Low Profile
High Performance

No bench space? Limited floor space? Beckman has the answer. The new GPK and refrigerated GPKR floor model centrifuges are compact enough to fit under most lab benches and light enough to roll from lab to lab, yet they outperform much larger units.

With the three liter GH-3.7 horizontal rotor they reach 3700 rpm/3200 g. Fixed angle rotors offer 6400 rpm/5442 g. And an exclusive disk brake system gently decelerates a fully loaded GH-3.7 in under two minutes.

They are the only compact centrifuges that spin 250-mL conical-tip bottles. They also handle 750-mL bottles and virtually every popular-size tube including as many as 148 RIA tubes, 104 1.5-mL microcentrifuge tubes, 28 50-mL round-bottom tubes.

There's even more versatility with microplate carriers that are interchangeable with the buckets of the GH-3.7 rotor and Aerosolve® cannisters designed for biocontainment.

All at a low-profile price! The GPK and GPKR: today's best value in floor model centrifuges.

Contact Beckman Instruments, Inc., Spinco Division, 1050 Page Mill Road, Palo Alto, CA 94304. (1-800-742-2345). Offices worldwide.

© 1988 Beckman Instruments, Inc.
KIRK-OTHMER ENCYCLOPEDIA OF CHEMICAL TECHNOLOGY 3RD ED.
ISBN# 0-471-80104-6
Editorial Board: Herman F. Mark, Polytechnic Institute of New York; Donald F. Othmer, Polytechnic Institute of New York; Charles G. Overberger, University of Michigan; and Glenn T. Seaborg, University of California, Berkeley
The 3RD ED. of the "bible" of chemical technology is now available in 26 volumes, including Index and Supplement.
Complete 26-Volume Set: $4,650.00
Price per volume purchased separately: $200.00
ORDER NO. CH-4000

POLYMERS: AN ENCYCLOPEDIC SOURCEBOOK OF ENGINEERING PROPERTIES
ISBN# 0-471-80104-6
WILEY
AUTHOR Jacqueline I. Kroschwitz
ORDER NO. GE-0501 $67.95

QUALITY CONTROL HANDBOOK 4TH ED.
ISBN# 0-471-80104-9
McGRAW-HILL
J. M. Jurua, Editor-in-Chief; F. M. Gryna, Jr. and R. S. Bingham, Jr., Associate Editors
ORDER NO. GE-0142 $79.50

AMERICAN ELECTRICIANS' HANDBOOK 11TH ED.
ISBN# 0-07-013932-6
MCGRAW-HILL
EDITED BY TERRY W. CROFT AND WILFORD I. SUMMERS
ORDER NO. EE-0682 $64.50

INSTRUMENTATION REFERENCE BOOK
ISBN# 0-408-01562-4
McGRAW-HILL
AUTHOR B. E. Noltingk
ORDER NO. GE-0500 $220.00

MARKS' STANDARD HANDBOOK FOR MECHANICAL ENGINEERS 9TH ED.
ISBN# 0-07-013933-4
MCGRAW-HILL
Eugene Avallance and Theodore Baumeister, Editors-in-Chief
ORDER NO. ME-0301 $92.00

PRINCIPLES AND METHODS OF TEMPERATURE MEASUREMENT
ISBN# 01-627674
WILEY
AUTHOR Thomas D. McGee
ORDER NO. ME-0750 $54.95

There is never a shipping or handling charge on prepaid orders. Checks payable to Omega Press.
Circle No. 35 on Readers' Service Card
Is protein chemistry an art or a science?

The art of protein chemistry is the experimental design. The science is the correct interpretation of results. Just as the protein chemist integrates art with science, Applied Biosystems integrates chemistry and instrument design with application expertise to become partners with you in developing solutions to your problems.

The complexity of the protein molecule poses a unique analytical challenge. Applied Biosystems' broad product portfolio—sequencers, synthesizers, amino acid analyzers, HPLC, high performance electrophoresis, capillary electrophoresis—represents a few of the techniques needed for structural elucidation. Leading-edge instrumentation must be combined with clear insight and intuition to be successful.

Breakthroughs in protein chemistry derive from intuition and systematic analyses. Applied Biosystems recognizes this. We invite you, our partners in research, to share your viewpoint. Contact us today.

U.S.A. 850 Lincoln Centre Drive, Foster City, CA 94404. Tel: (415) 570-6067. (800) 974-9968. in California (800) 851-5562 Telex: 470052 APBIO U.T Fax: (415) 573-2745.
Mississauga, Canada. Tel: (416) 821-9217. Fax: (416) 821-9218.
Weinheim, West Germany. Tel: 061-01-87940. Telex: 4177338 Z ABI D. Fax: 061-91-8499.
Paris, France. Tel: (1) 48 03 24 44. Telex: 230458 ABIF. Fax: (1) 48 03 22 82.
Milan, Italy. Tel: 02-833-4923. Fax: 02-832-1653.
Rotterdam, The Netherlands. Tel: (0) 10 492 95 11. Telex: 20249. Fax: (0) 10 492 91 57.
Burwood, Australia. Tel: (03) 288-7777. Fax: (03) 887-1499.
Tokyo, Japan. Tel: (03) 699-0700. Fax: (03) 699-0735.

For information circle reader service number 245
For sales call circle reader service number 246
Gilson fraction collectors have always been reliable. Our newest offers 98% problem-free performance.

Whether you need simple or sophisticated collection techniques, the one thing you need is a collector that performs day-in and day-out. Without jamming. Without breaking down. That's the kind of reliability built into every Gilson fraction collector...from the very first in 1957 to the very latest introduced in 1986.

Stationary rack system is one of our secrets to problem-free performance.

Many collectors have rotating carousel racks. Some of our earliest models did, too. But we soon recognized the advantages of a stationary rack. With fewer moving parts, the chance of mechanical problems is greatly reduced. The FC 203, since its introduction three years ago, has achieved a problem-free performance record of 98%. The stationary rack system is just one of the reasons why.

Built for long-term use... inside and out.

To assure optimal performance over time, internal drive components are designed for long-term use—even in the cold room. Critical components are metal, rather than plastic, for long-lasting operation.

And, the exteriors of Gilson fraction collectors are durable, too. For example, the FC 203 features a chemically-resistant molded case and keypad to protect the unit inside and out from spills.

Day-in and day-out convenience, too.

We also build Gilson fraction collectors for easy installation and use. It starts with compact design. The 202 has the largest capacity of any collector—540 tubes. Yet, it measures only 20 inches wide by 17 inches deep. And the FC 203 takes up only about a square foot of bench space.

Gilson fraction collectors can be used with any HPLC or LC system—ours or other manufacturers'. And three of the collectors can control peripherals such as pumps and chart recorders.

Choose from five different models:

FC 80 and FC100 micro-fractionators: Proven performers for simple time and drop collection. Many of these units have been in use for more than 15 years. Racks hold 80 or 100 tubes.

FC 203: Collects fractions by time or drop for simple analyses; peak and time windows enable more sophisticated applications. An affordable multi-mode unit capable of collecting up to 128 fractions.

201 and 202: With 15 operating modes, 15 rack options and capacities up to 540 tubes, no other fraction collector does more or handles more.

Contact us for free literature today.

To learn more about Gilson fraction collectors and how they outperform others, simply mark the reader service number below. Or call us toll-free in the U.S. at 800-445-7667.

(In Wisconsin, call 608-836-1551.)

Gilson Medical Electronics, Inc., Box 27, 3000 W. Beltline Hwy., Middleton, WI 53562 USA. Tel: 608-836-1551, TLX: 26-1447, FAX: 608-831-4451

Gilson Medical Electronics (France) S.A., 72 rue Gambetta, B.P. No. 45, 95400, Villiers-le-bel, France. Tel: (1)34.29.50.00, TLX: 606682, FAX (1) 3994.51.83

Circle No. 198 on Readers' Service Card
Three ways to give yourself more time for research:

**Keep track of your budgets with Grant Manager.**

A no-nonsense accounting and ordering system for investigators and departments. Type orders into your computer and let Grant Manager print them on your university's order form. To make future ordering even faster, the program records your orders in vendor catalogs. Reorder with a press of the key!

Meanwhile, Grant Manager is tracking your account balances so that you know what's left to spend at any time - not just once a month.


**Project salary costs with Personnel Manager.**

Working out the charging of people's salaries to your grants can be quite a puzzle. Salaries go up. People come and go. Grants have different time frames. You want to spend your grants, but not overspend.

Personnel Manager helps you solve this puzzle. It keeps a salary database, and enables you to play "what-if" so that you can quickly find the optimal allocation of people to grants over time. Works with Grant Manager.


**Add bibliographic power to your word processor with EndNote.**

Still typing bibliographies on your Macintosh? EndNote will do them for you.

You can store up to 32,000 references in EndNote's database. There's plenty of room for information. For example: up to 32,000 characters of abstracts for each reference! Searching is simple and extremely fast.

EndNote works with Microsoft Word, WriteNow, WordPerfect and MacWrite. Use the disk accessory to access the database while you write. Copy citations like [Smith, 1986] from your database and paste them into your text. When you finish writing, select a bibliographic style, and EndNote does the rest: It scans the paper, finds the citations you pasted, and adds a perfectly formatted bibliography to the end of your paper. It even replaces the in-text citations with numbers or (author, date).

For Macintosh 512KE, Plus, SE, II or Ix. $129. Demo - $5.

---

**EndNote**

A reference database and bibliography maker

**Personnel Manager**

The researcher's accountant

**Grant Manager**

A salary database and cost control program

---

Niles & Associates
2200 Powell, Suite 765
Emeryville, CA 94608
(415) 655-6666


For Grant Manager or Personnel Manager circle no. 16 on readers' service card. For EndNote circle no. 17 on readers' service card.
Lab Products revolutionizes metabolic caging.

Now say goodbye to poor separation and frustrating cage complexity.

The Product
- remarkable 99% efficiency in the separation of feces and urine*
- 15 completely integrated parts that assemble quickly and easily
- same unit can accommodate other species...only feeders and floor differ
- meets ILAR requirements
- collected waste can be removed from below cage floor without stressing the animal. All separation component parts are accessible from below cage floor
- disposable styrene "separator" for toxic or radioactive studies. All other components are autoclavable polycarbonate or stainless steel...no glass handling

How to order this system
Call Customer Service people at 800-526-0469 today and convince yourself that this is the finest metabolism cage ever designed.

*This metabolic system does indeed yield remarkable results if, but only if, meticulous attention is paid to both its assembly and operation. Accordingly, we've prepared explicit instructions that will help ensure optimal system functioning. In addition, customers in the U.S. will be contacted by a technical sales representative to provide further consultation as required.

Circle No. 73 on Readers' Service Card

Lab Products Inc
255 West Spring Valley Avenue
Maywood, New Jersey 07607

Copyright © BioMedic Corporation, 1986
Patent applied for. Printed in U.S.A.
Take Control of the Growth Curve

With Performance-Tested Growth Factors from GIBCO

The true test of a growth factor lies in the consistent response of your cells in culture. That's why you should always demand the assurance of qualified growth factors. GIBCO's performance-tested growth factors eliminate uncertainties and elicit the consistent biological response you need.

We analyze each factor biochemically, so you know you're getting the right molecules at the right concentration and purity. Our controlled biological assays assure you that every factor will provide its intended growth-promoting activity.

The result is a product that you know will perform, time after time. And when your cells respond this consistently, you can move ahead with confidence.

GIBCO consistency. The factor you can always count on.

GIBCO's expanding selection of growth factors includes natural, human-recombinant and murine-recombinant proteins. To find out more, call or write today for your free Guide to Growth Factors for Cell Culture.

GIBCO
Life Technologies, Inc.
3175 Staley Road
Grand Island New York 14072 U.S.A.
To order: (800) 828-6686

GIBCO/BRL Canada
Life Technologies, Inc.
2270 Industrial Street, Burlington, Ontario
Canada L7P 1A1,
To order/Tech-Line™: (416) 335-2255
Circle No. 233 on Readers' Service Card

GIBCO Ltd.
Life Technologies, Inc.
PO. Box 35, Trident House
Renfrew Road, Paisley PA3 4EF, Scotland
To order/Tech-Line™: 041 889 6100

These products are for research use only.
They are not intended for any human or animal diagnostic or therapeutic use.
Put Computers In Their Place

Personal computers are ideal for liquid scintillation data storage, manipulation and graphing... but what about controlling your liquid scintillation system? LS Systems are durable and last 10 to 20 years. Personal computers and software change rapidly. That's why Beckman LS systems allow you the freedom to change your data analysis system and software whenever you need.

Our LS systems give you accurate DPM for up to three isotopes simultaneously. And our library of personal computer software includes one or two-site receptor analysis, radioimmunoassays, data graphing, Lotus* and dBASE** capabilities, reference management, and more.

For accurate data and up-to-date analyses use the Beckman "Counter" Solution.

*Lotus is a trademark of Lotus Development Corporation.
**dBASE is a trademark of Ashton-Tate.
©1989 Beckman Instruments, Inc.
The new METTLER AT Analytical Balance was developed around a remarkable discovery: People only have two hands.

For years people with two hands have had to operate balances designed for three. Introducing the METTLER AT. The first analytical balance that's simple to handle.

One hand is now free to open the draft shield from the opposite side. So you don't have to twist both arms to work on the same side. Or you can let the draft shields open and close automatically. Which leaves your hands free to move your samples instead of doors.

You have a choice of configuring the draft shield so you can put your sample on from the left, the right, or even from above.

The weighing pan is close to the edge of the weighing chamber. Which for the first time allows your hand to get close to the pan.

To find out more, call us. We'd be happy to give you a hand.

METTLER Instrument Corporation
Box 71, Hightstown, N.J. 08520
Phone 1-800-METTLER
in New Jersey 609-448-3000
Circle No. 210 on Readers' Service Card
A new technique can give you a new way of obtaining experimental results. Or, a faster and easier way of handling routine preparative procedures. DYNABEADS can give you advantages for both new and routine bioseparation applications.

The simple, reliable, immunomagnetic DYNABEADS separation is very fast. Binding and specific rosetting of cells, microorganisms, or organelles, with subsequent magnetic separation, can be accomplished in the same test tube. When you combine the speed of magnetic separation with the specificity of monoclonal antibody-coated DYNABEADS you have a new and powerful research tool.

DYNABEADS have been used in many biotechnology applications: immunology, transplantation, cancer research, microbiology, virology, and pathology.

If your work calls for bioseparations, call for DYNABEADS to speed up and simplify your research work.
Frontiers in Basic Sciences That Relate to Heart, Lung, and Blood Diseases Symposium:

Biology of Tissue Transplantation

June 8-9, 1989
Masur Auditorium
National Institutes of Health
Bethesda, Maryland

Sponsored by The National Heart, Lung, and Blood Institute and The Cystic Fibrosis Foundation

The symposium is the twelfth in the series of "Frontiers in Basic Sciences That Relate to Heart, Lung, and Blood Diseases." The symposia are conducted by NHLBI to capitalize on and transfer the progress in basic science disciplines to clinical research problems. Leading experts in the field will present their views on the state of the science, the problems facing current understanding, and anticipated future developments in the biology of tissue transplantation.

The symposium will be cochaired by Dr. David H. Sachs of the National Cancer Institute and Dr. Samuel Strober of Stanford University Medical Center. Presentations will be structured around the following topics: basic mechanisms of self/non-self discrimination; clinical status of transplantation; transplantation tolerance; and pathways of allogeneration and their inhibition. Presentations by noted experts will be followed by open discussion.


For further information and registration materials, please contact: Ms. Geraldine Wolfe, Office of Program Planning and Evaluation, National Heart, Lung, and Blood Institute, National Institutes of Health, Building 31, Room SA06, Bethesda, Maryland 20892, (301) 496-9899.
GLOBAL CHANGE: THE GREENHOUSE EFFECT

At an MIT symposium on May 17–18, Global Change: Processes and Prospects, experts will present views about what is known about global change, the complex interactions between man and nature, and the need for international cooperation to understand and cope with prospective change. Intended audience is industrial managers and planners with technical backgrounds who are not experts on global change but are concerned about the potential impacts of long-term changes in the environment and climate changes caused by the greenhouse effect.

FOR MORE INFORMATION contact: Conference Coordinator, MIT, Room E38-400, Cambridge, MA 02139, Tel: (617) 253-0213, Fax: (617) 253-0002.

Spectrophotometry...

Did you know that Pharmacia LKB sell spectrophotometers. To discover more about our range of spectrophotometers and receive a FREE WALLCHART contact your local office.

Spectrosimplicity

Pharmacia LKB Biotechnology
S-751 82 Uppsala, Sweden

Circle No. 61 on Readers' Service Card

Circle No. 241 on Readers' Service Card
AAAS Members Elected as Fellows in 1989

Section A - Mathematics
Ronald G. Douglas
John C. Polking
Roy Radner
Anthony Ralston
Jean E. Taylor

Section B - Physics
Margaret Alston-Garnjost
Anthony J. Baltz
James M. Bardeen
Arthur Bienenstock
Peter D. Bond
James N. Bradbury
John G. Cramer
Max Dresden
Michael S. Feld
Herbert Goldstein
Robert A. Graham
Toichiro Kinoshita
E. Robert Kostin
Margaret Galland Kivelson
Steven Elliott Koonin
N. David Mermin
Roger G. Newton
Robert L. Park
Victor Perez-Mendez
Charles K. Rhodes
John S. Rigden
Raymond A. Sorensen
Maury Tigges
Pelix M. H. Villars

Section C - Chemistry
Sharon K. Braunam
Carl H. Brubaker, Jr.
Thomas C. Bruce
Barry K. Carpenter
James William Cleary
W. Donald Cooke
Dwayne O. Cowan
John Harold Dawson
James P. Ferris
Marshall Fixman
Warren T. Ford
Jean H. Futrell
John Thomas Gerg
Harlan L. Goering
Harry B. Gray
James D. Idol
Craig M. Jackson
Bruce B. Jarrois
William S. Johnson
Jack Garvin Kay
Edward M. Kosower
Isaco Kubo
Edward Leete
Robert E. Lyle, Jr.
Alan G. Marshall
Bruce E. Maryannoof
Jeanne L. Mc Hale
David E. Metzler
Milos V. Novotny
George C. Pimentel
Louis D. Quin
Robert L. Rowell
Ellis P. Steinberg
K. Grant Taylor
F. Warren Vilaescua
Owen W. Weiler
Archie Spencer Wilson
Fred Wudl
Hans Wynberg

Section D - Astronomy
Loren W. Acton
Ronald N. Bracewell
Alan P. Lightman
Lloyd Motz
Robert W. Noyes

Section E - Geology and Geography
Victor R. Baker
Bruce Forbes Bohor
Jerry Brown
C. Wayne Burnham
Nelson Caine
Arthur R. Green
Robert D. Hatcher, Jr.
G. Ross Heath
Marvin E. Kauflman
John R. Kather
Stanley Alan Morain
Stanley A. Schumm
Mark D. Zoback

Section F - Biological Sciences
Robert W. Alcorn
Christian B. Anfinsen
Irving L. Atema
Elton J. Braun
William L. Brown
Philip Marc Dagget
Mehan W. Denner
Ray Franklin Evert
Joanne E. Fortune
Carl Frieden
Robert H. Gardner
Lila M. Gieser
Erwin Goldberg
Marian R. Goldsmith
Paul D. Gottlieb
James L. Gould
Everett Peter Greenberg
Linda M. Hall
James L. Hanick, III
Evelyn Erika Handler
Maureen R. Hanson
Philip W. Hedrick
Donald R. Helenis
Cell Ann Herman
Stephen G. Hilberbrand
H. Robert Horvitz
Stuart H. Hurlbert
Jeremy B. C. Jackson
Gary R. Jacobson
Lawrence Kaplan
Arthur Karlin
John A. Katzenellenbogen
Darcy B. Kelley
Jerry L. Kermicle
Peter Kilham
William McKinley Klein, Jr.
Jordan Kominsky
Abraham D. Krikorian
Sidney R. Kushner
Frank Lilly
William F. Loomis
H. Frederik Nijkhoum
Emnet James Peck, Jr.
Erik M. Nakayama
Katherine Balls
Elijah Bravman Romanoff
Arun K. Roy
Ira Rubinoff
Louise Russen-Kraemer
Erica Malve Salzberg
J. William Schopf
Michael Selia
David Shepro
Willy K. Silvers
Arthur K. Solomon
David B. Sonenberg
John J. Stegeman
Donald E. Stone
Mette Strand
Noboru Sueoka
Max D. Summers
Lawrence Lance Tamm
D. Lancing Taylor
Guy A. Thompson, Jr.
Serge N. Timasheff
Y. C. Ting
Laurie Tompkins
Robert Tompkins
Walter Troll
Arthur Veis
Walter S. Vincent
Diter H. von Wettstein
Robert C. Vrijenhock
C. G. Wang
George H. Waring
Sidney Weinhouse
William Joseph Whelan
William B. Wood
James B. Wyngaarden
Michael B. Yarmolinsky
Emile Zuckerkandl

Section H - Anthropology
Richard E. Blanton
Frank Cencian
Jane H. Hill
Jean Beckman Lancaster
David R. Wilcox

Section J - Psychology
Phipps Arabie
Peter D. Balsam
William W. Beaty
Hendy Begleiter
Leo M. Chalupa
Robyn M. Daves
Osumi Fujimura
Alice F. Healy
Elizabeth Ives Hubert
Ilse Lehtise
Alexandra Woods Logue
Michael J. Mahoney
William S. Maki
Joanne L. Miller
Raymond S. Nickerson
Edward N. Pugh, Jr.
Henry L. Roeder, III
Theo B. Sonderegger

Section K - Social, Economic, and Political Sciences
Richard A. Berk
Clarence E. Shaw
William Clawson
Randall Collins
Russell Haradin
Carl M. Stevens
Burton A. Weintraub
William Julius Wilson
C. P. Wolf

Section L - History and Philosophy of Science
Robert N. Brandon
Sally Gregory Kohlstetd
Frank J. Sulloway

Section M - Engineering
Donald Martin Bolle
J. Ray Bowen
Jose B. Cruz, Jr.
Roger Eichhorn
Jane G. Evans
Robert L. Heyborne
Thomas James Higgins
James P. Johnston
Francis Alfred Kulacki
John H. Lienhard
James C. Lin
Christian E. G. Prizemel
Norman C. Rasmussen
Pradeep K. Rohatgi
Michael J. Salkind
R. Shankar Subramanian
Malvin C. Teich
Chang-Lin Tien
Timothy N. Trick
Stephen H. Unger
M. E. Van Valkenburg
Richard N. Wright
Milan Michael Yovanovich

Section N - Medical Sciences
Qais Al-Awqati
Barry R. Bloom
Eugene Braunwald
Ralph L. Brinster
Vincent P. Butler, Jr.
George F. Cahill, Jr.
Ramzi S. Cotran
John M. Dietschy
Virginia H. Donaldson
Bernard Nathan Fields
Donald S. Fredrickson
Irma Grigil
Alfred G. Gilman
Robert Katzman
David M. Kipnis
Marvin Kuschnier
Howard E. Morgan
John Smith O'Brien
Samuel I. Rapaport
Donald J. Reis
Alvin P. Shapiro
Charles C. Sprague
Marvin C. Steinberg
Edward J. Steimler
Roger H. Unger
Thomas A. Waldmann
Henryk M. Wysinski
Sheldon M. Wolff

Section O - Agriculture
Fuller W. Bazer
Royce S. Bringhurst
David B. Dilley
James N. Moore
John J. Morvets
Lowell Edward Schul
G. Edward Schul
David S. Shriver
Donald H. Wallace
Jack M. Widholm
Peter J. Wierenga
Edgar P. Young

Section P - Industrial Science
James L. Dwyer
Mary Ellen Mogee

Section Q - Education
Frederick Reif
Edward C. Stoever, Jr.

Section R - Dentistry
Sheldon Baumrdin
Richard E. Bradley

Section S - Pharmaceutical Sciences
Nicholas Bodor
Harold Boxenbaum
Glenn A. Brewer
George H. Hitchings
Adelbert M. Knevel
Hal N. Walkoff

Section T - Information, Computing, and Communication
Andrew G. Barto
Christine L. Borgman
Jane Bortnick
Craig I. Fields
Robert Langridge
Jack Minker
Jurg Niergelt
Dana S. Scott
Henry Small

Section U - Statistics
John M. Chambers
John A. Flueck
Donald Guthrie
Seymour Jablon
Gordon G. W. Kalton
James M. Landwehr
M. Clinton Miller
Leonard Roy Shenton

Section W - Atmospheric and Hydrospheric Sciences
Robert C. Beardsley
Robert C. Harris
Roy L. Jenne
V. Ramanathan
Allan R. Robinson

Section X - Societal Impacts of Science and Engineering
Luther S. Carter
Robert M. Cook-Deek
David Owen Edge
Allan Richard Hoffmann
Sheila S. Jasanoft
Richard A. Meserve
Dorothee Shore Zinber

Section Y - General Interest in Science and Engineering
James W. Curi
Sharon M. Friedman
Sherry Glen
Shyamal K. Majumdar
Keith Benson Mather
Books from AAAS

Issues in Science and Technology

Scientists and Journalists: Reporting Science as News, Edited by Sharon M. Friedman, Sharon Dumwoody, and Carol L. Rogers.
The public is interested in science and depends largely on the mass media for the latest information. But how well do scientists and journalists communicate with each other and to the public? This book examines the links between scientists and journalists as seen through the eyes of both. 1986; 334 pp.; hardcover $24.95 ($19.95 for AAAS members); AAAS Publication #86-20.

Science and Creation: Geological, Theological, and Educational Perspectives, Edited by Robert W. Hanson.
The creation/evolution controversy is examined by scientists, theologians, educators, and historians. These authors view the controversy as a false dichotomy and as an attempt to force a choice between two ideas that are not mutually exclusive. Includes case studies from several states. 1986; 240 pp.; hardcover $24.95 ($19.95 for AAAS members); AAAS Publication #86-19.

Are students in the U.S. developing the skills necessary for a high technology society, or will it be technological boom, educational gloom? Useem examines education in California's "Silicon Valley" and Boston's Route 128, two of the country's leading high tech centers, and suggests ways for education and industry to forge a stronger partnership for the future. 1986; 278 pp.; hardcover $19.95 ($15.95 for AAAS members); AAAS Publication #86-21.

The Gene-Splicing Wars: Reflections on the Recombinant DNA Controversy, Edited by Raymond A. Zilinskas and Burke K. Zimmerman.
Questions of safety and ethics about recombinant DNA techniques continue to surface. This book takes a look at historical, political, industrial, scientific, and international aspects of these issues. The authors show how lessons learned from the experience can be used to cope with similar issues in the future. 1986; 288 pp.; hardcover $24.95 ($19.95 for AAAS members); AAAS Publication #86-18.

Who controls research? A growing number of legal and administrative disputes raise critical issues of professional sovereignty, scientific secrecy, and proprietary rights. Nelkin offers cases illustrating the dilemmas that arise as the interests of scientists, the rights of citizens, and the security needs of government and industry come into increasing conflict. 1984; 130 pp.; softcover $9.00 ($7.25 for AAAS members); AAAS Publication #84-17.

Order from: AAAS Marketing, Dept. SP, 1333 H Street, NW, Washington, DC 20005. Please specify the appropriate AAAS Publication #(s), add $2.00 postage & handling per order, and allow 4-6 weeks for delivery. VISA and MasterCard accepted. For shipments to CA, add applicable sales tax.

Published by Macmillan, Inc., for the American Association for the Advancement of Science


(Continued on page 97)
Guarding the Guardians: Research on Peer Review

The First International Congress on Peer Review in Biomedical Publication, to be held in Chicago May 10-12, 1989, will present original research on critical issues in the publication of scientific research. These will include:

- the relationships between authors, editors, and reviewers, and how each is educated, selected, and evaluated
- analysis of editorial decision making
- cost-benefit issues
- allocation of responsibility for published material
- appropriate editorial safeguards
- breakdowns in the system, for example, plagiarism.

For more information on attending or presenting research, contact Drummond Rennie, MD, Director, Congress on Peer Review, American Medical Association, 535 North Dearborn Street, Chicago, Illinois 60610, (312) 280-7123

"Work, Finish, Publish."
Michael Faraday