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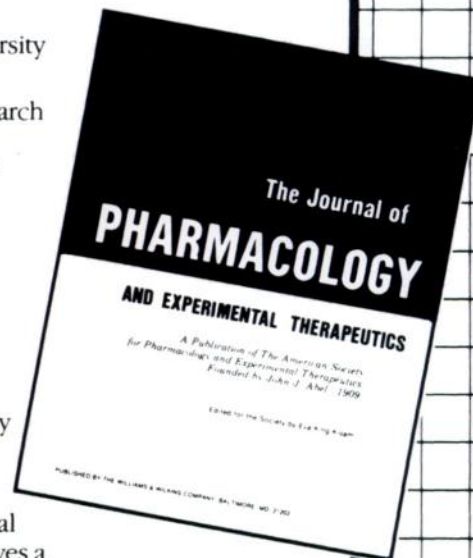
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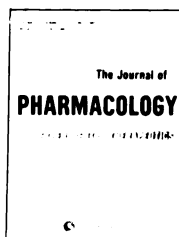
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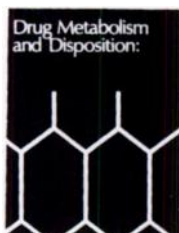
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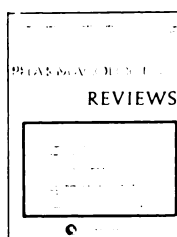
Drug Metabolism and Disposition: *the biological fate of chemicals*

Editor:
Vincent G. Zannoni, PhD

Drug Metabolism and Disposition publishes *in vitro* and *in vivo* experimental results that bring readers significant and original information on xenobiotic metabolism and disposition, including metabolism of all pharmacologic agents or drugs and environmental chemicals, reactants, and preservatives. The areas covered are: pharmacokinetics, pharmacodynamics and mechanisms, genetic, nutritional, or hormonal factors affecting the biological fate of chemicals, toxicological consequences of xenobiotic metabolism. **Bimonthly**

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Editor:
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Pharmacological Reviews is a showcase for important review articles in your field, featuring longer papers on topics of high current interest. The areas covered in review papers have included biochemical and cellular pharmacology, drug metabolism and disposition, renal pharmacology, neuropharmacology, behavioral pharmacology, clinical pharmacology, and toxicology. No library serving the pharmacologic community should be without a subscription. **Quarterly**



Molecular Pharmacology

Editor:
William A. Catterall, PhD

The papers published in **Molecular Pharmacology** are on the cutting edge of research on drug action and selective toxicity at the molecular level. Original applications of biochemistry, biophysics, genetics, and molecular biology are juxtaposed with innovative pharmacologic research to elucidate basic problems in pharmacology and toxicology, including such areas as molecular mechanisms involved in drug receptor-effector coupling, xenobiotic metabolism, and antibiotic and anticancer drug action. **Monthly**

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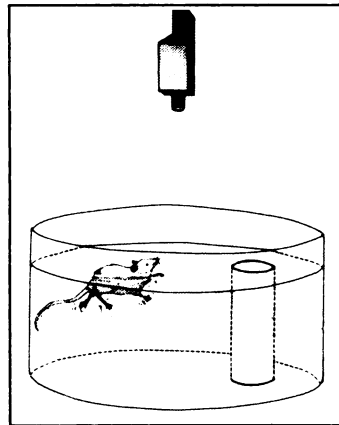
VIDEO TRACKERS MEASURE ANIMAL ACTIVITY

Videomex-V tracks black or white images
 Videomex-X tracks multiple colors
 Can work as interfaces to IBM-PC computers



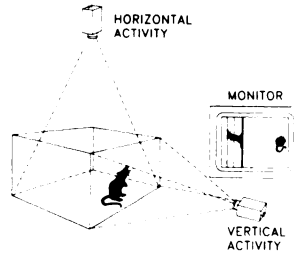
VIDEOMEX-V SOFTWARE FOR MORRIS WATER MAZE

This software plots patterns of movement, measures distance traveled and time taken by the animal to reach the goal platform in a Morris Water Maze.



NEW!

VIDEOMEX-V VERTICAL ACTIVITY SETUP

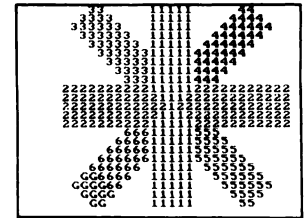


VIDEOMEX-V VERTICAL ACTIVITY SETUP

Now, with two (2) television cameras, the Videomex-V can measure both Horizontal and Vertical activity.

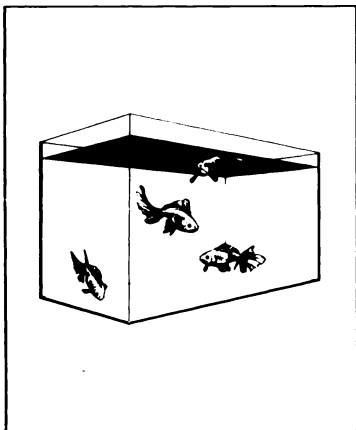
Columbus Instruments Videomex-V
 Multiple Zone Distance Traveled
 Experiment number 4
 Distances are in cm
 Times are in seconds

Zone Map:



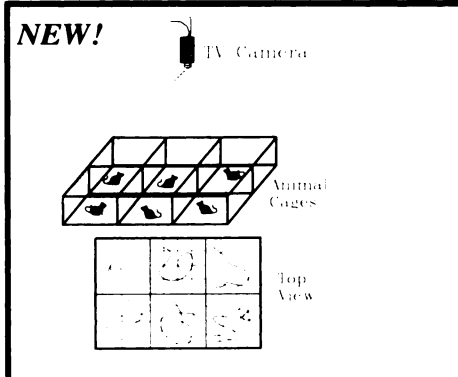
MAZES

The Videomex-V is ideal for use with mazes. It prints pattern of movement, time spent in each maze branch (area), number of visits, etc. The user can design the shape of the maze and zones using a computer mouse or Videomex-V controls.



WATER STUDIES

The Videomex-V is ideal for measuring fish activity. Observations can be done either from a top view, side view or both the side and top views of an aquarium. It can track a single fish or measure the general level of activity of a school of fish.



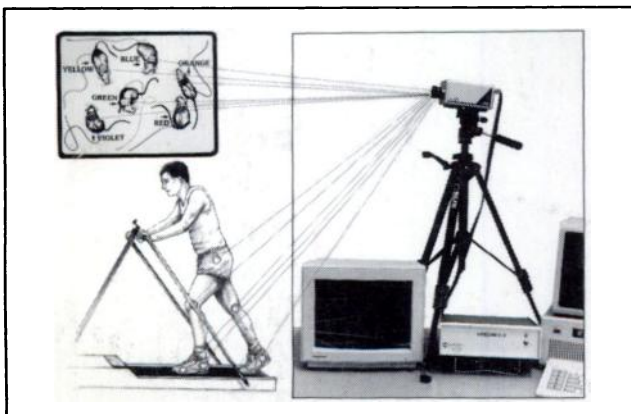
MULTIPLE ANIMALS IN MULTIPLE CAGES

Now multiple animals in multiple cages can be measured according to patterns of movement, distances traveled and time each animal spends in each zone of their own cage. Each animal cage can be partitioned into multiple zones. This is a very economical solution for multiple cage studies.



BACKGROUND MASKING & SMALL OBJECTS FILTER

The Videomex-V provides the perfect method to measure primate activity behind cage bars by being able to "mask out" areas not of interest to the study. The Videomex-V tracks the animal and measures distance traveled even with solid cage bars between the animal and television camera. **New! Small objects can be eliminated making Videomex-V insensitive to animal feces, tracking only the largest object in the field.**



VIDEOMEX-X MULTI-COLOR SYSTEM

The Videomex-X Multi-Color System can track up to 6 separate color markers on either animals or humans. It digitizes the image and calculates the X-Y coordinates of color marked objects 60 times per second and transfers the data in real time to an IBM-PC/AT's hard disk. It's ideal for tracking multiple animal activity when animals share the same space. Software is available for tracking patterns of movement, social contact, distance traveled, time spent in different zones, etc. One exceptional application for this is in human biomechanics.

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