





*international space station*

220 miles straight up

There's an intranet in outer space, and it's controlled by IBM ThinkPads. Already on board the International Space Station, ThinkPads run everything from e-mail to tracking and rendezvous applications. Shown here is a component of the station, a connecting module, awaiting deployment from the Space Shuttle *Endeavour's* bay. IBM has been computing in space since *Explorer 1* in 1958 – participating in the Mercury, Gemini and Apollo missions, and the *Pathfinder* landing on Mars.



*acorn*  
*smart housing project*  
oakland california

Learning to read just got a little bit easier for 9-year-old Frank Martin, thanks to IBM's participation in an award-winning program designed to address issues like youth literacy and adult job training. Acorn's 293 families each get an IBM Network Station "thin client" computer and high-speed links to the Internet. And because challenges like these can't be addressed with information technology alone, IBM is also supplying educational consulting and customized courseware.





*information security practice*

amsterdam the netherlands

Nanette (top left window), Han (center) and Daniel (top right) are on the wanted list. Our customers pay them and their teams of industry specialists and "ethical hackers" to exploit business vulnerabilities and attack computer systems in order to stress-test company defenses and evaluate risks.

As security moves to the top of customers' agendas, with growing requirements to protect against theft, industrial espionage and fraud, IBM's information security practice is doubling its revenue annually.





## *Power4 chip testing*

yorktown heights new york

IBM's top-of-the-line RS/6000 and AS/400 servers will sport a powerful – and identical – new brain in 2001. The Power4 will be IBM's first commercially available "gigaprocessor" – a chip with an internal clock speed of a billion cycles per second. It will feature improved bandwidth, as well as IBM invented technologies like copper interconnect and silicon-on-insulator.







*e-business consulting*  
rio de janeiro brazil

With Internet use in Latin America growing faster than anywhere else in the world, Glauciene Bentes and the e-business consulting team in Brazil don't lack for opportunity. They have partnered with 24 companies that, using IBM technology, have developed some of the most innovative e-business sites in the country – from a virtual supermarket based in Minas Gerais to Boa Compra, a mega-boutique hosting 200 online shops.



Kevin Wilson  
Director of Technology  
YourLives.com

Christine Herron  
Founder, Chairman and CEO  
Mercury2, Inc.

*internet startup incubator*  
palo alto california

In the lonely Web years before billion-dollar IPOs, most NetGen startups needed an angel. So why not a well-heeled angel in blue? IBM is partnering with Internet service provider Conxion to provide up to \$1 million in technology and services to selected Internet startups. The price? Nada. At the end of six months, the startups can buy or lease the equipment or walk away altogether.



Mark Cahsens  
CEO  
ebuddies.com

Shane McRann Bigelow  
President and Chief Revolutionary  
E-Pair.com

Christian Buckley  
CEO  
QOSES

David Allen  
Business Development  
ebuddies.com





## *network processor*

burlington vermont

Meet the post-PC processor – faster, more adaptable and more upgradable. Specialized chips like these are needed in advanced communications equipment to manage applications like streaming audio and video at speeds far beyond the reach of traditional microprocessors. Here, chips etched on 8-inch wafers await final “dicing,” or cutting into hundreds of thumbnail-size processors.

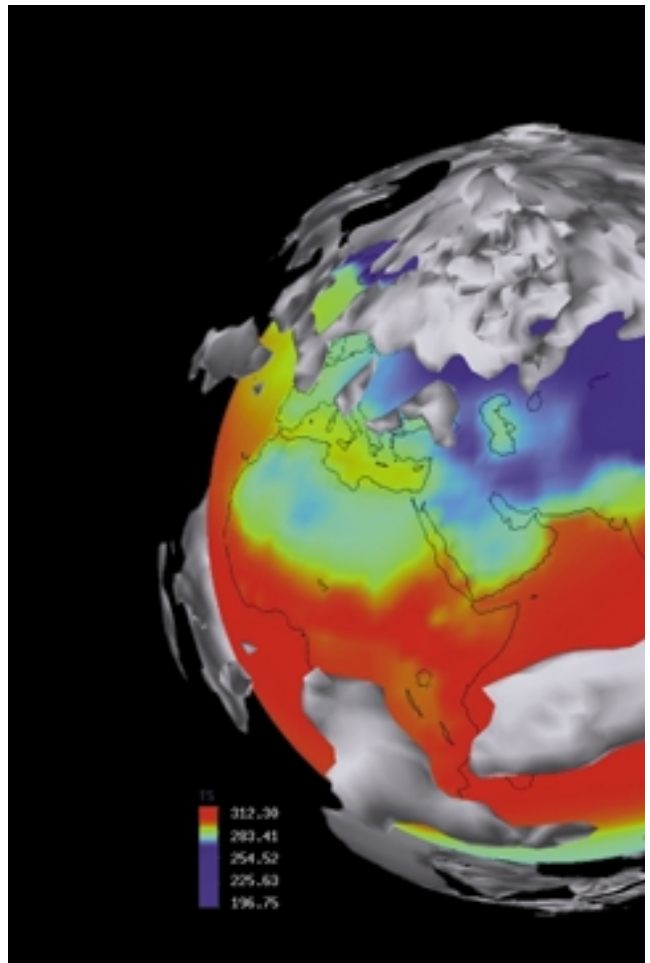


*national center  
for atmospheric research*

boulder colorado

As industrial pollutants continue to alter global chemistry in barely understood ways, predicting long-term climate changes could be key to preserving life on our planet. At the U.S.

National Center for Atmospheric Research, scientists are improving our odds with an IBM RS/6000 SP supercomputer that can calculate the interactions of thousands of variables (like ocean temperature, precipitation and ozone depletion) over extended periods of time. In this simulation, white areas of cloud cover float over warmer surface temperatures shown in red and yellow, and cooler areas in blue-green.



*planetRx.com*

anywhere

Since December, customers with handheld computers have been able to go to PlanetRx.com to order over-the-counter medications and other health and beauty products. IBM provides RS/6000 SP and Netfinity servers, DB2 Universal Database and WebSphere software, as well as the technology that translates information from Web format to one used on handheld computers, such as this IBM WorkPad.







*det norske veritas*

bergen norway

Why would anyone *wear* a computer? If you're an inspector for this Norwegian company that monitors the safety of large ships, it's because you need to access computer drawings, verbally enter evaluations and submit digital reports – even while your hands are busy wearing gloves or toting a wrench. This IBM prototype of a wearable PC features a tiny, headset-mounted display, IBM's Microdrive storage device, and ViaVoice speech recognition software – all in a belt-mounted package that weighs less than a pound.