

## **DIRECTOR OF RESEARCH & DEVELOPMENT SALIDA, COLORADO**

**Duties:** Direct/coordinate all aspects of research/development of herbal therapy products for treatment of high cholesterol/obesity/hypertension/peptic ulcers/allergic disorders/arthritis. Supervise development of new intestinal bacterial variants. Oversee genetic toxicity studies. Direct research studies for screening pharmacological/genetic/toxicological characteristics of various medicinal plants. Analyze and interpret research data using statistical methods and computers. Plan research/development proposals. Submit proposals to management and inform management of status of projects. Hire research/development staff members.

**Requirements:** 1) Ph.D./Pharmacology; 2) 3 years experience in herbal pharmacology laboratory research projects; 3) Knowledge of computer-assisted research analysis and statistical research analysis; 4) knowledge of clinical genetics, pharmacogenetics and toxicology.

**Hours/Salary:** 40 hrs/week, 8am-12pm & 1pm-5pm. \$48,500/yr.

**To apply:** Send resume to Job Order #CO4337212  
Colorado Dept. of Labor & Employment  
600 Grant Street  
Suite 900  
Denver, CO 80203-3528

Must provide proof of legal right to work in U.S.

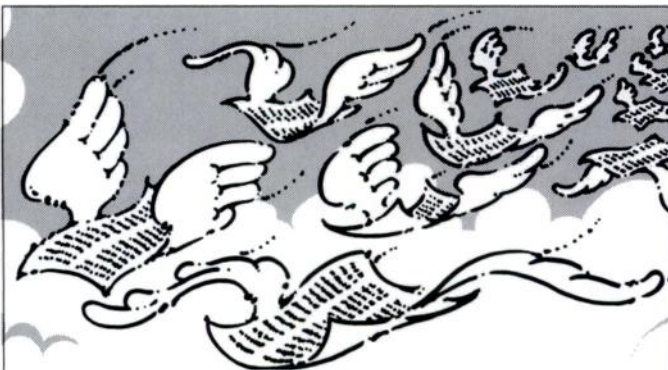
### **Postdoctoral Research Associate Brookhaven National Laboratory**

The Medical Department has a position available for a recent Ph.D. trained in pharmacological or biochemical science. Experience in drug distribution and pharmacokinetics in animal tumor models is preferred. The task is to oversee a drug screening program in which compounds to be evaluated in vitro and in vivo will include 1) boron-containing pharmaceuticals for use in boron neutron capture therapy; and 2) gadolinium-containing compounds as magnetic resonance imaging contrast agents.

Candidates may apply by sending a curriculum vitae, publications list, and names of three references to:

Dr. J.A. Coders  
Medical Department  
Building 490  
Brookhaven National Laboratory  
Associated Universities Inc.  
P.O. Box 5000  
Upton, LI, NY 11973-5000

Equal Opportunity Employer.



## **Williams & Wilkins Quick Copies. Tell us today. Read it tomorrow.**

**Y**ou can get copies of any article published in all Williams & Wilkins journals. It's fast – because we're the primary source, we can fax it to you within 24 hours of when we receive it. It costs less – there are no copyright fees and the cost of faxing is included in the price.

*Fax, phone, or mail your citation to:*

**Williams & Wilkins / Quick Copies**  
428 East Preston Street  
Baltimore, MD 21202-3993  
Call 1-800-354-9685 (toll free)  
Fax 1-410-528-4312

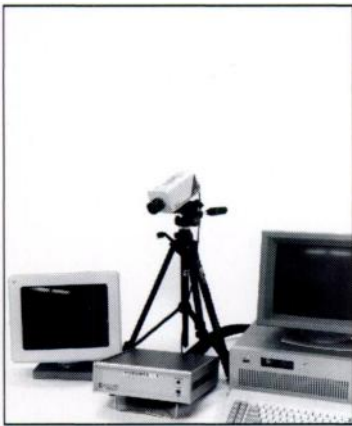


**Williams & Wilkins**  
A WAVERLY COMPANY

DDSAD 54525

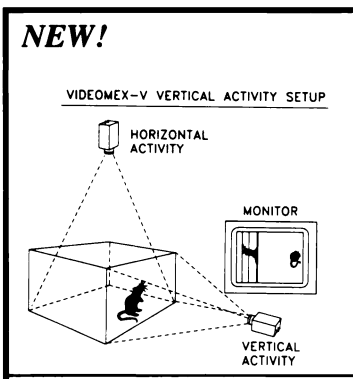
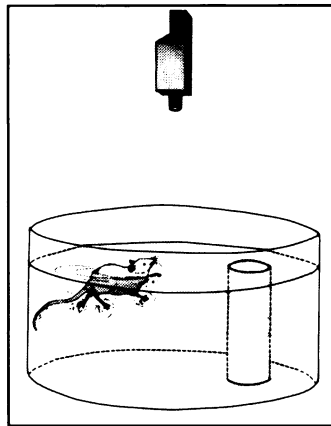
# VIDEO TRACKERS MEASURE ANIMAL ACTIVITY

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



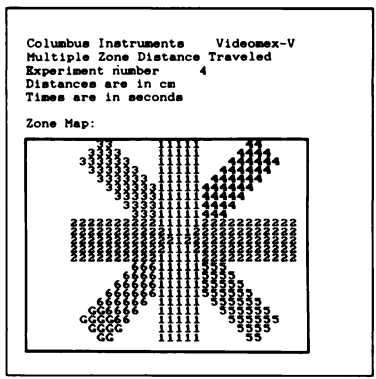
## VIDEOMEX-V SOFTWARE FOR WATER MAZE

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



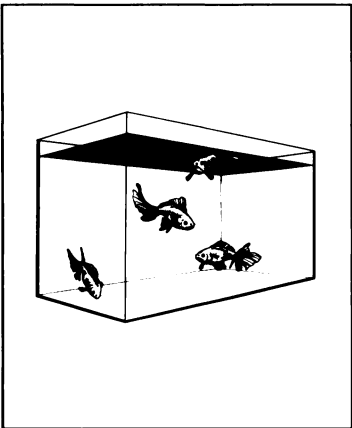
## VIDEOMEX-V VERTICAL ACTIVITY SETUP

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



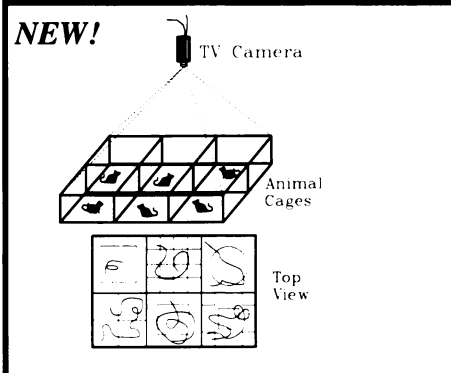
## MAZES

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.



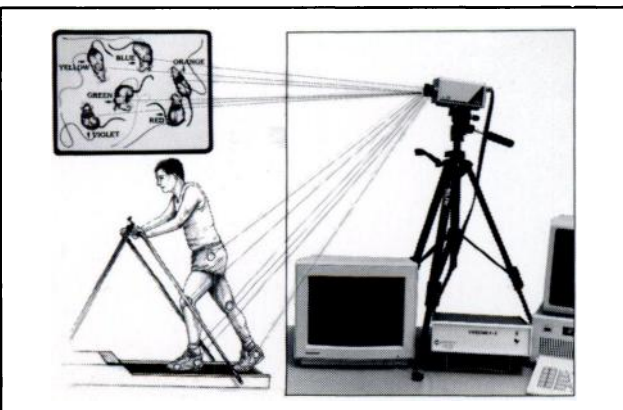
## MULTIPLE ANIMALS IN MULTIPLE CAGES

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.

LAB ANIMAL RESEARCH EQUIPMENT CATALOG NOW AVAILABLE.  
 PLEASE CONTACT US FOR MORE INFORMATION AT:

**COLUMBUS INSTRUMENTS INTERNATIONAL CORPORATION**



P.O. Box 44049 Columbus, Ohio 43204 USA  
 PH: (614) 276-0861 FAX: (614) 276-0529 TLX: 246514  
 Toll Free In USA: 1-800-669-5011