



Newton 2.0 Debuts At AppleExpo

Visitors to AppleExpo will be the first to see the new Newton 2.0 operating system. Apple has chosen the London show, which takes place between November 8-11, to preview its new OS – the result of more than two years of extensive customer feedback and user testing – and related Newton platform products.

Major features of Newton 2.0 include improved organisational and communications capabilities, as well as the ability to integrate Newton PDAs with Macintosh and Windows personal computers.

Apple Computer UK has announced an aggressive trade-in programme for current Newton customers to upgrade to Newton 2.0. See below for prices.

•For all customer information please call the Assist Customer Hot Line on 0181-730 2048.

Newton Keyboard

The Apple MessagePad 120 with Newton 2.0 OS now supports an external keyboard.

Simply connect the keyboard to the serial port of your MessagePad 120/2.0. At startup, 2.0 looks at the serial port, detects that the keyboard has been connected, and allows any typing on the keyboard to appear at the cursor position within any application that supports it.

This is of great value when entering lots of information, for example, Names, or when replying to eMail. Moving between the fields is simply a matter of pressing Return and the cursor moves to the next field.



PRICING

	RETAIL	ASSIST
Apple MessagePad 120 with Newton 2.0 OS	£424	-
Newton Press	£59	-
Newton Keyboard	£79	-
Upgrade to Newton 2.0 OS for Apple MessagePad 120 customers	£79*	£70*
Upgrade to Newton 2.0 OS for Apple MessagePad 110 customers	£260*	£250*
Upgrade to Newton 2.0 OS for Apple MessagePad 100 customers	£300*	£285*
Upgrade to Apple MessagePad 120 with Newton 2.0 OS for original Apple MessagePad customers	£360*	£340*

*Includes postage and packing

Newton 2.0 OS features overview

Writing and drawing

- Improved cursive recognition and new printed recognition
- Place information in a specified location on the screen using the new cursor
- Use the Corrector option to correct words

Notepad

- Create different types of notes using 'Stationery' such as Note, Checklist, or Outline
- Enter Titles for your notes

Name File

- View Name Cards in several new business card styles
- Quickly beam owner business cards
- Add multiple addresses, phone numbers and email information to a name card
- Add custom fields, sort cards and include scrollable notes

Date Book

- Built-in lists to quickly enter information into meeting slips
- Create repeating To Do tasks and set reminders
- Quickly delete To Do tasks by scrubbing

Extras Drawer

- Screen Rotation
- Quickly delete packages by scrubbing
- New 'Calls' application

Communications

- Ability to receive, as well as send, faxes
- Improved connection to Macintosh & Windows personal computers
- GSM Drivers pre-installed

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Here at the *Stylus* offices, we're all delighted with the improved performance and exciting new features of the Newton 2.0 Operating System. We're sure you will be too – and to help you upgrade as soon as possible we've put together a Trade-In/Upgrade Programme with some very attractive deals for *Amist* members. Full details on p1.

If your membership of *Amist*, Apple Computer's exclusive club for Newton users, has recently expired, now is the time to renew. Full one year membership – which includes subscription to our quarterly *Stylus* magazine, news flash updates, special offers and discounted products, as well as exclusive use of the Newton Order Line and the Preferential Help Line, costs just £35 (plus VAT).

And from 1st November 1995, we'll even send you a free gift (while stocks last). You can choose from a range of accessories including cases, battery chargers and the Fax Modem. This offer is also open to any new Apple MessagePad owners wishing to join *Amist* for the first time. Call the Newton Order Line on 0181 730 2048 with details of your VISA, SWITCH, AMEX or MASTERCARD.

1995 has been an exciting year for Newton owners. And it's not over yet! We've got lots of good news and even more great new products to tell you about in the coming months. Keep reading *Stylus*!

Roy Bedlow
Amist Club Director

Amist

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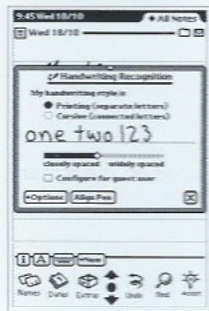
What's new with text and recognition?

The Newton 2.0 Operating System gives users a choice of handwriting recognition styles: a new **Printed** or separated letter recognition to complement or replace the original as well as improved **Cursive** or connected letter recognition.

The new **Printed** recognition recognises written words letter by letter, allowing not only words contained in the Newton's built-in dictionary or user dictionaries to be recognised, such as 'Meeting', but also complex entries such as post codes and references like 'Ref. 1/TBH/2.9' which previously had to be entered using the on-screen keyboard.

To use **Printed** recognition, words have to be written using separated and not joined or overlapping letters, so 'Meeting' has to be written as 'Meeting' and 'Ref. 1/TBH/2.9' as 'Ref. 1/TBH/2.9'. A small price to pay for greatly enhanced recognition.

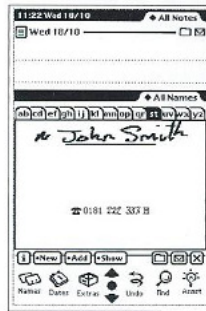
On the rare occasion that a letter is not distinct and the system gets it wrong, the outcome is not as dramatic as it can be with **Cursive** recognition; now only the odd letter may be wrong and not the whole word, still allowing the word to be read in the same way that you would read a mis-typed word.



Selecting and setting handwriting styles

To correct it you can either write over the offending letter or use the new **Corrector**, which allows you to change each letter by writing in boxes.

Ink Text



Ink Text can be used instead of recognised text even in places like the Names File

Often, recognition is not required and Notes can be kept as Ink Text. In 2.0 this feature has been improved to act more like recognised text.

The new Ink Text treats each word you write as a separate word object which acts in the same way as recognised text. Words can be moved around

within sentences and the sentence will also rewrap as required to form lines and paragraphs.

There is also a Preference option that lets you shrink Ink Text words so that they fit better onto a line and look more like recognised words.

Ink Text can also be used where previously only recognised words were allowed, such as in the Names cards. If you wish to use Find, though, you will have to use recognition or deferred recognition on these words.

New Notes Features

As well as the original plain Note format, two new formats have been added, Checklist and Outline. Now, when you select New Button to create a new Note, you choose which type of Note you require.

Both new types of stationery allow collapsible lists to be made to which recognised or Ink Text can be added. In

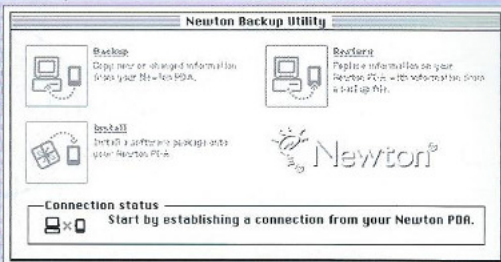
Checklist a tick can be added when an item is completed.



Use the New Button to create Notes with the stationery you wish to use

Newton Backup Utility

Ships free with Apple MP 120/2.0 OS (includes cables)



With Newton Backup Utility, you can connect your MessagePad or other Newton PDA to your personal computer and do the following:

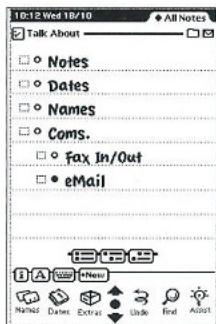
- Back up Newton information and store it on your personal computer
- Install packages (applications, system updates, and so on)
- Restore backed-up information to your Newton PDA

Newton Backup Utility works with the Newton 2.0 Operating System. You can also use the utility to transfer information from a Newton PDA that uses an earlier version of the operating system to your Newton with 2.0. However, unless you are upgrading to 2.0, you should continue to use Newton Connection Kit 2.0 to backup a Newton using an older version of the OS.

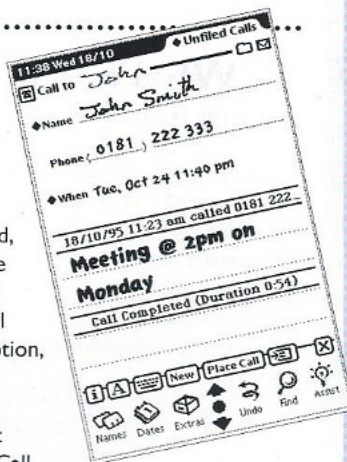
Newton Press

Developers can also create Newton Packages which add new, custom, types of stationery to the Notes Application. Watch out for a variety of formats such as Order Pads and Project Planning pages from third parties.

A new font, Casual, has been added to the Newton. It looks like hand-written text but has the functionality of typed text.

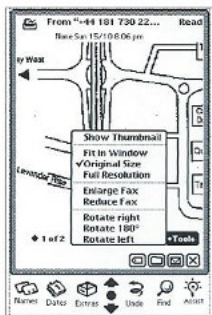


against the call. Notes can be added as the call is made and, once you're finished, the call can be completed by selecting a call completed option, such as 'Line Busy', 'No Answer', 'Left Message' or 'Call Completed'. The call's duration is also recorded so you can keep track of all your business calls.



Calls helps you keep a log of all calls made to your contacts

Improved Communications



Received faxes can be navigated, rotated and resized

As well as being able to send faxes over PSTN and GSM, Newton 2.0 OS can now also receive faxes. Through the new Fax Viewer software, added to the improved In Box, you can view and manipulate your faxes.

A fax can be moved around the screen in a variety

of ways. As well as navigation arrows, you can place the stylus on the fax, hold it down and move it around. Or you can create a Thumbnail view of the fax, and move the main fax image around by moving the stylus over the Thumbnail.

Other Tools are available to Rotate, Enlarge or Reduce the fax. Annotations can also be added so that comments can be put onto the fax, which can then be re-faxed or printed with the added comments.

Extras Drawer Enhancements

- Rotate the screen from portrait to landscape
- View packages by icon or by name and tap the scroll arrows to view any additional items
- Select multiple icons or packages at one time
- Quickly delete packages by scrubbing
- Drag and rearrange icons on the screen
- Personalise storage cards by creating titles
- Selectively choose what you want to backup, and restore and merge different backup files
- Create multiple owners as well as multiple worksites, if you want to keep your work and home 'personas' separate using Owner info
- Restrict access by using a Personal Identification Number or 'PIN'
- An application called 'Setup', which runs automatically when you turn on your MessagePad, allows you to enter some of your personal data step-by-step along with your electronic signature, if desired
- Add your own city entries in Time Zones

New Calls Application

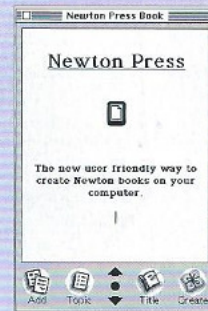
A new application, Calls, has been added to the Extras Drawer. Calls allows you to quickly make a note of any calls you make, who the calls are to and notes on the call's content. A call is placed by selecting a name from the Names File, or by adding a new name. You then tap the 'Place Call' button which places a date and time stamp



You can now rotate the screen

Newton Press is an application for creating and distributing electronic documents as Newton Books that can be reviewed and annotated on a Newton.

You can quickly create Newton books by combining text and graphics from other applications running on your Macintosh or Windows personal computer. You can also type and edit text as you create a Newton book and easily format it to match the screen-size and display characteristics of the Newton MessagePad.



Enter or import text into Newton Press, then format it and create Newton Book Packages

After creating an electronic document on your computer, you can save it as a package and install it on your Newton. You can use Newton Press or other Newton applications, such as Newton Backup Utility, to install it on a Newton.

Newton Press provides ways to quickly create books and install them on a Newton PDA automatically without you typing or formatting documents yourself. So if you just want to move information from your computer onto your Newton PDA, you can do so in a few easy steps.

Main Features:

- Create books automatically by dragging and dropping documents e.g. graphics, travel plans and background research etc., onto the Newton Press icon and have them automatically installed onto a Newton
- Create an empty Newton Press document to start a new book
- Move from page to page through a book or jump to a specific page
- Create a Table of Contents with links to specific sections
- Edit a book and copy and paste text and graphics
- Add documents from your computer applications to a book
- Add graphics, including charts, clip art, company logos and more, to a book
- Record information about a book, including a title, author, and unique ID number or ISBN number
- Save and open your work in progress

Reviews

Stylus readers, mountaineer **Chris Bonington**, and **Martin Bax**,

try out **Now Synchronize** and **AvailWorks 2.0**

Now Up-To-Date 3.5

£69

Now Contact 3.5

£69

Now Synchronize

£29.95

Distributed by **Now Software**



I have used Now Up-To-Date for three years and have found it a brilliant calendar and action list to help run my complex life which jumps between mountaineering expeditions, giving motivational talks to business, public lecturing, broadcasting and in my work for the environment as President of the Council for National Parks.

It also helped me to synchronise my life with that of my busy wife, Wendy, who is a teacher of the Alexander Technique. Our use of Now Up-To-Date over our four-computer network, using the Categories with one for my appointments and one for Wendy's, has enabled us to at least know when we can spend some time together.

I carried my calendar and database of addresses in ClarisWorks on my lap-top during my travels, but at meetings, at

a pay phone or half-way up a mountain, it's not always appropriate or even practical to open up one's lap-top to check a date or an address.

This is what attracted me to Now Up-To-Date and Now Contact with Now Synchronize for the Newton. I could at last throw away my paper organiser and have my calendar and address list in a truly compact form.

I already had 2,000 entries in my ClarisWorks database. Transferring them to Now Contact proved painlessly easy using the 'Import' command in the file menu and by following the instructions in the manual.

Once transferred, I revelled in the ease of use and flexibility of Now Contact. Using the Server meant that anyone on the network could access and change or add addresses. This was particularly useful for my secretary. The cross-over between Now Contact and Now Up-To-Date effectively links appointments with the phone numbers and addresses of your contacts, while Quick Contact in the menu bar means you can access addresses and phone numbers whilst in other applications.

And then the big transfer of data from my PowerBook to the Newton! The instructions are clear and simple, but it is important to read them and to carry out the transfer in the right sequence. Installing the Now Synchronise package onto the Newton using the 'Install Package' button was automatic and easy. It pays to tick the box 'Store New Items on Card' on the card icon in the Newton Extras Drawer and also to ensure that your card has enough memory to handle the size of calendar and address list you are planning to transfer. If they are both fairly full you need a 2MB card.

Once you've installed Now Synchronize, all you have to do is configure the Now Synchronize details in the box that comes up once you launch

the application on your desktop computer, making sure that you choose the right calendar file and contact list by pressing the appropriate buttons. You also need to choose the categories from both the calendar list and the contact list that you are going to put on the Newton. If you try to install everything in one fell swoop, the Newton gets acute indigestion and terminates the synchronisation, so it's best to do it in stages. It pays to archive past calendar information – I had allowed my calendar to stretch over three years. Archiving was delightfully easy with a single command in the File menu.

My calendar into the next two years – I plan that far ahead! – is still a big file with several hundred entries. I therefore ticked off one category at a time in the Now Synchronize box to transfer data across. It's important to add the ticks to the items without removing any in place otherwise you remove the category you've just transferred. For my contact file, I simply divided the categories between 'Newton' and 'the rest' to place those entries on the Newton that I thought would be useful to have handy – once I had gone through the entire Contact list of 2,000, I put about 700 entries on the Newton.

I have now got it up and running and am delighted with it. I had a few problems on the way, mainly because I hate reading manuals but I phoned the Now Software Help Line and found them both helpful and patient. Now Up-To-Date and Now Contact fit seamlessly onto the Newton using the existing Newton software. This means that fields or details that are not covered in the Newton are not transferred. For instance, in the To Do transfer, there are no notes in the Newton To Do items, though there are in the calendar, which means that if one simply entitles a To Do item as 'Call Joe' on one's computer and then put the details of the call in the notes, you lose this on the Newton. One simply has to put more clues into the title 'Call Joe cancel meeting' for it to come up in the Newton To Do list.

If you want to use the communications card to fax a message out, you must remember to transfer the contact you want to fax to from the card to the Newton memory. This is easily done by tapping on the envelope button at the bottom of the screen and highlighting Move From Card.

I also found Graffiti was a must and installed this on the card that holds my

contact and calendar information. My hand-writing is so appalling that even the best recognition package would have problems – on the other hand I find Graffiti quick and easy to use.

Summing up, the use of Now Up-To-Date and Now Contact with the Newton makes an outstanding time management package which provides me with the ideal tool for keeping up a hectic life-style combining climbing and business. If I have a vital phone call to make at 11am whilst half-way up Mont Blanc, provided I am in GSM range of a network, I can pull the phone out of my rucksack, check out my calendar on the Newton and, if necessary, send an eMail or Fax to someone in Lhasa. It sounds preposterous, but I have actually done this and am quite sure I will need this facility again as I plan two expeditions for next year, one to an unknown range in Tibet and the other to Antarctica, at the same time as touring the world lecturing and climbing. My Newton and Now Synchronize will be going to some wild places in the next 18 months.

Ease of Use 8/10

Value for Money 8/10

Overall rating 8/10

Chris Bonington is a mountaineer, lecturer, broadcaster and President of the Council for National Parks.

AvailWorks 2.0

**Distributed by Softline
£63.82**

AvailWorks is called a 4-in-1 Business Productivity Tool. It includes a text editor, a spreadsheet, a drawing tool (which can import Clip Art) and a graphical tool, and one can use all four when working on one document.

The value of this type of program is that you have most of the tools you are likely to need in one place and that they work well together, integrating their functions. The disadvantage is often that the tools are a compromise; less complete than their stand alone competitors.

However, AvailWorks' text editor is quite as good as the Newton Notepad – maybe a little better in speed and recognition. It has a couple of useful additional pop-up keyboards and the

choice of fonts and print effects is far greater than the Notepad. It also has the facility to import or export files from a PC or Macintosh. It implies that the PC keyboard can be used to input text to the Newton which could be a great boon, but I couldn't get that running. More time and advice needed probably.

The spreadsheet is basic but definitely useable for one's expenses or simple accounts. It doesn't have all the facilities of the specialist spreadsheets, but enough for most people's needs. The drawing program is fine but, again, don't expect it to rival your CorelDraw. I can never understand who uses these collections of twee clip art pictures, you know – Father Christmas, Halloween pumpkins, stars and arrows – but if you're into that sort of thing there is a fair selection, and if you need to represent your figures in a graph there is a surprising little facility which will turn them into all kinds of bar charts, pies, etc. Put any two of them together, or even all into one document and print to your dot matrix or Laser printer, yes, AvailWorks can do that too and produce a quite amazingly complex final print. It will take some time but you can do it.

Then, finally you're no doubt going to want to show off and send the masterpiece by fax to distant colleagues. But how can you when you need to remove the card on which you keep the 597k of AvailWorks and the 186k of clip art from the Newton, and insert your PCMCIA data card, to send the fax on your GSM phone?

They've thought of that too. You simply load a sort of sawn-off version of AvailWorks (73k) into your internal memory, which allows you to view your masterpiece on your MessagePad even when the card is withdrawn – and fax it too. I doubt whether many people will use all the different facilities on the same document very often. The extra tools in the text editor will be a benefit to many who find the Notepad rather limited; the ability to lay out your text and produce tables may be valuable to some; and the spreadsheet may be big enough so you won't need a specialist one. And, just occasionally, AvailWorks will enable you to amaze your friends by turning out a really complex presentation which will knock them sideways.

While attending a conference one weekend, I worked out how to use nearly all the functions (I'd left the manual at home), so I give AvailWorks high marks for usability!

Ease of Use 8/10

Value for Money 7/10

Overall rating 8/10

Martin Box is General Secretary of an association of European, church-based overseas aid charities based in Brussels and travels frequently and widely in Europe. He uses his Newton to hold a large number of names and addresses, eMail and fax numbers, to take notes in meetings such as the European Parliament, and to keep in touch with his contacts by fax and eMail using the Nokia Data card and a Nokia 2110 phone. The Berlitz translator card occasionally comes in useful too.

SOFTWARE availability

The following Newton software titles are currently available in the UK. Other titles are available but do not currently have UK distribution:

Accountable 2.5	£55.31
Action Names & Agenda	£39.95
AvailWorks 2.0	£63.82
Avail ClipArt (Vols 1-5) (each)	£21.27
Berlitz 5 Language Interpreter	£71.00
Equate	£62.50
ExpensePlus 1.0.2	£40.00
FilePad	£79.00
FirstClass Retriever	£99.95
CIS Retriever	£99.95
Fodor's 94 Travel Manager	£24.00
GoFigure	£22.00
Graffiti	£54.95
JigSaw Strategy Game	£16.00
Letter Express	£59.57
Letter Express Link	£25.52
Leverage	£102.12
More Info	£34.95
Newton Utilities	£24.00
Notion: The Newton List Manager	£30.00
NS Basic	£85.06
Now Up-to-Date	£69.00
Now Contact	£69.00
Now Synchronize	£29.95
PocketCall	£69.00
QuickFigure Pro 2.5	£42.54
Time Out Guide to London	£40.00
Time Reporter	£79.95

The following titles will be available shortly:

Great Meetings (£39.95);
PowerForms (£79.95)

● Thanks to Softline (Tel. 0181-401 1234) and MacZone (Tel. 0800 393696) for help in compiling this list. Newton software is available in the UK from MacZone or from your local Newton reseller. Call MacZone for your copy of the MacZone Newton Free Info Pack. Call Softline for your nearest Newton reseller.

All prices quoted are suggested retail prices excluding VAT.

Share...it!

The November *Amist* Top 10 Shareware list includes a number of programs that are already Newton 2.0 Operating System compatible (*).

We've also included some new ones we're sure you'll enjoy as well as some old favourites you may have missed. As

usual, to receive copies of these programs, send a cheque or postal order for £4 to: Stormont Software, Stylus November Shareware

Disk, 61 Lochinver Drive, Dundonald, Belfast, BT5 7AJ. Don't forget to say whether you want a Macintosh or Windows disk.

Convert 2.6*

This is an old favourite now updated and improved, and worthy of being re-included. For those of you who do not know the program, Convert is a series of conversion tables for length, weight, volume, currency and more, in an easy-to-use format. A replacement for all those conversion tables you'll find in any diary, but in a much more convenient form.

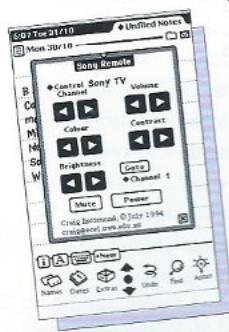
These shareware programs are third party products. Reviews do not indicate either a recommendation or an endorsement by Apple Computer UK Ltd.

Pocket Money*

Pocket Money is a personal finance manager for the Newton, which allows you to set up a variety of accounts and perform deposits, withdrawals and balance reconciliations on a variety of accounts. And, because it's on your Newton, you can enter data instantly wherever you are.

Sony Remote*

A fun little application which allows you to control a Sony TV, video, amplifier and tape deck. Of use if you happen to use your Newton in the vicinity of a Sony TV, otherwise a useful demonstration of how the IR capabilities of the Newton can be used in surprising ways.



NDCrypt

If you have notes you want to keep confidential, this application is for you. A simple interface which allows you to make the note unreadable or use a PIN and encrypt the note for greater security.

NOVEMBER'S TOP 10 SHAREWARE

Convert 2.6* By Clinton Logan Freeware	Extra Cities By Andy Pitkin Freeware
Pocket Money* By Hardy Macia Shareware fee \$20	Extract Packages 1.0 By Markus Fritze/ Σ-Soft Freeware
Sony Remote* By Craig Richmond Freeware	Extract individual packages from a NCK backup file
NDCrypt By Geert Jadoul Freeware	TimeLock By Hardy Macia Shareware fee \$10 Password delay
Shortlist 1.0 By Cesar Maiorino Freeware	Removelt 3.1.1 By Atomic Software Shareware fee \$5 Removes packages and soups from internal memory or cards
QuickCall 2.1 By Matt Spolin Shareware fee \$10	

Shortlist 1.0

Shortlist adds an extra item to the Notepad's routing slip which presents you with a list builder allowing you to add new items, set priorities, sort the list and delete items. The list remains visible and readable in the Notepad and so can be printed, faxed and mailed as with any other note.

NEWTON UK RESELLERS AND DEVELOPERS

AppleCentre Cambridge	Cambridge	01223 247111	■	×
AppleCentre Cheltenham	Cheltenham	01242 228855	■	×
AppleCentre Farnborough	Farnborough	01252 377424	■	× ▼
AppleCentre Leicester	Leicester	0116 255 6268	■	× ▼
AppleCentre Nottingham	Nottingham	01602 505352	■	× ▼
AppleCentre Oxford	Oxford	01865 201100	■	× ▼
AppleCentre Thames Valley	Reading	01734 581829	■	×
AppleCentre Warrington	Warrington	01942 892818	■	× ▼
Computer Warehouse	London	0171 724 4104	■	× ▼
Corporate Computers MID	London	0171 377 5586/	■	×
	Heathrow	0181 570 8899	■	×
Data Analysa	Maidenhead	01628 778397		▼
Euronix Computing	Cheltenham	01242 250504		▼
Ives & Co	Cambridgeshire	01480 433919		▼
MacWarehouse	Watford	0800 181332	■	× *
Micro Anvika	London	0171 636 2547	■	× *
Openwork	Birmingham	01527 522321	■	× ▼ *
PA Consulting	Herts	01763 261222		▼
SRL Data	London	0171 267 2561		▼
TBS Systems	Derbyshire	01773 828766	■	× ▼
The MacZone	Surrey	01483 211456	■	× *

- = MessagePad 120 stockist
- × = GSM reseller
- ▼ = Custom Software Developer
- * = Software Supplier

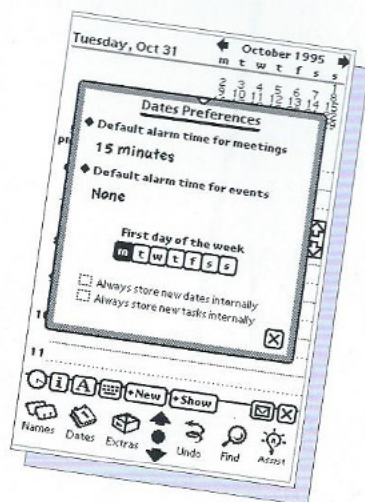
Hints & Tips

If you'd like to share your own Hints & Tips with other Stylus readers, please post them to Diana Rickman, Stylus, 6 Roundwood Avenue, Stockley Park, Uxbridge, Middlesex UB11 1BB; or fax them to: 0181-730 2606. Any published will receive a free Newton gift...

Hot TIP

The easiest way to add a title to a Note is by tapping on the Note symbol on the left-hand side of the screen. This will pop up a dialogue box which will have a title line and will also tell you the time and date the Note was created, where it is stored and how many bytes (storage space) it takes up.

- Q. How can I use the data I already have on a card from my previous Newton?**
- A. Names, Notes and Appointments can be moved from a Newton running versions of operating system 1.x to 2.0 by copying them to a PC card (also known as a PCMCIA card). When the card is inserted into the 2.0 unit, select the option to convert the information and all the items will then be readable and accessible to the new unit. The same can be done with a back up to a card from a Newton running a version of operating system 1.x, which can then be wholly or selectively restored and converted by the new 2.0 OS. We recommend restoring only the Names, Notes and Appointments soups, NOT applications, as not all applications may be



compatible with 2.0 and unreliable operation may result.

- Q. Where have some of the Preference settings gone?**
- A. In any application, tap the 'I' button in the bottom left-hand corner to access help screens and preferences for that application.

- Q. How can I dial the local code when using a GSM phone?**
- A. The Newton 2.0 operating system will not automatically dial the local code for your worksite (location). If you have a GSM phone and need to dial a local number including the local dialing code you can set up a special worksite for your GSM phone which has no local code.

Hot TIP

If you are in the Names File and cannot see full names or company details in the Overview screen, a new feature of 2.0 is the ability to rotate the display from a landscape view to a portrait view. This allows you to see more of your text horizontally. It can be used in Dates and Notes as well.

- Q. Can I change the Calendar so it starts on a different day of the week?**
- A. Yes, you can change what day of the week your Calendar starts (for example, Monday or Sunday) by changing the selection in the Dates Preferences section.
- Q. What is the easiest way for me to send regular emails and faxes to a group of people?**
- A. In the Names section you can group together names you often send email or faxes to in a special group card. Then, when you want

to send a fax or email to all members of the group, simply select the group's card. Or you can make an ad hoc selection by ticking the box on the left of the Overview screen.



- Q. How can I see more than 25 icons in the Extras Drawer?**
- A. The Extras Drawer now scrolls, so simply use the down arrow to view more icons, or press on the Overview button to get a listing of all items in the Extras Drawer.
- Q. How do I delete an application or soup?**
- A. The Extras Drawer now allows you to file your applications in folders and will also allow you to select icons (via the 'ink blot' or by choosing the Extras Overview screen and selecting them with a tick) and directly delete them. Soups can also be deleted by looking in the folder called Storage, and applications without an icon can be managed from the Extras folder called Extensions.

Hot TIP

In the Dates section, if you want to see all your day Notes, Appointments and To Do's for a day you should use the Show Day's Agenda option.

Steve Capps

In an exclusive interview with *Stylus*, Apple Fellow, Steve Capps, an original member of both the Macintosh and Newton development teams, talks Newton



Steve, you've been with Apple since pre-Macintosh days. In fact, you were one of the original team that wrote the Mac OS. How did you become involved with Newton?

I've always been enamoured with the idea of a pen-based computer. Other interesting historical points are: in 1984 Bill Atkinson spent the first months of his fellowship working on a blue-sky design for such a device. We also were in discussions in 1984 with AT&T to do a pen-based MacPhone. Finally, when Steve Jobs [Apple founder] set up NeXT, a couple of us lobbied to get him away from the university desktop machine (the so-called 3M machine: 1MB memory; 1024x1024 bit screen; IMIP; \$1 million) and do a pen-based computer. Outside of Apple the history of pen-based computing goes back to the 1950's (despite what the founders of Go claim). So, in 1987/8 there was talk going around of starting a pen-based computer project at Apple. At that time I had left the company and was having fun doing SoundEdit and Jam Session and other musical endeavours. I was lured back and joined the group when there were four people there.

How closely were you involved in the conception of Newton?

There are two answers to that: the first Newton was over-engineered, over-priced

and never would have shipped. The project was launched when the most expensive and full-featured Macintosh computers were the top sellers. I was involved at this time, but it quickly became a joke project. A few years later, Michael Tchao and I (with some help from Mike Culbert, our hardware god) hatched a subversive plan to radically scale down the effort. We incubated this idea underground for almost a year before getting the go-ahead from John Sculley [then CEO of Apple] and the, then, Newton group Manager, Larry Tesler. The big Newton pondered along for another year before crashing and burning. The small one became the original MessagePad the public knows.

How much was the original product like the brief?

If you mean how similar was it to the working plans at first... we actually came pretty close. It has a lot more features (like PostScript support, etc.) than originally envisioned, but still it's pretty close. (The first feature list was this:

- forms satellite for desktop computer
- price \$500-\$600
- small screen
- pen input

How did the launch of Newton compare with the launch of Macintosh – was it more or less stressful?

The Newton launch was more stressful than the Macintosh launch, because we rushed it out prematurely. Actually, they were about the same on a person-by-person basis, but since there were a lot more people doing the Newton, the overall stress was greater. The hype seemed greater with Newton than Macintosh. As much as Steve Jobs is an impresario, he didn't build up the '\$3 trillion industry' hype that Sculley did (even though that particular quote was about the convergence of computers, content and communication, NOT Newton). The hype,

plus the (imagined) competition – the Casio Zoomer and The General Magic device – all led to the frenzy at the announcement.

Has it evolved as you expected it to?

Yes, better so. The new recognition addresses many of the problems (not all though!). It's much more usable (and has become personally indispensable, actually).

Some say the evolution of Newton has, so far, followed that of the Macintosh, but that any future Newton products will leap-frog from Macintosh SE to the equivalent of today's Power Macintosh computers. We think of the MPI20 as the Macintosh Plus and the MPI20 with 2.0 as the Macintosh SE. As for follow-ons, we'll see, but the changes will be dramatic.

How do you expect it to change over the next few years?

Two fronts: Smaller; Bigger/faster. People think Newton is a 'handwriting machine' but it's actually all about a user interface for small devices. It alone could scale to small screens (among the current PDA offerings)

Where would you like to see Newton in the year 2005?

Everywhere. By then, everybody will be making one and claiming it was obvious all along.

Steve Capps was named an Apple Fellow for the Newton Group in 1994. He leads the specification and development of the user interface of Newton, shepherds the team of software developers and writes portions of the built-in application software. A member of the original Macintosh development team, Capps co-authored the Macintosh Finder and the Macintosh System Software and wrote ResEdit. Prior to joining the Newton Group in 1987, Capps lived in Paris for a year where he wrote computer programs (including SoundEdit®, Studio Session™ and Jam Session™) and designed musical toys. Today he lives in San Carlos, California, where he spends his leisure time playing music, programming, and playing basketball.

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