



Apple offers a green phosphor monitor for £140, and is expected to introduce a flat-panel LCD display soon. The LCD screen will be manufactured for Apple by Sharp, and will have a full 24-line by 80-character display. It will probably cost about £500. It is expected that a battery pack for the system will be available soon, and this will enable the Apple IIc to become a fully portable computer.

The greatest advantage the IIc has is its software base. Over 17,000 programs have been written for the Apple II. Although some of these programs are available only in America, you can still be fairly certain that anything you could want to do with an Apple has probably been done already, and appropriate software has been written. The software base includes some of the world's best games programs (CHESS 7.0, ZORK, Microsoft Flight Simulator, Pinball Construction Set); a wide variety of word processors, spreadsheets and database programs; accounting programs; graphics design programs; scientific laboratory control programs and educational programs (from beginners' readers to advanced calculus).

In addition to existing II and IIe software, Apple has introduced a program called Appleworks, an integrated word processor, spreadsheet and database with windowing. Appleworks is quite sophisticated and easy to use. The IIc comes with a disk that introduces you to Appleworks, although it is not a working copy of the program. As is typical with Apple, the company presumes that you will eventually want to buy this £175 package. Other disks provided with the system are a similar introduction to Apple LOGO; Apple Presents Apple, an interactive introduction to the basic system; a very simple introduction to BASIC programming, and the PRODOS systems utilities disk. MousePaint, a mouse-driven drawing program based on MacPaint, is also available. MousePaint is supplied with the Apple II mouse and costs £70.



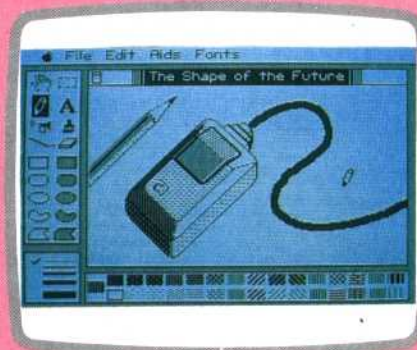
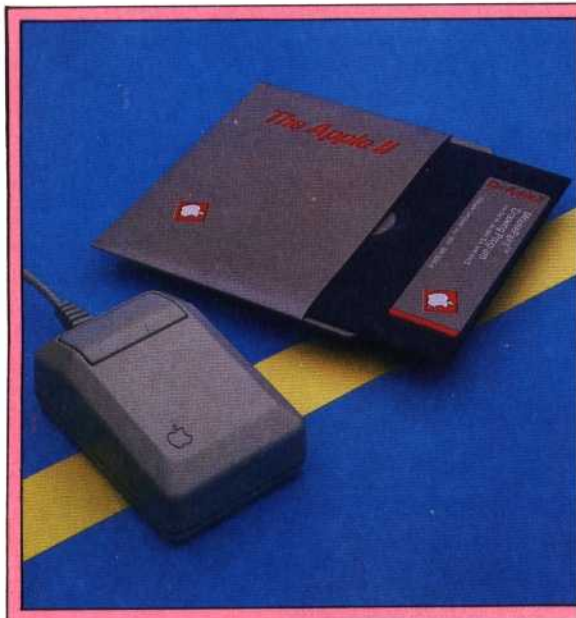
**Apple Disk Pack**

The Apple IIc comes with a disk pack containing five disks. Four of them introduce the workings of the machine, BASIC programming, and optional applications programs that Apple hopes you will buy. The fifth is the system operations disk with PRODOS, Apple's new disk filing system for the Apple II line

The IIc comes with a small pamphlet that describes how to set up the system, and a 142-page owner's guide that briefly and clearly explains system operations and the use of the five disks that come with the computer. The manuals are well-written and colourfully illustrated. They are obviously geared toward the first-time user.

The IIc's design is very attractive and stylish. Apple dropped the beige plastic used on the II, the Macintosh and the Lisa in favour of a bright white finish. The 'racing stripe' lines across the top of the case let air flow through to the circuits to keep the system cool.

The Apple IIc, like its predecessors, is a great desktop machine for the office. With the added LCD screen and battery pack, which are expected soon, it should earn a reputation as a useful, portable workmate. Had the price been right, it could also have been a popular home computer.



**MousePaint**

The Apple II mouse is available for the II+, IIe and IIc models for £70, and comes with MousePaint. MousePaint is based on MacPaint, but it is a scaled-down version of the Macintosh program. It allows you to use the mouse to create pictures very easily, and is written to take advantage of the IIc's high resolution screen display. To use the mouse with other Apple II computers, you must have an extra interface card that plugs into one of the internal expansion slots



**Composite Video Output  
RS232 Printer Port**

**Power Supply**

The IIc has an internal 12-volt power supply, but still requires a transformer box for 240-volt mains input

**RGB Video Output**

By plugging a small PAL adaptor into this port, the IIc can connect to a standard television set

**Input/Output Controllers**

These chips control keyboard operations, and input and output ports

**Audio Socket**

This can connect the IIc to an external hi-fi amplifier

**ROM**

This holds Applesoft BASIC and the housekeeping routines