

the facts about E.M.I. SHIELDING

Design information from Mag-Shield's
30 years experience in E.M.I. shielding.

IS THERE A QUICK WAY TO SOLVE A SHIELD DESIGN PROBLEM?

Use Mag-Shield's new lab kit to construct and evaluate an experimental shield. Each kit contains an ample supply of high saturation Netic material, high permeability Co-Netic material, double-adhesive shield construction tape, and an A.C. field evaluator probe...all for only \$99.50!



Here's everything you need to construct and evaluate prototype shield designs.

HOW DO I USE THE KIT MATERIALS?

Comprehensive instructions are furnished with every shielding lab kit. Complete information on magnetic shielding parameters, properties of Netic and Co-Netic shielding alloys, the elements of a basic shield, and examples of how to use the kit materials and magnetic pick-up probe are included.

WHAT ABOUT PRODUCTION RUNS BASED UPON MY EXPERI- MENTAL SHIELD?

Contact Mag-Shield before tooling is begun. Our many years experience in the design and manufacture of magnetic shields will provide important cost savings to you.

For further information, just circle the reader service number, or write Mag-Shield direct to receive a copy of brochure LK-101.

Circle No. 45 on Reader Service Card

MAGNETIC SHIELD DIVISION



Perfection Mica Company
740 Thomas Drive
Bensenville, Illinois 60106
(312) 766-7800 TWX (910) 256-4815

tioned volume and restricts itself to detailed discussion of selected topics. The book treats only laminar-flow problems, and there is no discussion of thermal velocity effects. Although the authors have attempted to present a balanced view by including in each chapter summaries of the neglected areas with many references to the literature, the newcomer to the field of space-charge optics is apt to be left with an erroneous impression of the accuracy of the laminar theory. In essence the book is representative of space-charge theory as it existed in the mid-1950's in the US. The reader is also somewhat handicapped by a poor translation into English.

The book treats the field equations, paraxial-ray equations and numerous focussing schemes in the more common coordinate systems in considerable detail and from that point of view serves as a good reference work. Moreover, the book contains almost 1900 references to the literature on both sides of the "iron curtain" and as such presents perhaps the most complete current guide to the Russian as well as the Western literature in space-charge optics.

KURT AMBOSS
Hughes Research Laboratories
Malibu, California

new books

Elementary Particles and Fields

Trends in Elementary Particle Theory. (Int. Summer Inst. on Theoretical Phys., Bonn 1974.) H. Rollnik, K. Dietz, eds. 472 pp. Springer Verlag, New York, 1975. \$16.00

Nuclei, Nuclear Physics

Nuclear Structure. W. F. Hornyak. 605 pp. Academic, New York, 1975. \$49.50

Super-Heavy/ Elements—Theoretical Predictions and Experimental Generation. (Proc. of the Twenty-Seventh Nobel Symp., Ronneby, Sweden, June 1974.) S. G. Nilsson, N. R. Nilsson, eds. 184 pp. Nobel Foundation, Stockholm, Sweden, 1974. Sw.Kr. 88.00 (Reprint of *Physica Scripta* 10A, 1974.)

Introduction to Experimental Nuclear Physics (Revised printing). R. M. Singru. 162 pp. Halsted, New York, 1975. \$6.95.

Atoms and Molecules

Quantum Theory of Scattering Processes. J. E. G. Farina. 130 pp. Pergamon, New York, 1975. \$17.50

Optical Methods of Radio-Frequency Spectroscopy. I. I. Agarbiceanu, I. M. Popescu. 310 pp. Wiley, New York, 1975. \$49.50

Atomic Physics, Vol. 4. (Proc. 4th Int.

AMPLIFIER- SCA



Model 512
\$425.00



- 0.8 usec Gaussian Shaping, Gain of 1024
- Integral or Window Operation
- Wide (100%) or Narrow (10%) Window Modes
- High Stability Bias/Baseline Restorer Circuits... Designed for High Resolution Spectroscopy

Mech-Tronics

NUCLEAR

430A Kay Ave., Addison, IL 60101

For more information
WRITE OR CALL COLLECT
(312) 543-9304

Circle No. 46 on Reader Service Card

PHYSICS TODAY / OCTOBER 1975

Now Compatible with
UF₆, HF, F₂

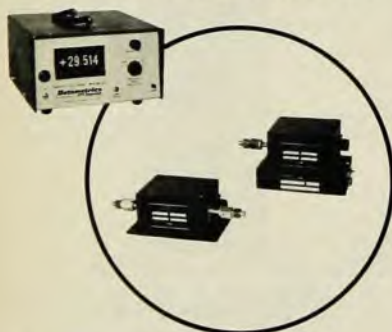
QUANTITATIVE VACUUM MEASUREMENTS

in the range of
10⁻⁵ to 5000 Torr.

With 10 to 100 times
better accuracy than
McLeod, Ionization
or Thermal
Conductivity Gages.

And calibration
accuracy independent
of gas composition.

With Type 1173
Electronic Manometer
and Barocel Sensor.



- Continuous direct reading.
- High level dc output signal.
- Sensors bakeable to 450°C.
- Digital outputs.
- Multi-Station inputs.

Applications include measurements of vapor pressure, cryogenic temperature, flow, surface area and adsorption in mass spectroscopy, fluid mechanics, leak testing, gas kinetics, freeze drying, vacuum metallurgy, and sputtering.

Datametrics offers a broad line of vacuum and pressure measurement systems for critical applications.

Write now for Bulletin 2005

Datametrics
A subsidiary of **ITE Imperial**
CORPORATION

340 FORDHAM ROAD, WILMINGTON, MASS. 01887
(617) 658-5410

Circle No. 47 on Reader Service Card

Conf. on Atomic Phys., Heidelberg, 1974.)
G. zu Putlitz, E. W. Weber, A. Winnacker,
eds. 780 pp. Plenum, New York, 1975.
\$59.50

**Advances in Electronics and Electron
Physics, Supplement 8: Charge Transfer
Devices.** C. H. Seqain, M. F. Tompsett,
eds. 309 pp. Academic, New York, 1975.
\$16.00

Chemical Physics

**Interfacial Electrochemistry: An Ex-
perimental Approach.** E. Gileadi, E. Ker-
owa-Eisner, J. Penciner. 525 pp. Addison-
Wesley, Massachusetts, 1975. \$19.50 hard-
cover, \$13.50 paperback.

The Excited State in Chemical Physics.
J. W. McGowan, ed. 492 pp. Wiley, New
York, 1975. \$25.50

**The Infrared Structure of Complex Mol-
ecules, 3rd Edition, Vol. 1.** L. J. Bellamy.
433 pp. Wiley, New York, 1975. \$24.00

Concepts of Inorganic Photochemistry.
A. W. Adamson, P. D. Fleischauer, eds. 439
pp. Wiley, New York, 1975. \$27.50 hard-
cover, \$22.50 paperback.

Macromolecules in Solution, 2nd ed.
Herbert Morawetz. 549 pp. Wiley, New
York, 1975. \$27.50

**The Theory of Rotating Diatomic Mol-
ecules.** M. Mizushima. 543 pp. Wiley,
New York, 1975. \$32.50

**Fast Processes in Radiation Chemistry
and Biology.** (Proc. of Fifth Int. Conf.,
University of Sussex, 10-14 Sept. 1973.) G.
E. Adams, E. M. Fielden, B. D. Michael, eds.
381 pp. Wiley, New York, 1975. \$33.00

Optics

Color in Business, Science, and Industry,
3rd ed. D. B. Judd, G. Wyszecki. 553 pp.
Wiley, New York, 1975. \$27.50

Collected Works. S. Pancharatnam. 326
pp. Oxford Univ. Press, New York, 1975.
\$28.00

**Introduction to Matrix Methods in Op-
tics.** A. Gerrard, J. M. Burch. 355 pp.
Wiley, New York, 1975. \$29.95

Quantum Electronics and Lasers

Quantum Electronics, 2nd ed. A. Yariv.
570 pp. Wiley, New York, 1975. \$20.95

Fluids and Plasmas

**Physics and Chemistry in Space, Vol. 8:
Plasma Instabilities and Nonlinear Ef-
fects.** J. G. Roederer, J. T. Wasson, eds.
Springer-Verlag, New York, 1975. \$31.40

Electricity and Magnetism

**The Pseudo-Spin Method in Magnetism
and Ferroelectricity.** L. Novakovic. 202
pp. Pergamon, New York, 1975. \$17.50

Materials and Solid State

Advances in Solid State Physics. (Lec-
tures from German Physical Society meet-
ing, Freudenstadt, April 1974.) H. J. Queis-
ser, ed. 310 pp. Pergamon, New York,
1974. \$33.75

Fracture of Brittle Solids. B. R. Lawn, T.
R. Wilshaw. 204 pp. Cambridge Univ.

FREE HANDBOOK



Want to solve your micropositioning problems the easy way? Our new 24 page handbook shows you how to stack our versatile PARA-MOUNT™ modules to create 654 different micropositioners. Send for your copy today.

ardelkinamatic
125-20 18th Ave., College Point, N.Y. 11356
(212) 353-3600

Booth #36 Optics Show

Circle No. 48 on Reader Service Card

Senior Fluid Dynamicists, Physical Chemists and Physicists

Applications are invited from Ph.D. Scientists with fluid dynamics, physical chemistry or physics backgrounds to join a recognized and multi-disciplined staff in solving complex and challenging problems for government and industry.

We are currently seeking applicants with relevant technical and marketing experience to expand our capabilities and interests in combustion, lasers, atmospheric interactions and contiguous areas. Applicants should be self-motivated and perform successfully in an informal, growth-oriented and highly stimulating environment. We offer salaries commensurate with experience, excellent fringe benefits, congenial atmosphere, and an opportunity to demonstrate entrepreneurial and management skills.

Please forward resume to request for further information to:

Dr. Morton Camac, President

aerodyne research, inc.

af

20 South Avenue
Burlington, Mass. 01803

an equal opportunity employer

Circle No. 49 on Reader Service Card

WITH OUR CATALOG
YOU MAY NOT NEED
A CUSTOM

CAPACITOR

AND THE CATALOG
IS YOURS
FOR THE ASKING



Picture a complete concise composite catalog of over 800 off-the-shelf capacitors, over 1200 variations including some weird and unusual units.

If what you need isn't there, then drop us a line, or give us a call, we'll custom design a capacitor for your circuit, and in most cases there is no charge for customizing. But check the catalog first, what you need may be there and ready for immediate shipment.

TO GET YOUR CATALOG,
JUST DROP US A LINE.

condenser
products
corporation



Box 997, Brooksville, Florida 33512
Phone (904) 796-3562

Circle No. 50 on Reader Service Card

Hi-power!



Lab Pulse Generator puts out over 30Kw!

Cober's new 31Kw pulse generator drives plasma tubes, pulses lasers and flash lamps, triggers optic modulators, does non-destructive testing and nuclear research where Big Power is needed. Model 606 puts out 2500V @ 12.5A (or other voltage, current combinations), with 50ns-10ms pulse widths, rep rates from 1 shot-1MHz, and only 20ns rise time... all with POS/NEG polarity. Off-the-shelf delivery and 20 years of Hi-power experience too. Write or phone today for all facts and prices.

Cober
electronics, inc.

"THE HIGH POWER PEOPLE"

7 Gleason Avenue, Stamford, CT 06902
Phone: (203) 327-0003 TWX: 710-474-3371

Circle No. 51 on Reader Service Card

Press, New York, 1975. \$22.00 hardcover, \$10.95 paperback.

Group Theory in Solid-State Physics. A. P. Cracknell. 204 pp. Wiley, New York, 1975. \$14.50

Deformation of Ceramic Materials. (Proc. of Symp. on Plastic Deformation of Ceramic Materials, Penn. State Univ., 1974.) R. C. Bradt, R. E. Tressler, eds. 577 pp. Plenum, New York, 1975. \$45.00

Physics of Thin Films, Vol. 8. G. Hass, M. H. Francombe, R. W. Hoffman, eds. 341 pp. Academic, New York, 1975. \$36.00

Polaritons. (Proc. of the first Taormina Research Conf. on the Structure of Matter, Taormina, Italy, Oct. 1972.) E. Burstein, F. De Martini, eds. 389 pp. Pergamon, New York, 1975. \$20.00

Low Temperature

Superfluidity and Superconductivity. D. R. Tilley, J. Tilley. 262 pp. Wiley, New York, 1975. \$27.50

Astronomy, Space Physics

Man and Cosmos. (Nine Guggenheim Lectures on the Solar System, Smithsonian Inst.) J. Cornell, N. Hayes, eds. 192 pp. Norton, New York, 1975. \$8.95

Problems in Stellar Atmospheres and Envelopes. B. Baschek, W. H. Kegel, G. Traving, eds. 375 pp. Springer-Verlag, New York, 1975. \$20.70

New Frontiers in Astronomy. (Readings from *Scientific American*.) 369 pp. W. H. Freeman, San Francisco, 1975. \$13.00 hardcover, \$7.50 paperback.

Energy

Advanced Reactors: Physics, Design and Economics. (Proc. Int. Conf., held at Atlanta, Georgia, September 1974.) J. M. Kallfelz, R. A. Karam, eds. 843 pp. Pergamon, New York, 1975. \$30.00

Thermodynamics and National Energy Problems (Conf. Proc. Warrenton, Va., June 1974.) 423 pp. National Academy of Sciences, Washington, D.C., 1975. \$11.25 paper, \$2.25 microfiche

The Energy Conservation Papers. R. H. Williams, ed. 377 pp. Ballinger, Cambridge, Mass., 1975. \$17.50 hardcover, \$8.95 paperback

Energy Research and Development. J. H. Hollomon, M. Grenon. 264 pp. Ballinger, Cambridge, Mass., 1975. \$13.50 hardcover, \$4.95 paperback

New Energy Technologies for Buildings. R. Schoen, A. Hirshberg, J. Weingart. 217 pp. Ballinger, Cambridge, Mass., 1975. \$12.00 hardcover, \$3.95 paperback

Geophysics

The Viscosity of the Earth's Mantle. L. M. Cathles III. 386 pp. Princeton, Univ. Press, New Jersey, 1975. \$25.00

Theory and Mathematical Physics

Applied Analytical Mathematics for Physical Scientists. J. T. Cushing. 651 pp. Wiley, New York, 1975. \$19.95

Classical and Modern Mechanics. J. H.

MORE THAN JUST A SLIP OF PAPER!



It's a full one-year guarantee on the materials and workmanship involved in every dewar that leaves our plant.

We offer this guarantee with a confidence born of success... success in engineering design and technical fabrication that, we think, has produced products second to none. And we're talking about original, modified and established designs. These dewars and complete systems work... all of them.

Cryogenic Associates is noted for creating products from the simplest to the most complex... from LN₂ dewars to superconducting magnet systems. Our happy customers are legion... researchers, physicists, biologists, engineers and others. They keep coming back for more.

Why not join them? And relax in the knowledge that the products you receive will give the quality performance you demand. They're guaranteed.



**CRYOGENIC
ASSOCIATES**

"... for the finest
in Cryogenic Systems"

1718 North Luett Avenue
Indianapolis, Indiana 46222
Phone: (317) 632-2515

Catalog Available On Request

Circle No. 52 on Reader Service Card

FOUR NEW RUSSIAN JOURNALS

IN ENGLISH TRANSLATION

SOVIET JOURNAL OF LOW TEMPERATURE PHYSICS

(Fizika Nizkikh Temperatur)

Published by the Ukrainian Academy of Sciences and including contributions from all republics of the union, this new journal presents experimental and theoretical work relating to investigations of physical phenomena at low temperatures, mainly in liquid helium regions. Main topics treated are superconductivity, low temperature magnetism, crystal lattice dynamics at low temperatures, quantum liquids and crystals, electronic properties of normal metals at low temperatures, and phase transitions. Each issue of SOVIET JOURNAL OF LOW TEMPERATURE PHYSICS is divided into reviews on the most current problems, articles on experimental results, and a section of brief communications.

Monthly/Domestic \$245.00; Foreign \$248.00

SOVIET TECHNICAL PHYSICS LETTERS

(Pis'my v Zhurnal Tekhnicheskoi Fiziki)

A new letters journal published to meet the need for quick communication of developments in theoretical and experimental work in all fields with probable technical applications. The articles in SOVIET TECHNICAL PHYSICS LETTERS provide, in 1,000 words or less, an overview of all new results and previews of many of the detailed expositions that will eventually be presented in its sister journal SOVIET PHYSICS—TECHNICAL PHYSICS. The new, quick communication journal is an essential complement to the full-size journal, and an excellent representation of the work in the field for those without a subscription to the other journal.

Monthly/Domestic \$185.00; Foreign \$188.00

Special discount of \$46.00 extended to new and existing subscribers to the regular SOVIET PHYSICS—TECHNICAL PHYSICS who order this new journal by December 31, 1975.

Detailed brochure, complete with sample tables of contents for each journal, available upon request. Subscriptions are accepted for one-year terms only, and begin with Volume I, Number 1, regardless of when they are ordered. Optional air freight service is available to Europe and Asia.

SOVIET JOURNAL OF PLASMA PHYSICS

(Fizika Plazmy)

A completely new scientific journal emphasizing publication of original articles that report the final results of research in the physics of hot plasmas. The SOVIET JOURNAL OF PLASMA PHYSICS also publishes articles in this field that are of general interest. While specific technological aspects of applications and purely engineering problems are not covered, the journal does include in its scope applications of controlled thermonuclear fusion. Regular departments rounding out each issue are "Brief Communications" of new ideas, research notes, and descriptions of methods and apparatus; reports on the activities of scientific councils; summaries of national and international conferences; and book reviews.

Bimonthly (six issues)/Domestic \$145.00; Foreign \$148.00

SOVIET ASTRONOMY LETTERS

(Pis'ma v Astronomicheskii Zhurnal)

Another new, quick communication journal whose aim is to provide fast publication of recently obtained experimental results. The scope includes astrophysics, celestial mechanics, astrometry, ground-based and extra-atmospheric observations at wavelengths in all parts of the electromagnetic spectrum and in all corpuscular-radiation energy ranges, and investigations of astronomical objects from space. Papers based on observations and experiments, as well as those of a theoretical character, are published. SOVIET ASTRONOMY LETTERS provides an overview of the field and, for subscribers to its sister journal SOVIET ASTRONOMY and other specialized regular journals, a preview of detailed expositions to come.

Bimonthly (six issues)/Domestic \$110.00; Foreign \$113.00

Special discount of \$28.00 extended to new and existing subscribers to the regular SOVIET ASTRONOMY who order this new journal by December 31, 1975.

Keep your library current by recommending purchase of the
journals appropriate to your work.



AMERICAN INSTITUTE OF PHYSICS

335 East 45 Street, New York, N.Y. 10017



This brochure can take the gamble out of choosing a statistics calculator.

Whether you're doing basic statistics or complex data analysis, this 12-page guide will show you exciting new approaches...new alternatives. It starts with a powerful computing calculator that fits in your pocket and lets you do data analysis anywhere—at any time. The brochure then shows you desktop programmable calculators that can quickly solve statistical problems that would otherwise be done on a large mainframe computer. When you compare the capabilities of HP's computing calculators you'll see what a

dramatic difference they can make in the efficiency and accuracy of your statistical problem solving.

Whatever your discipline, research, chemistry, agriculture, economics, plant management...HP has a statistics calculator that can probably give you faster solutions at lower cost. But judge for yourself. Send for our free guide and see if an HP statistics calculator isn't your best bet.



Sales and service from 172 offices in 65 countries.
P.O. Box 301, Loveland, Colorado 80537

Please send me your free guide to statistics calculators:
"Are you drawing the right conclusions?"

Name _____ Title _____

Company _____

Address _____

City _____ State _____

Zip _____ Phone _____

HP-Calc. Inq., P.O. Box 301, Loveland, Colorado 80537

819G

CLEOS

May 25-27, 1976

San Diego, Ca.

The first Conference on Lasers and Electro-Optical Systems (CLEOS) will be held at the Town and Country Hotel in San Diego, May 25-27, 1976, under the joint sponsorship of the Quantum Electronics Council of the Institute of Electrical and Electronic Engineers (IEEE) and the Technical Council of the Optical Society of America (OSA).

CLEOS aims to provide a professional technical forum for the presentation of engineering and manufacturing developments in the fields of lasers, laser applications, electro-optic devices, electro-optic systems, and the manufacturing and design techniques that have made these systems possible.

Original papers are solicited that describe new technical contributions to such areas as:

- laser engineering manufacturing
- measurement & alignment systems
- opto-mechanical subsystems
- scanning systems
- optical signal & data processing systems
- optical display systems
- e-o component technology
- space & military e-o systems
- laser fusion & laser isotope separation systems
- optical communication systems
- medical e-o systems
- e-o systems for production of microelectronics
- pollution-monitoring systems
- consumer e-o systems
- imaging & surveillance subsystems
- ranging & designation subsystems
- adaptive optical techniques

An exhibit of instruments, components, materials and systems relating to the above subject areas will be a feature of the Conference.

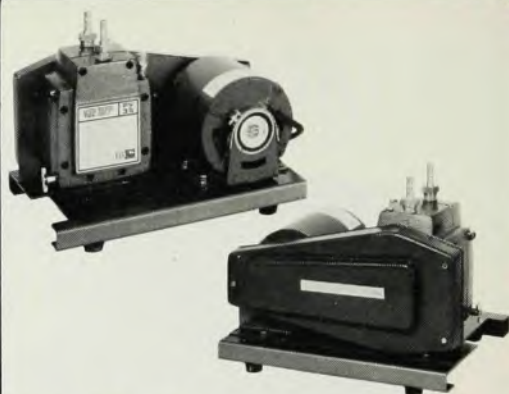
For general information on the conference, circle #75 on the reader service card

For information on submitting papers, circle #76 on the reader service card.

Prospective exhibitors should circle #77 to receive exhibit brochure

American Institute of Physics
335 East 45th Street
New York, N.Y. 10017
(212) 685-1940

GCA/PRECISION SCIENTIFIC



VacTorr® Vacuum Pumps are Quick and Quiet.

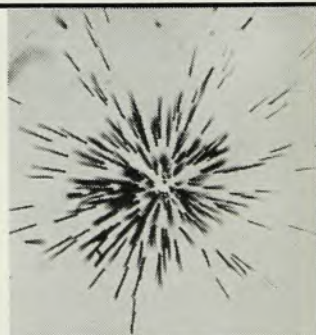
Noted for quick pump-down and quiet operation, VacTorr pumps now have factory-installed belt guards as standard equipment, completely enclosing all external moving parts of the pump and motor. Nine pump sizes, from 0.88 to 53 cfm, guaranteed ultimate vacuum as low as 0.1 micron of mercury (1×10^{-4} Torr). No oil back-up, standard gas ballast, lightweight, compact and easier to work with because interchangeable intake coupling accepts any type of vacuum line.

Ask your GCA/Precision Scientific Dealer or write us. GCA/Precision Scientific, 3737 W. Cortland St., Chicago, IL 60647. Sales offices in principal cities.

Circle No. 55 on Reader Service Card

Nuclear Tracks in Solids

Principles and Applications



Robert L. Fleischer, P. Buford Price and Robert M. Walker

This is an authoritative account of the principles and applications of the track-etch method, written by the three physicists who discovered it and pioneered in its use. Part I discusses mechanisms of track formation in solids and methods of track-etching. Part II describes the fission-track method of geologic dating and the use of track-etch techniques to study modern and ancient energetic particles in space and the evolution of the lunar surface and meteorites. Part III discusses applications of track-etching in diverse areas.

640 pages, 48 plates, 131 drawings,
49 tables, \$30.00

At bookstores

University of California Press Berkeley 94720

Circle No. 56 on Reader Service Card

Bartlett. 471 pp. Univ. of Alabama Press, Alabama, 1975. \$15.00 hardcover, \$6.50 paperback.

Group Theory and its Applications, Vol. 3. E. M. Loebl, ed. 480 pp. Academic, New York, 1975. \$49.50

L'Univers Objectif—Théorie Unitaire. J. Loiseau. 286 pp. Editions Chiron, Paris, 1975.

Instrumentation and Techniques

Photoresist: Materials and Processes. W. S. DeForest. 269 pp. McGraw-Hill, New York, 1975. \$16.50

Methods of Experimental Physics, Vol. 2: Electronic Methods, 2nd ed. E. Bleuer, R. O. Haxby, eds. 438 pp. Academic, New York, 1975. \$34.00

Methods in Computational Physics, Vol. 14: Radio Astronomy. B. Alder, S. Fernbach, M. Rothenberg, eds. 239 pp. Academic, New York, 1975. \$26.50

Principles and Techniques of Scanning Electron Microscopy. M. A. Hayat, ed. 226 pp. Van Nostrand Reinhold, New York, 1975. \$22.50

Heat, Thermodynamics, Statistical Physics

Théorie Cinétique des Gaz à Répartition Discrète de Vitesses. R. Gatignol. 219 pp. Springer-Verlag, New York, 1975. \$9.90

Hydrodynamic Fluctuations, Broken Symmetry, and Correlation Functions. D. Forster. 326 pp. W. A. Benjamin, Reading, Mass., 1975. \$19.50 hardcover, \$13.50 paperback.

Introduction au Groupe de Renormalisation et à ses Applications. G. Toulouse, P. Pfeuty. 278 pp. Presses Universitaires de Grenoble, Paris-Orsay, 1975. \$18.00

History and Philosophy

Greenwich Observatory, Vol. 1: Origins and Early History. E. G. Forbes. 204 pp. Vol. 2: Recent History. A. J. Meadows, 135 pp. Vol. 3: The Buildings and Instruments. D. Howse, 178 pp. Scribner's, New York, 1975. \$60.00 per set.

Antoine-Laurent Lavoisier. H. Guerlac. 174 pp. Scribner's, New York, 1975. \$7.95 hardcover, \$2.95 paperback

All in Our Time: The Reminiscences of Twelve Nuclear Physicists. J. Wilson, ed. 236 pp. Bulletin of the Atomic Scientists, Chicago, Ill., 1975. \$3.45

Radioactivity and Atomic Theory (Annual Progress Reports on Radioactivity 1904-1920 to the Chemical Society by F. Soddy, F.R.S.). T. J. Trenn, ed. 517 pp. Wiley, New York, 1975. \$35.00

Society and Government

Brain Bank of America. P. Boffey. 312 pp. McGraw-Hill, New York, 1975. \$10.95

Miscellaneous

Comprehending Technical Japanese. E. E. Daub, R. B. Bird, N. Inoue. 437 pp. Univ. of Wisconsin Press, Tokyo, Japan, 1975. \$15.00

OPTICAL INTERFERENCE FILTERS

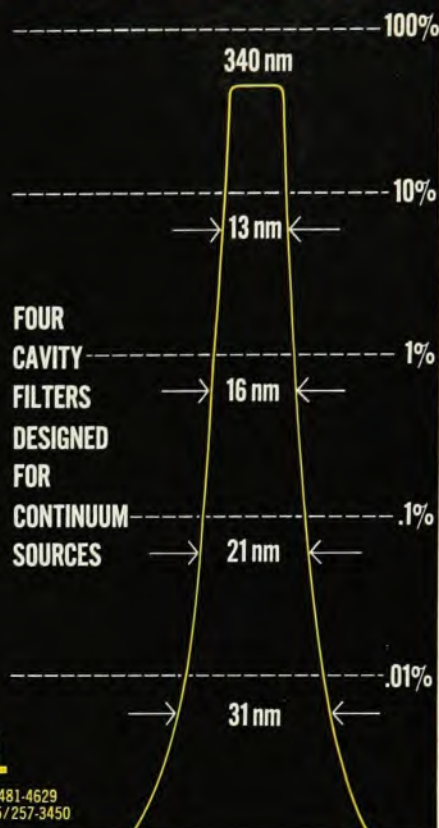
as good as your application

d/o filters are being used in OEM enzyme analyzers, providing accurate kinetics to beyond 2 absorbance units — as good as the chemistry. They are being used for atomic line isolation, rejecting interfering lines by factors of 10^4 to 10^5 . d/o filters are used in biomedical instruments, lasers, missiles, astronomy, microscopy, point-of-sale systems, and many other applications. Major OEM's have turned to d/o for their needs, for quality, delivery, and price. Whatever your application, let us help you make it perform to your expectations. Call us, take advantage of our experience. ☐ Filters range from 250 to 10,000 nm, in sizes from smaller than .5" to larger than 10", with prices as low as \$3.00 for small filters in large quantities.



DITRIC OPTICS INC.

247 Maple Street • Marlboro, Ma. 01752 • 617/481-4629
28059 Ave. Stanford • Valencia, Ca. 91355 • 805/257-3450



Booth #20 Optics Show

Circle No. 57 on Reader Service Card

THE EQUATION WAS WORTH A NOBEL PRIZE.

FOR \$4.50 WE INCLUDE THE SHIRT.

Schrodinger's Equation on a washable navy blue T-shirt. Sizes S (tiny tots up), M (undergraduate through Ph.D.), L (Post Docs), XL (Research Directors).

| OUTER > < PRODUCTS | Box 88

Lafayette Hill, Pa. 19444



Please include .50¢ pst and hgd. (Foreign orders, money order only.) Circle reader card or write for catalogue.

Circle No. 58 on Reader Service Card

Introducing NEW

AVALANCHE PHOTODETECTOR AMPLIFIER

Fiber Optic or Atmospheric To 1.1 μm —50 MHz



Also, for your IR and Laser Research:

INFRARED VIEWERS

For your Silicon, GaAs wafers and ICs Analysis:



INFRARED MICROSCOPE VIEWERS

For your Astronomical or Terrestrial Night Studies:

INTENSIFIER VIEWERS

Our designs exhibit highest resolution, brightness and sensitivity, standard interchangeable lenses (high speed and variable aperture), standard 9 V batteries, extended warranties, moderate price.

ELECTROPHYSICS CORPORATION

48 Spruce Street, Nutley, N. J. 07110

Telephone 201-667-2262

Circle No. 59 on Reader Service Card