



Downsizing

How to move your data to a LAN.
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Fax servers

We test sending and receiving faxes on a LAN. See page 55

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88000 users weigh move to PowerPC

By CATE CORCORAN
AND TOM QUINLAN

Next Inc. — along with many other Motorola Corp. 88000 series customers — is deciding whether to join forces with Apple and IBM and use their PowerPC chip or become one of the throng of companies

using Intel Corp.'s Pentium chip.

According to sources familiar with the company's plans, Next has already abandoned an 88110-based system design.

"Given the position Next is in, it's inconceivable they wouldn't be looking at [the PowerPC and Pentium]," said Michael Slater, editor and publisher of *Microprocessor Report*. "They've got a 68000 box that isn't performance competitive, so they've got to do something else."

"Switching to the PowerPC
See MOTOROLA, page 8

Special Report

Pen computer vendors dig archaeologist's input System, software tested in Egypt

By YVONNE LEE

Pen computers may be the latest thing in portable technology, but they're already helping answer questions about other civilizations that wrote on tablets.

Archaeologists from the University of California on a dig in northern Egypt have been joined by a diverse group of adventure seekers from the

computer industry hoping to demonstrate an effective use of pen computing.

An archaeological dig may seem a rather exotic application, but archaeologists have several things in common with the industry's "typical computer user." Archaeologists literally work in the field, doing work that is traditionally more suited to pen and paper than to a

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Archaeologists hope pen computers will help piece together information about societies that wrote on stone tablets.

Novell, USL seek tighter NetWare, Unix integration

USL enlisted to help thwart Microsoft's network blitz

By SHAWN WILLETT

Novell Inc. will attempt to win over potential downsizing customers from Microsoft Corp. by integrating the base Unix operating system with key NetWare technology, according to Novell and Unix Systems Labs officials.

Novell announced last week plans to purchase USL from AT&T for \$350 million, citing the need to counter the threat from Microsoft's Windows NT.

"Microsoft considers us a competitor so we consider them a competitor," said Novell CEO Ray Noorda, who acknowledged Microsoft's networking ambitions helped prompt the purchase.

Novell and USL officials laid out plans to beef up Unix and NetWare and speed integration of the two operating systems by:

- creating a common application programming interface that lets developers write applications to both NetWare and Unix;
- adding Distributed Computing Environment support to NetWare, which would speed ISV development of fully distributed database and other mission-critical applications;
- deploying common systems administration, data security, and network management between



Ray Noorda (left) and USL's Roel Pieper promised to closely integrate NetWare and Unix.

the two;

- strengthening Unix's PC connectivity with NetWare's file, database, and host-access services; and
- integrating Unix wide-area and enterprise-wide functionality into NetWare.

"We will be offering a breadth of interoperability way beyond what will be available in
See NOVELL, page 96

Aldus satisfies wish lists with PageMaker 5

By JEANETTE BORZO

Users who see PageMaker 5.0 at Macworld Expo in early January should find most of their wish-list items have been incorporated into the Aldus Corp. desktop publishing program.

PageMaker 5.0, sporting more than 100 new features, will be announced on January 6. Both the Windows and Macintosh versions are due to ship in the first half of 1993, with the Mac version following approximately 30 days after the Windows version.

"I believe they've listened well to corporate publishers working in Windows and to graphic professionals working

See PAGEMAKER, page 8

Apple to announce midrange Mac line

Several product lines get upgrade

By TOM QUINLAN
AND JEANETTE BORZO

At Macworld Japan in February Apple Computer Inc. will launch six systems, including a new product family, upgraded Macintoshes, a new Quadra, and the first of its color PowerBook portables, sources said.

The first two products in Apple's new product family will be systems based on 20- and 25-MHz 68040 chips from Motorola. They will also include NuBus and processor-direct slots; built-in monitor support; and 4 megabytes of RAM, expandable to 64 megabytes.

The new line is intended to

bring the power of the 68040 processor down in price to between \$3,000 and \$3,500, sources said.

According to sources familiar with Apple's plans, later in the year the company will add to the line lower end systems that will only have a processor-direct slot.

Other products that Apple plans to introduce in February include a color version of its Mac Classic; a faster LC III with a 25-MHz 68030; and a Quadra 800 that adds a 33-MHz 68040 processor, expanded built-in color and monitor support, and 8 megabytes of RAM.

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