Now the world's favourite personal computer is one of the world's most powerful.
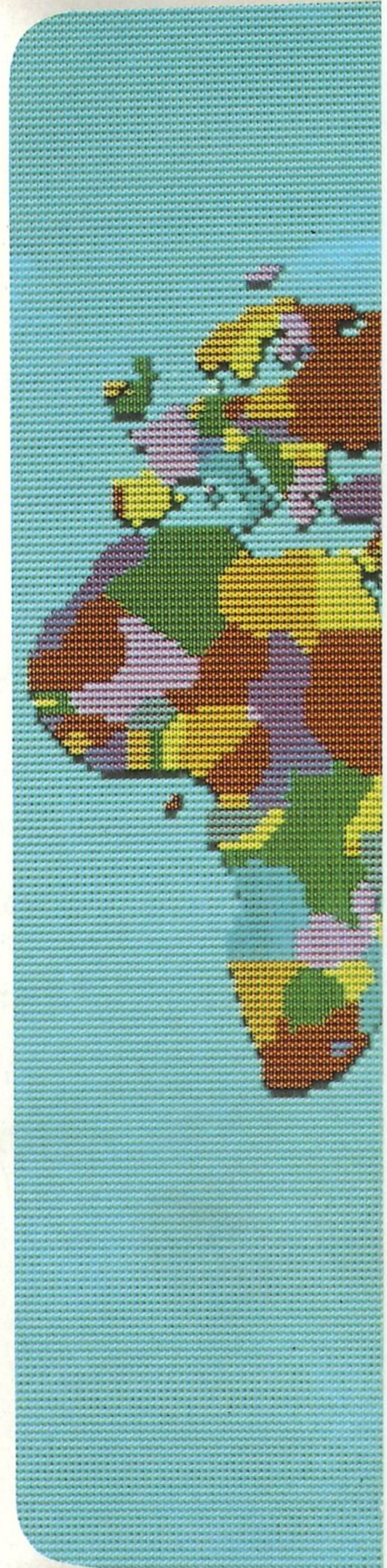
Introducing the Apple™ IIGS.™

The strength of the past, the power of the future.

There are three million Apple II users around the world.

Businesses. Freelancers and entrepreneurs. Teachers and pupils. Artists and scientists.

Individuals who use their computers in three million different ways – which says a great deal about the Apple II's versatility, staying power, and ingeniously flexible design.

So when we set out to create a new generation of Apple II, we knew that we were building on a hugely successful heritage. All we then had to do was use the newest technology to make it fast, powerful, communicative and colourful. As well as compatible with the enormous range of existing software and hardware, and as flexible as ever.

Welcome to the Apple IIGS.

First, meet the 65C816 microprocessor. It has 16-bit performance, making light work of powerful new software, yet it can run virtually every program in the existing Apple II library – up to three times faster.
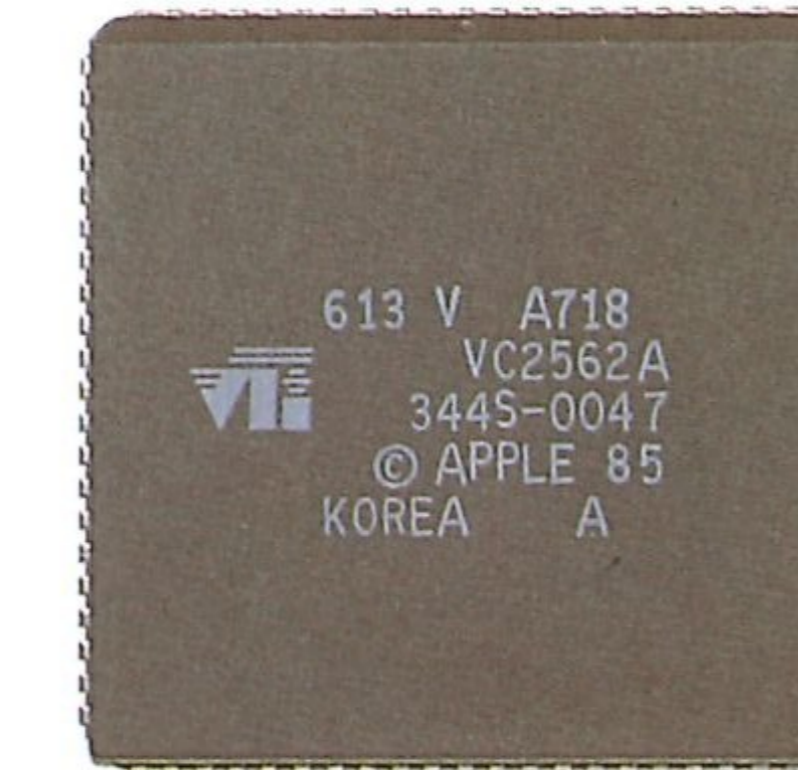
It does this by working with another chip, the most surprising one of them all. The Mega II; the Apple II on a chip! This tiny device has the functionality of the Apple II family crystallised into one square inch, which leaves a lot of room for new features.

Take a look at the outstanding graphics combined with 4096 colours of stunning intensity, from electric red to the most delicate violet.

Close your eyes and listen to its 32-oscillator synthesizer, enabling it to reproduce sound as faithfully as it reproduces sight, from natural human speech to jazz compositions and film sound effects.

It has the power to meet the toughest problems that business has to face, yet with the same friendly approach of its famous brother, the Apple Macintosh.™ The mouse is free. And so is the software that makes managing your computerised information as easy as selecting papers from a desktop.

So, with almost a decade of success behind it, the new high-performance Apple II looks forward to a new generation of opportunities to show off its new talents. The possibilities are endless.

Apple IIGS

Thousands of solutions.
Three times faster.

Literally thousands of solutions have already been written for the Apple II. So, unlike many new computers, there is no need to wait for ways to see your new system perform.

Indeed, you may be able to solve all of your business problems with one powerful program: AppleWorks™ 2.0.

With elegant simplicity, AppleWorks integrates the three most popular business tools for the personal computer: a word processor to handle your writing tasks, a spreadsheet program to cope with financial projections and analysis, and a database manager to keep all your records organised.

What's more, AppleWorks links all three applications together. So you can write a convincing proposal, incorporate financial data from your spreadsheet, and link it with database information – with the touch of a few keys.

The three major applications of AppleWorks were designed for each other. Each is a powerful program in its own right; for example, the word processing features include centering and indented text, with your words showing on the screen as they would look on the page.

Insert, delete, search, replace and move are carried out quickly and efficiently. It can also carry out proportional spacing, underlining, bold face, superscript and subscript.

The AppleWorks spreadsheet is large enough to handle your most demanding financial needs – 999 rows by 127 columns. It has many advanced features including individually variable column widths, cell formatting, sorting by rows, and cell protection. You can even use models created with other spreadsheets.

The database manager is flexible enough to store any type of information and review or sort all or part at a moment's notice. AppleWorks has its own built-in report writer to create specialised reports and lists. Also built-in is a mail merge facility, allowing you to easily create customised letters based on information in the database.
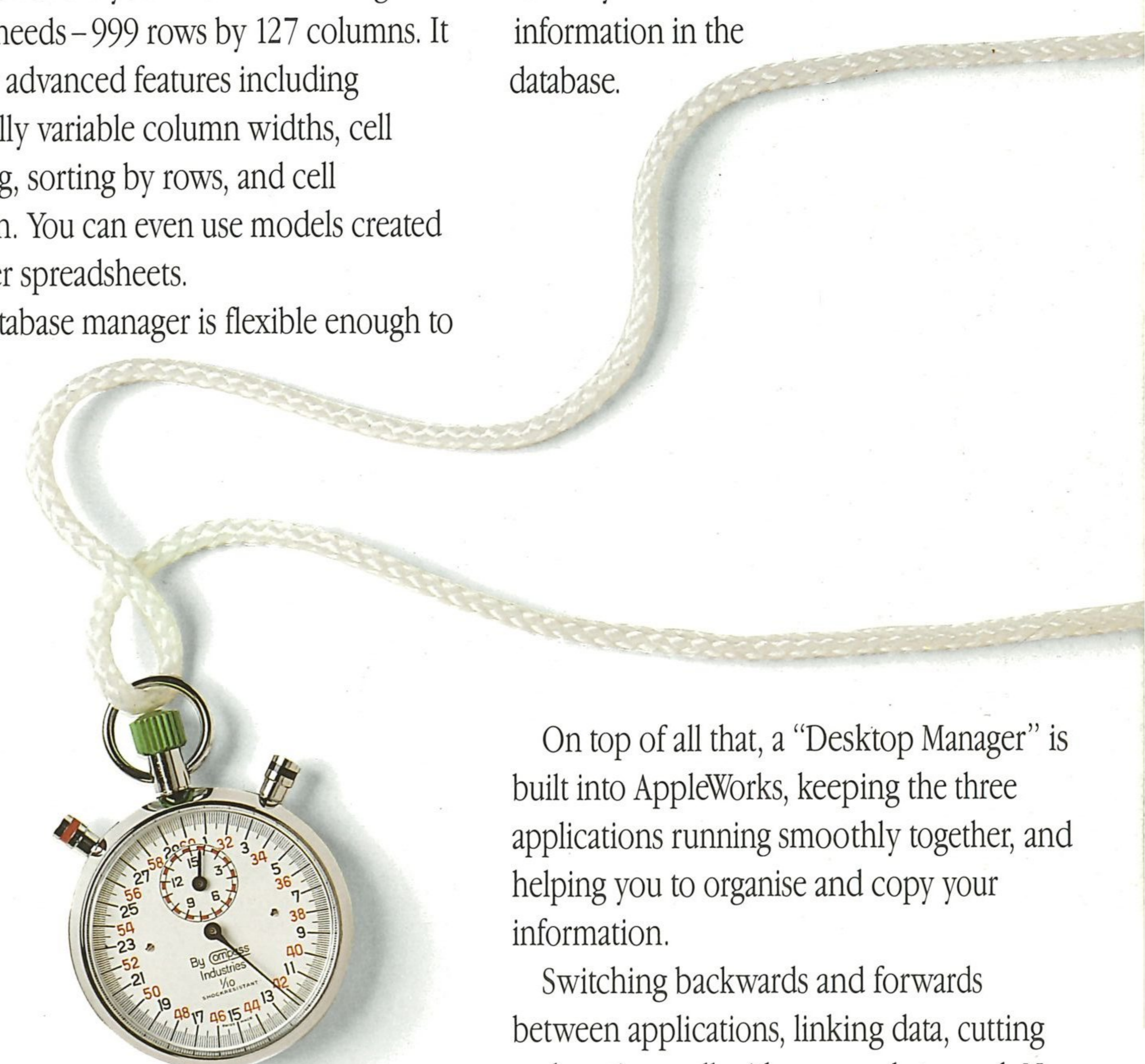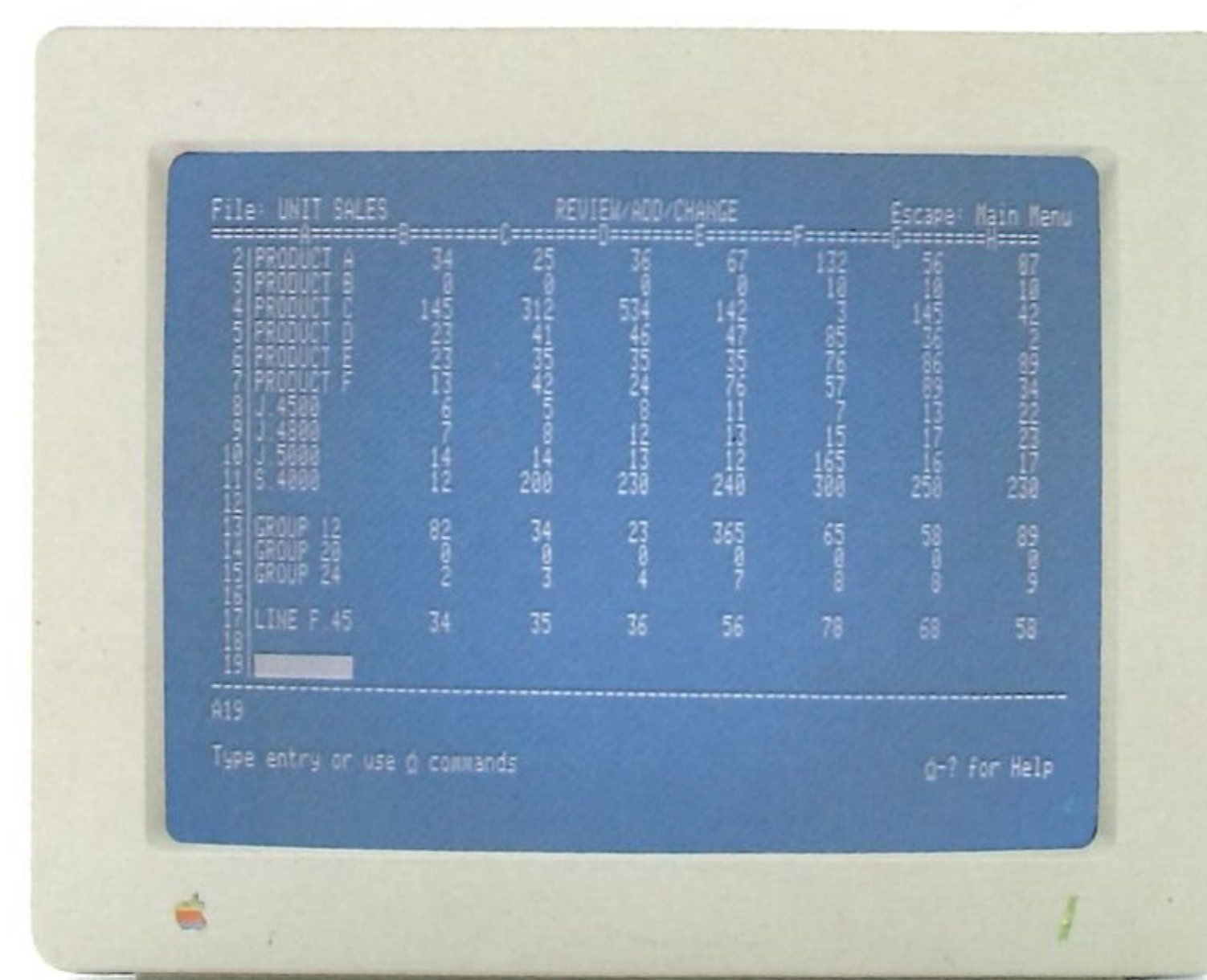
On top of all that, a "Desktop Manager" is built into AppleWorks, keeping the three applications running smoothly together, and helping you to organise and copy your information.
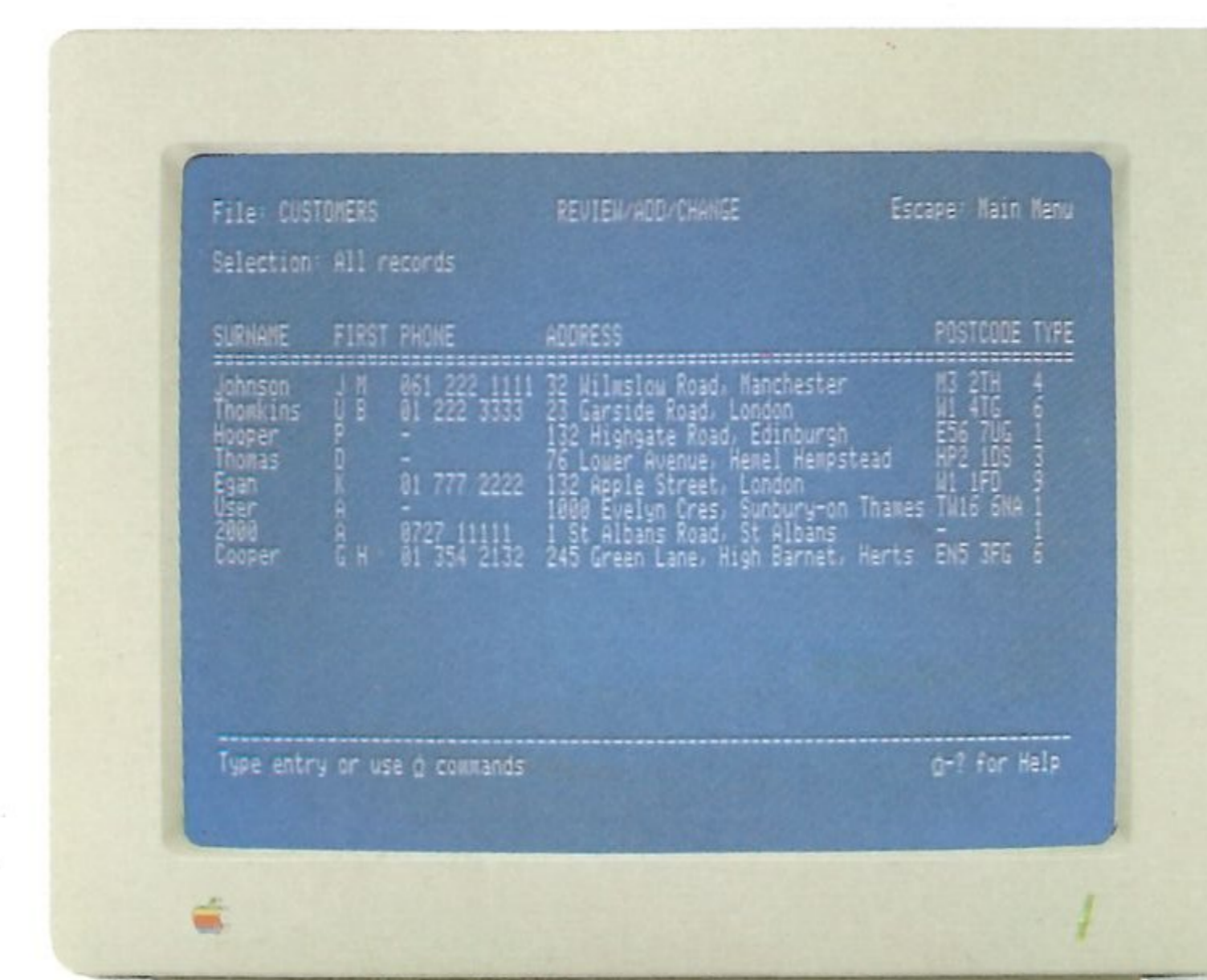
Switching backwards and forwards between applications, linking data, cutting and pasting…all with ease and at speed. No wonder AppleWorks is one of the best selling software packages in the world.
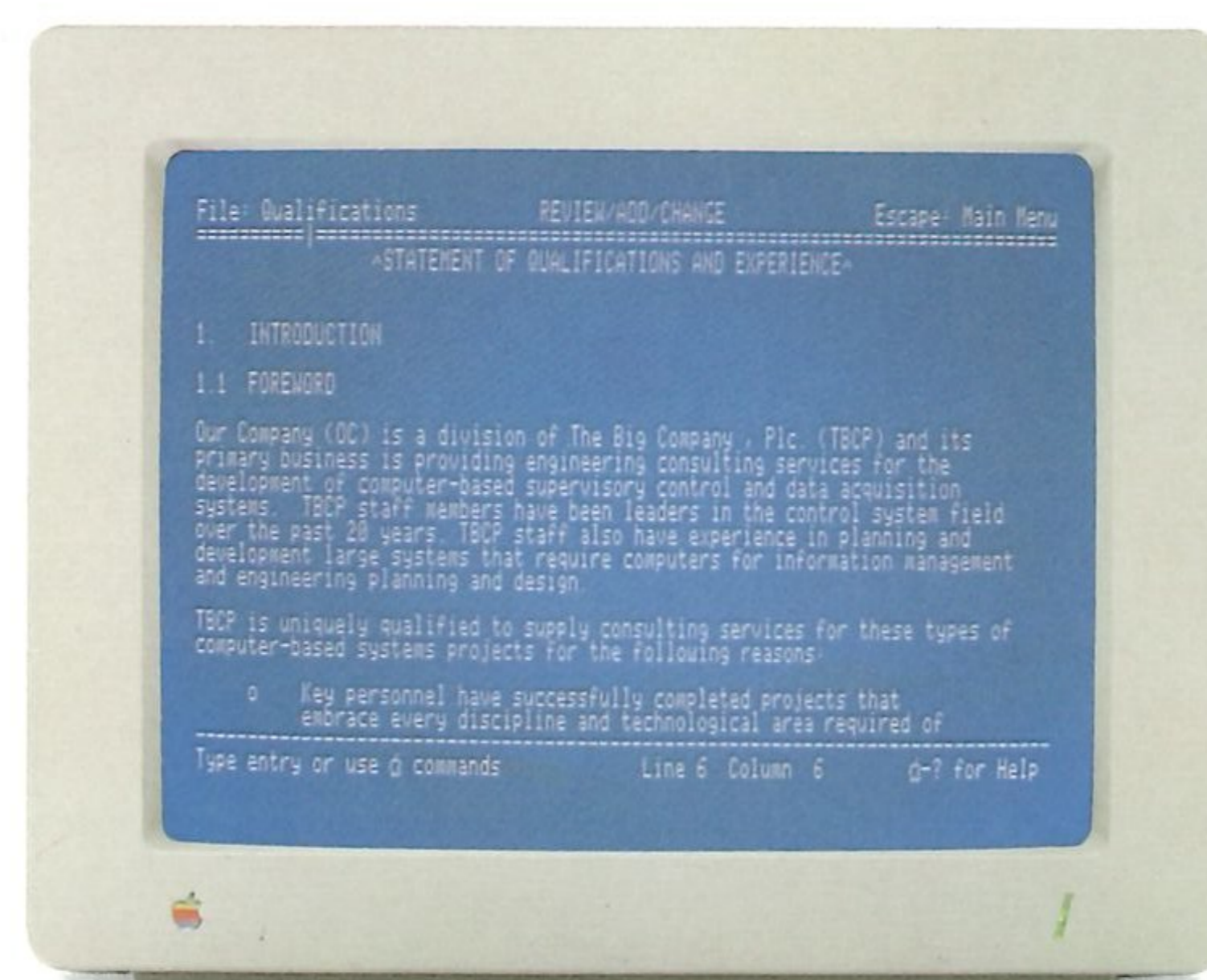
AppleWorks integrates a word processor…   *a spreadsheet…*   *and a database.*

The only thing you can't do with an AppleIIGS is outgrow it.

The Apple IIGS is a state-of-the-art computer from any perspective. But it truly shows foresight when you turn it around.

Eight ports – for everything from printers to modems, disk drives to sound amplifiers – invite you to design a system that meets your needs. Just by plugging in a few cords.

Inside, you'll find eight expansion slots to make it even more clever, faster and versatile. Just by plugging in a few cards.

The Apple IIGS family includes accessories you can mix, match, add or subtract as your needs grow or change. For instance:

RGB Colour Monitor
The ultimate graphics tool. Our new 12-inch colour monitor produces flicker-free images with the richest of colours. Its 640 by 200 resolution shows off 4096 colours as you have never seen them before.

Monochrome Monitor
This high resolution black and white screen has a non-glare finish and produces sharp images that are easy on the eyes. And its price is easy on your budget.

ImageWriter™ II
A workhorse of a dot matrix printer, it can print in three speeds for draft, medium or near letter quality text. It also prints graphics – in full colour. What's more, the ImageWriter II has an optional, detachable sheet feeder to let you use either continuous paper or a stack of your own letterhead.

LaserWriter™
The printer that turned professional publishing on its ear, and spawned a new industry called DeskTop Publishing. Quiet as a whisper, it prints entire pages at a time. And its ability to produce remarkably crisp, clean, black and white graphics, along with near typeset quality text, makes it ideal for preparing important documents, newsletters, advertisements and camera-ready artwork.

Networking
Every Apple IIGS has AppleTalk™ network features built in. Peripherals like the LaserWriter can therefore be shared among as many as 31 computers, as easily as plugging in the cables.

Apple Drive 3.5
The rising power in the floppy disk world. Although physically much smaller than 5.25 inch disks, they store about five times more information. Each 800-kilobyte disk is permanently encased in a hard protective shell which makes it convenient to carry in your pocket.

Apple Drive 5.25
The standard floppy disk drive format for three generations of Apple II's and thousands of programs.
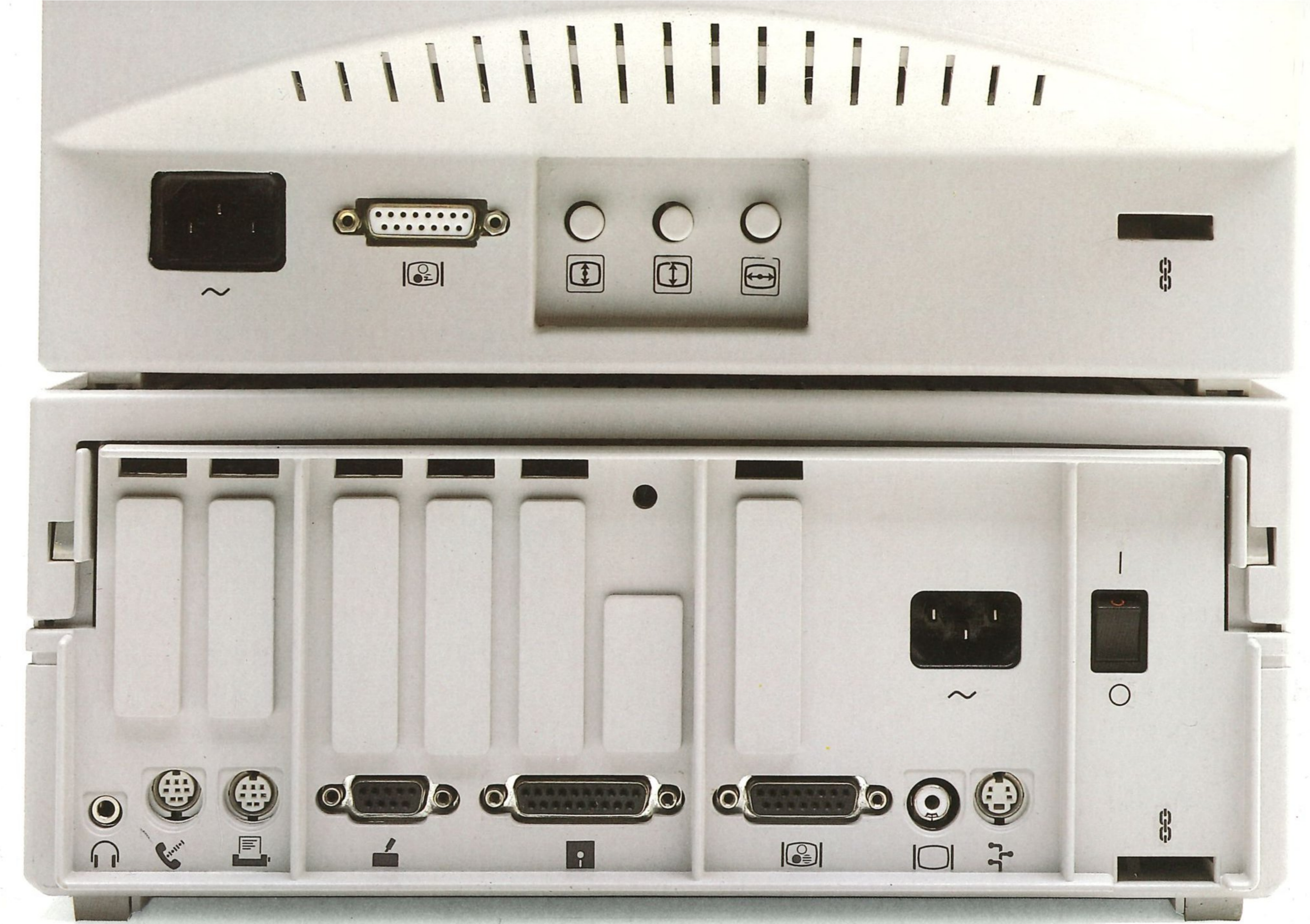
Hard Disk 20SC™
Our new, high speed 20-megabyte disk drive that holds the equivalent of 10,000 pages of information. Plus, it is up to six times faster than a floppy disk drive. And because it connects via the Small Computer Systems Interface (SCSI), none of that speed is wasted.

SCSI Interface Card
Just plug this into one of the slots to give you access to the new Interface standard for peripherals now and into the future. In addition to existing devices like the Hard Disk 20SC, there are innovations coming off the drawing boards, like laser-encoded peripherals which can store an encyclopaedia's worth of information on a single disk.

Memory Expansion Card
Without the card, you already have 256K of memory to work with. By simply plugging in the memory expansion card you add a whole extra megabyte of memory. And that's just for now.
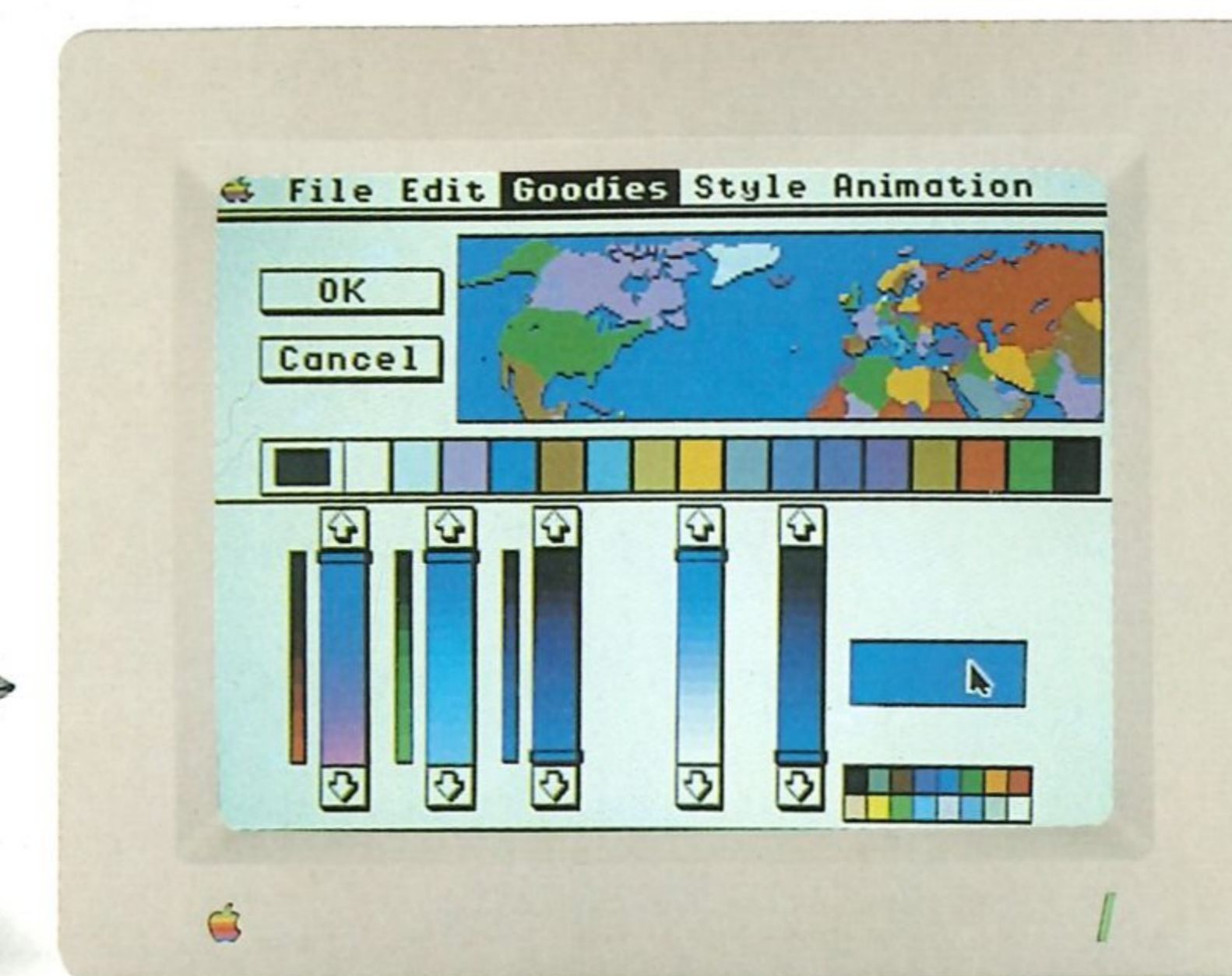
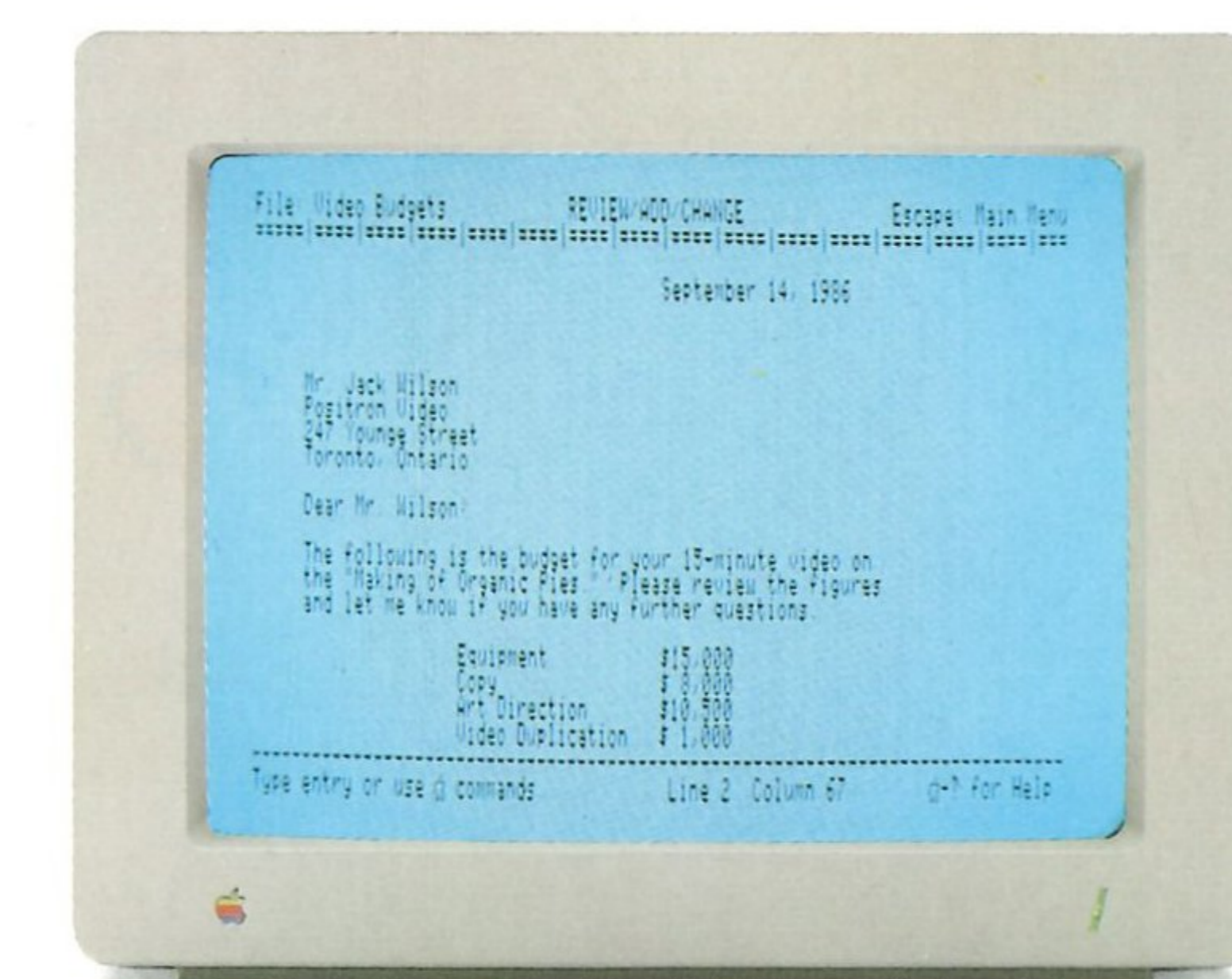*HD20SC 20 Megabyte Hard Disk Drive*

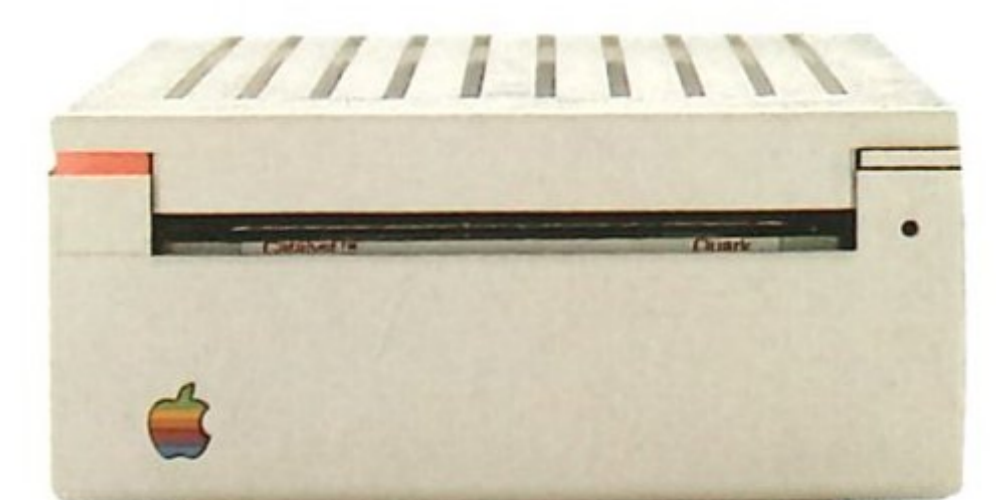*1 Megabyte RAM Expansion Card*

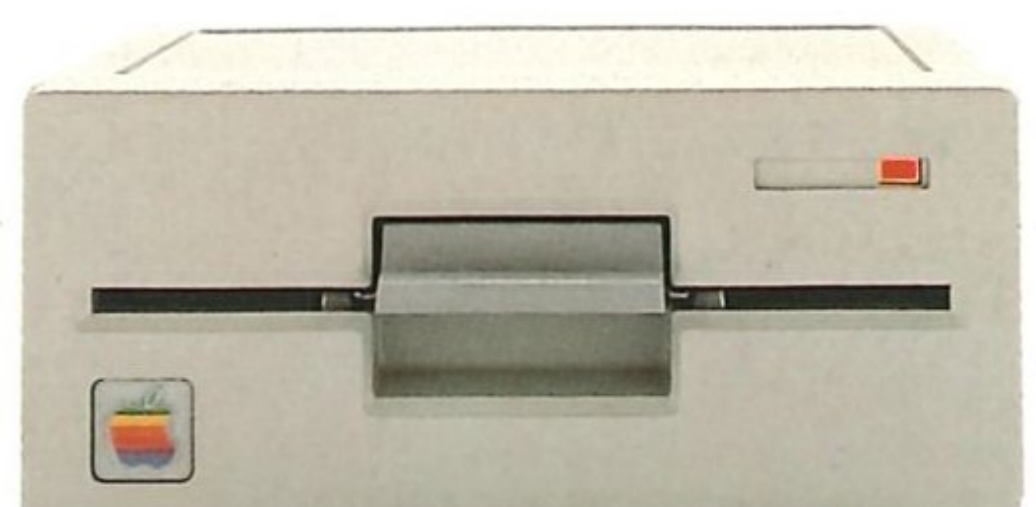*ImageWriter II Printer*

LaserWriter Printer

RGB Colour Monitor

Monochrome Monitor

Apple Drive 3.5

Apple Drive 5.25

Hire an experienced business partner.

Whatever business you're in, an Apple IIGS can help you out.

That's because there has never been a more flexible, or more popular, computer family than the Apple II.

From the existing business software library comes a huge selection of packages, including the integrated three-in-one power of AppleWorks II.

In addition, the arrival of a brand new generation of software enables the Apple IIGS to show off its features to the very best advantage.

Accounting software, including integrated ledgers and stock control. High performance spreadsheet programs. Flexible word processing programs. Powerful database packages. Business graphics and presentation programs.

And other, more specialised software. Like programs to compose layouts of text and graphics information for your newsletter, mailing campaign, menu or manual.

Handling these programs could not be easier. Simply roll the mouse on your desk, and it moves a pointer on the screen. Even if you have never used a personal computer before, the Apple IIGS screen is familiar territory. Documents and programs are represented by small pictures – called "icons" – that you will have no trouble recognising. There are file folders, sheets of paper, even a wastepaper basket.

Point to the icon you want, and click the mouse button. Instantly, you are activating a program, copying a file, opening a folder, reviewing the documents inside.

All this is without having to memorise a single command. Just point to any of the headings at the top of the screen, and a "pull-down menu" unrolls before you, listing all of your options in plain English. Move the pointer to your selection, click the mouse, and you're away.

Mouse in hand, your work flows logically, smoothly, almost intuitively, from business task to business task, so that you will spend less time learning commands and more time being productive.
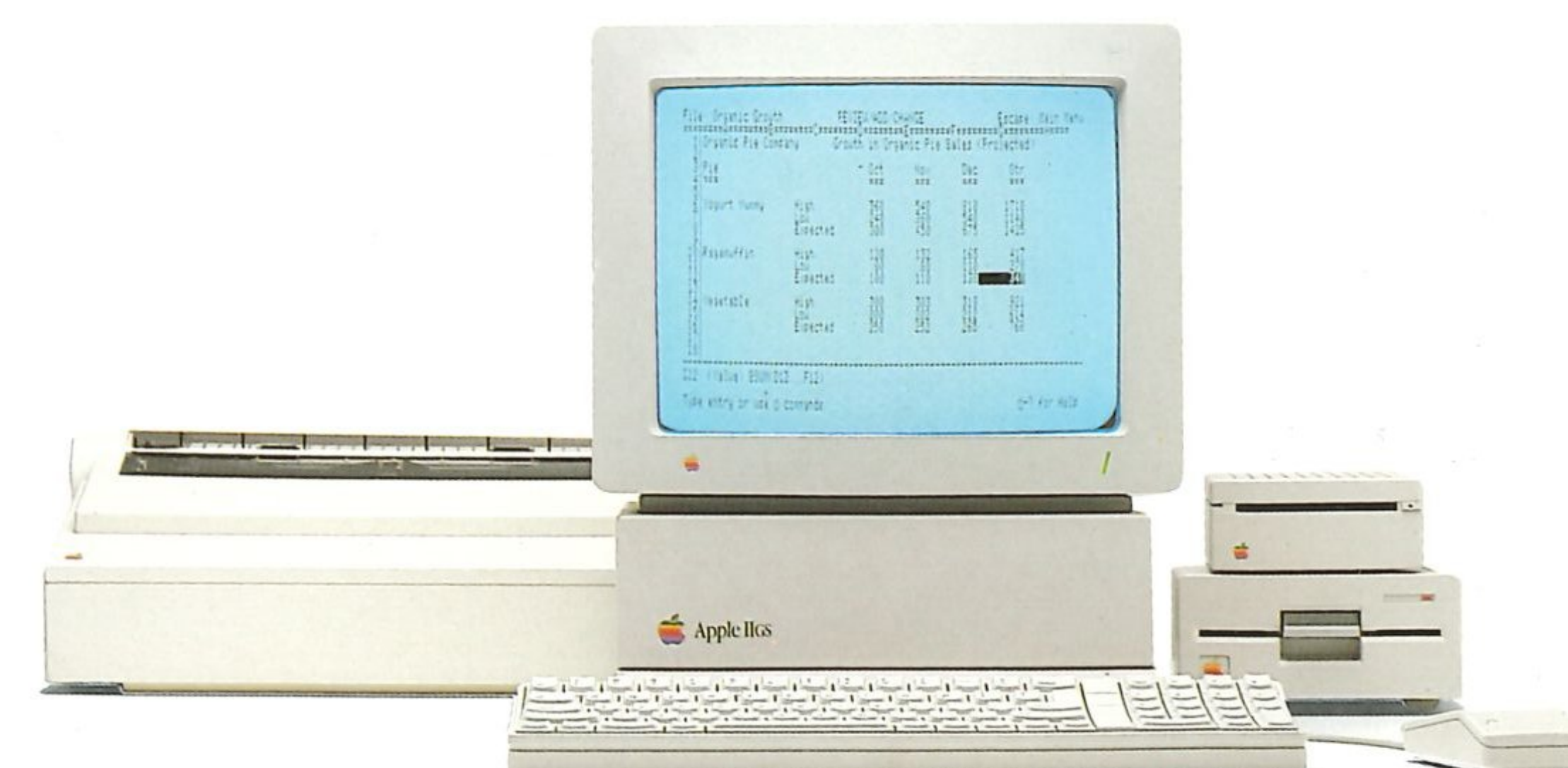
Apple IIGS, Monochrome Monitor, ImageWriter II Printer, one Apple Drive 3.5 and one Apple Drive 5.25.
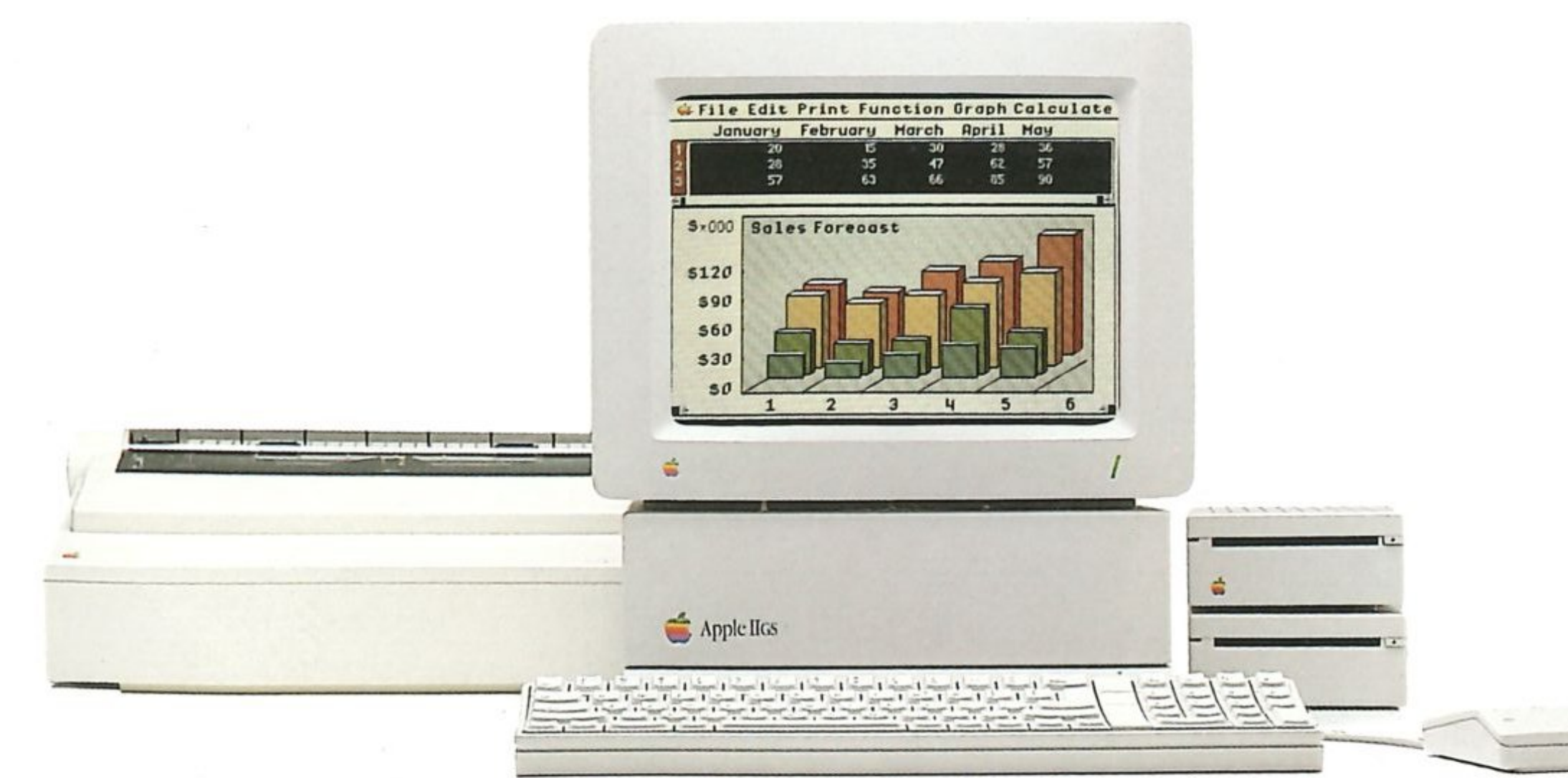
Apple IIGS, RGB Colour Monitor, ImageWriter II Printer, and two Apple Drives 3.5.

Apple IIGS, RGB Colour Monitor, ImageWriter II Printer with Sheetfeeder, one HD20SC 20 Megabyte Hard Disk Drive and one Apple Drive 3.5.

From productivity to creativity.

Education

It is no secret that, even before the IIGS was born, the Apple II family is the most popular computer in schools throughout the world. So just imagine what kind of educational tool has now been created with the powerful new features of the Apple IIGS, especially its graphics and sound capabilities.

Vivid colours to stimulate the inquisitive eye, and music that can be both heard and seen. Processing power that the sharpest young mind won't grow out of.

In order to stretch the budget, the students can all share the same printer by using the AppleTalk network.

One other feature which is built into every Apple II is the ability to take knocks; the reliability of the Apple II family is borne out by the continuing active use in schools worldwide almost ten years after initial installation.

Sound

The Apple IIGS offers extraordinarily advanced sound capabilities for the serious music student, music studios, composers, and any advertising agency or other business wishing to present information which is not restricted to the visual image. Or imagine being able to produce combined visual and sound sales presentations or demonstrations in point-of-sale areas.

Every Apple IIGS has a built-in synthesizer with 32 oscillators and its own, dedicated 64K of RAM quite separate from the computer's main memory. Digitized sound can be stored on standard floppy disks and played through the small built-in speaker, or, via the headphone socket, to external amplifiers and speakers.

Alternatively, programs are available which allow you to create synthesized sound, like the rich tone of a saxophone or an electric piano. Either way, the Apple IIGS is just packed with sound ideas.

Painting, Drawing and Animation

Built into each Apple IIGS is a set of instructions called Quickdraw II, which helps you to create shapes quickly and accurately, in glowing colour.

Although fun to do, there is a serious side. Accurate technical drawings can be designed, scaled and annotated with ease.

Linked with word processing programs and page layout software, the computer offers capabilities which are only limited by your imagination.

Some software enables you to take your images a step further by animating them with surprising smoothness and clarity. Combine them with sound and you have an entire studio on your desk.
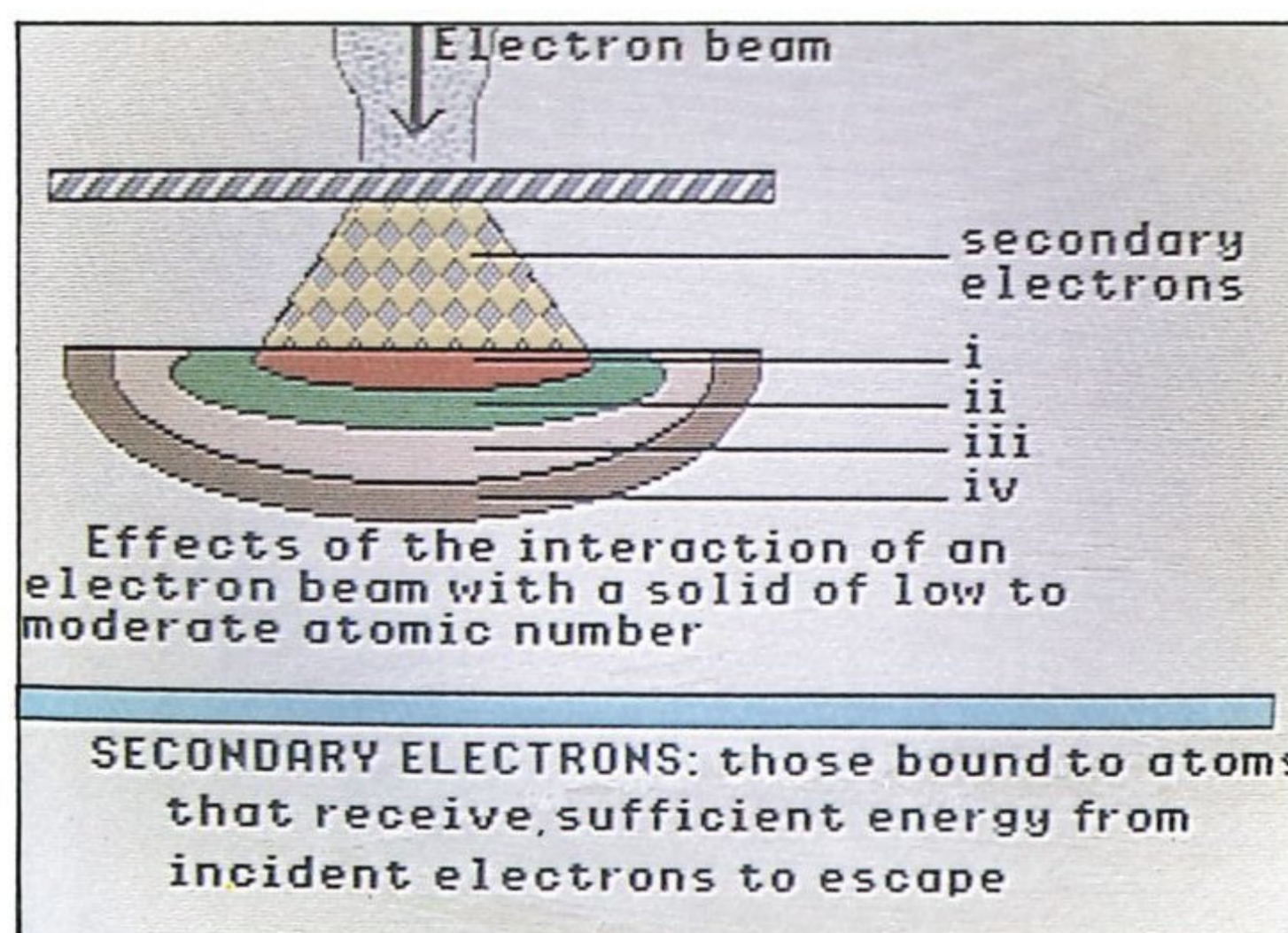
For education there are vivid colours to stimulate the eye.
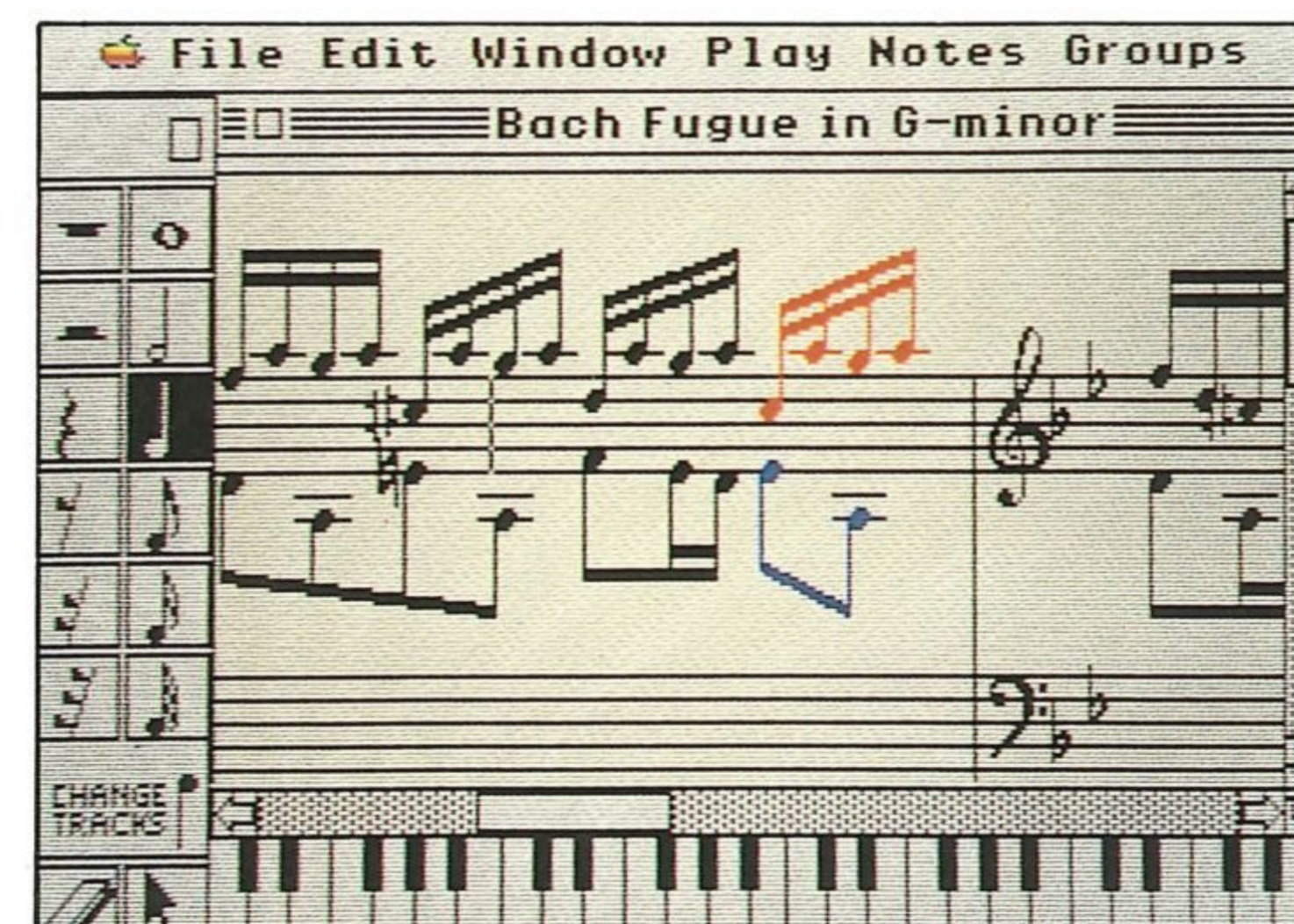
Music composition, arrangement and synthesis.
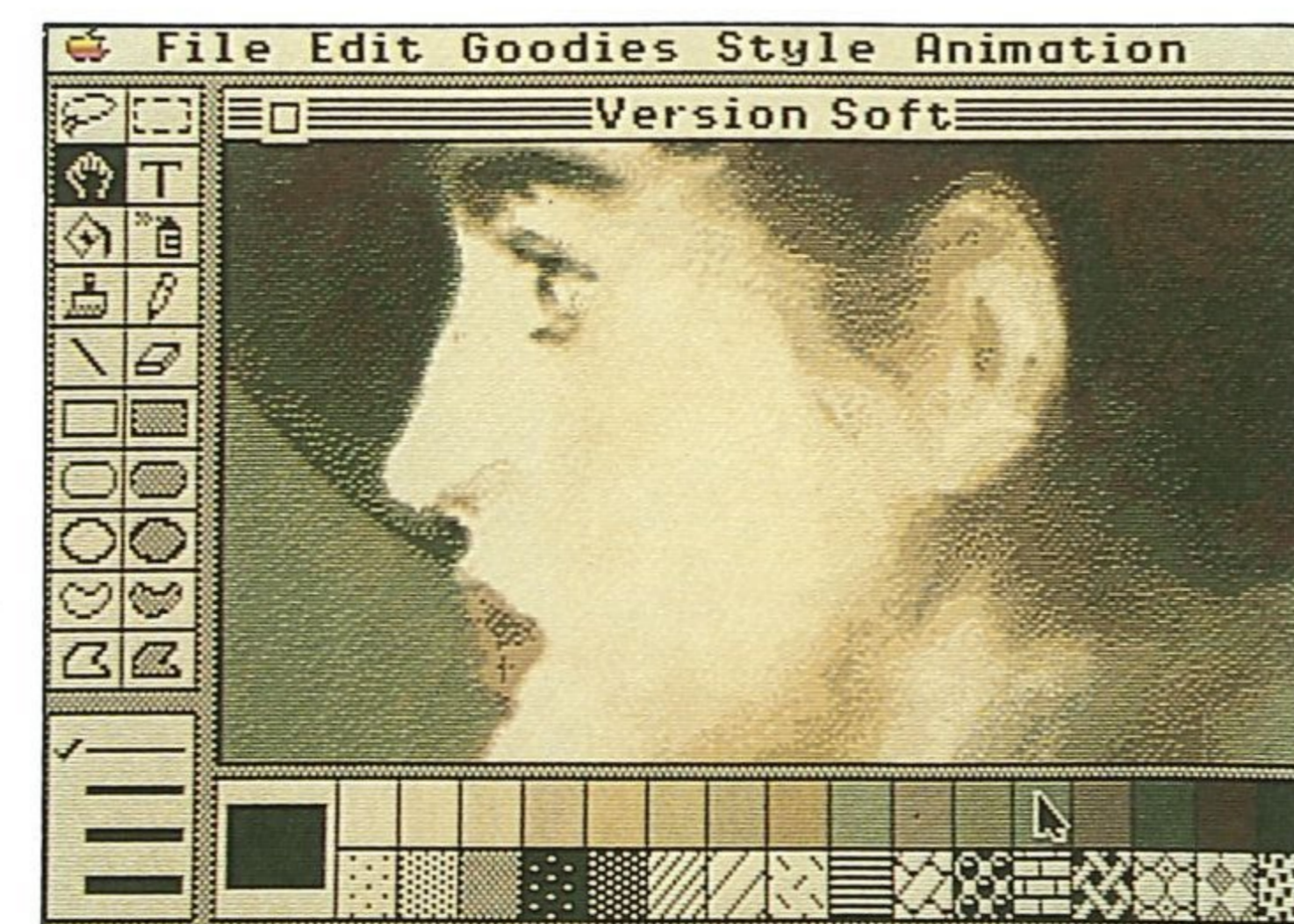
A palette of 4,096 colours.
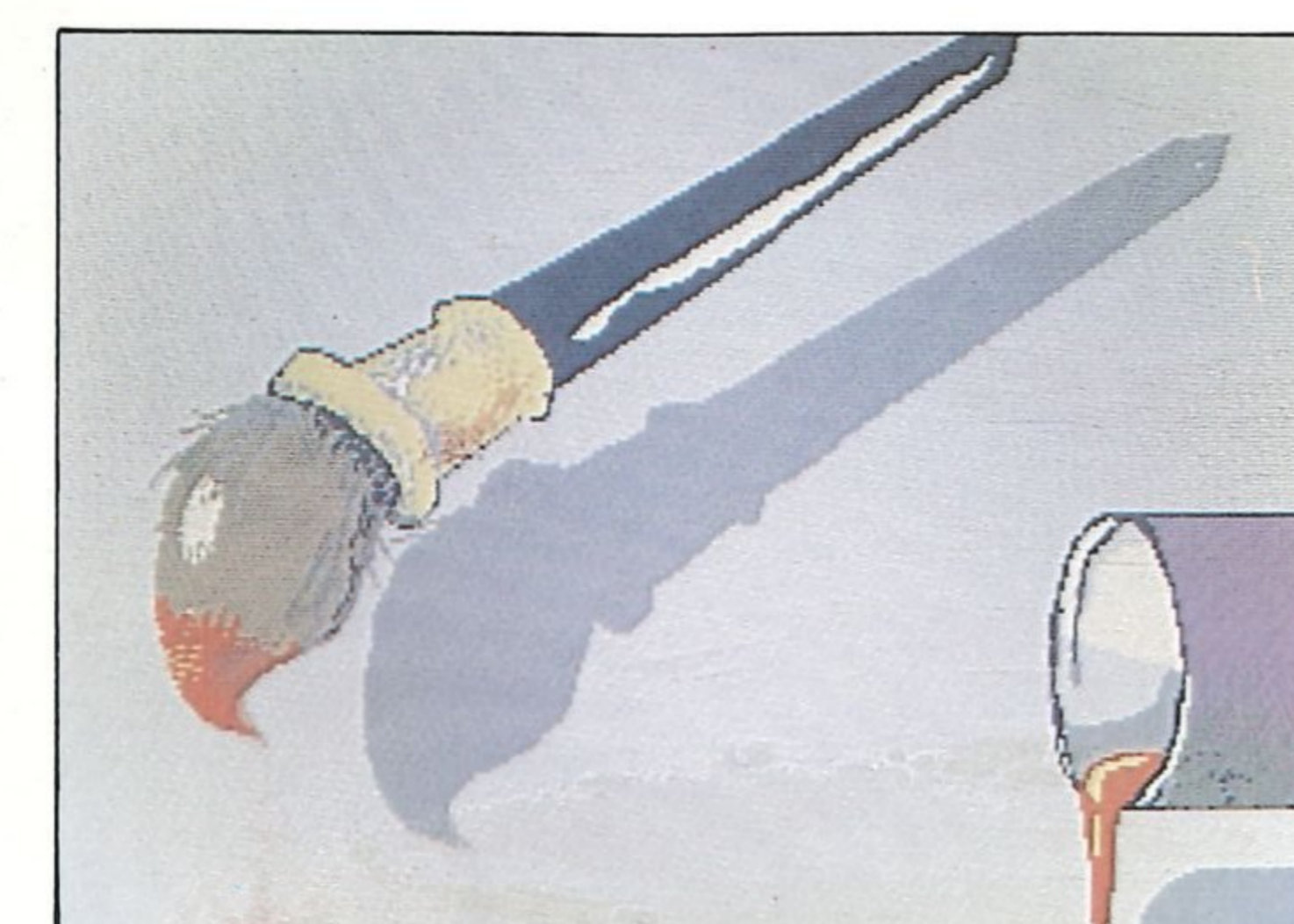
Animated colour graphics.

Apple.
The power to succeed.

Fortunately, getting an Apple II GS is as easy as using one. If you qualify, an Apple Credit Card can get you an Apple II GS the very same day you apply. Written details are available upon request. Apple Computer are licensed credit brokers.

Or if you want to conserve your working capital then you have the option of leasing with Apple Rent, a finance programme operated by Lloyds Bowmaker offering price stability and an easy upgrade path.

Now that the world's favourite personal computer is one of the world's most powerful, it only seems right that its performance should be guaranteed for as long as you want it to be.

Introducing AppleCare, a new industry standard in customer service and support. It's a way of ensuring peace of mind by extending the 12 month warranty for year after year.

There are more than 175 authorised Apple dealers around the country who will be willing to give you full details of the above programmes and show you exactly how powerful the Apple II GS is.

The Apple II GS ; the strength of the past, the power of the future.

Apple Computer

Apple™ IIGS™

The powerful new generation Apple II

The Apple IIGS™ personal computer takes the Apple II family to a new level of remarkable performance and expandability.

The video and audio abilities are nothing short of amazing, with its high resolution graphics, over four thousand colours, and 15-voice sound generator which can produce natural-sounding music and speech.

Using an advanced 16-bit micro-processor, the Apple IIGS runs most existing Apple IIe™ and IIc™ software almost three times faster; when using new software it can take advantage of the mouse/pull down menu/window style of the Macintosh™ for maximum ease of use and consistency between applications. Its huge memory potential and fast speed give outstanding performance.

With all the expandability of the Apple IIe and the simple-to plug-in approach of the IIc, it has the best of all possible combinations. And with a heritage of three million Apple II's behind it combined with the most advanced technology, the Apple IIGS offers the strength of the past with the power of the future.

Benefits

The Apple IIGS...
• runs thousands of Apple IIe and IIc programs - 2.8 times faster.
• runs new software that uses the mouse (included), and other Macintosh features for speed, ease and productivity increases.
• includes 256 kilobytes (K)of user memory (RAM), expandable to over 8 megabytes (Mb).
• has 128K of read-only memory (ROM) expandable to 1Mb.
• provides 7 general purpose expansion slots for peripherals, plus a dedicated RAM/ROM slot.
• provides access to the AppleTalk™ Personal Network without an interface card.
• has 2 built-in serial ports for easy connection to a printer, modem, AppleTalk or other serial device.
• lets you connect as many as four
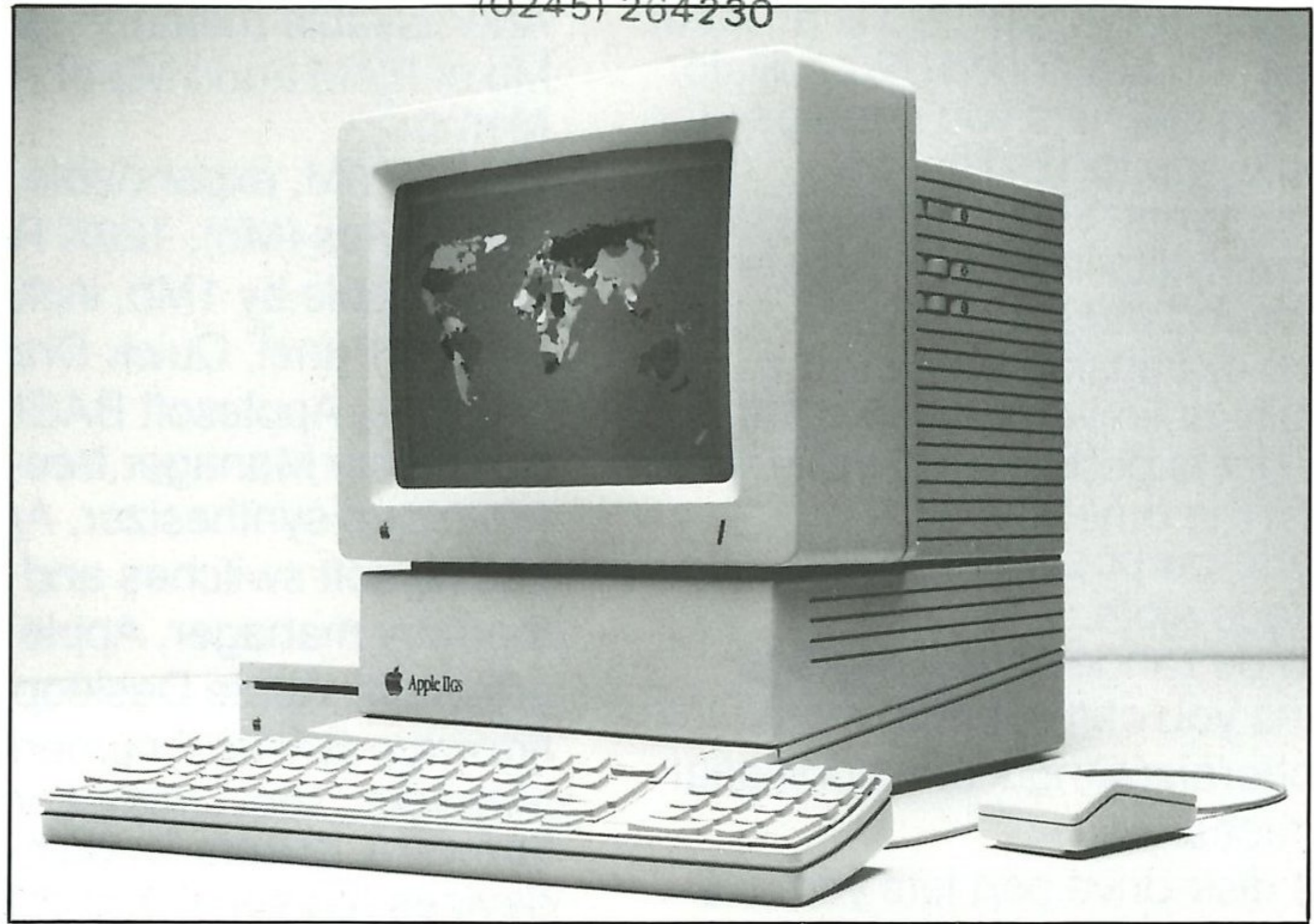
3.5 inch and 5.25 inch disk drives.
• features a palette of 4,096 colours, with as many as 256 on the screen at once.
• produces crisp 80-column text and vivid, vibrant colours with the Apple RGB Colour Monitor, and no adaptor card is needed.
• uses the Apple DeskTop Bus™ standard for easy connection of up to 16 input devices (eg mouse, keyboards, graphics tablet).
• generates up to 15 separate audio channels or voices simultaneously, for realistic music, speech or sound effects.
• is compatible with most Apple II peripherals.
• includes a battery-backed up clock for continuous time and date measurement even when the power is switched off.
• handles eight international character sets and features a detached keyboard with 14-key numeric pad.
• includes an easily accessible Control Panel for setting screen colours, feel of the keyboard etc.

Apple IIGS - a closer look

Its 16-bit 65C816 processor is compatible with the 65C02 used in the Apple IIc and enhanced Apple IIe, so most of the thousands of existing Apple II applications will run on it without modification. Furthermore, since the 65C816 has a clock speed of 2.8 instead of 1 megahertz, these programs will run up to 2.8 times faster on the IIGS.

This new processor, combined with the computer's 256K of built-in RAM and memory expansion capability, let the Apple IIGS run more sophisticated applications, including ones with a Macintosh style of user interface. And you can work with much larger files, such as extensive text documents, spreadsheets, and data bases. ROM memory in the Apple IIGS has also been enhanced. It contains an extensive Control Panel, as well as QuickDraw II graphics routines, Applesoft BASIC, and numerous other items. And just like its RAM, the ROM of the Apple IIGS is expandable via the memory expansion slot - up to a full 1Mb.

The Control Panel lets you change the screen colours (text, background and border), keyboard layout, displayed character set, speaker volume, system speed, key-repeat speed and delay, and so on.

The processor also enables the IIGS to handle complex graphics and sound. It offers two new super-high-resolution modes designed to work with the vibrant Apple RGB Colour Monitor. You can choose from 4,096 different colours to create rich, highly detailed graphics for business, education or home. The RGB monitor also allows the IIGS to display 80-column coloured text with the same crisp resolution usually possible only in monochrome.

If high-quality sound is as important to you as high-quality

graphics, the Apple IIGS is an ideal choice. An advanced 32-oscillator Ensoniq chip lets you compose for and play up to 15 different "instruments" simultaneously, for extremely life like music, speech, and sound effects.

The 8 expansion slots offer a virtually unlimited growth path. One slot is dedicated to RAM/ ROM cards; the other 7 are general-purpose peripheral-interface slots.

Its wide range of built-in ports means you can connect most peripherals without any additional interfaces.

The disk-drive port lets you use the new 800K Apple 3.5 Drive and 143K 5.25 Drive. Both complement the platinum coloured Apple IIGS. Use them individually, in combination, or with your Uni-Disk™ 3.5 drives; you can daisy-chain up to four drives from the drive port. And with the Apple SCSI Card, the Apple IIGS works with the 20Mb Apple Hard Disk 20SC for higher performance.

AppleTalk Personal Network capability is built in, so you will be able to print your files in publication quality on an Apple Laser-Writer printer, or to access a remote Apple ImageWriter™ II.

The keyboard of the IIGS is detached for maximum flexibility. It contains two Apple DeskTop Bus (ADB) ports; one for connecting to the computer, and the second for adding other ADB devices like the mouse on either side of the keyboard, for use with either hand. Up to 16 devices can be on-line.

Technical Specifications

Central Processing Unit (CPU)
Microprocessor: 65C816
Clock speed: 2.8 or 1.0 megahertz; user- or software-selectable.
Address bus: 24 bits.
Data bus: 8 bits.
Address range: 16,777,216 bytes.
16-bit registers: accumulator, two index registers, direct register, stack pointer, program counter.
8-bit registers: data bank, program bank, and status.

Addressable memory up to 8.25 Mb of RAM and 1Mb of ROM.
Memory
256K RAM, expandable by 8 megabytes (Mb). 128K ROM, expandable by 1Mb, includes: Control Panel, Quick-Draw II graphics, Applesoft BASIC, Desk Accessory Manager,free- form waveform synthesizer, Apple IIe and IIc soft switches and code, memory manager, AppleTalk protocols, Apple Desktop Bus firmware,SANE™ numerics, Event Manager, Tool Locator, video firmware, drivers for built-in devices (eg serial and disk drive ports), extensions to system monitor for 65C816 support, diagnostic routines.
Display Modes
Graphics:Super-high-resolution: 320 dots horizontally by 200 , 16 colours / line max., 256 colours/ screen from 4096 colour palette. 640 by 200, in 4 or more colours / line and 128 colours / screen from 4,096 colour palette.
Double-high-resolution (560 by 192 ; 16 colours)
Double-low resolution (80 by 48 ; 16 colours)
High resolution (280 by 192 ; 6 colours)
Low-resolution (40 by 48 ; 16 colours)
Text: 40-column text mode (40 columns by 24 lines)
80 column text mode (80 by 24)
Character sets
32 uppercase / lowercase letters, 32 special and 32 Mouse- Text characters,12 unique characters for each international set: U.K., U.S., French, Danish, Spanish, Italian, German, Swedish.
Keyboard
Standard typewriter style:
80 keys plus 14-key numeric keypad.
2 Apple Desktop Bus connectors.
Keyboard layouts: QWERTY (Sholes), Dvorak, 9 international (as above, plus French Canadian)
Interfaces
Expansion slots:1 multipurpose RAM/ROM memory expansion slot, 7 general-purpose input/ output slots for peripheral cards, all fully buffered, with interrupt and DMA priority.   Serial ports: two 8-

pin mini-circular connectors; either one can be used for AppleTalk; utilize SCC communication chip.

Disk Drive port: one 19-pin D-style connector; allows daisy-chain of up to four Apple 3.5, Apple 5.25, and Unidisk 3.5 drives.

Video output: Analog RGB, via 15-pin D-style connector.

Composite via RCA photo connector.

Apple Desktop Bus port: one 4-pin mini-circular connector on back of computer; two on keyboard.
Game I/O: 9-pin D-style connector for joystick, graphics tablet, etc.
Audio: RCA mini headphone/ speaker output jack with programmable volume control.
Input/output connector on main logic board.
Sound capability
Ensoniq 32-oscillator digital synthesizer chip with dedicated 64K RAM, produces up to 15 voices simultaneously. Uses internal speaker, or external speaker or headphones via audio output jack (volume is controllable)
Operating systems
ProDOS 8 and ProDOS 16, DOS 3.3, Pascal,CP/M (with appropriate co-processor card)

Other features
Real-time clock; Battery backup for Control Panel settings and clock.
Electrical
Line voltage: 240V ± 10% volts AC; 50 to 60 hertz. Power consumption: Typical: 11 watts.
Maximum: 60 watts.
Supply voltages: +5 volts (±3%), +12 volts (±6%), -5 volts (±10%), -12 volts (±10%).
Maximum supply currents:
+5 volts (2.5 amps),+12 volts (1.5 amps), -5 volts (250 milliamps), -12 volts (250 milliamps).
Environmental
Ambient operating temp.32° to 113° F (0° to 45° C). Max. temp. on power supply case: 130° F (55° C).
Relative humidity: 5% to 85%
Physical (main unit)
Width: 11.2 in. (284 mm), Depth: 13.7 in. (348 mm), Height: 4.6 in. (117 mm), Wt: 8.72 lbs. (3.96 kg).

Apple™ IIe™

Apple IIe™ 64K Computer (with 80 Column & 64K Memory Card)	587.00

Apple IIe Accessories

Apple Modem	295.00
Apple Modem Accessory Kit	45.00
Diskettes (10 x 3.5" Double Sided)	50.00
Diskettes (10 x 5.25" Single Sided)	31.00
DuoDisk™ with Accessory Kit	489.00
Hand Controllers	26.00
ImageWriter 15" Printer	525.00
ImageWriter 15" Printer Cable	38.00
ImageWriter II Printer	445.00
ImageWriter II 32K Print Buffer Card	85.00
ImageWriter II Cable	25.00
ImageWriter II Carry Case	59.00
ImageWriter II Sheet Feeder	195.00
Joystick	45.00
Memory Expansion Card	245.00
Memory Expansion Kit 256K	55.00
Monitor	140.00
Mouse	135.00
Numeric Keypad	97.00
Parallel Card (Universal)	99.00
Super Serial Card	108.00
UniDisk 3.5"™	395.00
UniDisk 3.5 Accessory Kit (incl. MouseDesk)	55.00
UniDisk™ 5.25"	230.00
UniDisk 5.25" with Controller	285.00

Apple IIe Software

Access II	57.00
AppleWorks	175.00
AppleWriter II™	109.00
Logo II™ 128K	75.00
QuickFile™	60.00

Apple™ IIc™

Apple IIc System comprising:

Apple IIc™ 128K Computer with Carry Case Monitor with Stand External Disk Drive AppleWorks™ Mouse with MousePaint™	865.00

Apple IIc Accessories

Additional Power Supply	27.00
Carry Case	27.00
Diskettes (10 x 3.5" Double Sided)	50.00
Diskettes (10 x 5.25" Single Sided)	31.00
External Disk Drive	230.00
Hand Controllers	26.00
ImageWriter 15" Printer	525.00
ImageWriter 15" Printer Cable	38.00
ImageWriter II Printer	445.00
ImageWriter II 32K Print Buffer Card	85.00
ImageWriter II Cable	25.00
ImageWriter II Carry Case	59.00
ImageWriter II Sheet Feeder	195.00
Joystick	45.00
Monitor	140.00
Monitor Stand	27.00
Mouse	70.00
UniDisk 3.5"	395.00

Apple IIc Software

Access II	57.00
AppleWorks	175.00
AppleWriter II	109.00
Logo II 128K	75.00

Apple IIe, Monitor, DuoDisk and ImageWriter 15".

Apple IIc, Monitor, External Disk Drive, Mouse and ImageWriter II with Sheetfeeder

Fortunately, getting Apple products is as easy as using them. If you qualify, an Apple Credit Card can get you Apple products the very same day you apply. Written details are available upon request. Apple Computer are licensed credit brokers.

Or if you want to conserve your working capital then you have the option of leasing with Apple Rent, a finance programme operated by Lloyds Bowmaker offering price stability and an easy upgrade path.

As the performance of Apple products is so high, it only seems right that it should be guaranteed for as long as you want it to be. Therefore, we offer AppleCare, a new industry standard in customer service and support. It's a way of ensuring peace of mind by extending the 12 month warranty for year after year.

There are more than 160 authorised Apple outlets around the country who will be willing to give you full details of the above programmes and show you just how powerful Apple computers are.

Apple Computer suggested Retail Price List.

The power to succeed.

Autumn 1986

Macintosh™ & LaserWriter™

Macintosh Plus 1 Megabyte Computer	2295.00
Macintosh 512K/800 Computer	1895.00
LaserWriter Printer (incl. Toner Cartridge)	4995.00
LaserWriter Plus Printer (incl. Toner Cartridge)	5645.00

Macintosh & LaserWriter Accessories

20 Megabyte Hard Disk (SCSI for Macintosh Plus)	995.00
20 Megabyte Hard Disk (for Macintosh 512K/800)	995.00
800K External Disk Drive	395.00
Apple Modem	295.00
Apple Modem Accessory Kit	45.00
(for Macintosh Plus use with Peripheral Adaptor Cable)	
AppleTalk™ Cable 10 Metres	50.00
AppleTalk Custom Wiring Kit	595.00
AppleTalk to Macintosh 512K/800 or LaserWriter Connector Kit	50.00
AppleTalk to Macintosh Plus Connector Kit	50.00
(also ImageWriter II AppleTalk Connector Kit)	
Diskettes (10 x 3.5" Double Sided)	50.00
ImageWriter™ 15" Printer	525.00
ImageWriter 15" Printer Cable	38.00
(for Macintosh Plus use with Peripheral Adaptor Cable)	
ImageWriter II Printer	445.00
ImageWriter II AppleTalk Card	169.00
ImageWriter II Carry Case	59.00
ImageWriter II Sheet Feeder	195.00
ImageWriter II to Macintosh 512K/800 Cable	25.00
ImageWriter II to Macintosh Plus Cable	25.00
LaserWriter Plus Kit	650.00
LaserWriter Toner Cartridge	99.00
Macintosh Carry Case - Black	69.00
Macintosh Carry Case - Burgundy	69.00
Macintosh Plus Peripheral Adaptor Cable	20.00

Macintosh Software

Apple Accounting™ Nominal Ledger	395.00
Apple Accounting Purchase Ledger	395.00
Apple Accounting Sales Invoicing	395.00
Apple Accounting Sales Ledger	395.00
Apple Accounting Stock Control	395.00
Apple Accounting Suite (Nom. Purch. & Sales Ledger)	995.00
MacDraw™	99.00
MacPaint™	95.00
MacPascal™	99.00
MacProject™	99.00
MacTerminal™	69.00
MacWrite™	95.00
Switcher™	19.95

Apple™ IIGS™

Apple IIGS 256K Computer	795.00

Apple IIGS Accessories

20 Megabyte Hard Disk (SCSI)	995.00
Apple Drive 3.5	295.00
Apple Drive 5.25	195.00
Apple Modem	295.00
Apple Modem Accessory Kit	45.00
(use with Peripheral Adaptor Cable)	
Diskettes (10 x 3.5" Double Sided)	50.00
Diskettes (10 x 5.25" Single Sided)	31.00
Fan Kit	50.00
Hand Controllers	26.00
ImageWriter 15" Printer	525.00
ImageWriter 15" Printer Cable	18.00
(use with Peripheral Adaptor Cable)	
ImageWriter II Printer	445.00
ImageWriter II Cable	25.00
ImageWriter II 32K Print Buffer Card	85.00
ImageWriter II Carry Case	59.00
ImageWriter II Sheetfeeder	195.00
Joystick	45.00
Memory Expansion Card (Incl. 256K Memory)	95.00
Memory Expansion Kit 256K	55.00
Monitor (Monochrome)	110.00
Monitor (RGB Colour)	410.00
Parallel Card (Universal)	99.00
Peripheral Adaptor Cable	20.00
SCSI Interface Card	65.00

Apple IIGS Software

Access II	57.00
AppleWorks	175.00
AppleWriter II	109.00
Logo II 128K	75.00

Autumn Business Solutions

Apple DeskTop Publishing System

Macintosh Plus	2295.00
20 Megabyte Hard Disk	995.00
LaserWriter	4995.00
LaserWriter Plus Kit	650.00
PageMaker	450.00
MacWrite	95.00
MacPaint	95.00
MacDraw	99.00
Cricket Graph	175.00
2 x AppleTalk Connectors	100.00
Normal Price	9949.00
System Price	**£8495.00**

Apple DeskTop "Writer" System

Macintosh Plus	2295.00
20 Megabyte Hard Disk	995.00
Microsoft Word	175.00
Normal Price	3465.00
System Price	**£2995.00**

Apple DeskTop "Number Cruncher" System

Macintosh Plus	2295.00
20 Megabyte Hard Disk	995.00
Microsoft Excel	395.00
Normal Price	3685.00
System Price	**£3195.00**

Apple DeskTop "Information" System - Single User

Macintosh Plus	2295.00
20 Megabyte Hard Disk	995.00
Omnis 3 Plus	445.00
Normal Price	3735.00
System Price	**£3195.00**

Apple DeskTop "Information" System - Multi User

3 x Macintosh Plus	6885.00
20 Megabyte Hard Disk	995.00
Omnis 3 Plus Multi User	995.00
3 x AppleTalk Connectors	150.00
Normal Price	9025.00
System Price	**£7495.00**

Apple DeskTop "Manager" System

Macintosh Plus	2295.00
20 Megabyte Hard Disk	995.00
Lotus Jazz	295.00
Component Price	3585.00
System Price	**£3195.00**

Apple IIGS Business Systems

256K Monochrome System

Apple IIGS	795.00
Apple Drive 3.5	295.00
Monitor (Monochrome)	110.00
Normal Price	1200.00
System Price	**£995.00**

512K Colour System

Apple IIGS	795.00
Apple Drive 3.5	295.00
Memory Expansion Card with 256K	95.00
Monitor (RGB Colour)	410.00
Normal Price	1595.00
System Price	**£1395.00**

512K Hard Disk System

Apple IIGS	795.00
Apple Drive 3.5	295.00
Memory Expansion Card with 256K	95.00
Monitor (Monochrome)	110.00
SCSI 20 Megabyte Hard Disk	995.00
SCSI Interface Card	65.00
Normal Price	2355.00
System Price	**£2195.00**

Macintosh Plus, 800K External Drive and ImageWriter II with Sheetfeeder
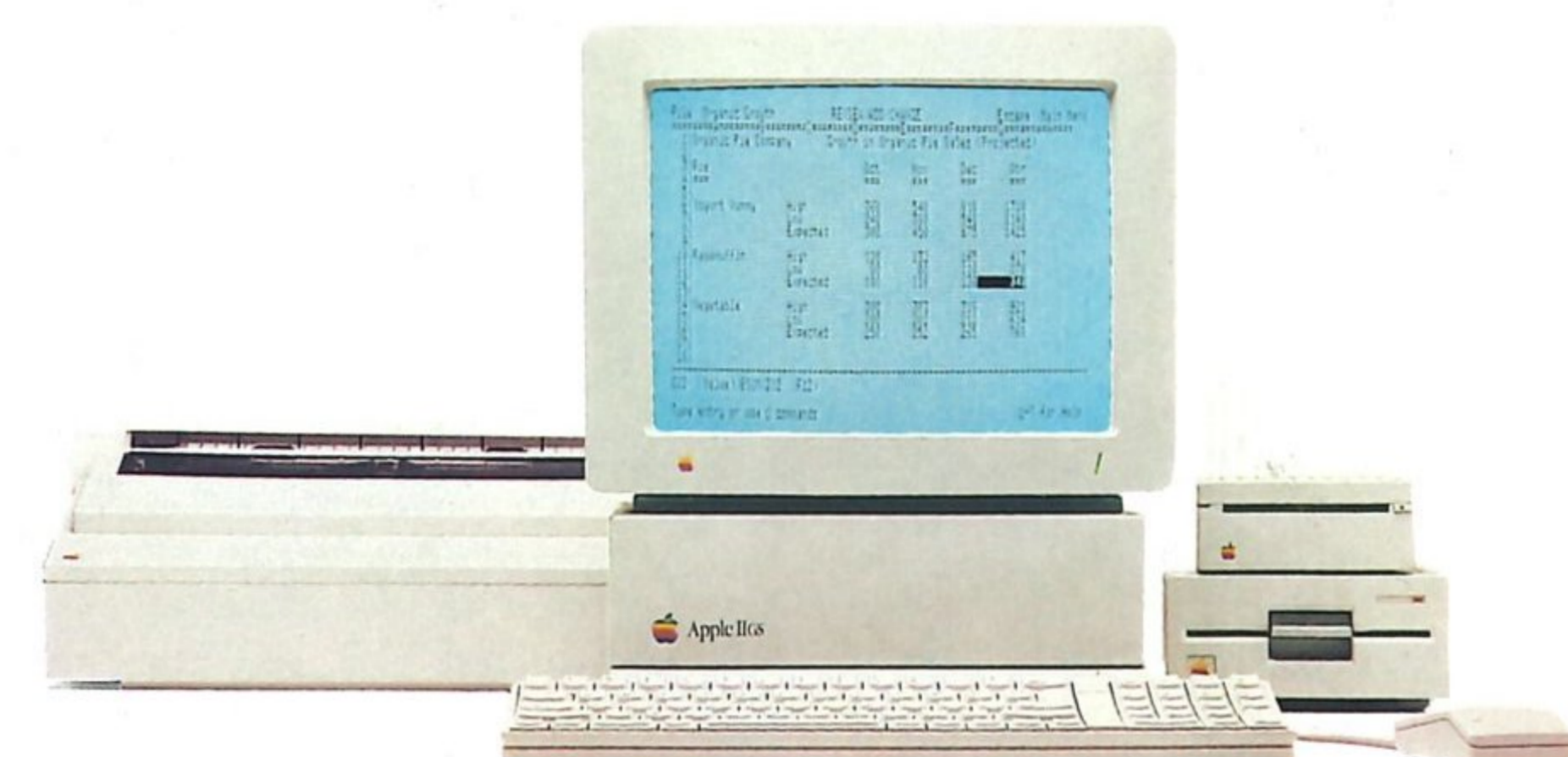
Apple IIGS, Monochrome Monitor, AppleDrive 5.25", AppleDrive 3.5" and ImageWriter II

Apple DeskTop Publishing System (Hardware)

512K Colour System

STREET TALK

The potential scope of sales to existing PC users of the Apple DTP system is estimated at 10,000 systems plus it was reported by a trade magazine.

IBM are losing their grip on the world computer market. Profits for the full year fell by 27% the lowest since 1982. Profit for its fourth quarter fell by 48%.

The British Telecom Qwerty Phone is now available for the Macintosh. It boasts a full handsfree loud speaking telephone with a large personal telephone directory. A modem is built in as well as a call timer, Clock, Calender, Calculator and security feature. Micro Core are now taking orders for this product.

New Versions of Microsoft Word (3.0), Vicom (2.4) and Pagemaker (2.0) will shortly be available for the Macintosh.

Micro Core are now offering bureau services on the following;

> **LaserWriter Printing**
> **Scanning and Digitising for**
> **Macintosh**
> **Colour Printing from Laser**
> **documents**

BOOK YOUR PLACE

If you are going to attend our exhibition either phone or send back the freepost card enclosed. This ensures that you receive VIP attention when you arrive.

(0245) 264230
(0245) 261848

TEST DRIVE A MACINTOSH

Yes you will be dancing if you take advantage of our **FREE LOAN OF A MACINTOSH.**

We are positive that when you try the Mac at home or the office you'll see how incredibly easy to use yet sophisticated it is.

Just come along to the exhibition and we will sort you out a Macintosh together with some test drive software. There is no obligation to purchase. First come first served.

FREE MACINTOSH SOFTWARE

Due the incredible success of the offer of free Public Domain software at our last open day we will be offering some new software at our coming exhibition.
Just bring along a disc and go home and play Snooker, Social Climber .... the list is endless.

memo:
DON'T MISS THE EXHIBITION

Do you want to see the latest in Apple, Amstrad, Bondwell and Atari computers? Well, come along to our exhibition on Thursday February 12th in the Essex Room of the County Hotel between 10.00am and 6.00pm and all will be revealed....

It won't be just computers. The latest scanners, laserprinters and software will be on display including the revolutionary **OMNICRON.** Whats that I hear you shout! Suffice as to say we feel it is a device that will revolutionise in-house desktop **COLOUR** printing. Come along and see the Omnicron in action.

APPLE IIGS

Apple's new baby will be on display in all it's glory. If you haven't seen it, now is the time. To compliment the GS will be an incredible animation programme. Seeing is believing.

We will be taking orders for the IIGS which will be delivered **FROM STOCK**. If you have an Apple IIe already come along and twist our arm to see what part-exchange deal you can get.

GET ON YOUR BIKE

APPLE IIGS NOW IN STOCK

COULD YOU USE A DIGITISING SCANNER ?

We have digitised the above scan from a normal photograph and placed it into Pagemaker for use within this Newsletter. The applications are unlimited.
The scans are not limited to photographs either. Line drawings such as maps, logos, illustrations can all be scanned and placed into documents for use with the Macintosh.
For full details, prices and a demonstration of this amazing piece of equipment come along to the exhibition.
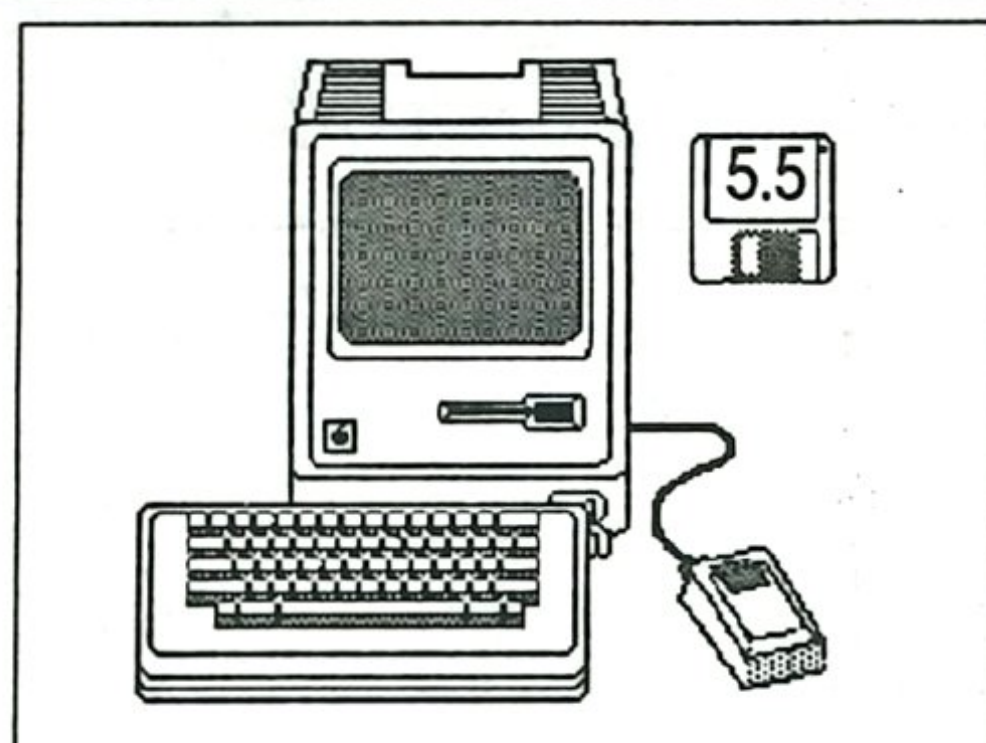
Are you switched on to the latest software versions ? Go to the "About" option on the Apple Menu and see if your version is the red hot latest.

Copy ll Mac	5.5
CricketGraph	1.0
Excel	1.01
Finder (except 128K)	5.3
Fontastic	2.7
Font/DA Mover	3.1
ImageWriter Driver	2.3
Jazz	1A
LaserWriter Driver	2.3
Mac 3D	2.0
MacAuthor	1.2
MacDraft	1.3
MacDraw	1.9
MacPaint	1.5
MacServe	2.1
MacTerminal	2.0
MacWrite	4.5
Micro Planner Plus	5.7
MS Basic	3.0
MS Chart	1.0
MS File	1.02
MS Fortran	2.1
MS Word	3.0
MS Works	1.0
Multiplan	1.1
Omnis 3	3.10
PageMaker	1.2
Switcher	5.0
System (except 128K)	5.0
WriteNow	1.0

One of the Star attractions of AppleWorld was a set of small suitcases !?!? -Yes, the **Dynamac**. A "portable" Flat-Macintosh computer and screen in a suitcase. The *basic model* of the range is a Macintosh Plus with a single 800K floppy and all the Plus ports. It will set you back a cool 4,500 notes. - **But,** the top of the range is reported to be (wait for it !) a 4M Mac with 40M SCSI Hard disc and built in auto-answer Modem. (No, it doesn't make the tea !) and you can put your own figure on that...

The term "portable" is only relative, because our clever little friend still needs to **hack into** the central electricity generating board network, to be able to fire up. -Alas, no battery system yet...

The real KING PIN to the Dynamac is the E.L. (Electro-Luminescent) screen. In the past, the portable computers real weakness lay in it's calculator-type liquid crystal display. Not so with this superb gold, neon-sign type of display.

In every respect, quality is the bottom line with the Dynamac. It is a luxury machine at a luxury price. If anything this system is a bit too sophisticated just to be **carried around..**

Evaluation of SuperPaint

All you potential Leonardo da Vinci's that have spent many a happy hour on MacPaint, will be rather interested in the latest in a long line of Super Graphics/Drawing programs, namely SuperPaint.

This amazing new art package from Silicon Beach software, combines the accuracy and flexability of MacDraw with the artistic ability of MacPaint. -There are five major features that make it's price tag of £99, seem like a printing error.

LaserBits:
This feature allows you to increase a certain area enclosed by the selector, to give you 300 dpi compared to the normal 72 dpi. The section is then the same resolution as the LaserWriter.

Two Layers:
You can flip between the draw mode and the paint mode through the click of a button. You can view each layer singularly or together.

Colour:
Using the colour palette in the draw mode, objects, borders and different fill-textures can be assigned a colour and printed on the ImageWriter with colour Ribbon.

Palettes:
Not just the one choice of palette as in MacPaint but four. Three, with pre-designed textures and one blank. All editable for your own fillings.

Resizing:
A special scaling option is provided so you can resize an object in the Paint or Draw mode to a certain percentage. e.g. 25%, 50%.

IT WILL BE ON DISPLAY AT THE EXHIBITION ON THE 12th. - SO COME ON DOWN..

Microsoft Works The Magical Four in one Program.

Probably, the four most popular types of software application used on a Micro computer are ; Word processing, Database, Spreadsheet and Communications

These four applications are now built into one program, Microsoft Works. This is not just Microsoft's answer to Lotus Jazz, but a very ingenious, off the shelf package for the first time and dedicated Mac user.

The word processor gives you all the features of MacWrite, but Graphics can be placed anywhere on the document, even on top of text with the text showing through. Boxes and lines can also be drawn to highlight sections.

The Database allows you to design your own form with as many fields as you wish. Information is typed in and can be viewed either as the form or in a horizontal-line format. The mail merge facility is quick and easy and organisation of records or the finding of a record is exceptionally simple.

The spreadsheet is no Excel, but it isn't a "micky mouse" job either. With 256 columns by 9999 rows, pre-defined functions and five chart formats it is no slouch..

Finally, the Comms will allow you talk to another computer and have the world at your fingertips.

YES-IT WILL BE THERE ON THE FEBRUARY 12th. -WILL YOU ?