

SPECIAL ISSUE

THE FUTURE OF PRIVACY

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24 Privacy in an Age of Terabytes and Terror

By Peter Brown

The boundaries are shifting between public interest and "the right to be let alone."

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By Esther Dyson

Some issues that appear to be questions of privacy turn out to be matters of security or health policy.

INTERNET EAVESDROPPING

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By Whitfield Diffie and Susan Landau

As telephone conversations migrate to the Internet, the government wants to listen in.

ONLINE MEDICINE

40 Keeping Your Genes Private

By Mark A. Rothstein

Better regulations are still needed to prevent genetic discrimination.

SURVEILLANCE

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Compiled by Steven Ashley

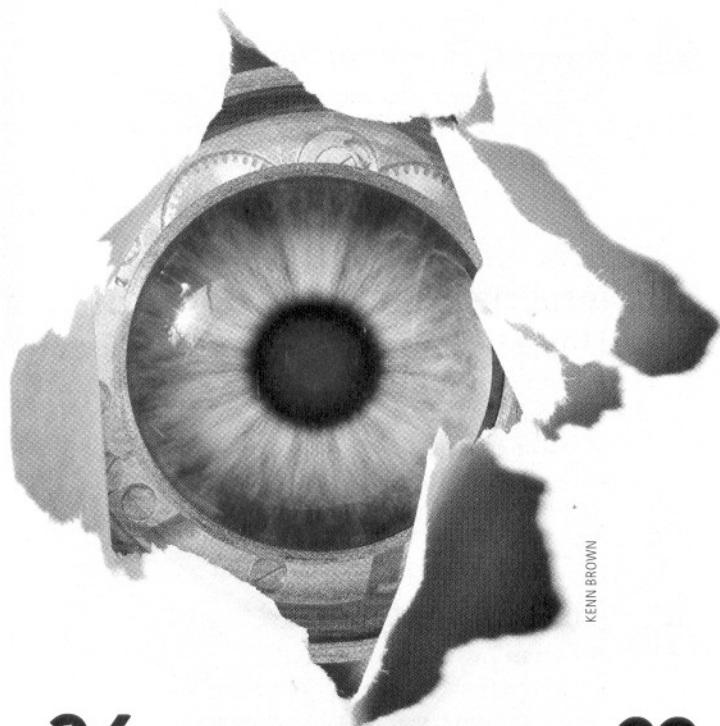
Night-vision cameras, biometric sensors and other gadgets already give snoops access to private spaces. Coming soon: palm-size "bug-bots."

ID CHIPS

48 RFID Tag—You're It

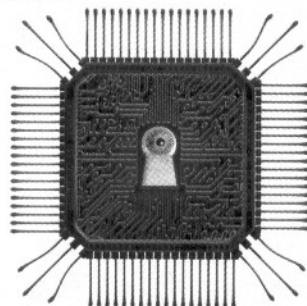
By Katherine Albrecht

A privacy activist argues that radio-frequency identification tags pose new security risks to those who carry them, often unwittingly.

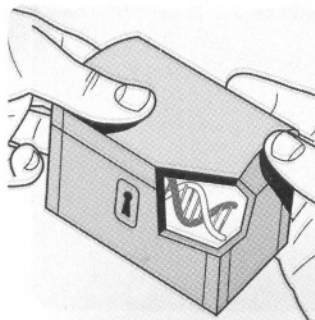


KENN BROWN

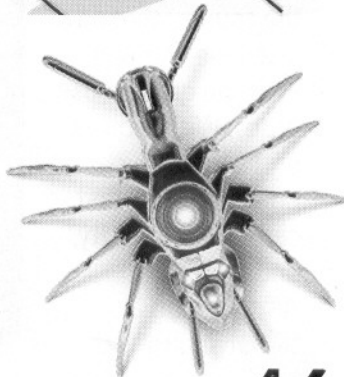
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ON THE COVER

Advancing technologies will bring many benefits, but we may lose control over who learns our secrets in the process. Is that bad?

Image by Kenn Brown, Mondolithic Studios.

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By Anil K. Jain and Sharath Pankanti

Security based on anatomical and behavioral features may offer the best defense against identity theft. But error rates remain a stumbling block.

DATA FUSION

60 Information of the World, Unite!

By Simson L. Garfinkel

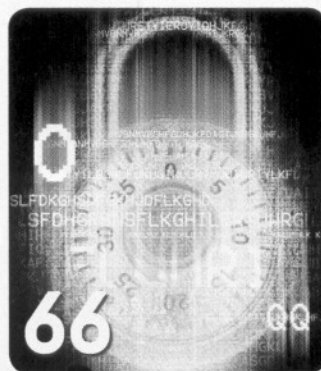
Mashing everyone's personal data into one all-encompassing digital dossier is the stuff of Orwellian nightmares. It is not as easy as most people might assume, however.

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By Anna Lysyanskaya

A versatile range of software solutions can protect the privacy of your information and online activities to any desired degree.



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To defend against hackers, security professionals call for upgraded technology, along with more attention to human and legal factors.

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Social-networking Web sites may be radically realigning what is considered public and private.

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DAVID BIELLO

 **In-Depth Report: Technology and Privacy**
Cyberterrorism, Online Predators, Electronic Voting, and More Read, listen to and interact with exclusive digital features complementing this print issue on "The Future of Privacy." Goes online August 18.

 **Feature**
Musicphobia: When Your Favorite Song Gives You Seizures
A woman exhibits a rare kind of epilepsy triggered by music.

 **Fact or Fiction**
Men Have a Biological Clock
Does male fertility have an expiration date?

 **Podcast**
Astrophysicist J. Richard Gott on Time Travel
The Princeton University scientist discusses the realities and speculations of voyaging through the fourth dimension.

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- DNA from mammoth bones.
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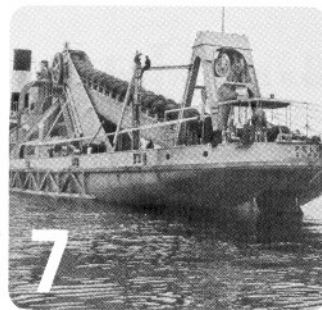
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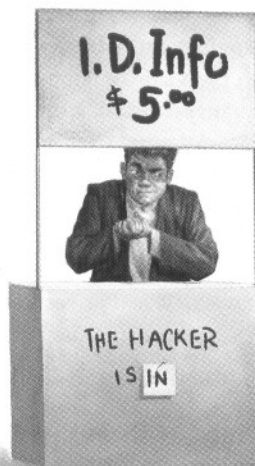
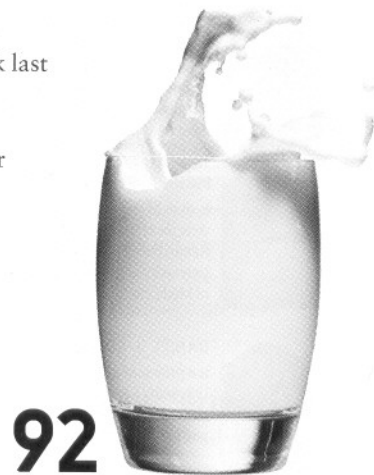
Instant photo developing.

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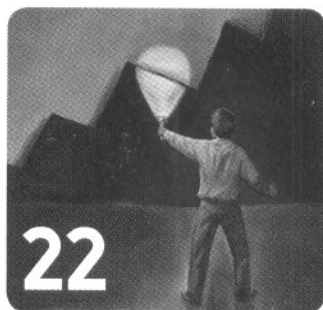
Math fix for unfair elections.
Physics fix for uninformed voters.

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