NOTICE TO CONTRIBUTORS

Complete instructions for the preparation of manuscripts appear in the first issue of each volume, or copies may be obtained from the editor. Beginning October 1, 1991, all new manuscripts and correspondence concerning them should be sent to the incoming editor:

Dr. John A. Harvey  
The Journal of Pharmacology & Experimental Therapeutics  
Suite 129  
The Medical College of Pennsylvania at EPPI  
3200 Henry Avenue  
Philadelphia, PA 19129

Correspondence regarding previously submitted manuscripts should continue to be addressed to Dr. Eva King Killam or to the assigned Specific Field Editor.

INFORMATION TO SUBSCRIBERS

The Journal of Pharmacology and Experimental Therapeutics is issued monthly. Four volumes are published each year. Each volume contains three numbers.

Correspondence concerning business matters should be addressed to Williams & Wilkins, 428 East Preston St., Baltimore, MD 21202-3993 U.S.A.

Annual Subscription Rates—U. S. A. AND POSSESSIONS: personal, $180.00; institutional, $310.00; single copy, $19.00. FOREIGN: personal, $245.00; institutional, $375.00; single copy, $23.00. (Prices subject to change.) Institutional (multiple reader) rate applies to libraries, schools, hospitals, clinics, group practices, and federal, commercial, and private institutions and organizations. Foreign subscribers who wish to have issues sent by airmail may inquire of the publisher for the additional cost. The GST Tax Number for Canadian subscribers is 123394371.

Change of address: Publisher must be notified 60 days in advance. Journals undeliverable because of incorrect address will be destroyed. Duplicates can be obtained (if available) from the publisher at the regular price of single issues.

New subscriptions are entered to begin with the next issue to publish unless otherwise specified by the subscriber. Subscriptions run for a twelve-month period.

To avoid a break in your series, subscriptions should be renewed promptly. The publisher cannot guarantee to supply back issues on belated renewals.

Reprints of individual articles are available only from authors.

Microfilm. For availability, inquire of Williams & Wilkins.

WILLIAMS & WILKINS  
BALTIMORE, MD 21202-3993 U.S.A.
### LAB ANIMAL RESEARCH EQUIPMENT

#### INEXPENSIVE EXERCISER
- For rats and mice -- 4-lane exerciser.
- Electronically controlled speed.
- Electric stimulation grids.

#### GRIP STRENGTH METER for rats and mice
- Objectively measures animal deficiency in strength.

#### END TIDAL CO₂ METER
- Can be used for Rats
- Extremely small air sample flow -- 5ml/min.
- Analog output to most recorders.
- Digital display N₂O measurements.

#### INEXPENSIVE ANIMAL ACTIVITY METERS
- "Mini" activity meter uses standard plastic cages.
- Can be used with rats or mice.
- 15 Infrared sensors.
- Separates ambulatory from total activity.
- Multi-cage system available w/ IBM-PC interface.

#### CARDIAC OUTPUT FOR RATS
- Thermodilution method using 1/3 mm temp. microprobes.
- Can be interfaced to an IBM-PC.
- Measures: CO, S.V. BP, Mean Transit Time, Ejection Fraction and much more.

#### VENTILATORS
- Mechanical (piston) positive pressure ventilators for rodents and larger animals.

#### ECONOMICAL O₂/CO₂ METABOLIC SYSTEM
- O₂ Consumption/CO₂ production computer (IBM-PC).
- Open-circuit indirect calorimeter.
- Completely computerized.
- Single channel.
- Also available-multi-channel systems for rats, mice, bacteria, horses, and humans.

#### 256 POINT THERMOMETER
- Interface to IBM-PC for 1 to 256 thermocouples.
- Variety of temp. probes (rectal, skin, implantable).
- Software provides graphics and real-time plotting.
- Also special software for Pyrogenic Activity studies.

#### MAZES -- "FIGURE 8" AND "RADIAL ARM"
- Computerized system with universal maze software (for IBM-PC) monitors interruption of 128 IR sensors.
- Data LOTUS 1-2-3 compatible.

#### VIDEO TRACKERS FOR WATER MAZES
- Measures activity, distance traveled, pattern of movement, & rotations of multiple animals w/ 1 TV camera.
- Vertical activity (3-D) measurements w/ 2 cameras.
- Ideal for water maze, human and animal gait analysis.

---

For our complete catalog please contact: **Columbus Instruments International Corp.**

**P.O. Box 44049**  **Columbus, Ohio 43204 USA**

**PH: (614) 488-6176**  **FAX: (614) 276-0529**  **TLX: 246514**  **Toll Free: 1-800-669-5011**