The BH-2 Series.
Uniquely modular to meet your current and future requirements.

The quality of any microscope series relies on the interrelationship of optical performance, mechanical capability, electronic sophistication and its component system of accessories and attachments. For more than six decades, Olympus has dedicated itself to development of a unique fusion of these distinct disciplines. That is the Olympus advantage.

Nowhere is this advantage better exemplified than in the BH-2 System. A totally new generation, this highly advanced series represents a significant contribution to microscopy and photomicrography. Focusing that is smoother, more effortless and in a lower and more comfortable position; freely reachable controls for the stage that is positioned lower for easier processing of multiple specimens; vastly improved illumination for ultra-low magnification in Koehler-type illumination from 1X to 100X; accurate and unvarying brightness control; an advanced, automated photomicrographic system; and a choice of newly formulated long barrel objectives, stands and modules that is second to none. And all of this, a breakthrough in cost-effectiveness.

The collector that can’t lose drop, doesn’t waste your time and won’t cost a fortune.

The new HeliRac™ Fraction Collector from LKB

This new compact guarantees that no tube will ever change until the drop has been collected. So you won’t waste your sample or your time. And the world’s fastest time for tube change gives you perfect collection in any mode you choose: time, volume or drop. You’ll also get simplified waste collection, with zero dead-volume and hence no contamination. So if you want reliability, HeliRac’s got it. And if you want to save time, it’s got every feature to automate your entire collection.

With more intelligence than many larger instruments, HeliRac is so simple to program and so easy to use. Let it run your system or be its slave. You’ll get 6 time windows for optimal collection, 4 memories for program storage and an escape key to speed up parameter changes. That’s the kind of flexibility you’ve always wanted in a collector so small—and with a price that’s so sensible.

When you’ve seen it at work in your own laboratory, you’ll know why the performance and value of HeliRac just can’t be matched. Try it today and you’ll see for yourself.

NOW FILL THIS IN TODAY

☐ Send me the facts.
☐ Show me how HeliRac can help my lab.
☐ Send me a quotation.

Name
Dep
Comp/Inst
Address
Tel

Circle No. 248 on Readers’ Service Card

Head office: LKB-Produkter AB, Box 306, S-161 26 Bromma, Sweden. Tel. +46 (0) 8 98 00 40, telex 10492 X Antwerp (03) 218 35 - Athens-Middle East +30 (1) 894 78 96
Copenhagen (01) 29 50 44 - Hongkong (682) S-555555 - London (01) 657 88 22
Lucerne (041) 57 44 57 - Madras (044) 45 28 74 - Moscow (095) 256-9002
Munich (089) 85 830 - Paris (01) 928 65 07 - Rome (06) 39 90 33
Stockholm (08) 98 00 40 - Tokyo (03) 295-8121 - Turku (023) 678 111
Vienna 48 (0222) 92 16 07 - Washington (202) 488-3200 - Zöchtemer (0270) 31 92
THE FIFTH ANNUAL CONGRESS FOR HYBRIDOMA RESEARCH
JANUARY 26 - 29, 1986
BALTIMORE CONVENTION CENTER, BALTIMORE, MARYLAND

Co-Chairmen:
Zenon Steplewski
The Wistar Institute
Philadelphia, PA

Hilary Koprowski
The Wistar Institute
Philadelphia, PA

Joseph Davie
Washington University
St. Louis, MO

The Annual Congress for Hybridoma Research, now in its fifth year, is recognized as the premier symposium on the subject, and presents the important developments that impact on current and future work.

Keynote Speaker: Mark Davis, Stanford University, Stanford, CA

Title: T-cell Receptor Gene Structure and Function

Workshop Topics & Chairmen:
HUMAN REPERTOIRE and AUTOIMMUNE DISEASE
A. Notkins, NIH, Bethesda, MD.

GENETIC PROBES
J.D. Capra, University of Texas, Dallas, TX.

MONOCLONAL ANTIBODIES in DISSECTING NORMAL and MALIGNANT STEM CELLS
I. Bernstein, Fred Hutchinson Cancer Center, Seattle, WA.

ISOTYPE SWITCH VARIANTS IN ANALYSIS of ANTIBODY FUNCTION
M. Scharff, Albert Einstein College of Medicine, New York, NY.

NEW TECHNOLOGIES
G. Rovera, The Wistar Institute, Philadelphia, PA.

Poster Sessions: TECHNOLOGICAL ADVANCES IN HYBRIDOMA RESEARCH

Participants are invited to submit abstracts for the poster sessions. These abstracts will be reviewed up until the time of the meeting; however, only those accepted by Nov. 15 will be published in the journal, Hybridoma. Contact Dr. Zenon Steplewski (215) 898-3924.

Organized by Scherago Associates, Inc., in conjunction with Mary Ann Liebert, Inc.

REGISTRATION FEES:
$400 On-site registration – includes a one year subscription or renewal to the journal, Hybridoma.
$350 ADVANCE REGISTRATION – (Received by Nov. 15) – Includes a one year subscription or renewal to the journal, Hybridoma.
$ 75 STUDENT REGISTRATION – Student status must be confirmed in writing by department chairman.

4-7 registrations received together from same organization $300 each. Includes 4 journal subscriptions only.
8-10 registrations received together from same organization $200 each. Includes 4 journal subscriptions only.

Larger group rates available upon request.
Cancellations must be received in writing by December 19, 1985.

Attendance will be limited. Make checks payable to: Scherago Associates, Inc., DNA/HYBRIDOMA S-9-27

☐ Please reserve __________ space(s): Registration Fee of $ __________ enclosed.

☐ Please send abstract form.

Name ____________________________________________________________

Dept. ____________________________ Organization ____________________________

Street ____________________________________________________________

City ____________________________ State _____________ Zip _____________

Telephone: ( ________ ) ____________________

Return to: Hybridoma; c/o Scherago Associates, Inc.

1515 Broadway, Dept. S-9-27, New York, NY 10036 • (212) 730-1050

Circle No. 315 on Readers' Service Card
Did you say “QVECs”? 

Try it yourself. Take any half-dozen well-informed staff members and say knowingly, “Of course, you’ve heard about these new QVECs.” You’ll be treated to at least five different versions of precisely what QVECs are not.

What no one will admit to—especially at the Dean’s annual reception—is that they have no idea whether QVECs are a cream-filled French pastry or the focus of the latest microchip research.

A pity. Because for many of your people, TIAA-CREF’s QVECs (short for Qualified Voluntary Employee Contributions) represent an intelligent, convenient and highly competitive tax-deferred alternative to an IRA.

In fact, if any members of your staff are considering buying IRAs, your institution should be offering them TIAA-CREF QVECs—for these important reasons.

- QVECs provide a lifetime income, unlike most IRAs.
- QVECs currently offer attractive rates of return.
- QVECs offer the investment choice between two funds—TIAA and CREF.
- QVECs are portable—when staff move to another institution that offers QVECs, their QVECs can go right along.

So sooner or later you can expect to be interrogated on the subject of QVECs by the head of business studies or the rising star of the history department. And you’ll want to have the facts at your command.

We can provide them. For a full briefing, simply return the form below or write us at QVECs, TIAA-CREF, 730 Third Avenue, New York, New York 10017. Then, when the subject comes up, as it’s sure to do, you’ll be ready to set the record straight.

QVECs. The educated alternative to an IRA.

 Teachers Insurance and Annuity Association College Retirement Equities Fund 730 Third Avenue New York, New York 10017

Y es. Please send me free all I need to become an instant expert on QVECs, so I can pass the word on to my staff members.

<table>
<thead>
<tr>
<th>Name</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Title</td>
<td></td>
</tr>
<tr>
<td>Institution</td>
<td></td>
</tr>
<tr>
<td>Address</td>
<td></td>
</tr>
<tr>
<td>City</td>
<td>State</td>
</tr>
</tbody>
</table>

27 SEPTEMBER 1985
All that you can ask for in a UV-VIS spectrophotometer.

Scientific and technical problems, today, demand quick, accurate analytical computation. Gilford meets the needs of laboratory research with the finest in analytical systems. The Response™ spectrophotometer, by Gilford, combines photometric, optical and microprocessor technology to assure you of highly accurate, consistently reliable measurements.

Standard features include:
- Wavelength and time scanning, kinetics, multi-wavelength analysis and curve fitting routines.
- Graphic and tabular data display via high resolution CRT.
- Microprocessor controlled absorbance and wavelength calibration routines.
- Program storage and data storage to 10,000 points. RS-232C computer interface.
- Video copier for a publication quality hard copy.

Response™ from Gilford.

A combination of sophistication and efficiency.
Response™ was designed with user interaction in mind with easy-to-operate controls, dedicated function keyboard, function changing dynamic keys and a convenient, transverse sample compartment that accepts accessories including six-position cell holders, 20cm gel and film scanners and a rapid sampler.

Gilford  
132 Artino Street  
Oberlin, Ohio 44074  
800.221.7527

Application Extending Accessories
- Gel Scanning
- Temperature Control
- Rapid Sampling

GILFORD  
a CORNING Laboratory Sciences Company

Circle No. 339 on Readers' Service Card
Choose the EXACT power supply you need!

Some people think you should be satisfied with three or maybe four all-purpose units... at custom model prices.

E-C offers you the largest power supply line in science, with more models and more features for more applications, at prices we are proud to publish... from $225 to $1995.

Send now for our free Power Supply Catalog or telephone Technical Service free of charge at 1-800-624-2232. In Florida call 1-800-282-7932.

E-C Apparatus Corp.,
3831 Tyrone Blvd. N.
St. Petersburg, FL 33709
TELEX 514376 HALA

Circle No. 320 on Readers' Service Card
ZIDAS™
cuts the cost of quantitative microscopy down to size.

Now, for under $7,500, the Zeiss Interactive Digital Analysis System... ZIDAS... with Printer, Standard Microscope, and Tracing Attachment.

VERSATILE
- 18 geometric and morphometric measurement functions
- Statistics, stereology, distribution histograms
- ZIDAS will operate:
  - As stand-alone system
  - With practically any computer
  - With practically any serial or parallel printer
  - With display terminals

BUILT-IN SOFTWARE
- Internal auto-diagnostic and test programs
- All programs permanently resident in EPROM
- Up to 5 user-defined programs can be stored in memory at one time
- 9 separate registers

SIMPLE TO OPERATE
- Clear, easy-to-understand menufield
- Images are traced with stylus or cursor
- Direct microscopic observation, prints, photos, drawings
- Tracing speeds up to 100mm/second
- Tablet resolution better than 0.1 mm

HIGHEST QUALITY MICROSCOPE
- Unmatched for versatility
- Compact, strong, simple
- Classic design, superb optics, precision mechanics
- 131 objectives, host of accessories
- Usable in every known technique in transmitted- and reflected-light microscopy

The great name in quantitative microscopy

For literature circle reader service number 216
For a demonstration circle reader service number 217

One Zeiss Drive
Thornwood, NY 10594
(914) 747-1800
THE SIXTH ANNUAL CONGRESS FOR
RECOMBINANT DNA RESEARCH
JANUARY 26-29, 1986
BALTIMORE CONVENTION CENTER, BALTIMORE, MARYLAND

Co-Chairmen:
John D. Baxter
Univ. of California
San Francisco, CA
Walter L. Miller
Univ. of California
San Francisco, CA
Peter Gruss
Univ. of Heidelberg
West Germany

The Annual Congress for Recombinant DNA Research, now in its sixth year, is recognized as the premier symposium on the subject, and presents the important developments that impact on current and future work.

Keynote Speakers: Charles Weisman, University of Zurich, Switzerland
Interferon Genes and their Expression

Philip Sharp, Massachusetts Institute of Technology, Cambridge, MA
Gene Expression in Mammalian Cells

Session Chairman

ONCOGENES
Peter Gruss, Univ. of Heidelberg, W. Germany

HORMONES
John Baxter, Univ. of CA, San Francisco

TRANSCRIPTION
Pamela Mellon, Univ. of CA, San Diego

DEVELOPMENTAL BIOLOGY
Shirley Tilghman, Fox Chase Cancer Ctn., Phila, PA

MEDICAL MOLECULAR BIOLOGY
Walter L. Miller, Univ. of CA, San Francisco

NEUROBIOLOGY
James R. Roberts, Columbia Univ., N.Y, N.Y.

PLANTS
Frederich Ausubel, Mass. Genl. Hosp., Boston, MA

YEAST

Poster Sessions: ADVANCES IN RECOMBINANT DNA RESEARCH
Participants are invited to submit abstracts for the poster sessions. These abstracts will be reviewed up until the time of the meeting; however, only those accepted by Nov. 15 will be published in the journal, DNA. Contact Edward Ruffing, Scherago Associates, Inc., (212) 730-1050.

Organized by Scherago Associates, Inc., in conjunction with
the journal, DNA, and Genetic Engineering News

REGISTRATION FEES:
$400 On-site registration – includes a one year subscription or renewal to the journal, DNA.
$350 ADVANCE REGISTRATION – (Received by Nov. 15) – Includes a one year subscription or renewal to the journal, DNA.

$75 STUDENT REGISTRATION – Student status must be confirmed in writing by department chairman.

4-7 registrations received together from same organization $300 each. Includes 4 journal subscriptions only.

8-10 registrations received together from same organization $200 each. Includes 4 journal subscriptions only.

Larger group rates available upon request.
Cancellations must be received in writing by Dec. 19, 1985.

Attendance will be limited. Make checks payable to: Scherago Associates, Inc., DNA

☐ Please reserve __________ space(s): Registration Fee of $ __________ enclosed.
☐ Please send abstract form.

Name ____________________________________________
Dept. ________________________________ Organization ________________________________
Street ____________________________________________
City __________________________ State __________ Zip __________
Telephone: ( ) __________

Return to: DNA; c/o Scherago Associates, Inc.
Dept. S-9-27, 1515 Broadway, New York, NY 10036 • (212) 730-1050
The Verification Challenge: Problems and Promise of Strategic Nuclear Arms Control Verification, by Richard A. Scribner, Theodore J. Ralston, and William D. Metz

A broad, authoritative examination of strategic nuclear arms control verification that addresses principles and tasks of verification, technology and monitoring, compliance issues, future verification needs, and views on what constitutes adequate verification. Available from Birkhäuser Boston, November 1985; ca. 200pp., $15. (Order from the publisher, 380 Green St., Cambridge, MA 08540)

Strategic Nuclear Arms Control Verification Terms and Concepts: A Glossary, by Richard A. Scribner and Kenneth N. Luongo

A comprehensive glossary of weapons technology, arms control, and treaty terminology. Published by AAAS (1985) 48pp., $2.50*.


A comprehensive, up-to-date guide to books and articles suitable for class or research use. Published by AAAS (1985) 96pp., $8.75*.

The Strategic Defense Initiative: Some Arms Control Implications, by Jeffrey Boutwell and Richard A. Scribner

Implications of SDI for the Anti-Ballistic Missile Treaty, for nuclear arms control negotiations, for limiting antisatellite weapons, and for the NATO alliance and counteractions by the Soviet Union. Contains Congressional action recommendations. Published by AAAS (1985) 48pp., $2.50*.

To order these books, as well as AAAS audiotapes, educational videotapes and symposia volumes on science, arms control, and national security topics (and for discounts on quantity orders), write to:

Committee on Science, Arms Control, and National Security
American Association for the Advancement of Science
1333 H Street, N.W.
Washington, D.C. 20005

(*Please include $1.50 postage and handling per order. Allow 4–6 weeks for delivery. AAAS members receive a 20 percent discount on listed prices.)
REF-11™

Computerizes your REFERENCES and prepares your BIBLIOGRAPHIES

- Maintains a data base of references
- Searches for any combination of authors, years of publication, reference title (or any words in the title), and topics covered by the reference
- Formats bibliographies exactly as you want them
- Alphabeticizes references
- Abbreviates journal titles
- Runs on any video terminal and printer
- 20 lines of comments for each reference

IBM PC/XT/AT, MS-DOS, CP/M 80 . . . . . $195.00
RT-11, TSX-Plus, RSX-11, P/OS . . . $250.00
VAX/VMS (native mode) . . . . . . . . . . . . $350.00

TM

322 Prospect Ave., Hartford, CT 06106
(203) 247-8500
Connecticut residents add 7 1/4% sales tax.

Give your pump a Harvard education.

Make your laboratory work more efficient than ever before.

The New Harvard Apparatus Educated Pump System with a microprocessor-based, interactive computer system is easy to use. You literally turn it on and let the software do all the work. Create any protocol by specifying up to six hundred flow rate/time events. Or write your own programs in BASIC to instruct your Educated Pump to change its delivery rate to fit your experiments.

And the hard-copy printer will report, on demand, the activities it has performed.

For information on the new Harvard Educated Pump System or how to retrofit most Harvard pumps call 1-800-345-4912, in MA 617-655-7000 or send for our brochure.

HARVARD APPARATUS

We do our research so you can get on with yours.

Harvard Apparatus • 22 Pleasant Street • South Natick, MA 01760

Introducing The Fluoro IV™ Spectrofluorometer

Perform to your high standards

Reinforcing our commitment to listening to our customers, we have combined measuring power, flexibility and simplified operation into a single instrument. The Fluoro IV…developed to meet the demands of researchers, day in and day out.

The Fluoro IV features include:
- 4-Position Thermostatted Cell Holder
- Printer/Plotter for Both Tabular and Graphical Data Presentation
- Excitation, Emission, and Synchroscans
- Time-Based Studies
- HPLC Adapter
- RS232…and Much More.

For more information, call us toll-free at 800-221-7527.

GILFORD

a CORNING Laboratory Sciences Company

Circle No. 47 on Readers' Service Card
Circle No. 257 on Readers' Service Card
Circle No. 338 on Readers' Service Card