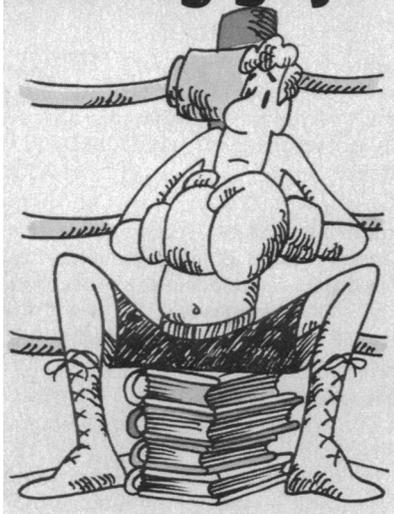


# How a one-person R & D dept. can match the big guys.



Dialog is the great equalizer in many phases of research. Other firms may have larger staffs and budgets. But with Dialog you have equal time on the world's leading online information retrieval service.

Lockheed's Dialog puts you in instant touch with databases and provides abstracts of journal articles, conference papers, patents, research reports and current news stories. Moreover, Dialog's data goes back 15 years.

What information do you need? New developments in acoustics or zero gravity? What's going on in your field in Japan or Germany? Ask Dialog.

Using a standard computer terminal—in your office or at your library—you can make a quick search that will save hours, days or even weeks of time. And at a surprisingly low cost.

For more information, contact Dialog Information Services, Dept. 83, 3460 Hillview Ave., Palo Alto, CA 94304. Call toll-free (800) 227-1927. In California, call (800) 982-5838.

 **Lockheed Dialog**

Circle No. 55 on Readers' Service Card

## Personnel Placement

SCIENCE publishes each Friday, except the last Friday of the year. Advertising is accepted only in writing; no abbreviations. Also, personnel advertising is accepted only with the understanding that the advertiser does not discriminate among applicants on the basis of race, sex, religion, age, color, national origin, handicap, or sexual preference.

### CLASSIFIED ADVERTISING DEADLINES:

12 November issue (mailed 5 November): **22 October**  
19 November issue (mailed 12 November): **29 October**  
26 November issue (mailed 19 November): **5 November**  
3 December issue (mailed 26 November): **12 November**

**POSITIONS WANTED:** 40¢ per word, plus \$4 for use of box number, per insertion, \$10 minimum, per insertion. Prepayment required. This rate is available only to individuals seeking jobs.

**DISPLAY (POSITIONS OPEN, COURSES, FELLOWSHIPS, MARKETPLACE, and so forth):** \$9 per millimeter; \$225 minimum, per insertion (minimum charge covers 25 millimeters on a single column; 25 millimeters equals 10 lines of 50 spaces per line). No charge for use of box number. No agency commission for ads less than 103 millimeters (4 inches). No cash discount. Prepayment required for all foreign ads. Purchase orders and billing information required for all other advertising.

Send copy for all **Positions Wanted** ads and **Display** ads less than 1/6 page in size (125 millimeters) to:

SCIENCE, Room 107  
1515 Massachusetts Avenue, NW  
Washington, D.C. 20005  
Telephone: 202-467-4456

Send copy for **Display** ads 1/6 page and larger to:

Scherago Associates, Inc.  
1515 Broadway  
New York, N.Y. 10036  
Telephone: 212-730-1050

Blind ad replies should be addressed as follows:

Box (give number)  
SCIENCE  
1515 Massachusetts Avenue, NW  
Washington, D.C. 20005

### POSITIONS WANTED

**General Biologist** seeks entry to mid-level position in research or quality control (pharmaceuticals/bio products/foods/cosmetics/medical/ecology). M.S. plus some industrial microbiology experience. Mid-Atlantic region preferred. Box 288, SCIENCE. X

**Cardiovascular Physiologist**, M.S., Ph.D., 1978. Four years of postdoctoral experience in thoracic surgical laboratory. Myocardial oxygen consumption, global and regional function (ultrasonic analysis), microspheres, cardiopulmonary bypass, cardioplegia; regional and global models of ischemia, chronic instrumentation. Seeks industrial/academic research position. Box 286, SCIENCE. X

**Cell Culture Expert**, Ph.D., 7 years of experience in various aspects of cell culture, especially culture conditions which affect cell survival and long-term maintenance of differentiated cell function. Also some pharmacological and toxicological experience. Seeks position in industry. Box 276, SCIENCE. X

**Chemical Biologist**. B.S. 1978; 3 years as industrial chemist. Interested in analytical procedures supporting elucidation of molecular structure as it determines metabolic function. Box 289, SCIENCE. X

**Collagen/Connective Tissue Biochemist**, Ph.D. Biochemistry of collagen types in soft and hard tissues. Analytical, preparative, clinical, and HPLC methods development. Publications. Box 287, SCIENCE. X

**Multidisciplinary Electronics Engineer**, three degrees, 70 publications, U.S. citizen with 20 years of microwave, telecommunications, biomedical European experience in governmental/industrial research and international consulting; seeks North American position. Current research interest in biomedical, biomechanical topics. M. Brady, Box 154 Vinderen, Oslo 3, Norway; telephone (47 2) 148274.

10/22, 29; 11/5, 12

### POSITIONS WANTED

**Immunologist/Biochemist**, M.A. 1980. Six years of research experience in murine immunogenetics, biochemistry, and hybridoma technology. Skills include T and B cell differentiation assays, fractionation of lymphocyte subpopulations by numerous procedures, and electrophoresis of radiolabeled cellular proteins. Several publications. Seeks industrial position in San Diego. Box 278, SCIENCE. X

**Pesticide Residue Chemist**. Experienced in pesticide residue analysis of animal feed, feed ingredients, fat and other agricultural commodities. Postdoctoral experience. Ph.D. (agronomy) and M.S. (organic chemistry). Telephone: 601-373-0264 after 5 p.m. CDT. Write: Box 267, SCIENCE.

10/22; 11/5, 19; 12/3

**Programmer/Analyst**, M.S.E.E. 1964. Consulting and short-term contract programming, specializing in difficult engineering applications, microprocessor-based systems, data acquisition/analysis, and fast video image processing, using assembler as well as high level languages. P.O. Box 971, Amherst, Mass. 01004; telephone: 413-549-3994. 10/22, 29; 11/5

**Renewable Resources Specialist**. Ph.D. Seeks opportunity to apply ecological, economic, and mathematical background toward the solution of natural resource use and development problems. Excellent communication and problem solving skills, highly motivated. Applied research experience in population dynamics and environmental toxicology. Box 284, SCIENCE. 10/22, 29

**Toxicologist**. Ph.D. Four years of experience. Generalist, with expertise in cancer, mutagenicity, and immunotoxicity assessment. Consulting: occupational/environmental health, chemical regulations, FIFRA, TSCA, MSDS, Petroleum, coal, pesticides, industrial chemicals, consumer products. Box 285, SCIENCE. X

### POSITIONS OPEN

#### ANATOMY FACULTY POSITIONS

Applications are invited for tenure-track faculty positions in the areas of cell motility, cell surface, neurobiology, or cellular aspects of development. One position will be at the assistant professor level and the other will be at the assistant or associate level. Applicants are invited to submit curriculum vitae, statement of research interests, and three letters of recommendation by 15 December 1982 to: **Dr. David R. Burgess, Department of Anatomy and Cell Biology (R-124), University of Miami School of Medicine, Miami, Florida 33101. Equal Opportunity/Affirmative Action Employer.**

The Child Study Center at Yale has an **ASSISTANT PROFESSORSHIP** for a person to work on the genetics of behavioral disorders in children as part of an interdisciplinary group working on the genetics of Tourette's syndrome, childhood depression, and stuttering. The individual will be expected to develop an independent research program in this general area. Qualifications include postdoctoral training and expertise in human genetics and family studies of psychiatric disorders. Submit résumé and names of three references by 15 December 1982 to: **Dr. John Schowalter, Yale Child Study Center, 333 Cedar Street, New Haven, Conn. 06510. An Equal Opportunity/Affirmative Action Employer.**

**ASSISTANT/ASSOCIATE PROFESSOR OF LIVESTOCK ENTOMOLOGY.** The Department of Entomology at the University of Maryland invites applicants for a tenure-track position available 1 July 1983. Incumbent will develop basic research programs to support livestock and poultry IPM, and will serve as Extension resource for agents and producers of livestock and poultry. Candidates should possess the Ph.D. in entomology or a related field, and should document training or experience with insects affecting man and animals. Closing date is 15 January 1983 or until a suitable applicant is found, whichever is later. Candidate should forward letter of application, curriculum vitae, and names and addresses of three references to:

**Dr. F. E. Wood**  
Department of Entomology  
University of Maryland  
College Park, Md. 20742

The University of Maryland is an Equal Opportunity Institution with respect to both Education and Employment.