

A Science Service Publication Volume 126, No. 7, August 18, 1984

E.G. Sherburne Jr. Publisher Joel Greenberg Editor Dietrick E. Thomsen Senior Editor/ Physical Sciences Joanne Silberner

Managing Editor Laurie Jackson Phillips Production/Design Director **Bruce Bower** Behavioral Sciences Biomedicine Life Sciences

Deborah Franklin Julie Ann Miller Janet Raloff, Ivars Peterson

Jonathan Eberhart Space Sciences Wendy McCarren Assistant to the Editor Gardiner Morse Science Writer Interns Andrea Rowand

Policy/Technology

Jane M. Livermore

Books Donald R. Harless **Business Manager** 

Scherago Associates Advertising Fred Dieffenbach, Sales Director 1515 Broadway, New York, N.Y. 10036 Advertising

Copyright \$ 1984 by Science Service, Inc., Editorial and Business Offices, 1719 N St., N.W., Washington, D.C. 20036. Republication of any portion of SCIENCE NEWS without written permission of the publisher is prohibited

Subscription Department 231 West Center Street, Marion, Ohio 43302

Subscription rate: 1 yr., \$27.50; 2 yrs., \$47.50; 3 yrs., \$67.00. (Foreign postage \$5.00 additional per year.) Change of address: Four to six weeks' notice is required. Please state exactly how magazine is to be addressed. Include zip code. For new subscriptions only call (1) 800-247-2160. Printed in U.S.A. Second class postage paid at Washington, D. C. Title registered as trademark U.S. and Canadien Patent Offices. Published every Saturday by SCIENCE SERVICE, Inc. 1719 N St., N.W., Washington, D. C. 20036. (202-785-2255) ISSN 0036-8423

# **This Week**

100	Ancient Quake Shakes Up the Past
101	Atom detection improves, on the surface
101	Membrane electrons: Transfers in the dark
102	Allergy mechanisms: Learning and itching
102	Skin by the yard covers massive burns
103	Microwaves: Hints of low-dose hazards
103	Space research: Don't forget the science

#### **Research Notes**

108	Astronomy
108	Biology
109	Food Science
109	Behavior

#### **Articles**

104 Diagnostic DNA

Cover: A new diagnostic technique can identify cells infected with a virus, as well as a variety of microbial and genetic diseases. The DNA probe technique here marks in purple the human cells in tissue culture that are infected with adenovirus. (Micrograph: Enzo Biochem, Inc.)



## **Departments**

99 Letters 110 **Books** 

Science Service Institution for the public understanding of science founded 1921; a nonprofit corporation. Board of Trustees—President, Glenn T. Seaborg; Vice President, Gerald F. Tape; Treasurer, Willis Harlow Shapley; Secretary, Julius Duscha; Joseph W. Berg Jr.; Edward Bliss Jr.; Bowen C. Dees; David A. Goslin; Milton Harris; Hilleary F. Hoskinson; Elizabeth F. Neufeld; O. W. Riegel; H. Guyford Stever; John Troan; Deborah bp. Wolfe.

Director: E. G. Sherburne Jr.; Assistant Director: Dorothy Schriver; Business Manager: Donald R. Harless.

# Letters

## Ipso facto

The American Bar Association report on computer crime ("New data increase computer crime concerns," SN: 6/23/84, p. 390) exaggerates the magnitude of the problem.

Largely this is due to the breadth of their definition. Defining the theft of computer components as "computer crime," for example, strikes me as absurd. Television sets are stolen on a daily basis, yet no one complains about the epidemic of "TV crime." Theft is theft, and should be treated as such by the law.

Similarly, embezzlement, regardless of the means, is still embezzlement. The fact that it may have been carried out via computer is ir-

As for the "unauthorized use of computers for personal activities," this hardly strikes me as criminal behavior. There seems to be a widespread belief that computer time is precious, something to be jealously guarded. This may have been true in the '50s and '60s, but nowadays it is common practice for office computers to be left powered up but idle when employees go home at night. Carpenters and mechanics bring personal projects into the shop to work on during their off hours; why not programmers and accountants as well? No one is harmed by such activity.

Granted, the alteration or theft of computer data is a form of crime that may not be adequately addressed by existing statutes. But to call for federal legislation regulating a broad spectrum of activities, many of which are already illegal, seems excessive.

I conclude that asking the ABA "Is legislation needed?" is rather like asking the Pentagon "Do you have enough bombs?"

Gregory P. Kusnick Sonora, Calif.

### Weapons wording

Janet Raloff wrote so well on "Ultimate Weapons" (SN: 7/21/84, p. 42) that I regret to cite two aberrations from excellence: 1) A wavelength of one micron is approaching the visible, not the ultraviolet; 2) A material that protects by being melted away is a blative, not o blative.

H.M. Davis Chapel Hill, N.C.

**AUGUST 18, 1984** 99