

about the defects of the computer operating system Unix, pseudo-superusers and the details of how "Internet"—the network of networks—functions. One also learns that the network security experts, some of whom belong to those Washington agencies no one talks about, are sometimes amazingly ignorant of their own specialty.

Media attention has focused on the excitement of lone "gunslingers,"

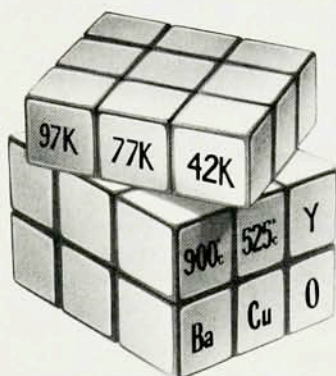
computer trespassers who audaciously penetrate the formidable bastions of the military-industrial complex. However, this unexplored laybrinth itself has serious problems. No one is managing Internet (nor does anyone want to). The digital highway system has no troopers—or should that be night watchmen? Thieves are stealing information, and such theft is hard to detect, because what has been stolen is still there, unchanged.

Certainly the network should be regulated but how, and with what penalties to abusers? There are no precedents for this type of policing. Invading a computer file is like peeking at someone's mail: It is certainly unethical but the criminal code is out-of-date on whether it is a crime or not. Washington is ignoring the problem as unsolvable or not serious, or is assuming that someone else should solve it.

Stoll is certainly to be commended for publicizing these problems. His book should be required reading for everyone who uses a computer network.

JOHN W. D. CONNOLLY
University of Kentucky

Put the puzzle together with superconductive thin film systems from Balzers.



For reproducible sandwich or alloy coatings of Y-Ba-Cu-O on various substrates, Balzers ultra-high vacuum equipment gives you the control you need to achieve, and repeat, critical parameters for superconductive thin films. Several leading research labs use these Balzers systems to produce thin film superconductor coatings.

Balzers systems reach UHV rapidly and allow precise regulation of E-beam evaporation at low-to-medium rates. For high-temperature coating materials (including UHV epitaxy for silicon), systems include a 900°C heater for substrate preparation. The heater is suitable for operation with high partial pressure of oxygen.

Choose from a broad range of sputtering or co-evaporation systems with process chamber diameters from 400–650mm (16–25 inches) to handle a variety of processes.

Put a decade of thin film experience to work for you. Contact our New Hampshire headquarters or call your local Balzers representative for a free brochure or to arrange a presentation.

BALZERS

Balzers Aktiengesellschaft
P.O. Box 100
Friedenstraße 100
Tel. (0751) 44111
Telex 889 788 bva D
Telefax (0751) 44413

Balzers
8 Sagamore Park Road
Hudson, NH 03051
Tel. (603) 889-6889
Telex 294 041
Fax (603) 889-8573

Circle number 36 on Reader Service Card

NEW BOOKS

Astronomy and Astrophysics

Asteroids II. R. P. Binzel, T. Gehrels, M. S. Matthews, eds. Arizona U.P., Tucson, 1989. 1258 pp. \$50.00 hc ISBN 0-8165-1123-3. *Compilation*

Astrophysics in Antarctica. *AIP Conference Proceedings 198.* Proc. Conf. Newark, Delaware, June 1989. D. J. Mullan, M. A. Pomerantz, T. Stanev, eds. AIP, New York, 1989. 267 pp. \$70.00 (\$56.00, AIP members) hc ISBN 0-88318-398-6

Dynamics of Astrophysical Discs. Proc. Conf., Univ. of Manchester, December 1988. J. A. Sellwood, ed. Cambridge U.P., New York, 1990. 257 pp. \$47.50 hc ISBN 0-521-37485-5

Modern Technology and Its Influence on Astronomy. J. V. Wall, A. Boksenberg, eds. Cambridge U.P., New York, 1990. 323 pp. \$59.50 hc ISBN 0-521-34313-5

The Solar System. T. Encrenaz, J.-P. Bibring, M. Blanc. Springer-Verlag, New York, 1990. 330 pp. \$59.50 hc ISBN 0-387-18910-6

Stellar Structure and Evolution. R. Kippenhahn, A. Weigert. Springer-Verlag, New York, 1990. 468 pp. \$49.95 hc ISBN 0-387-50211-4

Computers and Computational Physics

Array Grammars, Patterns, and Recognizers. *Series in Computer Science 18.* P. S. P. Wang, ed. World Scientific, Teaneck, N. J., 1989. 225 pp. \$46.00 hc ISBN 981-02-0083-8. *Compilation*

Cellular Automata and Modeling of Complex Physical Systems. *Springer Proceedings in Physics 46.* Proc. Sch., Les Houches, France, February 1989. P. Manneville, N. Boccara, G. Y. Vichniac, R. Bidaux, eds. Springer-Verlag, New York, 1989. 319 pp. \$56.50 hc ISBN 0-387-51933-5

Learning and Recognition: A Modern Approach. *Beijing Institute of Modern Physics Series 3.* Proc. Wksp., Beijing, September-October 1988. K. H. Zhao, C. F. Zhang, Z. X. Zhu, eds. World Scientific, Teaneck, N. J., 1989. 291 pp. \$67.00 hc ISBN 9971-50-787-0

Linear Prediction Theory: A Mathematical Basis for Adaptive Systems. *Springer Series in Information Sciences 21.* P. Strobach. Springer-Verlag, New York, 1990. 422 pp. \$53.00 hc ISBN 0-387-51871-1. *Monograph*

Naturally Intelligent Systems. M. Caudill, C. Butler. The MIT Press, Cambridge, 1990. 304 pp. \$19.95 hc ISBN 0-262-03156-6

Numerical Recipes in Pascal: The Art of Scientific Computing. W. H. Press, B. P. Flannery, S. A. Teukolsky, W. T. Vetterling. Cambridge U. P., New York, 1989. 759 pp. \$44.50 hc ISBN 0-521-37516-9

Pattern Analysis and Understanding. Second edition. *Springer Series in Information Sciences 4.* H. Niemann. Springer-Verlag, New York, 1990 [1981]. 371 pp. \$45.00 pb ISBN 0-387-51378-7. *Monograph*

Condensed Matter Physics

Atomic Collisions in Crystals. M. A. Kumakhov, G. Shirmer (translated from Russian). Gordon and Breach Science Publishers, New York, 1989 [1980]. 260 pp. \$185.00 hc ISBN 2-88124-659-1

Chaotic Evolution and Strange Attractors. D. Ruelle. Cambridge U. P., New York, 1989. 96 pp. \$39.50 hc ISBN 0-521-36272-5; \$12.95 pb ISBN 0-521-36830-8

Computer Simulation Studies in Condensed Matter Physics II. *Springer Proceedings in Physics 45.* D. P. Landau, K. K. Mon, H.-B. Schüttler, eds. Springer-Verlag, New York, 1990. 189 pp. \$53.00 hc ISBN 0-387-51906-8. *Compilation*

Condensed Matter Physics. Proc. Sch., Canberra, Australia, January 1989. J. Mahanty, M. P. Das, eds. World Scientific, Teaneck, N. J., 1989. 424 pp. \$64.00 hc ISBN 9971-50-886-9

Determination of Hydrogen in Materials: Nuclear Physics Methods. *Springer Tracts in Modern Physics 117.* P. K. Khabibullaev, B. G. Skorodumov. Springer-Verlag, New York, 1989. 87 pp. \$68.00 hc ISBN 0-387-50675-6

Gauge Fields in Condensed Matter, Vol. 1. Superflow and Vortex Lines; Disorder Fields, Phase Transitions; Vol. 2. Stresses and Defects: Differential Geometry, Crystal Melting. H. Kleinert. World Scientific, Teaneck, N. J., 1989. 1456 pp. \$170.00 hc ISBN 9971-50-210-0

High Temperature Superconductors. *Progress in High Temperature Superconductivity 20.* Proc. Mtg., Cocoyoc, Mexico, January 1988. T. Akachi, J. A. Cogordon, A. A. Valladares, eds. World Scientific, Teaneck, N. J., 1989. 153 pp. \$48.00 hc ISBN 9971-50-931-8

Ionic Solids at High Temperatures. *Directions in Condensed Matter Physics 2.* A. M. Stoneham, ed. World Scientific, Teaneck, N. J., 1989. 405 pp. \$86.00 hc ISBN 9971-50-335-2. *Compilation*

Neutron Scattering by Ferroelectrics. V. L. Aksenov, N. M. Plakida, S. Stamenković (translated from Russian by D. B. Pontekorvo). World Scientific, Teaneck, N. J., 1990. 380 pp. \$61.00 hc ISBN 9971-50-193-7

Principles of Dielectrics. *Monographs on the Physics and Chemistry of Materials*

45. B. K. P. Scaife. Oxford U. P., New York, 1989. 384 pp. \$105.00 hc ISBN 0-19-851380-1

Quantum Simulations of Condensed Matter Phenomena. Proc. Wksp., Los Alamos, New Mexico, August 1989. J. D. Doll, J. E. Gubernatis, eds. World Scientific, Teaneck, N. J., 1990. 411 pp. \$78.00 hc ISBN 981-02-0047-1

Rare-Earth Permanent Magnets. *European Materials Research Society Symposia Proceedings 8.* Proc. Symp., Strasbourg, France, November 1988. I. R. Harris, ed.

High Voltage 20¢/Volt

The PS300 programmable power supply series provides up to 5kV at 25 Watts for laboratory and ATE applications. These supplies offer a wide range of features including programmable current and voltage limits, selectable overload response, and short circuit protection.

Dual LED displays monitor both output current and voltage, while a third display allows error-free front panel entry. A full GPIB interface is available for ATE systems.

The combination of features, price, and performance make the PS300 series the perfect choice for laboratory or systems use.

\$1150.00

PS350	0 to 5kV
PS325	0 to 2.5kV
PS310	0 to 1.25 kV

25 Watts output power
0.001% regulation
0.1% accuracy
Low output ripple
Dual polarity
Voltage and current readouts

GPIB Interface \$495



Stanford Research Systems

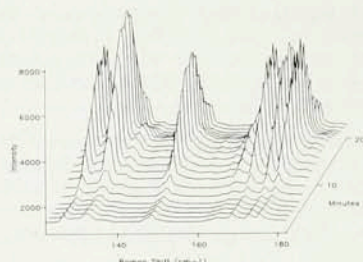
1290 D Reamwood Avenue, Sunnyvale, CA 94089
TEL (408) 744-9040 FAX 4087449049 TLX 706891 SRS UD

Circle number 37 on Reader Service Card

NEW

CCD9000

CCD MULTICHANNEL DETECTION & ANALYSIS SYSTEM



Photometrics introduces the **CCD9000 Spectroscopic Detection System**. This outstanding new system features:

CCD Capabilities

- Proprietary CCD with multi-pinned-phase technology—lowers dark noise by a factor of 30 over conventional CCDs
- New 298 x 1152 pixel CCD with full 1-inch spectral coverage
- Tektronix 512 thinned CCD with up to 80% quantum efficiency

System Capabilities

- New, user-friendly graphic interface software for easy system setup and acquisition
- Integrated Lab Calc software for complete spectral processing
- Single card system controller plugs into 286/386 computers—no external controller required

Photometrics is the world leader in high-performance CCD detection systems. For more details and expert advice, call today.

Photometrics Ltd.
3440 E. Britannia Dr.
Tucson, Arizona 85706
Fax: (602) 573-1944
Tel: (602) 889-9933

Photometrics

In Europe:
Photometrics GmbH
Oskar-Coester-Weg 5
D-8000 München 71
West Germany
Fax: (0 89) 79 97 15
Tel: (0 89) 79 95 80

Circle number 38 on Reader Service Card

"A superb book..."

Astronomer Friedman here writes one of the most engaging popular science introductions to astronomy to come along in memory." — *Publishers Weekly*

"Perhaps astronomy's most articulate spokesman"

views this complex, arcane science with the eye of an artist and the enthusiasm of an amateur... Absorbing." — *Booklist*

"This is a book for those who would like to sit down with one of the leading postwar researchers who could explain what the new astronomical knowledge is all about." — *Christian Science Monitor*

"A remarkable tour d'horizon"

[gives] coherence and lucidity to the astounding, invariably puzzling, but always provoking discoveries of contemporary astronomy."

— Norman Metzger, Executive Director,
NCR Commission on Physical Sciences,
Mathematics, and Applications

THE ASTRONOMER'S UNIVERSE

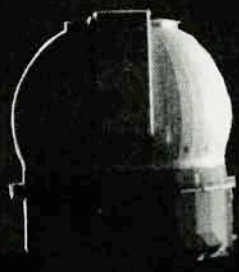
Stars, Galaxies, and Cosmos

by **HERBERT FRIEDMAN**

Now at bookstores or order from:



500 Fifth Ave., N.Y., N.Y. 10110



Circle number 39 on Reader Service Card

North-Holland, New York, 1989. 134 pp.
\$66.00 hc ISBN 0-444-88008-9

Scattering in Volumes and Surfaces. Proc. Wksp., Madrid, September 1988. M. Nieto-Vesperinas, J. C. Dainty, eds. North-Holland, New York, 1990. 324 pp. \$85.25 pb ISBN 0-444-88529-3. *Compilation*

SEM Microcharacterization of Semiconductors. *Techniques of Physics 12.* D. B. Holt, D. C. Joy, eds. Academic, San Diego, Calif., 1989. 452 pp. \$49.00 hc ISBN 0-12-353855-6. *Compilation*

The Solid State: From Superconductors to Superalloys. *IUCr Texts on Crystallography 1.* A. Guinier, R. Jullien. Oxford U.P., New York, 1989. 271 pp. \$75.00 hc ISBN 0-19-855290-4; \$29.95 pb ISBN 0-19-85554-7

Solid State Physics, Vol 43: Advances in Research and Applications. H. Ehrenreich, D. Turnbull, eds. Academic, San Diego, Calif., 1990. 328 pp. \$69.50 hc ISBN 0-12-607743-6. *Compilation*

Superconductivity and Applications. *Progress in High Temperature Superconductivity 19.* Proc. Symp., Hsinchu, Taiwan, April 1989. P. T. Wu, H. C. Ku, W. H. Lee, R. S. Liu, eds. World Scientific, Teaneck, N. J., 1989. 460 pp. \$78.00 hc ISBN 9971-50-953-9

Theory of Superconductivity. M. C. Crisan. World Scientific, Teaneck, N. J., 1989. 298 pp. \$68.00 hc ISBN 9971-50-569-X

Theory and Mathematical Methods

Algebraic Geometry and Complex Analysis. *Lecture Notes in Mathematics 1414.* Proc. Wksp., Pátzcuaro, Mexico, August 1987. E. Ramírez de Arellano, ed. Springer-Verlag, New York, 1989. 180 pp. \$17.60 pb ISBN 0-387-52175-5

Applications of Electrodynamics in Theoretical Physics and Astrophysics. V. L. Ginzburg (translated from Russian by O. Glebov). Gordon and Breach, New York, 1989 [1987]. 475 pp. \$79.00 pb ISBN 2-88124-719-9

Boundary and Eigenvalue Problems in Mathematical Physics. H. Sagan. Dover Publications, New York, 1989 [1961]. 381 pp. \$8.95 pb ISBN 0-486-66132-6. *Reprint*

Differential Equations: Their Solution Using Symmetries. H. Stephani (M. MacCallum, ed.). Cambridge U.P., New York, 1989. 260 pp. \$44.50 hc ISBN 0-521-35531-1; \$17.95 ISBN 0-521-36689-5

Festschrift in Honour of Eduardo R. Caianiello. A. Giovannini, F. Mancini, M. Marinaro, A. Rimini, eds. World Scientific, Teaneck, N. J., 1989. 328 pp. \$58.00 hc ISBN 981-02-0045-5

Fields, Strings, Critical Phenomena. Proc. Sch., Les Houches, June-August 1988. North-Holland, New York, 1990. 640 pp. Dfl 230.00 (\$95.50) hc ISBN 0-444-88440-8

"Bigger" is AVAILABLE ... AND Bigger IS BETTER

Achieve Higher Signal-to-Noise Ratio — Economically

By definition: a 90% relative efficiency Ge detector records three times as many counts at 1.33 MeV as does a 30% detector.

But **WHICH** of the following is true?

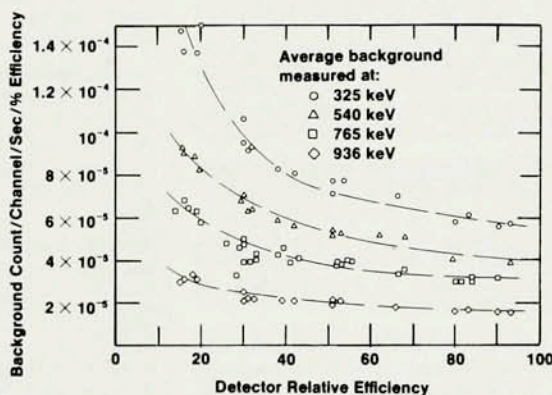
Over a wide range of energies, a 90% detector produces:

- (a) FOUR times
- (b) THREE times
- (c) TWO times

as many undesired Compton-background counts as a 30% detector.

The **ANSWER** is (c). The proof was supplied in a recent paper, "The Benefits of Ultra-Large Germanium Detectors . . .".* Measurements on over 40 large and ultra-large detectors show that the **background per percent efficiency DECREASES** with increasing detector size (see figure).

No matter if your application is in-beam, or neutron-activation analysis of small samples, or low-level environmental measurements: an ultra-large detector offers A BONUS in shorter acquisition time, improved signal-to-noise ratio, and lower detection limits.



115%

Choose a detector of efficiency up to ~~110%~~, produced from **EG&G ORTEC's** own Ge crystals.

Here are a few of the detectors recently delivered:

Serial No.	Relative Efficiency	1.33-MeV Resolution (keV)	P/C
P-40177A	116% (World record)	1.93	96/1
P-40166A	113%	1.85	99/1
P-40165A	110%	1.93	93/1
P-20251	103%	1.93	90/1
P-20248	100%	2.00	90/1

These ultra-high peak-to-Compton ratios mean **less** Compton background under your peaks of interest, leading to **enhanced detection limits**.

Large detectors always in stock.

Call the **HOTLINE 800-251-9750** or your local EG&G ORTEC representative.

*Keyser, Twomey, and Wagner, RADIOACTIVITY and RADIOCHEMISTRY, Atlanta: Caretaker Publications, May 1990, pp. 47-56.



100 Midland Road, Oak Ridge, TN 37831-0895 U.S.A. • (615) 482-4411 • Telex 6843140 EGGOKRE • Fax (615) 483-0396

CANADA
(416) 475-8420

FRANCE
(01) 60.77.93.66

WEST GERMANY
(089) 926920

ITALY
(02) 7610267

JAPAN
(03) 638-1506

THE NETHERLANDS
(030) 887520

UNITED KINGDOM
(0734) 773003

Circle number 40 on Reader Service Card

Fifty Years of Polynomials. *Lecture Notes in Mathematics 1415.* M. Langevin, M. Waldschmidt, eds. Springer-Verlag, New York, 1990. 235 pp. \$21.80 pb ISBN 0-387-52190-9

Fourier Analysis. T. W. Körner. Cambridge U.P., New York, 1988. 591 pp. \$34.50 pb ISBN 0-521-389917

Galois Theory. Second edition. *Chapman and Hall Mathematics.* I. Stewart. Chapman and Hall, New York, 1989. 202 pp. \$52.50 hc ISBN 0-412-34540-4; \$22.50 pb ISBN 0-412-34550-1. *Monograph*

Group Theory and its Application to Physical Problems. M. Hamermesh. Dover Publications, New York, 1989 [1962]. 509 pp. \$10.95 pb ISBN 0-486-66181-4. *Reprint*

Integrable Systems in Quantum Field Theory and Statistical Mechanics. *Advanced Studies in Pure Mathematics 19.* M. Jimbo, T. Miwa, A. Tsuchiya, eds. Academic, San Diego, Calif., 1989. 662 pp. \$89.50 hc ISBN 0-12-385342-7. *Compilation*

Integrable Systems. *Nakai Lectures on Mathematical Physics.* Proc. Lect., Nakai, P. R. China, August 1978. S. Xing-Chang, ed. World Scientific, Teaneck, N. J., 1990. 249 pp. \$48.00 hc ISBN 9971-50-856-7

Knots, Topology and Quantum Field Theories. *Proceedings of the John Hopkins Workshop on Current Problems in Particle Theory 13.* Proc. Wksp., Florence, Italy, June 1989. L. Lusanna, ed. World Scientific, Teaneck, N. J., 1989. 652 pp. \$75.00 hc ISBN 981-02-0126-5

Mathematical Analysis and Numerical Methods for Science and Technology, Vol. 1: Physical Origins and Classical Methods. R. Dautray, J. L. Lions. Springer-Verlag, New York, 1990. 695 pp. \$89.90 hc ISBN 0-387-50207-6

Modern Quantum Field Theory. Proc. Sch., Alushta, USSR, April-May 1989. A. A. Belavin, A. U. Klimyk, A. B. Zamolodchikov, eds. Springer-Verlag, New York, 1989. 157 pp. \$51.20 hc ISBN 0-387-51833-9

Momentum Distributions. Proc. Wksp., Argonne, Illinois, October 1988. R. N. Silver, P. E. Sokol, eds. Plenum, New York, 1989. 413 pp. \$89.50 hc ISBN 0-306-43364-8

Path Integrals from meV to MeV. Proc., Conf., Bangkok, January 1989. V. Sa-yakanit, W. Sritakool, J. O. Berananda, M. C. Gutzwiller, A. Inomata, S. Lundqvist, J. R. Klauder, L. Schulman, eds. World Scientific, Teaneck, N. J., 1989. 556 pp. \$68.00 hc ISBN 9971-50-935-0

The Penrose Transform: Its Interaction with Representation Theory. *Oxford Mathematical Monographs.* R. J. Baston, M. G. Eastwood. Oxford U.P., New York, 1989. 213 pp. \$47.50 hc ISBN 0-19-853565-1

Phase Transitions and Critical Phenomena, Vol. 13. C. Domb, J. L. Lebowitz, eds. Academic, San Diego, Calif., 1989. 304 pp. \$48.00 hc ISBN 0-12-220313-5. *Compilation*

The Physics of Vibration. Omnibus edition. A. B. Pippard. Cambridge U.P., New York, 1989. 639 pp. \$65.00 hc ISBN 0-521-37200-3

Quantum Field Theory and Critical Phenomena. *International Series of Monographs on Physics 77.* J. Zinn-Justin. Oxford U.P., New York, 1989. 914 pp. \$79.95 hc ISBN 0-19-851873-0

Quantum Mechanics II: A Second Course in Quantum Theory. R. H. Landau. Wiley, New York, 1990. 483 pp. \$49.95 hc ISBN 0-471-63727-0

Quantum Statistical Properties of Radiation. *Wiley Classics Library.* W. H. Louisell. Wiley, New York, 1990 [1973]. 528 pp. \$29.95 pb ISBN 0-471-52365-8

Seminar on Stochastic Processes, 1989. E. Cinlar, K. L. Chung, R. K. Gettoor, eds. Birkhäuser, Boston, 1990. 214 pp. \$35.00 hc ISBN 0-8176-3457-6. *Compilation*

Sequences: Combinatorics, Compression, Security, and Transmission. R. M. Capocelli, ed. Springer-Verlag, New York, 1990. 549 pp. \$49.50 hc ISBN 0-387-97186-6. *Compilation*

Signal Processing, Part I: Signal Processing Theory. *The IMA Volumes in Mathematics and its Applications 22.* L. Auslander, T. Kailath, S. Mitter, eds. Springer-Verlag, New York, 1990. 251 pp. \$29.00 hc ISBN 0-387-97215-3. *Compilation*

Special Functions. Z. X. Wang, D. R. Guo, eds. (translated from Chinese by D. R. Guo, X. J. Xia). World Scientific, Teaneck, N. J., 1989. 695 pp. \$75.00 hc ISBN 9971-50-659-9

Stochastic Integration and Differential Equations: A New Approach. *Applications of Mathematics 21.* P. Protter. Springer-Verlag, New York, 1990. 302 pp. \$49.00 hc ISBN 0-387-50996-8. *Monograph*

Topological Phases in Quantum Theory. Proc. Sem., Dubna, USSR, September 1988. B. Markovski, S. I. Vinitsky, eds. World Scientific, Teaneck, N. J., 1989. 455 pp. \$68.00 hc ISBN 9971-50-877-X

XVIIth International Colloquium on Group Theoretical Methods in Physics. Proc. Colloq., Sainte-Adele, Canada, June-July 1988. Y. Saint-Aubin, L. Vinet, eds. World Scientific, Teaneck, N. J., 1989. 766 pp. \$85.00 hc ISBN 9971-50-818-4

Texts and Popularizations

Atoms and Quanta. D. F. Jackson. Surrey U. P., London (US dist. Harcourt Brace Javanovich, New York), 1989. 215 pp. \$15.95 pb ISBN 0-12-379075-1

Basic Electronics for Scientists. Fifth edition. J. J. Brophy. McGraw Hill, New York 1990 [1966]. \$49.95 hc ISBN 0-07-008147-6

Boojums All the Way Through: Communicating Science in a Prosaic Age. N. D. Mermin. Cambridge U.P., New York, 1990. 309 pp. \$16.95 pb ISBN 0-521-38880-5

Breakout into Space: Mission for a Generation. G. H. Elias. William Morrow, New York, 1990. 213 pp. \$16.95 hc ISBN 0-688-07703-X

Dead Heat: The Race against the Greenhouse Effect. M. Oppenheimer, R. H. Boyle. Basic Books, New York, 1990. 268 pp. \$19.95 hc ISBN 0-465-09804-5

The Discovery of Subatomic Particles. S. Weinberg. W. H. Freeman and Company, New York, 1983. 206 pp. \$32.95 hc ISBN 0-7167-1488-4

Fallout: An American Nuclear Tragedy. P. L. Fradkin. Arizona U.P., Tucson, 1989. 300 pp. \$24.95 hc ISBN 0-8165-1086-5; \$14.95 pb ISBN 0-8165-1086-5

A Guide to Introductory Physics Teaching. A. B. Arons. Wiley, New York, 1990. 342 pp. \$39.85 hc ISBN 0-471-51341-5

High Temperature Superconductivity. *Graduate Texts in Contemporary Physics.* J. W. Lynn, ed. Springer-Verlag, New York, 1990. 443 pp. \$39.95 hc ISBN 0-387-96770-2. *Compilation*

A Journey into Gravity and Spacetime. J. A. Wheeler. W. H. Freeman and Company, New York 1990. 257 pp. \$32.95 hc ISBN 0-7167-5016-3

The Next One Hundred Years: Shaping the Fate of our Living Earth. J. Weiner. Bantam Books, New York, 1990. 312 pp. \$19.95 hc ISBN 0-553-05744-8

The Path of No Resistance: The Story of the Revolution in Superconductivity. B. Schechter. Touchstone Books, New York, 1990. 200 pp. \$8.95 pb ISBN 0-671-69599-1

Parallel Universe: The Search for Other Worlds. F. A. Wolf. Touchstone Books, New York, 1990. 351 pp. \$9.95 pb ISBN 0-671-69601-7

Particle Physics in the Cosmos. *Readings from Scientific American.* R. A. Carrigan, W. P. Trower. W. H. Freeman, New York, 1989. 228 pp. \$11.95 pb ISBN 0-7167-1919-3

The Physics of Baseball. R. K. Adair. Harper and Row, New York, 1990. 110 pp. \$16.95 hc ISBN 0-06-055188-7; \$7.95 pb ISBN 0-06-096461-8

The Quantum Self: Human Nature and Consciousness Defined by the New Physics. D. Zohar. William Morrow and Company, New York, 1990. 268 pp. \$18.95 hc ISBN 0-688-08780-9

Rainbows, Halos, and Glories. R. Greenler. Cambridge U.P., New York, 1989 [1980]. 195 pp. \$22.95 pb ISBN 0-521-38865-1

The Science of Sound. Second edition. T. D. Rossing. Addison-Wesley, Redwood City, Calif., 1990 [1981]. 686 pp. \$34.36 hc ISBN 0-201-15727-6

Universes. J. Leslie. Routledge, New York, 1990. 228 pp. \$25.00 hc ISBN 0-415-04144-9