System Requirements: 128K or 512K Macintosh.

\$99.95 retail

Heyden & Son, Inc.; 247 S 41st St.; Philadelphia, Pa. 19104; 215-382-6673

Stylo-Castoff, Stylo-Estimate

Stylo Software, Inc., see page 78

Superex Software

Five specialized products

System Requirements: 128K or 512K Macintosh.

\$99.95 retail; EstiMac

\$800 retail; MacWholesaler

\$150 retail; SalesMac

\$450 retail; MacStore

\$300 retail; MacFee

Superex Business Software; 151 Ludlow St.; Yonkers, N.Y. 10705; 800-862-8800 or 914-964-5200

Tech

Linguists' Software, see page 80

TechFonts

Technical writing, drawing

System Requirements: 128K or 512K Macintosh.

\$49.95 retail; SciFonts

\$99 retail; ElectroFonts with SciFonts Paragon Courseware; 4954 Sun Valley Rd.; Del Mar, Calif. 92014; 619-481-1477

TessSystem One

Medical-office management

System Requirements: 512K Macintosh; one extra disk; 10- to 40- megabyte hard disk; printer; data backup device.

\$1,995 retail

Tess Data Systems, Inc.; 17070 Red Oak Dr., Suite 403-B; Houston, Texas 77090; 713-440-6943

TK!Solver

Mathematical equation-solving tool

System Requirements: 128K or 512K Macintosh.

\$249 retail; TK!Solver

\$59 retail; TK!SolverPacks

Software Arts; 27 Mica Ln.; Wellesley, Mass. 02181; 617-431-6600

Ultra Fonts Technical and Business Set

21st Century Software, see page 80

SPREADSHEET

ClickOn Worksheet

Spreadsheet, graphics accessory

System Requirements: 128K or 512K Macintosh.

\$79.95 retail

T/Maker Company; 2115 Landings Dr.; Mountain View, Calif. 94043; 415-962-0195

Crunch

Paladin Software Corporation, see page 80

Microsoft Multiplan

Spreadsheet; financial analysis

System Requirements: 128K or 512K Macintosh.

\$195 retail

Microsoft Corporation; 10700 Northup Way, PO Box 97200; Bellevue, Wash. 98009; 206-828-8080

See also Integrated Software section, page 106

TRAINING

Basic Telecommunications

Text and video training in communications

System Requirements: 128K or 512K Macintosh.

\$350 retail

The Information Factory; 208 Charter Oaks Cir.; Los Gatos, Calif. 95030; 408-374-1235

Business Training

Accounting; economics training

System Requirements: 128K or 512K Macintosh.

\$39.95 retail; Review Questions On Accounting

\$59.95 retail; Starting a New Business

Queue, Inc.; 798 North Ave.; Bridgeport, Conn. 06606; 203-335-0906 or 800-232-2224

Entrepreneur

Microsoft Corporation, see page 82

Learning Microsoft Multiplan and Microsoft Chart

Microsoft Corporation, see page 82

MacCoach

Tutorial for Macintosh computer

System Requirements: 128K or 512K Macintosh.

\$75 retail

American Training International; 12638 Beatrice St.; Los Angeles, Calif. 90066; 800-421-4827 or 213-823-1129

MacType

Typing instruction

System Requirements: 128K or 512K Macintosh.

\$49.95 retail

Palantir Software; 12777 Jones Rd., Suite 100; Houston, Texas 77070; 800-368-3797

Teach Yourself Multiplan

Tutorial for Multiplan

System Requirements: 128K or 512K Macintosh.

\$75 retail

American Training International; 12638 Beatrice St.; Los Angeles, Calif. 90066; 800-421-4827 or 213-823-1129

Typing Intrigue

Typing instruction

System Requirements: 128K or 512K Macintosh.

\$49.95 retail

Forethought, Inc.; 1973 Landings Dr.; Mountain View, Calif. 94043; 415-961-4720 or 800-622-9273

Typing Made Easy

QED Information Sciences, Inc., see page 82

UTILITIES

1stMerge

Data entry; mail merge

System Requirements: 128K or 512K

Macintosh.

\$95 retail

DeskTop Software Corporation; 244 Wall St.; Princeton, N.J. 08540; 609-924-7111

Accessory Pak #1

Silicon Beach Software, see page 84

Art Grabber with Body Shop

Hayden Software Company, Inc., see page 84

ColorPrint

Color printing utility for Imagewriter

System Requirements: 128K or 512K Macintosh. Special Requirements: MacPaint.

\$49.95 retail

Esoft Enterprises; PO Box 179; Owasso, Okla. 74055; 918-272-7616

COPY II MAC

Disk-backup utility

System Requirements: 128K or 512K Macintosh. Inclusions: MacTools.

\$39.95 retail

Central Point Software, Inc.; 9700 SW Capitol Hwy., Suite 100; Portland, Ore. 97219; 503-244-5782

CP/M For The Macintosh

Operating system

System Requirements: 128K or 512K Macintosh. Inclusions: C compiler, communications transfer program, and a macro assembler.

\$395 retail

I.Q. Software, Inc.; 2229 E Loop 820 North; Ft. Worth, Texas 76118; 817-589-2000

Epstart Version 2.0

SoftStyle, Inc., see page 84

Hippo-Lock

File encryption

System Requirements: 128K or 512K Macintosh.

\$119.95 retail

Hippopotamus Software, Inc.; 985 University Ave., Suite 12; Los Gatos, Calif. 95030; 408-395-3190

HP Laser Program

Printer utility

System Requirements: 128K or 512K

Macintosh.

\$39.95 retail

New Image Technology, Inc.; 10300 Greenbelt Rd., #104; Seabrook, Md. 20706; 301-464-3100

I.E.S. DiskSurgeon

Intelligent Engineered Systems, see page 86

Island CP/M

Island Software, Inc., see page 86

LetterWare; MatrixWare

Intrepid Technologies, see page 86

Lock-It

File-password utility

System Requirements: 128K or 512K Macintosh; Macintosh XL with MacWorks.

\$29 retail

Assimilation, Inc.; 485 Alberto Way; Los Gatos, Calif. 95030; 408-356-6241

MacBackup

Disk-backup utility

System Requirements: 128K or 512K

Macintosh.

\$69.95 retail

Practical Computer Applications, Inc.; 1305 Jefferson Hwy.; Champlin, Minn. 55316; 612-427-4789

Mac Daisywheel Connection

Printer driver and cable

System Requirements: 128K or 512K Macintosh; Macintosh XL with MacWorks. Special Requirements: Daisy-wheel or letter-quality printer, TTY-compatible typewriters for Mac Daisywheel Connection; Epson dot-matrix printer or compatible for Mac Epson Connection. Inclusions: Program disk; backup disk; cable.

\$99 retail; Mac Daisywheel Connection

\$89 retail; Mac Epson Connection

Assimilation, Inc.; 485 Alberto Way; Los Gatos, Calif. 95030; 408-356-6241

MacKeymeleon

Avenue Software, Inc., see page 86

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UTILITIES

MacMate!

RAM disk utility

System Requirements: 512K Macintosh.

\$49.95 retail

SMB Development Associates; PO Box 3082; Chatsworth, Calif. 91311; 818-341-2523

Mac Memory Disk

RAM disk utility

System Requirements: 128K or 512K Macintosh; or Macintosh XL.

\$29 retail

Assimilation, Inc.; 485 Alberto Way; Los Gatos, Calif. 95030; 408-356-6241

MacPlot

Plotter utility

System Requirements: 128K or 512K Macintosh. Special Requirements: Plotter.

\$130 retail

Microspot; 9 High St.; Lenham, Maidstone, Kent, ME17 2QD, England; 0622-858753

MacPlots II

Plotter utility

System Requirements: 128K or 512K Macintosh. Special Requirements: MacDraw and color plotter.

\$195 retail

Computer Shoppe; 615 Guilford-Jamestown Rd. @ I-40; Greensboro, N.C. 27409; 919-299-4843

MacScreen Gems

American Softwerkz, see page 87

MacTest

Diagnostics

System Requirements: 128K or 512K Macintosh.

\$39 retail

Infotek, Inc.; 56 Camille; E Patchogue, N.Y. 11772; 516-289-9682

Mac Tracks

Command-key utility

System Requirements: 128K or 512K Macintosh; Macintosh XL with MacWorks.

\$29 retail

Assimilation, Inc.; 485 Alberto Way; Los Gatos, Calif. 95030; 408-356-6241

MacUtil

Disk-backup utility

System Requirements: 128K or 512K

Macintosh.

Release Date: June, 1985; \$49 retail

Serious Personal Computing; PO Box 7059;

South Nashua, N.H. 03060; 603-888-1376

Mac Zap

Disk-backup utility

System Requirements: 128K or 512K Macintosh.

\$60 retail

Micro Analyst, Inc.; 5802 B Gloucester; Austin, Texas 78723; 512-926-4527

Magic Font Editor

New Image Technology, Inc., see page 87

P/C Privacy

File encryption

System Requirements: 128K or 512K Macintosh.

\$95 retail

MCTel, Inc.; Three Bala Plaza East, Suite 505; Bala Cynwyd, Pa. 19004; 215-668-0983

Plot-It

Plotter utility

System Requirements: 128K or 512K Macintosh. Special Requirements: MacPaint and a supported plotter.

\$95 retail

Mesa Graphics; PO Box 506; Los Alamos, N.M. 87544; 505-672-1998

Plots II

Computer Shoppe, see page 87

Print A File II

Serial printer utility

System Requirements: 128K or 512K Macintosh. Inclusions: Optional 10-point font.

\$19.95 retail

CAT Systems; 21115 Devonshire St.; Chatsworth, Calif. 91311; 805-251-7806

Printer Interface

Serial printer interface

System Requirements: 128K or 512K Macintosh.

\$59.95 retail

\$25 retail; optional cable

DataPak Software; 14011 Ventura Blvd.; Sherman Oaks, Calif. 91423; 818-905-6419

Printer Interfaces

Softstyle, Inc., see page 87

The Print-Link

Printer driver

System Requirements: 128K or 512K Macintosh.

Inclusions: Cable and software.

\$84.95 retail (U.S.)

GDT Softworks, Inc.; 2800 Douglas Rd., Suite D; Burnaby, B.C., Canada Y5C 5B7; 604-291-9121

ProCopy/Edit

Disk-backup utility

System Requirements: 128K or 512K Macintosh; or Macintosh XL.

\$69.95 retail

Protekt-It Software, Inc.; PO Box 165222; Miami, Fla. 33116; 305-554-9595

ProPrint

Serial printer utility

System Requirements: 128K or 512K Macintosh. Special Requirements: MacWrite software; letter-quality printer.

\$74 retail; ProPrint

\$99 retail; ProPrint with shielded cable

\$225 retail; ProPrint with A/B switch and

two shielded cables

Creighton Development, Inc.; 16 Hughes, Suite C-100; Irvine, Calif. 92714; 714-472-0488

Quick & Dirty Utilities

Dreams of the Phoenix, Inc., see page 88

QuickDisk

Symmetry Corporation, see page 88

QuickPaint

EnterSet, Inc., see page 88

Spinwriter Accessory Kit

Spinwriter printer interface

System Requirements: 128K or 512K Macintosh. Special Requirements: Spinwriter printer.

Inclusions: Cable, diskette, and backup diskette.

\$100 retail

NEC Information Systems, Inc.; 1414 Massachusetts Ave.; Boxborough, Mass. 01719; 617-264-8000

Spreadsheet Link

Data-gathering utility

System Requirements: 128K or 512K Macintosh. Special Requirements: Dow Jones Straight Talk, Multiplan, and a modem.

\$99 retail

Dow Jones & Company, Inc.; PO Box 300; Princeton, N.J. 08540; 800-222-0081 dealers or 800-257-5114 customers

StyloPrint-Formatter

StyloType-Formatter

Stylo Software, Inc., see page 90

TexSys

ToolMasters, Ltd., see page 90

TurboCharger

Nevins Microsystems, Inc., see page 90

WORD PROCESSING

ClickArt Letters

Large letters and numbers

System Requirements: 128K or 512K Macintosh.

\$49.95 retail

T/Maker Company; 2115 Landings Dr.; Mountain View, Calif. 94043; 415-962-0195

DocuMentor

Writing; document processing

System Requirements: 128K or 512K Macintosh.

\$249 retail

B/T Computing Corporation; PO Box 1465; Euless, Texas 76039; 817-267-1415

Fluent Fonts

Word-processing and graphics fonts

System Requirements: 128K or 512K Macintosh.

\$49.95 retail

Casady Company; PO Box 223779; Carmel, Calif. 93922; 408-646-4660

FONTastic

Altsys Corporation, see page 92

Fontastics I & II

Devonian International Software Company, see page 92

Foreign-Language Fonts

Seven different fonts

System Requirements: 128K or 512K Macintosh.

Retail Prices:

\$199.95 MacGreek, Hebrew & Phonetics

\$50 MacGreek Text Critic (each font sold separately as a supplement to MacGreek)

\$119.95 MacGreek+, MacPhonetics, MacKana & Basic Japanese Kanji, MacKanji, Mac-Cyrillic

\$99.95 SuperGreek, SuperGreek-G, Super-Hebrew, SuperHebrew-I, MacKorean

\$49.95 SuperFrench-German

Linguists' Software; PO Box 231; 88 Pine Ave.; Mount Hermon, Calif. 95041; 408-335-2577

GriffinText

Metaresearch, Inc., see page 92

Hayden:Speller

Spelling checker

System Requirements: 128K or 512K Macintosh.

\$79.95 retail

Hayden Software Company, Inc.; 600 Suffolk St.; Lowell, Mass. 01854; 800-343-1218

Hebewriter/Graphics

Hebrew fonts

System Requirements: 128K or 512K Macintosh. Inclusions: Transliteration guide, map of Israel, Physician's Prayer, graphics.

\$39.95 retail

Certificate Plus Company; 580 Fifth Ave., 10th Floor; New York, N.Y. 10036; 212-227-3331

Letter Helper

C-Band DBS/Encycloware, see page 93

Maccessories Professional Type Fonts for Text

Maccessories Professional Type Fonts for Headlines

Text and headline fonts

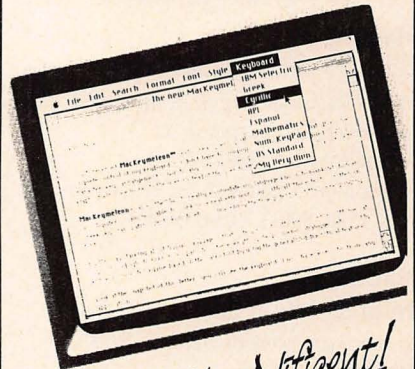
System Requirements: 128K or 512K Macintosh.

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Kensington Microware, Ltd.; 251 Park Ave. S.; New York, N.Y. 10010; 212-475-5200

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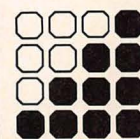
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MacGAS

Glossary and spelling checker

System Requirements: 512K Macintosh; two disk drives; or Macintosh XL.

Available by July, 1985

Applications Unlimited; 18234 E Nassau; Aurora, Colo. 80013; 303-699-0441.

MacNotes

Form letters on disk

System Requirements: 128K or 512K Macintosh.

\$89.95 retail

Superex Business Software; 151 Ludlow St.; Yonkers, N.Y. 10705; 800-862-8800

MacSpell+

Spelling checker and thesaurus

System Requirements: 128K or 512K Macintosh.

\$99 retail

Creighton Development, Inc.; 16 Hughes St., Suite C-100; Irvine, Calif. 92714; 714-472-0488

Mac Spell Right

Spelling checker

System Requirements: 128K or 512K Macintosh; Macintosh XL with MacWorks. Special Requirements: Disk-based MacWrite.

\$89 retail

Assimilation, Inc.; 485 Alberto Way; Los Gatos, Calif. 95030; 408-356-6241

Mac The Knife/Volume Two: Fonts

Fonts; type faces

System Requirements: 128K or 512K Macintosh.

\$49 retail

Miles Computing, Inc.; 21018 Osborne St., Bldg. 5; Canoga Park, Calif. 91304; 818-994-7901

Mac the Linguist: Phonetic Fonts for the Macintosh

Transcription software; fonts

System Requirements: 128K or 512K Macintosh.

\$50 retail

Megatherium Enterprises; PO Box 7000-417; Redondo Beach, Calif. 90277; 213-545-5913

MegaMerge

Mail merging

System Requirements: 128K or 512K Macintosh.

\$125 retail

Megahaus Corporation; 5703 Oberlin Dr.; San Diego, Calif. 92121; 619-450-1230

Microsoft Word

Writing; word processing

System Requirements: 128K or 512K Macintosh.

\$195 retail

Microsoft Corporation; 10700 Northup Way, PO Box 97200; Bellevue, Wash. 98009; 206-828-8080

Mouse Write

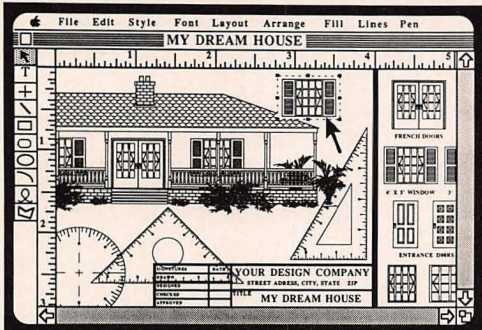
Bernard Marks and Associates, see page 93

PreWriter

Mindwork Software Publishing, Inc., see page 93


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EnterSet, Inc., see page 93

RGS Wright+

Rio Grande Software, Inc., see page 94

The Right Word

Assimilation, Inc., see page 94

SMK GreekKeys

Foreign-language fonts

System Requirements: 128K or 512K

Macintosh.

\$25 retail

SMK; 5760 S Blackstone Ave.; Chicago, Ill. 60637; 312-947-9157

Stationery Starter Set, Resumes Business Forms Set II

Mac Master Corporation, see page 94

Superfonts

MacWrite fonts

System Requirements: 128K or 512K Macintosh. Special Requirements: MacPaint and MacWrite.

\$29.95 retail

Software Apple-cations; 11510 Alejandro; Boise, Idaho 83709; 208-322-8910

ThinkTank 128

Outline processor; word processing

System Requirements: 128K or 512K

Macintosh.

\$145 retail

Living Videotext, Inc.; 2432 Charleston Rd.; Mountain View, Calif. 94043; 415-964-6300

ThinkTank 512

Outline processor; word processing; graphics

System Requirements: 512K Macintosh; two disk drives.

\$245 retail; ThinkTank 512

\$100 retail; Upgrade from ThinkTank 128

Living Videotext; 2432 Charleston Rd.; Mountain View, Calif. 94043; 415-964-6300

UltraFonts

MacWrite fonts

System Requirements: 128K or 512K

Macintosh.

\$29.95 retail

21st Century Software; 2306 Cotner Ave.; Los Angeles, Calif. 90064; 213-829-4436

Variomix, Variotrans, Variotext

Mexoft Belgium, see page 95

EDUCATION**ChipWits**

Programming instruction

System Requirements: 128K or 512K Macintosh; or Macintosh XL.

\$49.95 retail

BrainPower, Inc.; 24009 Ventura Blvd.; Calabasas, Calif. 91302; 818-884-6911

Instructional Software

Language, math, social studies, and more; 30+ programs.

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Macintosh.

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The Investor's Challenge

Blue Chip Software, Inc., see page 95

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Macintosh.

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Macintosh.

\$59.95 retail

Azilian Systems; 24 Redfield Cir.; Derry, N.H. 03038; 603-434-2449

MacEdge II

Think Educational Software, see page 96

The Master

BASIC programming instruction

System Requirements: 128K or 512K Macintosh. Special Requirements: Microsoft BASIC.

\$99.95 retail

Orion Training Systems; PO Box 94; Daltown, Pa. 17313; 717-757-7721

MasterType

Typing tutorial

System Requirements: 128K or 512K

Macintosh.

\$49.95 retail

Scarborough Systems, Inc.; 55 South Broadway; Tarrytown, N.Y. 10591; 914-332-4545

MathFlash

Math flash-card drills

System Requirements: 128K or 512K

Macintosh.

\$49.95 retail

Palantir Software; 12777 Jones Rd., Suite 100; Houston, Texas 77070; 800-368-3797

SAT, GRE, CBA

Hayden Software Company, Inc., see page 96

The Science Encyclopedia

Scientific reference

System Requirements: 128K or 512K

Macintosh.

\$39.95 retail (starter)

MicroTeacher, Inc.; 12760 High Bluff Dr., Suite 210; San Diego, Calif. 92130; 619-481-4106

States and Capitals

Future Novelties, Inc., see page 96

Think Fast

BrainPower, Inc., see page 97

Typing Tutor III

Typing instruction

System Requirements: 128K or 512K

Macintosh.

\$59.95 retail

Simon & Schuster Electronic Publishing Group; 1230 Ave. of the Americas; New York City, N.Y. 10020; 212-245-6400

Writing Skills

Writing tutorial

System Requirements: 128K or 512K

Macintosh.

\$39.95 each volume.

EduWare, Inc.; 185 Berry St.; San Francisco, Calif. 94107; 415-546-1937

GAMES/ENTERTAINMENT

Airborne!

War game
*System Requirements: 128K or 512K
 Macintosh.*
 \$34.95 retail
 Silicon Beach Software; PO Box 261430; San Diego, Calif. 92126; 619-695-6956

Ann Arbor Games

*System Requirements: 128K or 512K
 Macintosh.*
 \$49.95 retail; Lunar Explorer
 \$39.95 retail; Grid Wars
 Ann Arbor Softworks, Inc.; 308½ S State St.; Ann Arbor, Mich. 48104; 313-996-3838

Blue Chip Games

Financial simulation
*System Requirements: 128K or 512K
 Macintosh.*
 \$59.95 each; Millionaire, Tycoon, Baron
 Blue Chip Software; 6740 Eton Ave.; Canoga Park, Calif. 91303; 818-346-0730

CBS Games

Mystery adventures
*System Requirements: 128K or 512K
 Macintosh.*
 \$44.95 retail; Mystery Master: Murder By The Dozen
 Available third quarter, 1985; \$44.95 retail;
 Mystery Master: Felony!
 CBS Software; One Fawcett Pl.; Greenwich, Conn. 06836; 203-622-2525

Championship Star League Baseball

Sports game
*System Requirements: 128K or 512K
 Macintosh.*
 \$39.95 retail
 Gamestar, Inc.; 1302 State St.; Santa Barbara, Calif. 93101; 805-963-3487

DataPak Games

Card games
*System Requirements: 128K or 512K
 Macintosh.*
 \$39.95 retail; Mac-Jack II
 \$39.95 retail; Mac Poker
 DataPak Software, Inc.; 14011 Ventura Blvd.; Sherman Oaks, Calif. 91423; 818-905-6419

DejaVu

Educational game
*System Requirements: 128K or 512K
 Macintosh.*
 DejaVu challenges your memory by matching different shapes, words, or numbers with an animated graphic display.
 \$39.95 retail
 Rubicon Publishing; 6300 La Calma Dr., Suite 100; Austin, Texas 78752; 512-454-5004

Feathers & Space

Arcade game
*System Requirements: 128K or 512K
 Macintosh.*
 The player must fight off attack birds that are stressing the defense of the user's mother ship and space outpost.
 \$34.95 retail
 PBI Software; 1155B-H Chess Dr.; Foster, City, Calif. 94404; 415-349-8765

Forbidden Quest and Gateway

Adventure games
*System Requirements: 128K or 512K
 Macintosh.*
 \$44.95 retail; Forbidden Quest
 \$49.95 retail; Gateway
 Priority Software, Inc.; 635 S Sanborn Rd., Suite 22; Salinas, Calif. 93901; 408-757-0125

Gypsy, the Computer Oracle

*System Requirements: 128K or 512K
 Macintosh.*
 Gypsy is a Macintosh/Macintosh XL version of the ancient, message-giving oracle wherein the user asks a question, then places his fingertips on a free-moving pointer.
 \$39.95 retail
 Magnum Software; 21115 Devonshire St., Suite 337; Chatsworth, Calif. 91311; 818-700-0510

Hayden Games

*System Requirements: 128K or 512K
 Macintosh.*
 \$49.95 retail; The Holy Grail (adventure)
 \$39.95 retail; Word Challenge (word game)
 \$39.95 retail; MasterPieces (jigsaw puzzles)
 \$49.95 retail; Sargon III (chess)
 Quirks (board game)
 Hayden Software Company, Inc.; 600 Suffolk St.; Lowell, Mass. 01854; 617-937-0200

Hearts

Card game
*System Requirements: 128K or 512K
 Macintosh.*
 \$29.95
 Artsci, Inc.; 5547 Satsuma Ave.; North Hollywood, Calif. 91601; 818-985-5763

Jolly Times

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*System Requirements: 128K or 512K
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Klondike

Card game
*System Requirements: 128K or 512K
 Macintosh.*
 \$39.95 retail
 Computing Capabilities Corporation; 465-A Fairchild Dr., Suite 122; Mountain View, Calif. 94043; 415-968-7511

Legacy

Adventure game
*System Requirements: 128K or 512K
 Macintosh.*
 \$39.95 retail
 Challenger Software; 18350 Kedzie Ave.; Homewood, Ill. 60430; 312-957-3475

Lode Runner; Cyborg Games

*Special Requirements: 128K or 512K
 Macintosh.*
 \$39.95 retail; Lode Runner (arcade)
 \$39.95 retail; Cyborg (adventure)
 Broderbund Software; 17 Paul Dr.; San Rafael, Calif. 94903; 415-479-1170

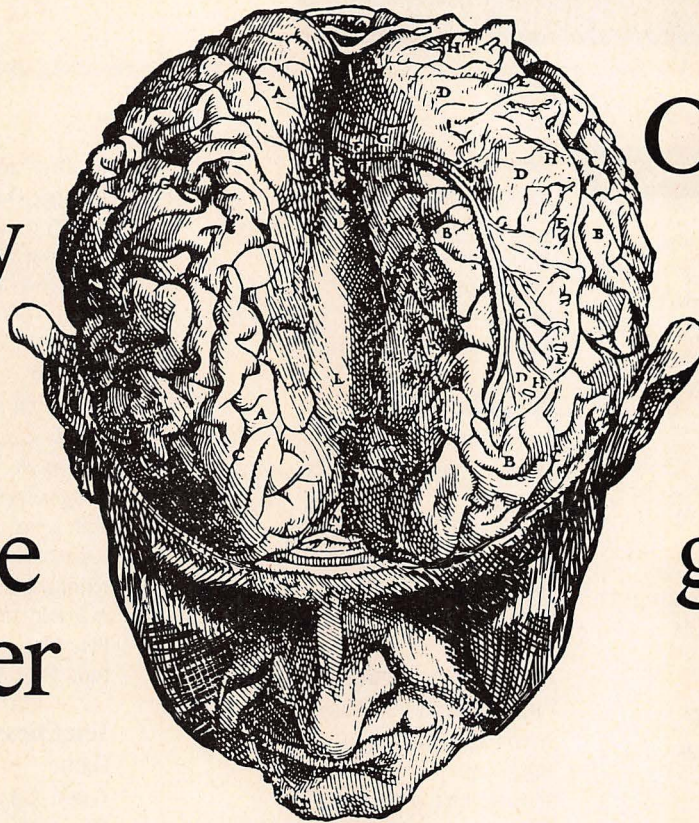
MacAttack

War game
*System Requirements: 128K or 512K
 Macintosh.*
 \$49 retail
 Miles Computing, Inc.; 21018 Osborne St., Bldg. 5; Canoga Park, Calif. 91304; 818-994-7901

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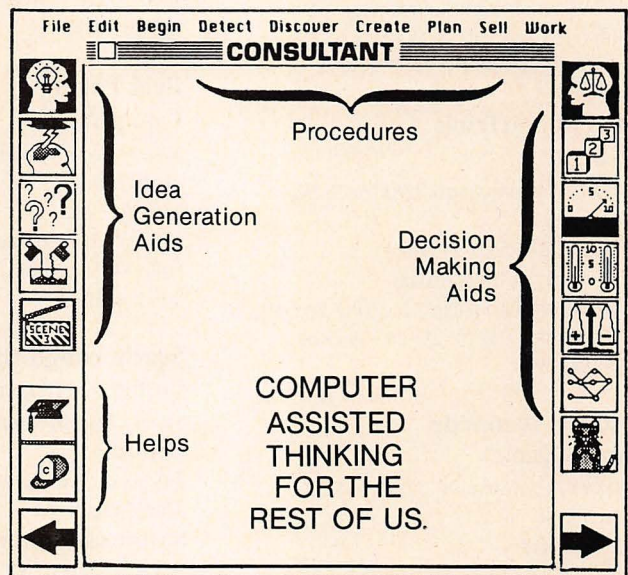
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\$50 retail
Expert Software Systems, Inc.; PO Box 2352; Melbourne, Fla. 32901; 305-725-5614

MacManager

Management simulation game
System Requirements: 128K or 512K Macintosh.
\$49.95 retail
Harvard Associates, Inc.; 260 Beacon St.; Somerville, Mass. 02143; 617-492-0660

Mac-Slots and High Rollers

Gambling games
System Requirements: 128K or 512K Macintosh.
\$49.95 retail; Mac-Slots (slot machines and Keno)
\$39.95 retail; High Rollers (craps)
Soft-Life Corporation; PO Box 647; Paramount, Calif. 90723; 213-774-3054

McFlip; McTrivia

Games
System Requirements: 128K or 512K Macintosh.
\$34 retail; McFlip (Othello)
\$40 retail; McTrivia (trivia)
McCarron-Dial Systems, Inc.; PO Box 45628; Dallas, Texas 75245; 214-247-5945 or 800-521-7900

Mouse Stampede

Arcade game
System Requirements: 128K or 512K Macintosh.
\$39.95 retail
Mark Of The Unicorn; 222 Third St.; Cambridge, Mass. 02130; 617-864-2676

NewGammon

Backgammon game
System Requirements: 128K or 512K Macintosh.
\$39.95 retail
NewSoft; PO Box 4035; Newport Beach, Calif. 92661; 714-646-0948

Penguin Games

Adventure games
System Requirements: 128K or 512K Macintosh.
\$39.95 each retail; Quest; Transylvania; Pensate; Xyphus; Coveted Mirror
Penguin Software; PO Box 311; 830 4th Ave.; Geneva, Ill. 60134

Pinball Construction Set

Pinball-game generator
System Requirements: 128K or 512K Macintosh.
Available June, 1985; \$40 retail
Electronic Arts; 2755 Campus Dr.; San Mateo, Calif. 94403; 415-572-2787

Pyramid of Peril

Adventure game
System Requirements: 128K or 512K Macintosh.
\$49.95 retail
Aegis Development, Inc.; 2210 Wilshire Blvd., Suite 277; Santa Monica, Calif. 90403; 213-306-0735

Real Poker

Card game
System Requirements: 128K or 512K Macintosh.
\$39.95 retail
Henderson Associates; 980 Henderson Ave., Suite #1; Sunnyvale, Calif. 94086; 408-246-8939

Scarborough Games

Business-management games
System Requirements: 128K or 512K Macintosh.
\$49.95 each retail; Make Millions; Run For The Money
Scarborough Systems, Inc.; 55 South Broadway; Tarrytown, N.Y. 10591; 914-332-4545

Scott Adams 12 Classic Adventures

System Requirements: 128K or 512K Macintosh.
A collection of 12 adventure games that take you from the mystical caves of "Adven-

tureland" to the oddities of space in "Strange Odyssey."
\$49.95 retail
Star Systems Software, Inc.; 735-I W Sanlando Springs Dr.; Longwood, Fla. 32750; 305-834-6006

Squire

Financial simulation
System Requirements: 128K or 512K Macintosh.
Squire permits the player to experiment with actual income and expenses to arrive at a personal financial game plan geared toward retiring as a millionaire within 20 years.
Available August, 1985; \$69.95 retail
Blue Chip Software; 6740 Eton Ave.; Canoga Park, Calif. 91303; 818-346-0730

TeleChess

Game
System Requirements: 128K or 512K Macintosh; modem.
TeleChess is a real-time animated graphics program that permits chess play by telephone with moves appearing simultaneously on both computer screens.
\$69.95 retail
BrainPower, Inc.; 24009 Ventura Blvd.; Calabasas, Calif. 91302; 818-884-6911

Think Games

System Requirements: 128K or 512K Macintosh.
\$49.95 retail; MAD MAC & His Mind Box (strategy)
\$49.95 retail; Mind Over Mac (5 games)
Think Educational Software; 16 Market St.; Potsdam, N.Y. 13676; 315-265-5636

Triple Play

Backgammon, Mancala, and Deduce
System Requirements: 128K or 512K Macintosh.
\$39.50 retail each
Triple Play; Division of STEL Enterprises; PO Box 6354; Lafayette, Ind. 47903; 317-742-5369

Trivia

Guessing game
System Requirements: 128K or 512K Macintosh.
\$49.95 retail
Mirage Concepts, Inc.; 4055 W Shaw, #108; Fresno, Calif. 93711; 209-227-8369

Trivia Savant

Guessing game

System Requirements: 128K or 512K Macintosh.

\$39.95 retail

Kastel Technology Corp.; 621 Minna St.; San Francisco, Calif. 94103; 415-863-5636

Underware Ribbons and Underware ColorPens

Iron-on transfer maker

System Requirements: 128K or 512K Macintosh; Imagewriter printer.

\$19.95 retail; Underware Ribbons

\$19.95 retail; Set of Five Underware ColorPens

\$34.95 retail; Ribbon and ColorPens Diversions, Inc.; 1550 Winding Way; Belmont, Calif. 94002; 415-591-0660

Videx Games

Strategy; cards; gambling

System Requirements: 128K or 512K Macintosh.

\$49 retail; MacCheckers with Reversi

\$49 retail; Mac Gammon with Cribbage

\$39 retail; Fun Pak

\$59 retail; Mac Vegas

Videx, Inc.; 1105 Northeast Circle Blvd.; Corvallis, Oreg. 97330; 503-758-0521

Webster's Revenge

Word-search game

System Requirements: 128K or 512K Macintosh.

\$34.95 retail

ShapeChanger Software, Inc.; PO Box 1936; Athens, Texas 75751; 214-677-3509

Wizardry: Proving Grounds Of The Mad Overlord

Adventure game

System Requirements: 128K or 512K Macintosh.

\$59.95 retail

Sir-Tech Software, Inc.; 6 Main St.; Ogdensburg, N.Y. 13669; 315-393-6633

WordPlay

Word game

System Requirements: 128K or 512K Macintosh.

\$44.95 retail

Palantir Software; 12777 Jones Rd., Suite 100; Houston, Texas 77070; 800-368-3797

HOME FINANCE

Apropos Financial Planning Series

Personal financial planning

System Requirements: 128K or 512K Macintosh. Special Requirements: Microsoft Multiplan or Lotus Jazz.

\$95 retail

Apropos Software, Inc.; 64 Hillview Ave.; Los Altos, Calif. 94022; 415-948-7227

Apropos Investment Planning Series

Personal investment planning

System Requirements: 128K or 512K Macintosh. Special Requirements: Microsoft Multiplan or Lotus Jazz.

\$95 retail

Apropos Software, Inc.; 64 Hillview Ave.; Los Altos, Calif. 94022; 415-948-7227

Checkwriter

Checking-account management

System Requirements: 128K or 512K Macintosh.

\$69.95 retail

Orion Training Systems; PO Box 94; Daltown, Pa. 17313; 717-757-7721

ChequeBook

Checking-account management

System Requirements: 128K or 512K Macintosh.

\$49.95 retail

Intermatrix; 5543 Satsuma Ave.; North Hollywood, Calif. 91601; 818-509-0474

Dollars and Sense

Financial management

System Requirements: 128K or 512K Macintosh.

\$149.95 retail

Monogram; 8295 S La Cienega Blvd.; Inglewood, Calif. 90301; 213-215-0529

Dow Jones Market Manager PLUS

Investment management

System Requirements: 128K or 512K Macintosh. Special Requirements: Modem and printer.

\$199 retail

Dow Jones & Company, Inc.; P.O. Box 300; Princeton, N.J. 08540; 800-257-5114

Electric Checkbook

Financial management

System Requirements: 128K or 512K Macintosh.

\$79.95 retail

State of the Art, Inc.; 3191-C Airport Loop; Costa Mesa, Calif. 92626; 714-850-0111

Financial Cookbook

Electronic Arts, see page 00

Forecast

Monogram, see page 00

Haba Check Minder

Bill paying; check writing

System Requirements: 128K or 512K Macintosh.

\$69.95 retail

Haba Systems, Inc.; 15154 Stagg St.; Van Nuys, Calif. 91405; 818-989-5822

The Home Accountant and Financial Planner for the Macintosh

Personal financial management

System Requirements: 128K or 512K Macintosh; external disk drive; printer recommended.

\$150 retail

Arrays, Inc./Continental Software; 11223 South Hindry Ave.; Los Angeles, Calif. 90045; 213-410-3977

The Home Executive

Home-management software

System Requirements: 128K or 512K Macintosh.

\$89.95 retail

Superex Business Software; 151 Ludlow St.; Yonkers, N.Y. 10705; 800-862-8800

The Housekeeper

Aegis Development, Inc., see page 00

Income Tax Solver; Investment Tax Analyst

Income-tax and investment analysis
System Requirements: 128K or 512K Macintosh. Special Requirements: TK!Solver.

\$65 retail; Income Tax Solver

\$150 retail; Investment Tax Analyst

AIS Microsystems; 1007 Massachusetts Ave. NE; Washington, D.C. 20002; 202-547-9113

HOME FINANCE

The Investor

Portfolio management

System Requirements: 128K or 512K Macintosh.

\$150 retail

P Cubed, Inc.; 949 Parklane Ctr.; Wichita, Kan. 67218; 316-686-2000

MacCheck

Financial management

System Requirements: 128K or 512K Macintosh.

\$39.95 retail

Innovative Software; 4909 Stockdale Hwy., Suite 169; Bakersfield, Calif. 93309; 805-832-6698

MacInTax

Personal tax preparation

System Requirements: 128K or 512K Macintosh.

\$70 retail

SoftWeave; 400 Mobil Ave., Bldg. D, Suite C; Camarillo, Calif. 93010; 805-388-2626

Money Maker

The Professor Corp., see page 00

Money Market

Future Novelties, Inc., see page 00

Personal Accountant

Personal financial management

System Requirements: 128K or 512K Macintosh.

\$89.95 retail

Softsync, Inc.; 162 Madison Ave.; New York, N.Y. 10016; 212-685-2080

Portfolio Manager

Client-investment management

System Requirements: 128K or 512K Macintosh.

\$89.95 retail

Superex Business Software; 151 Ludlow St.; Yonkers, N.Y. 10705; 800-862-8800

Q-Tax

Tax planning

System Requirements: 128K or 512K Macintosh.

\$199 retail

Sterling Software; 2030 First Ave., Suite 300; Seattle, Wash. 98121; 206-623-7794

Soft Start—Personal Finance

Personal financial analysis

System Requirements: 128K or 512K Macintosh. Special Requirements: Multiplan.

\$49.95 retail

Allegro Software; 79 Milk St., Suite 1108; Boston, Mass. 02109; 800-343-0664, ext. 5500 or 800-322-1233, ext. 5500

Tax Manager

Micro Lab, see page 00

Tax Master

Mac Products, see page 00

TaxPlan Business Plan

Financial management

System Requirements: 128K or 512K Macintosh.

\$59 retail

FutureVest; 542 West 112th St., Suite 6F; New York, N.Y. 10025; 212-222-1607

Tax Planner '84-'85

Personal tax preparation

System Requirements: 128K or 512K Macintosh.

\$49.95 retail

Apropos Software, Inc.; 64 Hillview Ave.; Los Altos, Calif. 94022; 415-948-7227

Tax-Prep '85

Tax planning and preparation

System Requirements: 128K or 512K Macintosh; two disk drives recommended. Special Requirements: Multiplan.

Annual updates; \$99.95 retail

EZWare Corporation; PO Box 620; Bala Cynwyd, Pa. 19004; 215-667-4064

TaxWizard '84/'85

Tax planning and preparation

System Requirements: 128K or 512K Macintosh.

\$64.95 retail

Gamma Productions, Inc.; 817 10th St., Suite 102; Santa Monica, Calif. 90403; 213-451-9507

OTHER SOFTWARE

31 All-Time Favorite Programs

Miscellaneous

System Requirements: 128K or 512K Macintosh

These 31 programs are all written in Microsoft BASIC and can be modified. \$29.95 retail

Brownbag Software; 8208 N University St.; Peoria, Ill. 61615; 309-692-7786

Eat N.Y.

Eat N.Y. is a data base of over 4,200 New York restaurants, complete with recent ratings and menus and more than 500 reviews by free-lance reviewer Michael Hodges.

\$39 retail

KIN Inc.; 10 Columbus Cir., Suite 1260; New York, N.Y. 10019; 212-333-7854

Hippo Computer Almanac

System Requirements: 128K or 512K Macintosh.

The Hippo Computer Almanac allows users to quickly access specific information on a wide variety of topics ranging from area-code information to zucchini calorie content. Users can also enter their own information.

\$34.95 retail

Hippopotamus Software, Inc.; 985 University Ave., Suite 12; Los Gatos, Calif. 95030; 408-395-3190

MacAlmanic

System Requirements: 128K or 512K Macintosh.

MacAlmanic contains easy-to-use, weekly weather reports, predictions, tidal changes, and astrological information, and is updated yearly for \$8.

Available June, 1985; \$49 retail

C-Band DBS/Encycloware; 715 Washington St.; Ayden, N.C. 28513; 919-746-2773

MacBible

System Requirements: 128K or 512K Macintosh.

MacBible is a 15-disk volume of the King James Bible. It features both New and Old Testament, dictionary file, and history file.

Available June, 1985; \$99 retail

C-Band DBS/Encycloware; 715 Washington St.; Ayden, N.C. 28513; 919-746-2773

MacHome

Ten home programs

System Requirements: 128K or 512K Macintosh.

MacHome includes 10 programs such as Financial Calculator, Home Inventory, Personal Financial Statement, Banner Maker, Stock Record, and others.

\$49 retail



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VOLUME 1, NO. 6

1985

BOSTON MA. 02132

MULTI-COLUMN TEXT AND MIXED GRAPHICS

MacPublisher transforms Apple Macintosh into a text & graphics editing system that produces multi-column newsletters, fliers, catalogs, ads, etc. Several MacPublisher articles (and pictures) can be on the desktop at the same time. Articles may be clipped and carried over to other columns or pages. You may cut out of one and paste into another.

The MiniPage is a "What You See Is What You Get" representation of a full page layout. Articles on the Dummy Page show as blocks, with numbers of lines & characters, and page, column jumps/continuations.

You may photocopy or photo-off-set Imagewriter printouts for very low-cost small-volume publishing. MacPublisher's output can also be printed on Apple's incredible new LaserWriter, or on Allied Linotype's new laser typesetter, giving you a range of print qualities from 72 to 2500 dots per inch! All Macintosh Fonts, Styles and Sizes may be set - ragged or justified, condensed or wide, and with the interline spacing (leading) adjusted to the pixel!

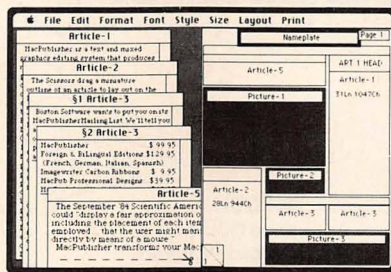
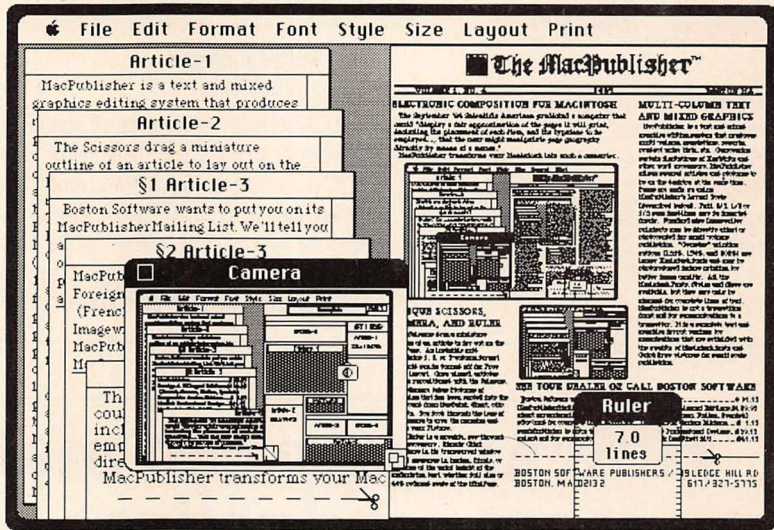
MacPublisher is an electronic publishing system - with editing, composition, and reproduction - under the control of your mouse, and it is "integrating software" that lets you combine your best work from all your Macintosh programs into a superb presentation format.

As a customer said, "MacPublisher is what I bought my Mac for!"

ELECTRONIC PUBLISHING FOR MACINTOSH

"Apple Computer's new laser printer [makes it] possible for individuals with personal computers to become their own typesetters, using computers to lay out and then print pages containing both text and graphic illustrations... It's going to turn the entire [printing] industry upside down." --- New York Times.

"We have worked with systems costing hundreds of thousands of dollars, and what is amazing is that [MacPublisher] does just about everything that most full-scale newspaper and magazine publishing systems can, just on a less automated scale. This is a true publishing package." ----- Terry Ulick (publisher of "Page" Magazine), in his newsletter "MagazineMICRO."



THE LAYOUT TOOLS

The Scissors drag a miniature outline of an article to be laid out or repositioned on the MiniPage or Dummy Page. An invisible grid (1, 2, or 3-columns) can be turned off for Free Form layout.

The Camera can take a Picture of anything that has been copied into the Clipboard from MacPaint, MacVision, ThunderScan, clip art, etc. You use the Camera to size, crop the margins, and frame your Picture.

The Ruler is a see-through and movable desk accessory. Simply Click anywhere in its transparent window and it measures inches, cm, pixels, or lines of the point height of the underlying text. Click on the MiniPage, and it cuts the article to fit perfectly in the measured space.

SEE YOUR DEALER OR CALL BOSTON SOFTWARE

Boston Software wants to put you on its MacPublisher Mailing List. We'll tell you about our carbon ribbons to enhance the output of your Imagewriter, clip art for professional newsletters, and MacLock, an improved Mac security kit.

- MacPublisher.....\$ 99.95
- Foreign & Bilingual Editions.....\$129.95
- {French, German, Italian, and Spanish}
- MacPublisher Designs.....\$39.95
- MacLock (antitheft kit).....\$49.95
- Imagewriter Carbon Ribbons.....\$9.95

BOSTON SOFTWARE PUBLISHERS
BOSTON, MA 02132

19 LEDGE HILL ROAD
617/ 327-5775

MacPublisher runs on 128K or 512K Macintosh, and on Macintosh XL it has an extra-large MiniPage. This ad was produced with MacPublisher and printed on the insanely great Apple LaserWriter.

OTHER SOFTWARE

Creighton Development, Inc.; 16 Hughes St., Suite C-100; Irvine, Calif. 92714; 714-472-0488

MacJob

Job-hunting aid

System Requirements: 128K or 512K Macintosh.

MacJob helps a person find a job.
\$49.95 retail
Superex Business Software; 151 Ludlow St.; Yonkers, N.Y. 10705; 914-964-5200

MacMuscle

Excercise aid

System Requirements: 128K or 512K Macintosh.

MacMuscle helps people plan efficient workouts.
\$69.95 retail
Tech2000 Software, Inc.; 263 Lugonia St.; Newport Beach, Calif. 92663; 714-650-7240

MacNews Public Domain Software

Miscellaneous

MacNews has a collection of 27 disks containing public-domain software.
\$10 each; Quantity discounts
MacNews; 110 Baldwin St.; Fall River, Mass. 02720; 617-678-6282

MacSampler

Public-domain software

System Requirements: 128K or 512K Macintosh; Microsoft BASIC 1.0 or 2.0.

MacSampler contains 10 public-domain programs written for the Macintosh.
\$14.95 retail
Dimensional Disks; PO Box 1180; Blaine, Wash. 98230; 604-585-1986

MacScreen Gems

Start-up screens

MacScreen Gems features 12 unique start-up screens that the user may install on any disk to replace the usual "Welcome To Macintosh" greeting. They will be displayed each time the disk is used to start up the Macintosh. Once the user has purchased the package, the company will personalize a screen

with the owner's name or message at no charge.

\$14.95 retail
American Softwerkz; PO Box 678; Brandon, Fla. 34299; 813-626-0755

Public Domain Software

Programs include utilities, applications, business, communications, games, graphics, fonts, desk accessories, and music.

\$3 retail; Catalog
\$28 retail; For three disks
The Public Domain Exchange; 673 Hermitage Pl., Suite 4; San Jose, Calif. 95134; 408-942-0309

Scripture Bits

Bible reference

System Requirements: 128K or 512K Macintosh.

Scripture Bits is a series of MacWrite documents containing a library of Bible references.
\$22 retail
Medina Software; 2008 Las Palmas Cir.; Orlando, Fla. 32822; 305-281-1557

How a mouse can make you more productive.

**MAC AT WORK
Macintosh™ Windows on Business**

S. Venit and Diane Burns

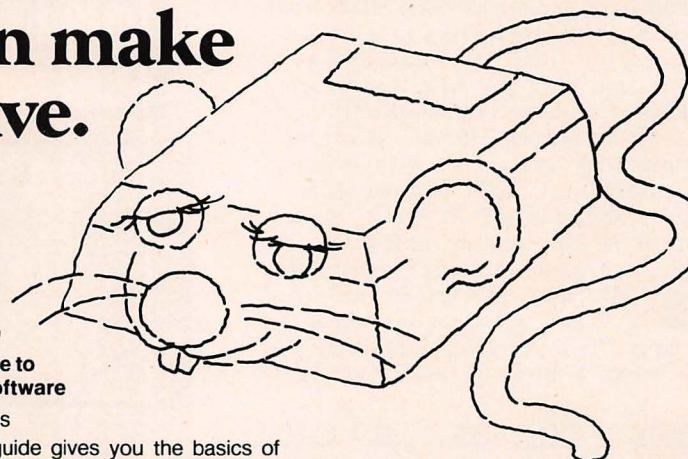
You can utilize the productivity of windows and mouse technology to create over 50 business documents—everything from balance sheets and invoices to proposals and corporate reports. This practical guide shows how to use windows to do multi-task applications and combine text, spreadsheets, and graphics into a single document. Using lots of screen illustrations and examples, *Mac At Work* lets you calculate, chart and graph, plan and schedule, communicate, record, and sort on the Mac. Then it explains how to integrate these functions to create complete and sophisticated documents that can be tailored to such fields as management, finance, insurance, real estate, law, and medicine.
\$17.95 Book/disk pak: \$39.95

**MACINTOSH™
A Concise Guide to
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Dirk van Nouhuys

This software guide gives you the basics of using Mac's word processing, spreadsheet, drafting and design, and data base management functions. It shows how to run every type of major applications program, from MacWrite® and MacDraw® to Multiplan®, ThinkTank®, and FileVision®. Along with step-by-step explanations and real screen illustrations that let you make each package work for you, a candid commentary focuses on the strengths and weaknesses of each software program.
\$16.95

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Circle 48 on Reader Service Card

512K and 1 Megabyte Memory Upgrade

The 512K and 1 Megabyte upgrade are available by mail and come with a free RAM disk program. The company provides a shipping container and tools.

\$379 retail; 512K upgrade

\$995 retail; 1 Megabyte upgrade

MassTech Development Labs, Inc.; 451 Boston Rd.; Groton, Mass. 01450; 617-448-3450

512K Upgrade

The 512K Upgrade is available by mail and includes a 90-day warranty plus a free RAM disk program.

\$389 retail

FutureVest; 542 West 112th St., Suite 6F; New York, N.Y. 10025; 212-222-1607

Alphacom 81 and AlphaPro Printers

Inclusions: Macintosh interface with the Alphacom 81, and an intelligent interface cartridge with the AlphaPro.

\$169.95 retail; Alphacom 81

\$44.95 retail; Interface

\$399.95 retail; AlphaPro

\$49.95 retail; Interface

Alphacom, Inc.; 2323 S Bascom Ave.; Campbell, Calif. 95008; 408-559-8000

Alphacom Traveler

Portable printer

\$199.95 retail; Alphacom Traveler

\$49.95 retail; Interface

Alphacom, Inc.; 2323 S Bascom Ave.; Campbell, Calif.; 408-559-8000

Apple Computer Hardware

Retail prices:

\$495; External Disk Drive

\$99; Numeric Keypad

\$49; Security Kit

\$99; Carrying Case

\$49; Blank Diskettes (10 pack)

\$595; Imagewriter Printer (Standard)

\$795; Imagewriter Printer (15-inch)

\$225; 300-baud Modem

\$495; 1200-baud Modem

Apple Computer, Inc.; 20525 Mariani Ave.; Cupertino, Calif. 95014; 408-996-1010

Avatar PA1000

Protocol converter for IBM 3270 network

Special Requirements: Coaxial cable.

\$1,095 retail

Avatar Technologies, Inc.; 99 South St.; Hopkinton, Mass. 01748; 213-306-6000

BenchTop Instrument BEN-2048 I/O system

The BenchTop Instrument BEN-2048 is a customizable I/O system for serial linkage to personal computers.

\$650 retail

Metaresearch, Inc.; 1100 SE Woodward; Portland, Ore. 97202; 503-232-1712

The Big Mac Monitor

23-inch, high-resolution video monitor

\$1,995 retail

Professional Data Systems; 20 Sunnyside Ave.; Mill Valley, Calif. 94941; 415-383-5537

Cat Communication System Communications

Inclusions: Modem, cable, adapter, and MITE software.

\$499 retail

Novation, Inc.; 20409 Prairie St., PO Box 2875; Chatsworth, Calif. 91311; 818-996-5060

CineMac

Video-output kit

\$195 retail

MicroGraphic Images Corporation; 21040 Victory Blvd., Suite 210; Woodland Hills, Calif. 91367; 818-368-3482

Composite Video Adaptor

Video-output kit

\$199.95 retail

Mentauris Technologies; PO Box 1467; San Marcos, Texas 78666; 512-396-1565

ComputerPhone

Communications package

ComputerPhone is a fully integrated telephone and modem telecommunications system for the Macintosh.

Available June, 1985; \$399.95 retail

Intermatrix; 5547 Satsuma Ave.; North Hollywood, Calif. 91601; 818-509-0474

Corvus OmniDrive

Hard-disk drives

Inclusions: Software diskette; 15-foot interface cable.

\$1,495 to \$9,495; 5 to 126 megabyte

Corvus Systems, Inc.; 2100 Corvus Dr.; San Jose, Calif. 95124; 408-559-7000

DASCH

RAM-disk hardware

DASCH is a high-speed, RAM-disk unit that is fully compatible with all Macintosh software and hardware.

It shares the Macintosh's printer port with the Imagewriter printer, and is available in 500K, 1,000K, and 2,000K models.

\$495 retail; 500K DASCH

Western Automation Laboratories, Inc.; 1700 N 55th St.; Boulder, Colo. 80302; 303-449-6400 or 800-227-4637

Datapen

Bar-code reader

\$375 retail

Datalogic Optic Electronics, Inc.; 20340 Center Ridge; Rocky River, Ohio 44116; 216-333-9410

DataTalker/MAC

Communications processor

\$1,095 retail

Winterhalter, Incorporated; 3853 Research Park Dr.; PO Box 2180; Ann Arbor, Mich. 48106; 800-321-7785 or 313-662-2002

Davong Mac Disk

Hard-disk drives

\$1,950 to \$3,995;

10 to 43 megabyte

Davong Systems, Inc.; 217 Humboldt Ct.; Sunnyvale, Calif. 94089; 408-734-4900

Epson Printers

FX-80+—is an 80-column, high-performance, bidirectional dot-matrix printer with a SelectType feature and the ability to accept LetterType (NLQ) boards.

FX-100+—has a print speed of 160 characters per second and adds a SelectType feature including a panel selection of nine different typestyles and two utility features.

LQ-1500—a 24-pin, dot-matrix printer featuring three printing modes—draft, letter quality, and graphics—with a maximum speed of 200 characters per second.

Spectrum LX-80—an 80-column printer that operates at 100 characters per second in draft mode and 16 characters per second in near letter-quality mode.

\$499 retail; FX-80+

\$699 retail; FX-100+

\$1,295 retail; LQ-1500

\$299 retail; Spectrum LX-80

Epson America, Inc.; 2780 Lomita Blvd.;
Torrance, Calif. 90505; 213-539-9140

Granny Smith Connection

Hardware parallel-expansion interface

Inclusions: Parallel expansion box with built-in shielded cable and connectors, Parallel Print Disk printer drivers, user's start-up guide.

The Granny Smith Connection for the Macintosh is a self-contained, parallel expansion interface that provides access to a wide range of industry-standard parallel printers and plotters.

\$178 retail

Z.A.P. Logic Corporation; 208-5647 Yonge St.; Toronto, Ontario, Canada M2M 4E9;
416-225-8815

HabaDialer

Telephone adapter box

HabaDialer is an inexpensive telephone interface that routes audio tones from the Macintosh into a telephone circuit and uses Habadex or the WindowDialer to automatically dial calls.

\$49.95 retail; HabaDialer

\$89.95 retail; Bundled with WindowDialer
Haba Systems; 15154 Stagg St.; Van Nuys,
Calif. 91405; 818-989-5822

HabaDisk With Software Bundle

Disk drive; software package

HabaDisk is an 800K, double-sided drive bundled with Habadex desktop-management software and QuickFinder, the utility that selects files from internal or external disk drives.

Available June, 1985; \$599.95 retail

Haba Systems; 15154 Stagg St.; Van Nuys,
Calif. 91405; 818-989-5822

HI-80

Plotter

The HI-80 is a four-pen color plotter that features 42 intelligent commands to reduce the programming time required to produce pie charts, bar and line graphs, circles, arrows, arcs, and other computer graphics.

Available September, 1985

\$599 retail

Epson America, Inc.; 2780 Lomita Blvd.; Torrance, Calif. 90505; 213-539-9140

HyperDrive

Internal hard disk

Inclusions: 10-megabyte hard disk, cooling fan, installation labor, and parts; 512K upgrade for the 128K Macintosh.

\$2,195 retail; HyperDrive installed in 512K Macintosh

\$2,795 retail; HyperDrive installed in 128K Macintosh (includes 512K upgrade)

General Computer Company; 215 First St.; Cambridge, Mass. 02142; 800-422-0101

IBMacBridge

IBM PC to AppleTalk access

The IBMacBridge card inserts into an IBM PC expansion slot, and allows the user to directly access Apple products on the AppleTalk Personal Network.

\$495 retail

Tangent Technologies; 5720 Peachtree Pkwy., Suite 100; Norcross, Ga. 30092;
404-662-0366

Infotek Products

Various hardware/software devices

System Requirements: 128K or 512K Macintosh; or a Macintosh XL.

UltraPort—a parallel port kit that allows the attachment of an external hard disk.

Mac File Server—consists of network file-server hardware, cable, and software that can connect up to 63 Macintoshes to the file server.

Personal Laser Printer—a low-cost laser printer.

Network Laser Printer—for use with a Macintosh XL or other file-server network.

Color Cartridge Ink Jet Printer—produces high-quality hard copy.

MacHost—connects up to 12 Macintoshes running MacTerm.

BigMacRAM—a two-megabyte RAM card for the 512K Macintosh and Macintosh XL.

MammouthMac—a 512K Macintosh with a built-in, 10-megabyte Winchester hard-disk drive.

UniMac Business System—allows access to microcomputers supported by the Unix 5 operating system.

UniMac Cluster—a multi-user Unix system consisting of a modified 512K Macintosh, one to 12 Macintosh terminals, and the Unix 5 operating system.

MacNet Business System—a multi-user application system that uses business applications and data bases developed for the Macintosh.

MacPiggyBack—a back-mounted Win-

chester hard disk and 512K upgrade.

MacMegRam—2 or 2½ megabytes of internal RAM for the Macintosh.

Personal Laser Printer—operates with any Macintosh or Macintosh XL computer. All accessories included.

MacVid—a composite video output adapter that mounts internally and allows large screen monitors to display Macintosh screens.

\$425 retail; UltraPort

\$1,800 to \$4,900, depending on disk capacity and backup; Mac File Server

\$3,300 retail; Personal Laser Printer

\$3,300 (Ver. 1) and \$6,800 (Ver. 2) retail; Network Laser Printer

\$449 retail; MacHost

\$3,900 retail; BigMacRAM

\$2,100 retail; MammouthMac

\$1,699 retail; MacPiggyBack

\$499 retail; 512K upgrade

\$1,199 retail; MacMegRam

\$3,195 retail; Personal Laser Printer

\$189 retail; MacVid

Infotek, Inc.; 56 Camille Ln.; E Patchogue, N.Y. 11772; 516-289-9682

KAT

Touch tablet

Inclusions: Touch tablet and stylus with built-in mouse button.

KAT directly replaces the Macintosh mouse and allows full cursor control with all software without installing special drivers.

Available June, 1985; About \$200 retail
Koala Technologies Corp.; 2065 Junction Ave.; San Jose, Calif. 95131; 800-562-2327

L.I.N.E.A.C.

Environmental network

A Large-scale Intelligent Network for Environmental Audit and Conservation (L.I.N.E.A.C.) system consisting of from one to 256 remote, networked Universal Micro-controllers (Metaresearch EMM-2048a) or any other EMUX-compatible, two-wire stations. Metaresearch, Inc.; 1100 SE Woodward; Portland, Ore. 97202; 503-232-1712

Mac488A

IEEE 488 bus controller

The Mac488A adds IEEE 488 bus capability—including controller, talker, and listener functions—to the Macintosh. It allows the Macintosh to control over 4,000 different instruments for applications ranging from laboratory automation to process control.

\$595 retail

IOtech, Inc.; PO Box 21204; Cleveland, Ohio 44121; 216-831-8646

MacBoard

512K expansion

MacBoard is a 512K Macintosh reworked board with socketed memory and a free RAM disk program.

\$450 retail with trade-in

VOAD Systems; 12301 Wilshire Blvd., Suite 101; Los Angeles, Calif. 90025; 213-207-8866

Macbottom

Hard-disk drive

Macbottom is an external hard-disk drive that provides 10 megabytes of additional data-storage space and comes with software and cables.

\$1,595 retail

Personal Computer Peripherals Corp.; 6204 Benjamin Rd.; Tampa, Fla. 33614; 813-884-3092

MacAccessories Portable Modem

\$140 retail

Kensington Microware, Ltd.; 251 Park Ave. S; New York, N.Y. 10010; 212-475-5200

MacCharlie

Coprocessor; IBM PC emulation

Available second quarter, 1985

\$1,195 retail; 256K, one floppy drive

\$1,895 retail; 640K, two floppy drives

Dayna Communications; 50 South Main St., Suite 530; Salt Lake City, Utah; 800-531-0600

MacColby

Repackaged Macintosh

MacColby is 100-percent Macintosh compatible because it is a repackaged Macintosh. The company strips the Macintosh, its keyboard, its modem, and disk drive of their Apple-supplied cases and houses them in the

new MacColby case, which consists of an internal aluminum case and an outside plastic case.

\$699 retail; MacColby conversion

\$3,299 retail; MacColby 512K

Colby Computer; 849 Independence Ave.; Mountain View, Calif. 94043; 415-968-1410

MacDrive

Hard-disk drives

Inclusions: All cables and software.

\$1,995 retail; MacDrive 5

\$3,290 retail; Two MacDrive 5

\$1,995 retail; MacDrive 10

\$3,290 retail; MacDrive 10+5

Tecmar, Inc.; 6225 Cochran Rd.; Solon, Ohio 44139; 216-349-0600

MacEnhancer

Port-expansion system

Inclusions: Printer-driver software and terminal-emulation software.

\$249 retail

Microsoft Corporation; 10700 Northup Way, PO Box 97200; Bellevue, Wash. 98009; 206-828-8080

MacModem

Communications

Inclusions: Modem, telephone cord, communications software, cable, user's manual, and quick-reference card, free time on Dow Jones.

\$599 retail; MacModem 1200

\$899 retail; MacModem 2400

Microcom, Inc.; 1400A Providence Hwy.; Norwood, Mass. 02062; 617-762-9310

MacMonitor; MacInterface

MacMonitor is a low-cost, lightweight, 19-inch monitor for the Macintosh.

The MacInterface is a low-cost video interface kit for the Macintosh.

\$790 retail; MacMonitor

\$190 retail; MacInterface

Contrex International; PO Box 5500; Newport Beach, Calif. 92662; 714-673-4200

Mac Port Adapter

Serial and parallel expander

System Requirements: 128K or 512K Macintosh; Macintosh XL.

The Mac Port Adapter plugs into the Macintosh printer or modem port, adding a Centronics-compatible parallel port as well as providing a serial port.

\$79 retail

Assimilation, Inc.; 485 Alberto Way; Los Gatos, Calif. 95030; 408-356-6241

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Street Address: 505 W. Olive, #767, Sunnyvale, CA 94086

Mac Private Eye

Video digitizer

\$595 retail

I/O Video, Inc.; 225 Third St.; Cambridge, Mass. 02141; 617-547-4141

MacSlide Maker

Slide or print-making system

Special Requirements: 35mm slide or print film. Inclusions: Video-output board.

\$3,495 retail

MicroGraphic Images Corporation; 21040 Victory Blvd., Suite 210; Woodland Hills, Calif. 91367; 818-368-3482

MacTablet

Graphics tablet

\$495 retail

Summagraphics Corporation; 777 State St. Extension; Fairfield, Conn. 06430; 203-384-1344

Mac Turbo Touch

Trackball controller

\$109 retail

Assimilation, Inc.; 485 Alberto Way; Los Gatos, Calif. 95030; 408-356-6241

MegaMac and MegaRAM

1,024K memory-upgrade kit; RAM-disk software

\$1,395 retail; MegaRAM with software included

MicroGraphic Images Corporation; 21040 Victory Blvd., Suite 210; Woodland Hills, Calif. 91367; 818-368-3482

Microline 192/193

Dot-matrix printers

\$499 retail; Microline 192

\$600 retail; Microline 193

Okidata; 532 Fellowship Rd.; Mount Laurel, N.J. 08054; 609-235-2600

M.I.D.I. Conductor

Musical-instrument interface

The M.I.D.I. Conductor will allow a Macintosh user to connect the computer with nearly every music synthesizer and MIDI instrument or peripheral, and give the capability of recording, mixing, and replaying electronic instrument sound. The device will also allow the Macintosh to print notation. Available June, 1985

\$89 retail

Assimilation, Inc.; 485 Alberto Way; Los Gatos, Calif. 95030; 408-446-0797

Missing Link

Serial-to-parallel converter

Missing Link lets you connect computer serial ports to printer parallel ports, establishing a line of communication between your computer and printer.

\$89 retail

Intrepid Technologies; PO Box 31211; Santa Barbara, Calif. 93130; 805-685-6770

MSI-1

Serial-to-parallel interface

Inclusions: Communications software.

\$350 retail

Technological Services Company; PO Box 2125; Clinton, Miss. 39056; 601-924-3304

Numeric Turbo

Input device

System Requirements: 128K or 512K Macintosh; Macintosh XL.

The Numeric Turbo is a high-speed data-input device with a gyroscopic-ball cursor controller and a fully functional numeric keypad.

\$149 retail

Assimilation, Inc.; 485 Alberto Way; Los Gatos, Calif. 95030; 408-356-6241

Okidata Printers

Dot-matrix printers

\$569 retail; ML 92

\$869 retail; ML 93

\$99 retail; Apple Plug 'N Play kit

Okidata; 532 Fellowship Rd.; Mt. Laurel, N.J. 08054; 609-235-2600

Omni-Reader

Character reader

Special Requirements: Compatible word-processing, data-base, or spreadsheets software.

\$499 retail; Omni-Reader

\$50 retail; Interface software

Oberon International; Suite 630, LB48, 5525 McArthur Blvd.; Irving, Texas 75038; 214-446-9567 or 800-262-3766

Parallel Printer Interface

Parallel Printer Interface allows printing to a standard Centronics parallel-type printer from the Macintosh serial printer port.

\$89.95 retail

CAT Systems; 21115 Devonshire St.; Chatsworth, Calif. 91311; 805-251-7806

Printer Optimizer

Printing control center; print spooler

\$598 with serial option

Applied Creative Technology, Inc.; 2156 W Northwest Hwy., Suite 303; Dallas, Texas 75220; 800-433-5373

Project-A-Mac

Wide-screen projection system

Special Requirements: External video card.

\$4,495 retail

Professional Data Systems; 20 Sunnyside Ave.; Mill Valley, Calif. 94941; 415-383-5537

QC10 and QC20

Hard-disk drives

The QC10 and QC20 hard-disk drives can store 10 to 20 megabytes of information respectively, and can be segmented into smaller storage areas called volumes.

\$1,995 retail; QC10

\$2,595 retail; QC20

Quark Peripherals, Inc.; 2525 West Evans Ave., Suite 220; Denver, Colo. 80219; 800-543-7711

RamStak

Memory expansion

RamStak is a 512K to 2MB memory expansion board for the Macintosh XL.

\$895 to \$2,695 retail

AST Research, Inc.; 2121 Alton Ave.; Irvine, Calif. 92714; 714-863-1333

Sensorbus Sensor Interface Modules and Software

Sensor interface modules

Special Requirements: Power supply, computer-interconnect cable, and network cable

Transensory Devices, Inc.; 44060 Old Warm Springs Blvd.; Fremont, Calif. 94538; 415-490-3333

Star Micronics Printers

Dot-matrix printers

\$299 to \$949 retail, depending on model selected

Star Micronics, Inc.; 200 Park Ave.; New York, N.Y. 10003; 212-986-6770

Symbfile

10½- to 42-megabyte, hard-disk drives

Symbiotic Computer Systems, Ltd.; Duroma House; 32 Elmwood Rd.; Croydon, Surrey, CR92TX, England; 01-683-1137PBX

Systemizer

Serial/parallel printer controller; data buffer

\$299 retail and up

Applied Creative Technology; 2156 W Northwest Hwy.; Dallas, Texas 75220; 800-433-5373

ThunderScan

Digitizing scanner for Imagewriter printer

System Requirements: Imagewriter printer.

Inclusions: Cartridge, cables, user's guide, and application software.

\$229 retail

Thunderware, Inc.; 21 Orinda Way; Orinda, Calif. 94563; 415-254-6581

TPS Electronics

PC-380 Bar Code Reader
PC-580 Magnetic Stripe Reader
PC-3800 Bar Code/Magnetic Stripe Reader Combination

\$795 retail; PC-380

\$695 retail; PC-580

\$995 retail; PC-3800

TPS Electronics; 4047 Transport St.; Palo Alto, Calif. 94303; 415-856-6833

Universal Microcontroller

EMM-2048a

Serial environmental computer

The Universal Microcontroller EMM-2048a is an Intel 8031/51-based computer that provides data sensing/control via serial lines.

Each unit can run RS-232 (3-wire), RS-422 (4-wire), or EMUX (2-wire) from any computer that supports the given serial standard.

\$750 retail

Metaresearch, Inc.; 1100 SE Woodward; Portland, Ore. 97202; 503-232-1712

Valiant Turtle

Remote-controlled robot

The Valiant Turtle is a sophisticated,

remote-controlled programmable robot. It carries a pen that draws whatever is being drawn on the screen of the Macintosh.

\$399.95 retail

Harvard Associates, Inc.; 260 Beacon St.; Somerville, Mass. 02143; 617-492-0660

Visionary 100 And 1200

Modems

\$595 to \$895, depending on memory;

Visionary 100

\$795 to \$1,195, depending on memory; Visionary 1200

Visionary Electronics, Inc.; 141 Parker Ave.; San Francisco, Calif. 94118; 415-751-8811

Volkmodem 12; Signalman

Express

Modems

System Requirements: Communications software.

\$299 retail; Volkmodem 12

\$439 retail; Signalman Express

Anchor Automation, Inc.; 6913 Valjean Ave.; Van Nuys, Calif. 91406; 818-997-7758

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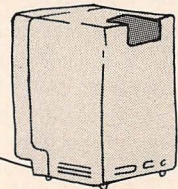
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ACCESSORIES

A-B Box

The A-B Box gives you an extra serial port by enabling the user to plug two peripherals into it.

\$99.95 retail
Kensington Microware Ltd.; 251 Park Ave. S;
New York, N.Y. 10010; 212-475-5200

Cleaning Kits

\$24.95 retail; Mouse Cleaning Kit with Mouse Pocket
\$29.95 retail; Disk Drive Cleaning Kit
Kensington Microware Ltd.; 251 Park Ave. S;
New York, N.Y. 10010; 212-475-5200

Computer Graphics Color Packet

The Computer Graphics Color Packet comes with eight colored, self-adhesive sheets of transparent film and a knife to apply color to Macintosh artwork.
\$15 retail
Channel Productions; 315 1/2 West Pedregosa St.; Santa Barbara, Calif. 93101; 805-569-0034

Computer Table

\$160 delivered
Premier Computer Furniture; 2057 South Broadway; Denver, Colo. 80210; 303-761-5671

Covers

These are antistatic dust covers for the Macintosh XL and the external disk drive.
\$13.75 retail; Macintosh XL Dust Cover
\$9.95 retail; External Disk Drive Dust Cover
Kensington Microware Ltd.; 251 Park Ave. S;
New York, N.Y. 10010; 212-475-5200

Covers; MacSack

\$24.20 retail; three-piece Macintosh cover set
\$75 retail; MacSack Model R
\$85 retail; MacSack Model 2S
ComputerAid, Inc.; PO Box 293; Barrington, R.I. 02806; 401-245-0532

Custom Dust Covers

\$36.95 retail per set
Elegant Interiors; 855 South Knoxville; Tulsa, Okla. 74112; 918-835-5807

Designer Dust Covers

Attractive 100-percent nylon dust covers available in beige with brown trim or blue with gray trim.
\$26 retail; Monitor and keyboard set
\$20 retail; Imagewriter and other printers

\$6 retail; Disk drive
\$4.50 retail; Mouse cover
Crosby Creations; W 3327 Alice Ave.; Spokane, Wash. 99205; 509-327-6884

Disk Album

The album is constructed of sturdy vinyl with a Velcro closure and holds 60 3 1/2-inch disks. The file system comes with color-coded index strips and index labels.
\$37.95 retail
Fellowes Manufacturing Co.; 1789 Norwood Ave.; Itasca, Ill. 60143; 312-893-1600

Eichner Locking Diskette File

\$29.95 retail
Fellowes Manufacturing Co.; 1789 Norwood Ave.; Itasca, Ill. 60143; 312-893-1600

Express Computer Supplies

Ribbons—Black, colored, and heat-transfer ribbons for the Imagewriter printer.
Dust Covers—Clear dust covers for the Imagewriter printer and the Macintosh.
Swivel Base—For the Macintosh.
Media Mate 3—Disk-storage case that holds 30 3 1/2-inch disks.
Mouse Trac
Write or call for descriptions and price sheet.
Express Computer Supplies; 1684 Market St.; San Francisco, Calif. 94102; 415-864-3026

Fiberbilt Cases

\$99.50 retail; Mac-Mover (hard carrying case)
\$225 retail; Mac-System Flight Case (polyethylene case)
Fiberbilt Cases, Inc.; 601 W 26th St.; New York, N.Y. 10001; 800-847-4176

Frontrunner Accessories

MouseAround—a drawing board that will allow a user to trace artwork.
MouseMedic—a cleaning kit for the entire Macintosh system.
DiskMedic—a cleaning kit for the Macintosh 3 1/2-inch disk drive.
MouseHouse—a holder for the Macintosh mouse that attaches to the side of the Macintosh with removable Velcro strips.
MouseMat—provides a clean, smooth rolling surface for the mouse.
MacCover—custom, antistatic vinyl covers for the Macintosh, keyboard, mouse, and Imagewriter printer.
MacShell—a two-piece, protective hard-shell cover for the Macintosh console and keyboard.

MacZap I—a miniature tote-along electronic surge protector.

MacZap II—a multi-outlet electronic surge protector for the Macintosh. It has six outlets, four of which are controlled by a master on-off switch.

Rainbow Ribbons—high-quality film ribbons available in yellow, blue, red, green, brown, silver, purple, and black.

Draw 'n Wear—heat-transfer ribbons available in yellow, blue, red, green, brown, purple, and black.

Print 'n Switch—allows both an Imagewriter and a letter-quality printer to be simultaneously connected to the Macintosh.

\$49.95 retail; MouseAround
\$19.95 retail; MouseMedic
\$19.95 retail; DiskMedic
\$5.95 retail; MouseHouse
\$29.95 retail; MouseMat
\$29.95 retail; MacCover
\$29.95 retail; MacShell
\$19.95 retail; MacZap I
\$49.95 retail; MacZap II
\$9.95 retail; each Rainbow Ribbon
\$14.95 retail; each Draw 'n Wear
\$119.95 retail; Print 'n Switch
Frontrunner Computer Industries; 316 California Ave., Suite 712; Reno, Nev. 89509; 702-786-4600

HabaRack

HabaRack organizes the Macintosh components and saves desktop space by positioning the peripherals neatly around the CPU.
\$59.95 retail
Haba Systems; 15154 Stagg St.; Van Nuys, Calif. 91405; 818-989-5822

Hardcover

\$12.95 retail per set
Diversified Manufacturing, Inc.; 242 North Cleveland; Wichita, Kan. 67214; 316-263-6120

Head Cleaning Disk

\$39.95 retail
Vikor Company, Inc.; PO Box 3123; Nashua, N.H. 03061; 603-889-8530

I-Basket

I-Basket is a hard-sided, foam-lined, plastic, locking carrying case for the standard-size Apple Imagewriter.
\$100 retail
Justin Case Manufacturing Corp.; 334 Main St.; Port Washington, N.Y. 11050; 516-883-2299

Infotek Accessories

MacJoy—a joystick that replaces the mouse for best use with games.

MacCool—a fan that installs in the Macintosh to prevent overheating.

MacTimer—an external control device that makes use of the Macintosh alarm clock and sound output to turn on or off electrical appliances.

MacKeybase—an antislid, antielectrostatic base for the Macintosh keyboard.

MacAmp—an audio amplifier for increasing the volume of the Macintosh.

MacTools—a set of uncommon tools used to take apart and reassemble the Macintosh.

MacHeadphones—lightweight, Walkman-style headphones that produce high-fidelity sounds.

MacSpeaker—an external speaker that plugs into the Macintosh.

Imagewriter Color Ribbons—available in yellow, red, blue, green, purple, brown, and black.

MacInker—reinks your Imagewriter ribbons up to 30 times.

MacDesk—a desktop workstation designed to fit the Macintosh and Imagewriter printer.

MousePointer—attaches to your mouse and is used for accurately tracing hard-copy pictures.

PortaMac—an external accessory kit that enables the Macintosh to run without 110V power for up to 90 minutes.

MacUPS—a power supply that automatically switches over to provide 120 volts of internal battery power when the regular power fails for 30 minutes.

MacPortSwitch—allows you to switch control between several serial devices attached to one of your serial ports.

\$49 retail; *MacCool*

\$12.95 retail; *MacKeybase*

\$49.95 retail; *MacAmp*

\$19.95 retail; *MacTools*

\$16.95 retail; *MacHeadphones*

\$19.95 retail; *MacSpeaker*

\$7.95 each retail; *Colored Ribbons*

\$5 retail; *Black Ribbon*

\$39.95 retail; *MacInker*

\$49 retail; *MacDesk*

\$4.95 retail; *MousePointer*

\$350 retail; *PortaMac*

\$199 retail; *MacUPS*

\$59.95 retail; *MacPortSwitch*, 2-device switch

\$89.95 retail; *MacPortSwitch*, 4-device switch

Infotek Inc.; 56 Camille Ln.; E Patchogue, N.Y. 11772; 516-289-9682

I/O Design Accessories

T-Shirt Factory—a full-color transfer kit that creates plain paper iron-on transfers using the Imagewriter.

Macinware—a carrying case.

Imageware—Imagewriter carrying case.

Mac-in-the-Box—a wooden desktop workstation that houses the Macintosh and peripherals.

ColorRibbons—ribbons for the Imagewriter are available in red, blue, green, brown, yellow, and purple.

Heat Transfer Ribbons—create iron-on transfers in four colors: red, blue, yellow, and black.

Color 6 Pack—one each of six color ribbons available in a set.

Black Nylon Ribbons

ColorPrint 3—includes ColorPrint Software plus one each red, blue, and yellow color ribbons.

ColorPrint 6—includes ColorPrint Software plus one each red, blue, yellow, green, brown, and purple color ribbons.

ColorPrint Transfer—includes ColorPrint Software plus one each red, blue, yellow, and black color-transfer ribbons.

ColorPrint System—includes ColorPrint Software plus one each red, blue, yellow, green, brown, and purple color ribbons, plus one each red, blue, yellow, and black color-transfer ribbons.

\$54.95 retail; *T-Shirt Factory*

\$99.95 retail; *Macinware*

\$69.95 retail; *Imageware*

\$99.95 retail; *Mac-in-the-Box*

\$9.95 retail; *Each ColorRibbon*

\$14.95 retail; *Heat Transfer Ribbons*

\$54.95 retail; *Color 6 Pack*

\$7.95 retail; *Black Nylon Ribbons*

\$74.95 retail; *ColorPrint 3*

\$99.95 retail; *ColorPrint 6*

\$99.95 retail; *ColorPrint Transfer*

\$149.95 retail; *ColorPrint System*

I/O Design, Inc.; 19 Lafayette St.; Rumson, N.J. 07760; 201-747-0943

Justin Case

BASKET—a hard-sided, foam-lined, plastic, locking case for the Macintosh.

D-BASKET—holds everything that the *BASKET* holds plus an external disk drive, modem, and cords.

\$100 retail; *BASKET*

\$130 retail; *D-BASKET*

Justin Case Manufacturing Corp.; 334 Main St.; Port Washington, N.Y. 11050; 516-883-2299

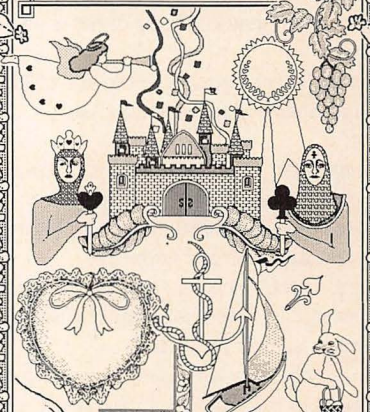
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ACCESSORIES

Kensington Maccessories

Disk Case—provides storage for separate Macintosh disks.

Surge Suppressor—built-in surge-suppression and noise-filtering circuitry power cord.

Swivel—a base that attaches to the bottom of the Macintosh.

Tilt and Swivel—allows you to swivel the Macintosh and tilt it to the viewing angle most convenient for you.

Control Center—combines several convenient functions into one accessory: surge suppression, line noise filtering, static protection, triple-outlet strip, and power switch for each outlet.

Universal Printer Stand—raises a printer to allow monitoring or output by a user and stores several hundred sheets of paper underneath.

Mouse Pocket—attaches to the side of the Macintosh with adhesive-backed Velcro strips.

Imagewriter Dust Cover—antistatic cover that protects the Imagewriter printer.

Dust Cover—antistatic cover that protects both the Macintosh and keyboard.

Starter Pack—includes surge suppressor, Macintosh dust cover, Imagewriter dust cover, swivel, and tilt and swivel.

Travelling Disk Case—constructed of sturdy plastic, it has room for 12 Macintosh disks.

\$30 retail; Disk Case with Disk Pocket

\$49.95 retail; Surge Suppressor

\$35 retail; Swivel

\$34.95 retail; Tilt & Swivel

\$99.95 retail; Control Center

\$29.95 retail; Universal Printer Stand

\$9.95 retail; Mouse Pocket

\$13.75 retail; Imagewriter Dust Cover

\$13.75 retail; Dust Cover

\$89.95 retail; Starter Pack

\$12.95 retail; Travelling Disk Case

Kensington Microwave Ltd.; 251 Park Ave. S; New York, N.Y. 10010; 212-475-5200

MacGard

The MacGard provides protection from voltage surge, static discharge, faulty ground, and radio-frequency interference.

\$89.95 retail plus \$3.50 for shipping

Systems Control; PO Box 788M; Iron Mountain, Mich. 49801; 800-338-9297

Macintosh 3.5" Head Cleaning Kit

Available now; \$39.95 retail

Nortronics Company, Inc.; 8101 10th Ave. North; Minneapolis, Minn. 55427; 800-328-5640

Macintosh Case

\$30 retail

American Tourister; 91 Main St.; Warren, R.I. 02885; 401-245-2100

Macintosh Kit; Micro DiskFiler

The Macintosh Kit contains two products. The MouseMat is a letter-sized pad that lays flat on a desk with the right surface for smooth mouse movement, and the QuickStand holds four disks in an upright, easy-to-grab position.

The Micro DiskFiler holds up to 30 disks, has six dividers, and a transparent cover.

\$24.95 retail; Macintosh Kit

\$19.95 retail; Micro DiskFiler

Computer Accessories Corporation; 7696 Formula Pl.; San Diego, Calif. 92121; 619-695-3773

Macintosh Modular Computer Bag

The Macintosh Modular Computer Bag carries a complete Macintosh computer system in one shockproof, waterproof, lightweight case.

\$199.95 retail; Macintosh Modular Bag

\$129.95 retail; PC3003 Macintosh Bag

KIWI; 6721 NW 36th Ave.; Miami, Fla. 33147; 305-835-8228

MacKablit

MacKablit is a security device that deters theft of Macintosh computer hardware using steel cables and locks.

\$39.95 retail

Secure-It, Inc.; 10 Center Sq.; East Longmeadow, Mass. 01028; 413-525-7039

MacLock

MacLock is a heavy-duty, antitheft kit that includes a heavy 3/16-inch, plastic-jacketed steel cable; foolproof desk clamp with inaccessible screws; and a case-hardened steel padlock.

\$49.95 retail

Boston Software Publishers, Inc.; 19 Ledge Hill Rd.; Boston, Mass. 02132; 617-327-5775

MacProColor System

The MacProColor Package will allow anyone with a 35mm camera to create professional-quality computer graphics. The package includes an eight-lesson tutorial manual, 35mm sample slides, a tutorial sample disk, 24 color filters, and a tripod.

\$99.95 retail

Aurora Borealis Computer Graphics; 1033 Battery St.; San Francisco, Calif. 94111; 414-392-2971

Mac Products

Mac Lock—a Macintosh security kit made of vinyl-covered steel tabs and cables that includes a strong padlock.

Mac Cables—to connect modems, printers, and peripherals to the Macintosh.

\$29.95 retail; Mac Lock

\$29.95 retail; Mac Cables

Mac Products; 20231 San Gabriel Valley Dr.; Walnut, Calif. 91789; 714-595-4838

MacSpeak

MacSpeak is an external speaker with two high-fidelity quality speakers.

\$19.95 retail; MacSpeak

\$24.95 retail; MacSpeak with earphone

Superex Business Software; 151 Ludlow St.; Yonkers, N.Y. 10705; 800-862-8800

MacStation

MacStation encloses the Macintosh on the top and two sides. A printer rests on the top with a tray provided for continuous-form paper. On each side, two cubicles with adjustable shelves can house a second disk drive, modem, etc.

\$95 retail

The MicroRain Corp.; PO Box 96008, Dept. 150; Bellevue, Wash. 98009; 800-547-4000, Dept. 420

MacTilt

MacTilt is an ergonomic stand for the Macintosh.

\$99.95 retail

Ergotron, Inc.; 1621 E 79th St., Suite C133; Minneapolis, Minn. 55420; 612-854-9116 or 800-328-9839

MacTools

The Mentauris MacTools are a set of two technician hand tools that are used to safely and correctly open, remove, and replace the Macintosh housing.

Available now; \$24.95 retail

Mentauris Technologies; PO Box 1467; San Marcos, Texas 78667; 512-396-1565

Macfote

Carrying case

Optimum Computer Luggage; 9005 Complex Dr.; San Diego, Calif. 92123; 800-447-0300

Media Mate 3; DiskBank 3

The Media Mate 3 is a storage filing system for 3½-inch disks.

The DiskBank 3 is a storage and filing system that allows the user to interlock and stack an unlimited number of disks.

\$14.95 retail; Media Mate 3

\$5.95 retail; DiskBank 3

Amaray International Corporation; 14935 NE 95th St.; Redmond, Wash. 98052; 800-426-2729

Mouse Mover

Mouse Mover snaps on to the bottom of the mouse, and its 99 ball bearings let the mouse ride and glide over the work area smoothly and effortlessly.

\$19.95 retail

Magnum Software; 21115 Devonshire St., Suite 337; Chatsworth, Calif. 91311; 818-700-0510

Mouse Pad

The Mouse Pad is a plastic pad designed so the mouse will roll smoothly.

\$12.95 retail

South Bay Software; PO Box 969; Millbrae, Calif. 94030; 415-579-5455

MouseTracer

MouseTracer is a metal drafting arm and wooden drawing board that allows users to trace existing artwork and graphics.

\$34.95

Brimark Innovations; 9821 Yolanda Ave.; Northridge, Calif. 91324; 818-885-8660

Mouse-Trap

Mouse-Trap provides a convenient storage place for the mouse and attaches to any smooth surface by means of self-adhesive Velcro pads.

\$9.95 retail

RAEX Enterprises; PO Box 327; Beloit, Wis. 53511; 608-365-9798

Moustrak

The Moustrak Mouspad is a foam-rubber pad that allows the user to roll the mouse with greater speed and accuracy.

\$7.95 to \$10.95 retail

Moustrak, Inc.; 3047 St. Helena Hwy.; St. Helena, Calif. 94574; 707-963-8179

Nortronics Mouse Cleaning Kit

The Mouse Cleaning Kit contains everything necessary to keep a mouse clean and in good working condition.

\$17.95 retail

Nortronics Company, Inc.; 8101 10th Ave. North; Minneapolis, Minn. 55427; 800-328-5640

Oak Disk Cube

The 3½-inch Oak Disk Cube holds up to 50 3½-inch disks.

\$39.95 retail

M&M Micro Accessories; 1533 Ralston Ave.; Burlingame, Calif. 94010; 415-342-2591

The Paper Saver

The Paper Saver stops tractor-fed paper from curling into the single-sheet slot.

\$6 retail; Imagewriter

\$8 retail; Imagewriter Wide Carriage

Ferro Enterprises; PO Box 2151; La Jolla, Calif. 92038; 619-456-2213

Pneu-Mouse

Pneu-Mouse is a slippery, pneumatically elevated platform on which the Macintosh mouse rests for frictionless movement.

\$74.95 retail

Pneu-Mouse Corporation; 194 Spencer Ln.; Nashville, Tenn. 37210

The Printer Stand

The Printer Stand elevates your printer to a 45-degree angle for maximum readability.

\$44.95 retail; The Printer Stand

\$49.95 retail; The Printer Stand wide model
Murphy Engineering Co., Inc.; 809 E. Chestnut St.; Boonville, Ind. 47601; 800-372-7980 or 812-897-0490

Ribbons, Color and Heat Transfer

\$9 retail; Color ribbons

\$12 retail; Heat transfer ribbons

Sharp Color; PO Box 1442; Lancaster, Ohio 43130; 614-687-0129

Ribbons, Process Color

These Imagewriter color ribbons allow users to print multicolored drawings and art-

work. A set includes one yellow, one magenta, and one cyan ribbon.

\$29.95 retail per set

Esoft Enterprises; PO Box 179; Owasso, Okla. 74055; 918-272-7616

Ring King Products

Micro Diskette Looseleaf Files—nonglare, antistatic vinyl protection for two 3½-inch micro diskettes..

Diskette Storage Tray—protects up to 50 3½-inch micro diskettes in a tough, durable co-polymer shell.

Looseleaf File Panel—stores two 3½-inch micro diskettes and is compatible with either 8½- by 5½-inch or 9½- by 6-inch software manuals.

Looseleaf Files—nonglare, antistatic vinyl protection for six 3½-inch micro diskettes.

\$.80 retail; Micro Diskette Looseleaf Files

\$26.95 retail; Storage Tray

\$1.75 retail; Diskette File Panel

\$1.10 retail; Looseleaf Files

Ring King Visibles, Inc.; 2210 Second Ave.; Muscatine, Iowa 52761; 319-263-8144

Trav-L-Case

The Trav-L-Case is constructed of plywood with vinyl covering. The interior is Ethafoam padding custom formed for Macintosh equipment.

\$219 to \$269 retail

Computer Case Co.; 3947 Danford Sq.; Columbus, Ohio 43220; 614-876-1784 or 800-848-7548

Weber & Sons Products

Color Coded Disk Labels—available in red, yellow, green, orange, pink, and white.

Disk File System—holds 90 to 100 3½-inch disks.

Macintosh Kit—contains 25 antistatic disk jackets with pockets and color-coded insert cards; 120 color-coded labels; one disk file; and one disk holder stand.

\$4.95 retail; Set of 120 labels

\$9.95 retail; Disk File System

\$49.95 retail; Macintosh Kit

Weber & Sons, Inc.; 3468 Hwy. 9, RD #4; Freehold, N.J. 07728; 201-431-1128

BOOKS

101 Ways to Use a Macintosh: A Practical Guide For The Rest Of Us

\$14.95 retail
Random House, Inc.; 201 East 50th St.; New York, N.Y. 10022; 800-638-6460

AIM Buyer's Guide To Apple Computers

\$12.95 retail; or \$45 with 12 monthly updates
Association of Independent Microdealers; 3010 N Sterling Ave.; Peoria, Ill. 61604; 309-685-4843

Beginning Basic with the Apple Macintosh

How To Use the Apple Macintosh
\$23.95 retail; Beginning Basic with the Apple Macintosh
\$3.50 retail; How To Use the Apple Macintosh
Alfred Publishing Co.; 15335 Morrison St.; Sherman Oaks, Calif. 90403; 818-995-8811

The Book of Apple Macintosh Software

MacArt: Using MacPaint and MacWrite
\$19.95 each
Arrays, Inc./The Book Division; 11223 South Hindry Ave.; Los Angeles, Calif. 90045; 213-410-9466

Brady Communications Books

\$18.95 retail or \$43.95 retail with diskette; Macintosh Assembly Language
\$19.95 retail; Microsoft BASIC for the Macintosh
\$15.95 retail or \$40.95 retail with diskette; Inside the Macintosh
Brady Communications Co., Inc.; Bowie, Md. 20715; 800-638-0220 or 301-262-6300

CBS Educational and Professional Publishing Books

\$16.95 retail; MacWrite Made Easy
\$17.95 retail; Macintosh Assembler
\$9.95 retail; The Graphic Macintosh Book
\$17.95 retail; Graphics For The Macintosh: An Idea Book
\$17.95 retail; MacWrite: Guide for Students and Business Professionals
\$14.95 retail; Macintosh BASIC
\$11.95 retail; Mouse Magic For Kids...And

Parents, Too!, Book 1
\$11.95 retail; Mouse Magic For Kids...And Parents, Too!, Book 2
\$11.95 retail; Mouse Magic For The Entire Family
\$17.45 retail; The MAC Book: Using Your Apple Macintosh Computer
CBS Educational and Professional Publishing; 383 Madison Ave.; New York, N.Y. 10017; 212-872-2619

Einstein's Illustrated Guide to the Apple Macintosh

\$9.95 retail
Harcourt Brace Jovanovich, Publishers; 1250 Sixth Ave.; San Diego, Calif. 92101; 619-231-6616

Hayden Books

\$18.95 retail; Basic Microsoft BASIC for the Macintosh
\$18.95 retail; Introduction to Macintosh BASIC
\$14.95 retail; MacBook—The Indispensible Guide to Software and Peripherals
\$16.95 retail; Macintosh Multiplan
\$24.95 retail; Macintosh Revealed—Volume One, Unlocking the Toolbox
\$29.95 retail; Macintosh Revealed—Volume Two, Programming with the Toolbox
\$49.95 retail; Personal Financial Advisor—Managing and Making Money with Multiplan
Hayden Book Company; 10 Mulholland Dr.; Hasbrouck Heights, N.J. 07604; 800-631-0856 or 201-393-6300

How To Use The Macintosh The Macintosh Apple: A Comprehensive Reference Guide

\$7.95 retail; How To Use The Macintosh
\$14.95 retail; The Macintosh Apple: A Comprehensive Reference Guide
dillithium Press; 8285 SW Nimbus, Suite 151; Beaverton, Oreg. 97005; 503-646-2713

Introducing Macintosh

\$7.95 retail
Collins Professional and Technical Books; 8 Grafton St.; London W1X 3LA; 01-493-7070

Introducing The Apple Macintosh Macintosh User's Guide

\$12.95 retail; Introducing The Apple Macintosh
\$16.95 retail; Macintosh User's Guide
Howard W. Sams & Co., Inc.; 4300 West 62nd St.; Indianapolis, Ind. 46268; 800-428-7267 or 317-298-5400

John Wiley & Sons Books

\$16.95 retail; MACINTOSH: A Concise Guide to Applications Software
\$49.95 retail; Generic Data Structure Components in Modula-2
\$39.95 retail; MacArt for Business
\$23 retail; disk only
Available Fall
\$49.95 retail; Using Lotus's JAZZ
\$34.95 retail; disk only
John Wiley & Sons; 605 Third Ave.; New York, N.Y. 10158; 212-850-6336

Learning Microsoft Basic For The Macintosh

\$19.95 retail
CompuSoft Publishing; 535 Broadway; El Cajon, Calif. 92021; 619-588-0996

Mac Developer's Guide

A guide that describes the details of Macintosh application development. The enclosed program is written on diskette and is self-starting.
\$24.95 retail
MicroStrategies; 11409 28th Dr. SE; Everett, Wash. 98204; 206-337-2849

Macintosh Pascal

\$19.95 retail
Computer Science Press, Inc.; 11 Taft Ct.; Rockville, Md. 20850; 301-251-9050

Macintosh Pascal Illustrated

\$16.95 retail
Addison-Wesley Publishing Co.; Two Jacob Way; Reading, Mass. 01867; 617-944-3700

Macintosh Typefaces, a Reference Guide to Shapes, Sizes and Styles

\$14.95 retail
Houlberg Development; PO Box 271075; Escondido, Calif. 92027; 619-747-6379

Osborne/McGraw-Hill Books

\$14.95 retail; Microsoft Word Made Easy
\$14.95 retail; Multiplan Made Easy
\$17.95 retail; Using Macintosh BASIC
\$16.95 retail; MacTelecommunications
\$11.95 retail; Using MacWrite and MacPaint
\$17.95 retail; Using Macintosh Pascal
\$18.95 retail; The Microsoft BASIC Book
Osborne/McGraw-Hill; 2600 Tenth St.; Berkeley, Calif. 94710; 800-227-2895 or 800-772-4077

Programming Macintosh BASIC

\$17.95 retail

Burgess Communications; 2455 Bennett Valley Rd., Suite 212A; Santa Rosa, Calif. 95404; 707-523-7533

Scott, Foresman and Company

Books

\$15.95 retail; MAC POWER: Using Macintosh Software

\$9.95 retail; MacCats: 99 Ways to Paint a Cat with MacPaint

Available Summer

\$18.95 retail; Multiplan Mastery on the Macintosh

\$17.95 retail; Microsoft BASIC 2.0 Programming for the Mac

\$16.95 retail; Getting Inside the Macintosh: A Programmer's Guide

Available Fall

\$18.95 retail; 58 Business Programs for the Macintosh

\$14.95 retail; The Jazz Book

\$14.95 retail; MacGraphics for Business

Scott, Foresman and Company; 1900 East Lake Ave.; Glenview, Ill. 60025; 312-729-3000

PUBLICATIONS

1984 Annual Microindex-Mac Edition

The Annual Microindex contains references from many magazines, periodicals, and newsletters to both Macintosh and Macintosh XL articles, reviews, notes, and product announcements for 1984.

\$17.95 retail

Serious Personal Computing; PO Box 7059; South Nashua, N.H. 03060; 603-888-1376

Helix User News

A monthly newsletter that provides new product announcements, tips on how to use the Helix program, a descriptive list of specific applications developed by Helix users, a classified section, and more.

\$19 per year

Helix User Service; 3511 Sheridan; Des Moines, Iowa 50310; 515-279-4212

Macazine

Magazine on disk

Macazine is a bimonthly publication on disk.

\$60 per year

Dail's Software Company; PO Box 2861; Newport News, Va. 23602; 804-874-0347

MACazine

Magazine

MACazine is a monthly Macintosh magazine that specializes in user-friendly product reviews, articles, hints, tips, new product information, and more.

\$18 per year

Icon Publishing Corp.; 113 East Tyler St.; Athens, Texas 75751; 214-677-2793

MacBriefs

An encyclopedic digest of Macintosh published information.

\$12 per year

Future Now Communications; PO Box 2178; Huntington Beach, Calif. 92647; 714-842-0518

The Macintosh Connection

Newsletter

The Macintosh Connection contains news, tips, trends, product sources, reviews, and articles on new technology.

\$35 for 10 issues

Hi-Tek Publications; PO Box 99; North Salem, N.H. 03073; 603-893-2485

Macintosh Office News

Macintosh Office Reports

The Macintosh Office News is a bi-monthly newsletter about using Macintosh in the office. Macintosh Office Reports are specific, vertical-market studies.

\$110 retail; Macintosh Office News per one-year subscription

Prices vary; Macintosh Office Reports Tekdoc; PO Box 252; North Andover, Mass. 01845; 617-689-9449

Mac-Mania

Newsletter

Mac-Mania is a bimonthly newsletter described as "an information exchange for Macintosh users."

\$20 per year

Smart Mart Press; 4589 70th St.; La Mesa, Calif. 92041; 619-469-1090

MacNews Update

Newsletter

MacNews Update comes out eight times per year and is devoted to news and reviews.

\$15 per year

MacNews; 110 Baldwin St.; Fall River, Mass. 02720; 617-678-6282

MacPoint

MacPoint is a "pointer publication" that refers readers to other sources of informa-

tion about the Macintosh computer.

\$15 for six issues

MacPoint; 5704 Harper; Chicago, Ill. 60637; 312-955-1954

MacPublishing Quarterly

Explores Macintosh electronic publishing software, hardware, and applications.

\$20 per year

Future Now Communications; PO Box 2178; Huntington Beach, Calif. 92647; 714-842-0518

Mac Tech Journal

Technical journal

The Mac Tech Journal is dedicated to the detailed analysis of Macintosh products.

\$39 for six issues

Serious Personal Computing; PO Box 7059; South Nashua, N.H. 03060; 603-888-1376

MacTutor

Programming journal

MacTutor is a monthly programming journal devoted to software development.

\$24 per year

MacTutor; PO Box 846; Placentia, Calif. 92670; 714-993-9939

Macworld

Monthly magazine

Macworld includes features, departments, and tips for Macintosh users in 150+ pages each month.

\$24 per year

PC World Communications, Inc.; 555 De Haro St.; San Francisco, Calif. 94107; 415-861-3861

Semaphore Signal

Periodical

Semaphore Signal articles deal primarily with product reviews and reader correspondence.

Free in the U.S.

Semaphore Corp.; 207 Granada Dr.; Aptos, Calif. 95003; 408-688-9200

SoftSpot Magazine

Magazine on disk

System Requirements: 128K or 512K Macintosh.

SoftSpot is a monthly magazine on a disk.

\$199 for 12 issues or \$19.95 each

SoftSpot Magazine; 18032-C Lemon Dr.; Yorba Linda, Calif. 92686; 714-779-2922

SERVICES

Compu-Print

On-line service

Compu-Print is a service that enables users to send files through a modem for typeset output. Typeset copy is mailed the next day.

\$62 per year

C-Band DBS/Encycloware; 715 Washington St.; Ayden, N.C. 28513; 919-746-2773

Graphic Design Services

21st Century Software offers two graphic design services to Macintosh owners. First, they will convert your MacPaint document to a start-up screen.

Second, the company will design custom fonts in any size from six to 36 points.

\$20 retail for start-up screen conversion

\$30 to \$35 retail for custom screens in the company's catalog

\$5 retail per point size for each custom font
21st Century Software; 2306 Cotner Ave.; Los Angeles, Calif. 90064; 213-829-4436

MacNet/News

On-line services

MacNet/News is an on-line consulting and information network that offers users support activities.

\$25 per year; \$1.25 per minute on-line time

The Networkers; 3500 Market St., #103; San Francisco, Calif. 94131; 415-550-1710

MacPaint Typesetting

Macintosh users can have their MacPaint files typeset. Send your Macintosh diskette and they will return high-resolution documents on photographic typesetting paper within 72 hours after receipt.

\$9.95 per file

Aptos Post Typography; PO Box 910; 8058 Valencia St.; Aptos, Calif. 95001; 408-688-7474

Screens

High-resolution prints

This process reproduces full screens exactly as they appear as high-resolution typeset documents.

\$12 each print, including reduction as requested

George Graphics; 650 2nd St.; San Francisco, Calif. 94107; 415-397-2400

TechniCall

Telephone support

TechniCall is a service designed to provide immediate help to Macintosh owners. As a subscriber, you have toll-free access to a responsive team of Apple experts.

\$15 retail; Per solution

\$89 retail; 10-solution subscription

InterSol, Inc.; 75 Hancock St.; Braintree, Mass. 02184; 617-848-7222

Tyetrronics

Typesetting service

Tyetrronics receives Macintosh or other word-processed files for professional typesetting output.

Stylo Software, Inc.; PO Box 916; Idaho Falls, Idaho 83402; 208-529-3210

USER GROUPS

Berkeley Macintosh Users Group

User group

Membership includes a 100-page plus newsletter and access to dozens of public-domain programs.

\$15 per semester retail

Berkeley Macintosh Users Group; 1442A Walnut St.; Suite 153; Berkeley, Calif. 94709

The Boston Computer Society

User group

The Boston Computer Society; One Center Plaza; Boston, Mass. 02108; 617-367-8080

Club Mac

User group

Club Mac is a national information exchange for Macintosh users.

\$35 membership fee

Club Mac; 735 Walnut; Boulder, Colo. 80302; 303-449-5533

Los Angeles Macintosh Group

User group

Los Angeles Macintosh Group; 12021 Wilshire Blvd., #349; Los Angeles, Calif. 90025; 213-392-5697

MacProgram UnLimited

User group

MacProgram UnLimited Users Group; 1737 Solano Ave., P-2; Berkeley, Calif. 94707; 415-527-1756

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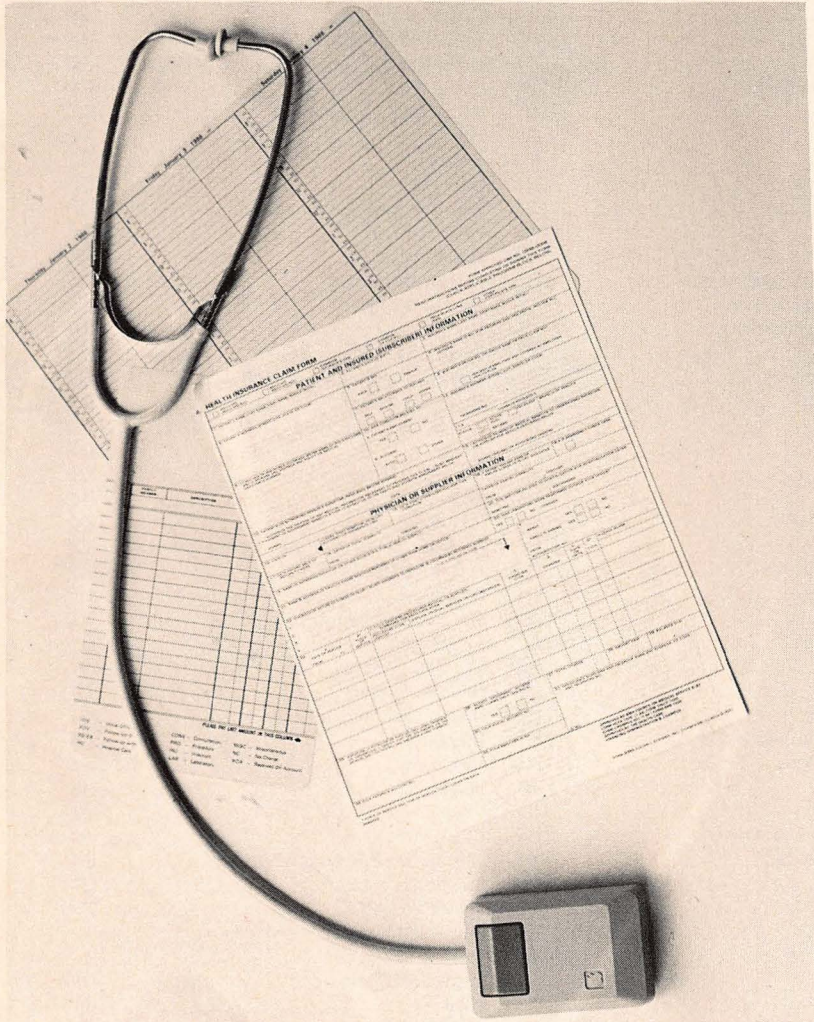
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Introducing! TessSystem One™ Medical Office Management For The Macintosh™

Finally, someone has designed a medical office management system that is easy to use. TessSystem One™. It lets you run your medical office the way you have always wanted to, quickly and effectively.



TessSystem One is the first medical office management system designed specifically for the Macintosh. It is an accounts receivable package, an appointment calendar and a patient management system combined into one fully integrated system. TessSystem One is fast. You can move from one application to the other, instantly. You don't waste time putting an application away. It saves you time and makes you efficient.

TessSystem One is flexible. You create your own procedure and diagnosis dictionaries that apply specifically to your practice. And you can use those codes to print standard AMA insurance forms, monthly statements and patient receipts. Whenever you need them. If you are looking for the most efficient way to manage your medical office, contact your local authorized TessSystem One dealer or call Tess Data Systems, Inc. You'll be on your way to being the most efficient you can be.

Tess Data Systems, Inc.
17070 Red Oak Drive, Suite 403B
Houston, Texas 77090
(713) 440-6943

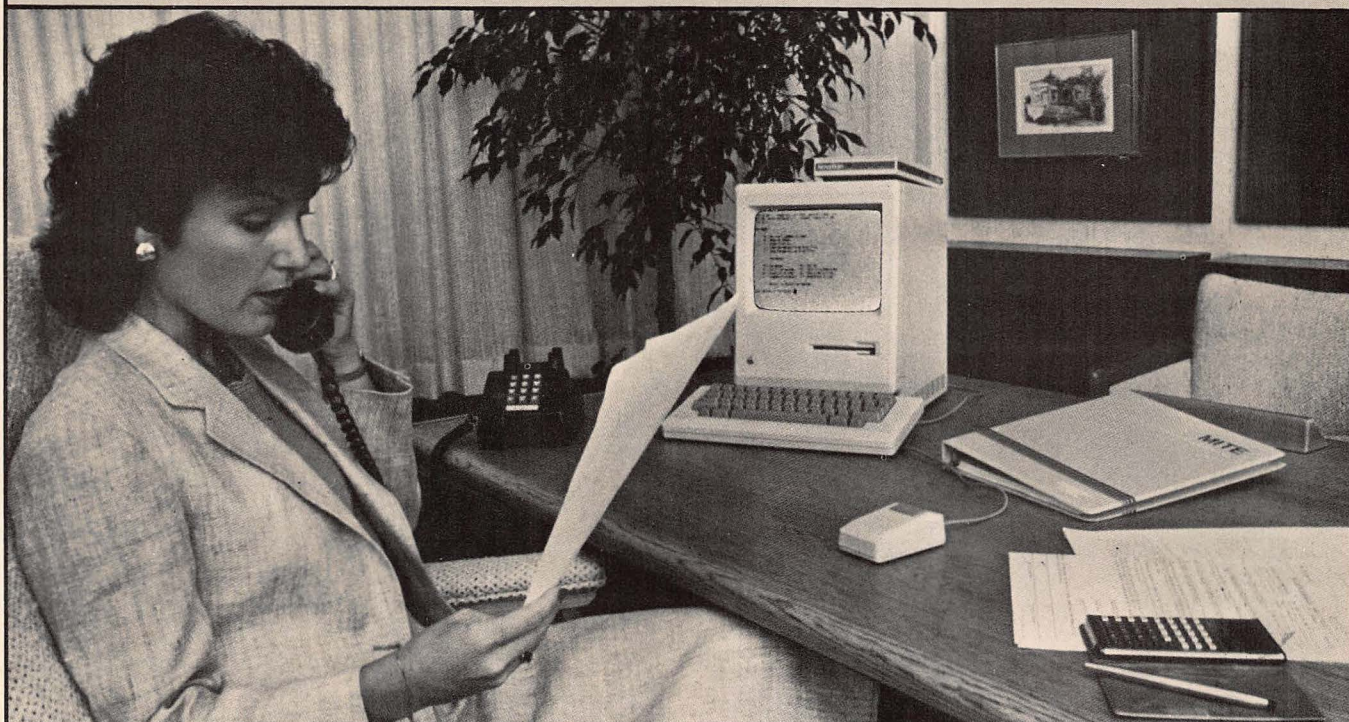
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Your data storage capacity is limited only by the size of the drive you choose. And, regardless of the size of any given file, you can back it up onto floppy disks. MacDrive will even tell you when it's time to put in a fresh floppy.

With MacDrive's new software you can divide and conquer

Thanks to a special partitioning feature, MacDrive software lets you divide the MacDrive into separate, manageably sized volumes. For example, our 10 megabyte hard disk system can be broken up into 20 partitions. So you can set up separate categories for your correspondence, presentations, reports, spreadsheets, games and so on. This smaller-scale organization also means your Macintosh will be able to retrieve the files you want more efficiently.

You'll be up and running in minutes

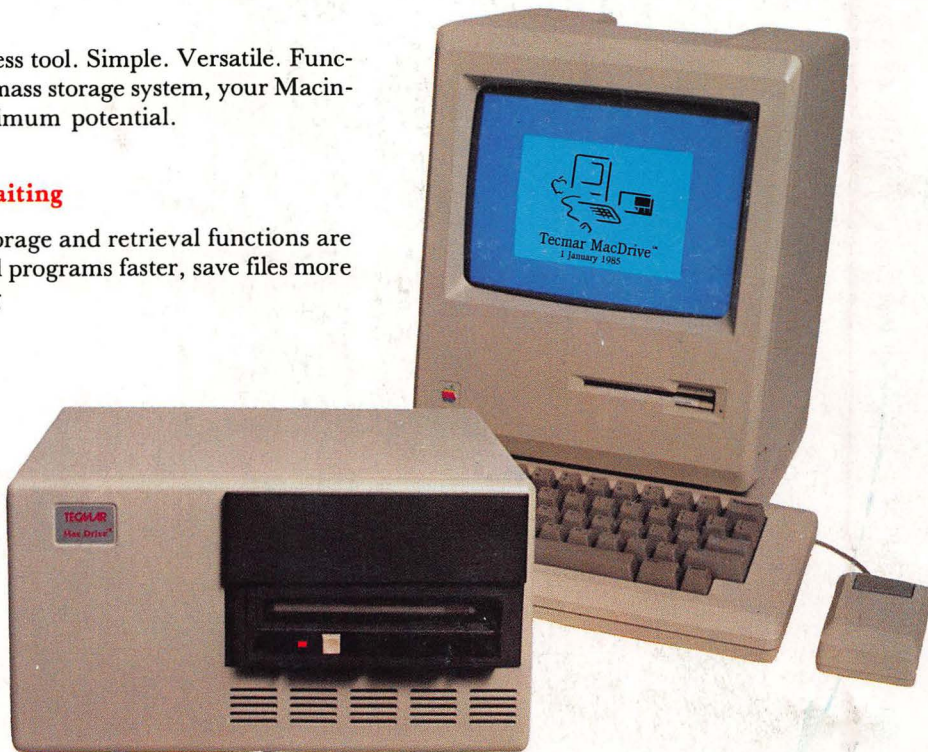
MacDrive includes all the cables and software you'll need to have the system operating in less than 10 minutes. Just plug in two cords and you're on your way. More good news: MacDrive uses your printer port and comes with its own port for a printer — leaving the modem port free for other important applications.

You've got four great choices

MacDrive is available in four flexible configurations:

- *10 megabyte fixed hard disk
- * 5 megabyte removable hard disk
- *10 megabyte fixed hard disk plus 5 megabyte removable disk
- *Two 5 megabyte removable disks

If you'd like to see a Macintosh working to the max, stop in at your nearest Tecmar dealer for a MacDrive demonstration. To find out who that dealer is, call Tecmar at 216/349-1009.



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