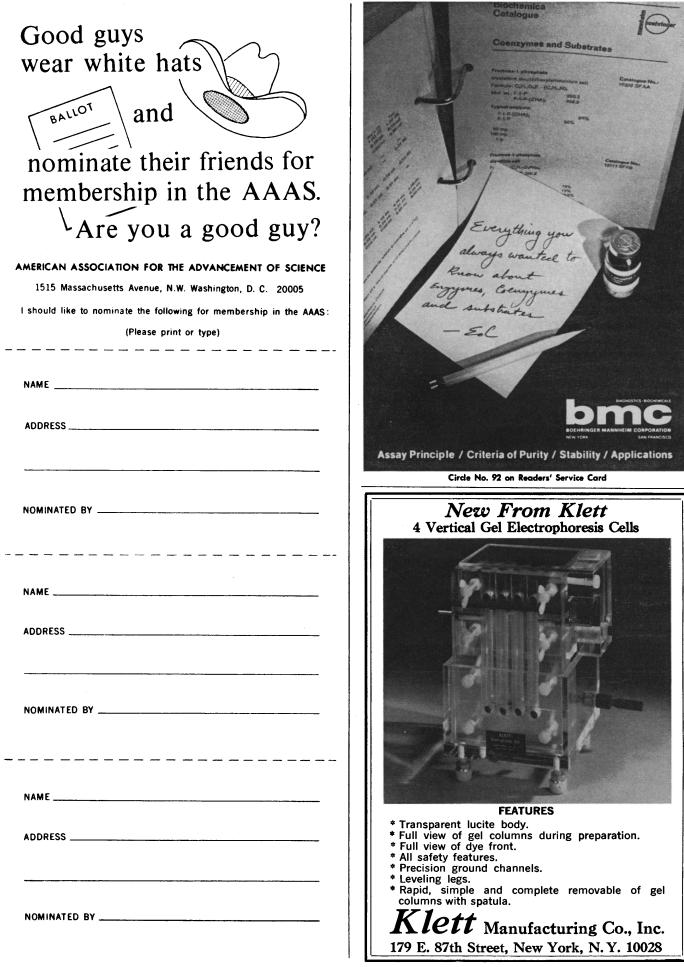


23 FEBRUARY 1973



Circle No. 91 on Readers' Service Card

Personnel Placement

- POSITION WANTED: 40¢ per word, mini-mum charge \$10. Use of Box Number Counts as 10 additional words. Payment in advance is required. These rates apply to individuals only. Personnel agencies and companies take display rate for all adver-
- companies take display rate for all adver-tising. POSITIONS OPEN: \$110 per inch. No charge for Box Number. Rates net. No agency commission allowed for ads under 4 inches. No cash discount. Ads over 1 inch will be billed to the nearest half inch. Payment in advance is required except where satis-factory credit has been established. COPY for ads must reach SCIENCE 4 weeks. before issue date (Friday of every week). Send copy for Personnel Placement adver-tising to:

SCIENCE, Room 211 1515 Massachusetts Ave., NW Washington, D.C. 20005

Replies to blind ads should be addressed as follows:

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

POSITIONS WANTED

Administrator/Assistant Chairman/Physiologist, Ph.D. Assistant chairman large urban university, 5 years. Experience in curriculum development, grant proposals, interuniversity programs. Teach-ing/research experience. Desires administration/ teaching. Box 72, SCIENCE. X

Animal Scientist, Ph.D., British, 39, seeks per-manent position in the United States, Specialist in swine and poultry nutrition. Experience in U.S. and U.K. universities, research coordination, and administration (government). Interests agriculture, food production, waste disposal, writing. Attend-ing FASEB meeting. Box 76, SCIENCE. X

Biochemist, Ph.D. 1968. Experience: protein and virus structure, biochemical virology, immuno-chemistry. Techniques: protein purification, radio-isotope labeling, analytical centrifugation, ORD. Box 77, SCIENCE. X

Biochemist, Ph.D. experienced in enzymology, pro-tein fractionation, and peptide hormone metab-olism. Desires research position in Washington, D.C., area. Box 78, SCIENCE. X

Biologist/Biophysicist, Ph.D. Four and a half years of postdoctoral research in photobiology, photosynthetic bacteria, and algae. Experienced in isolation of photochemical reaction centers, math-ematical modeling of photosynthetic systems, and computer programming. Desires teaching and/or research position. Available September 1973 or earlier. Box 79, SCIENCE. X

Botanist, Ph.D., 1970, 4 years of teaching experi-ence in general botany, general biology, and plant taxonomy. Publications. Desires teaching and/or research position in rural college/university. Box 80, SCIENCE. X

Cellular Biologist/Physiologist/Electron Micros-copist. Ph.D. NIH postdoctoral fellow. Some teaching experience. Current research: develop-ment, evaluation, and application of organ per-fusion systems for metabol.c studies. Additional research in biological effects of ultrasound, melanin biosynthesis, and lipoproteins. Extensive experi-ence in electron microscopy and biochemical tech-niques. Desires academic position. Box 81, SCI-ENCE.

Chemical Crystallographer, Ph.D., 1969. Synthetic organic/physical chemistry background. Much experience in single-crystal and powder work, technical writing, editing, Fortran programming. For résumé write Box 82, SCIENCE. X

Consultation in Veterinary and Comparative His-topathology: board-certified veterinary pathologists will examine stained sections of animal tis-sues for toxicologic, research, or diagnostic studies. Box 61, SCIENCE. 3/2

23 FEBRUARY 1973

POSITIONS WANTED

Dynamic Teacher desires position at institute with strong undergraduate commitment. Interdisciplinary interests; evolutionary biology, zoology; teaching experience at secondary and college levels. Ph.D. (June 1973); Ed.D. (Sept. 1973). Box 83, SCI-ENCE. X

Ecologist wishes to be recycled. Trained in mam-mal populations, behavior, community structure. Seeks socially relevant position involving research, teaching, environmental assessment, consulting, or administration. Human population ecology partic-ularly interesting. Box 84, SCIENCE. X

Environmental Biologist, Ph.D. 1967; desires challenging position in the field of environmental management and protection, academic or non-academic employment. Box 85, SCIENCE. X

Limnologist, Ph.D., 4 years of teaching experience in ecology, limnology. Research in diatom and invertebrate community dynamics. Prefers mid-west. Box 86, SCIENCE. X

Material Scientist, Ph.D., 30, returning from Europe desires fall teaching/research position. In-terdisciplinary background in metals and non-metals includes both industrial and postdoctoral experience. Presently working with polymeric glasses and expecting more than six publications in next 18 months. Write Michael Mindel, 4 rue des Moulins, 67000 Strasbourg, France. X rue des Moulins, 67000 Strasbourg, France.

Medical Education curriculum, implementation and evaluation design for undergraduate, graduate, and postgraduate programs for health professionals. Also experience in workshop design and group process. Have M.Ed, in medical education with 5 years of experience as above. Have Ph.D. in microbiology with 15 years of experience in medical school teaching and research; particularly immunology and mycology. Desires position in in-novative program. Box 87, SCIENCE.

Neurochemist, Bioorganic Chemist, Ph.D. Research experience in biogenic amines, cyclic AMP, adenyl cyclase, neurochemical determinations, Strong back-ground in bioanalytical techniques and organic chemistry. Desires teaching or research position, Box 88, SCIENCE. X

Neurochemist: Addictive drug effects on CNS and the neurochemical basis of psychoses, Publica-tions. Seeks a research-oriented position. Box 89, SCIENCE. X

Neuropharmacologist, 34, Ph.D. Experience in electrophysiology and teaching. Visiting United States (New York) in April. Seeks interviews for positions open in fall of 1973. Box 90, SCIENCE. X

Neurophysiology Ph.D. 1971. Two years of college teaching (organism biology). Desires teaching or teaching research. Dr. Robert Tarr, Department of Biology, Bard College, Annandale, N.Y.

Pathologist, D.V.M., Ph.D., Board certification. Teaching, diagnostic, and research experience. Box 91, SCIENCE. X

Ph.D. in physiological psychology with postdoc-toral research experience, specializing in elec-trophysiology, seeks position with opportunity for research. Box 92, SCIENCE. X

Ph.D. candidate (medical virology), enjoys moti-vating and communicating with students, seeks teaching position in microbiology. Lecture ex-perience and broad science background. Avail-able 1 June 1973. Box 93, SCIENCE. X

Ph.D. Physicist, Fellow Phys. Soc., with fine re-search accomplishments (experimental). Teaching experience at university level. At present with major industrial laboratory. Seeks position with 4-year college where he can participate in, up-grade, or set up a good physics or science-mathe-matics program. Some management experience. Box 67, SCIENCE. 3/2, 9, 16, 23, 30; 4/6

Physics Teacher. Ph.D. available in September 1973. Nearly 10 years of experience teaching introductory, undergraduate, and graduate physics. Several publications. Research and development experience. Interested in part- or full-time college physics teaching. Box 96, SCIENCE. X

Physiological Psychologists (Ph.D.'s 1969). Hus-band (32), wife (31) team desires to share teach-ing/research position(s) in an innovative de-partment. Publications, postdoctoral research, teaching experience. Children. Box 97, SCIENCE. X

Physiologist, Invertebrate/Vertebrate, 31, Ph.D. 1970. Two year postdoc., currently Assistant Pro-fessor midwestern university. Interests: biochemical bases of adaptive response. 17 publications: JEZ, JIP, CBP, BB, AJP. Desires academic position with opportunity for research, teaching, and gradu-uate students. Box 98, SCIENCE. X



POSITIONS WANTED

Physiologist, Ph.D., 1971; publications in cardi-opulmonary physiology and pharmacology; de-sires challenging academic/research position in United States or Canada. Box 99, SCIENCE. X

Plant Ecologist, Ph.D. plus 1 year teaching, 3 years of research experience, seeks university teaching/research work in city under 200,000 population. Special training: mathematics, comput-ing, physics. Interests: ecological physiology, sys-tems models, agricultural meteorology, vegetation. Box 94, SCIENCE. X

Plant Physiologist/Biologist, Ph.D. Seven years of experience; publications. Teaching interest, botany (general, physiological, ecological, developmental); general biology. Research interest in cryobiology. Seeks academic or industrial position. Available immediately or September 1973. Box 95, SCI-ENCE. X

Psychologist, 29, Ph.D. (1970). Three years of post-Psychologist, 29, rn.D. (176), take your doctoral research: perception, memory, psycho-linguistics, dyslexic children. Publications. Seeking educational research/development. Box 100, SCI-ENCE

Research Assistant, M.S. in biochemistry. Experi-enced in protein biochemistry. Academic train-ing in pharmacology and neurology. Desires posi-tion in psycho- or neuropharmacology research. Box 101, SCIENCE. X

Sensory Psychologist, 30, with specialization in psychoacoustics and auditory physiology. Ph.D. postdoc, publications. Seeks research and/or teach-ing position in university, hospital, or industry for fall 1973. Box 102, SCIENCE. X

Virologist/Immunologist, D.V.M., Ph.D. (1972). Viral immunology, biometrical applications/infec-tion and immunity, tissue culture. Postdoctoral teaching/research experience. Seeks position with niversity or industry, research emphasis, Box 103, SCIENCE.

Woman Biochemist/Biophysicist: Ph.D. 1966, teaching, postdoctoral experience. Publications, re-search in structural analysis of biological systems —EM, optical diffraction, ORD, CD. Seeks aca-demic, medical, or research institute position. Box 104, SCIENCE. X

POSITIONS OPEN

ASSISTANT PROFESSOR

ASSISTANT PROFESSOR Ph.D. or M.D., one or more years of postdoc-toral research experience in transport, cellular, or somatosensory physiology. Applications (curricu-lum vitae, three references) to: Chairman, Faculty Recruitment Committee, Department of Physiology and Biophysics, West Virginia University Medical Center, Morgantown, W.Va. 26506.

Equal Opportunity Employer

ASSISTANT PROFESSOR/INSTRUCTOR POSITION; POSTDOCTORAL TEACHING FELLOWSHIP

FELLOWSHIP Both available September 1973. Assistant Pro-fessor rank requires Ph.D. Responsibility to co-ordinate freshman level courses per 2000 students annually. New postdoctoral TEACHING fellow-ship requires Ph.D. Successful applicant must demonstrate desire to excel in teaching. Appoint-ment may be renewed for second year. Send complete application including curriculum vitae, transcripts, and three letters of reference to: Dr. Charles M. Vaughn, Chairman, Department of Zoology, 282 Upham Hall, Miami University, Ox-ford, Ohio 45056. An Equal Opportunity Employer

An Equal Opportunity Employer

Individuals may obtain the current list of all available faculty and administrative academic positions at the University of Minnesota (a multi-campus institution) by contacting Nancy Groves, Academic Administration, University of Min-nesota, 213 Morrill Hall, Minneapolis, Minnesota, 55455 (612-373-2101). Inquiries from foreign coun-tries will be honored only when international postage reply coupons are enclosed. Equal op-portunity employer. Inquiries from minorities and women are welcomed.

CELLULAR PHYSIOLOGIST

CELLULAR PHYSIOLOGIST Department of Zoology, University of Mary-land at College Park, needs to strengthen its teaching and research programs in physiology. Applicants should be qualified to teach both a graduate course emphasizing the biochemical approach to cellular physiology and an under-graduate course in vertebrate organ physiology. Excellent faculty research facilities available. Sal-ary and rank negotiable. Submit curriculum vitae before 1 March 1973 to Dr. John O. Corliss, Chairman. before *i* Chairman.

An Equal Opportunity Employer



The MAX-PLANCK-GESELLSCHAFT zur Foerderung der Wissenschaften e. V.

An equal opportunity employer m/f

has arranged a group project involving the utilization of haploid cells from the products of meiosis (Gonen) and the production of haploid plants which would be useful in plant breeding.

The group will be located at the Max-Planck-Institute for Plant Genetics in Rosenhof near D 68o2 Ladenburg/Heidelberg. Such a group will initially consist of a research scientist with five technical assistants. The laboratory facilities, climate chamber, greenhouse and workshop of the Institute are partially at the disposal of this group. A committee of experts consisting of geneticists, plant breeders and plant biochemists controls and chooses together with the project leader the research topics. The ultimate goal would be the application of this work to plant breeding. This project is limited to a five year period. Payment according up to group Ia of the Bundes-Angestelltentarvifvertrag (BAT). Candidates should possess knowledge and practical experience with plant cell and tissue culture.

Applicants should address to the chairman of the committee: Professor G. Melchers, Max-Planck-Institut fur Biologie D 74 Tubingen, Corrensstr. 41

POSITIONS OPEN

UNIVERSITY OF TORONTO. Applications are invited for the position of **ASSISTANT PROFES-SOR OF ZOOLOGY** in the field of freshwater animal ecology. Applicants should be oriented toward field experiments and have combined in-terests in community analyses, whole system vari-ables and quantitative modeling. The position will be tenable at the Erindale College Campus from 1 July 1973. Salary by negotiation (minimum \$11.500)

1 July 1973. Salary by negotiation (minimum \$11,500). Applications with curriculum vitae should be sent to the Chairman of the Selection Committee, Professor B. I. Roots, University of Toronto, Erindale College, Clarkson, Ontario, Canada. Con-didates should arrange for three letters of refer-ence to be sent to the same address. Closing date 17 March 1973.

DEPARTMENT OF BIOLOGY, AMERICAN UNIVERSITY OF BEIRUT, is recruiting teach-ing-research faculty for Fall 1973 in the follow-ing areas: biological oceanography, general ecol-ogy, fisheries biology, chemical and physical oceanography, and marine microbiology. More than one opening is anticipated at Assistant or As-sociate Professor rank. Ph.D. required, postdoc-toral experience preferred. Travel, relocation, and liberal fringe benefits included. Applications with letters of reference should be addressed to Dr. Philip Basson, Chairman, Department of Biology, American University of Beirut, Beirut, Lebanon, with application copies to Personnel Services, American University of Beirut, 305 East 45 Street, New York 10017.

FACULTY OPENINGS DEPARTMENT OF BIOLOGY UNIVERSITY OF PITTSBURGH

UNIVERSITY OF PITTSBURGH Applications are invited for faculty positions to be filled in several areas of specialization. Successful applicants will be expected to assume responsibilities in undergraduate and graduate teaching and to develop an active research pro-gram. Salary and rank will be commensurate with experience and qualifications. Consideration will be given to the following areas of speciali-zation: INVERTEBRATE BIOLOGIST—with in-terests in the ecology or physiology of freshwater invertebrates. DEVELOPMENTAL BIOLOGIST —with research interests at the molecular level. GENETICIST—interested in the genetics of pro-tistans or in behavioral genetics. FINE STRUC-TURE BIOLOGIST. NEUROBIOLOGIST. PLANT PHYSIOLOGIST. Applications, including a curriculum vitae, se-

Applications, including a curriculum vitae, se-lected reprints of published papers, three letters of reference, and a statement of current research interests, should be sent to Richard T. Hartman, Chairman, Department of Biology, University of Pittsburgh, Pittsburgh, Pa. 15213.

The University of Pittsburgh has an Affirmative Action Program, Women and Minority Persons Are Encouraged to Apply.

Are Encouraged to Apply. Opening 1 July 1973 for CLINICAL INVESTI-GATOR M.D. FOR ASSOCIATE DIRECTOR of internationally known state mental hospital re-search laboratory. Strong traditions of financial support from state for personnel and scientific materials; excellent neuroscience and clinical fa-cilities. Ongoing major research in biochemistry of mental illness. Emphasis upon clinical and biological studies related to mental disorders. Access to patient populations including a develop-ing statewide network for obtaining biological samples. Relatively young investigators with dem-onstrated research competence as well as estab-lished scientists will be considered. Faculty ap-pointment in a new School of Clinical Medicine can be arranged. Competitive salary according to qualifications and experience. Applicants please submit (i) résumé and (ii) a 500-word statement describing the applicant's pro-posed research activities and objectives. Applica-tions will not be reviewed until these materials have been received. Deadline for all applications is 20 April 1973. Sex, race, religion, or ethnic origins of applicant are immaterial. Address replies to: Peter K. Levison, Ph.D., Division of Research & Development, General Office, Illinois Boepartment of Mental Health, 160 N. LaSalle Street, Room 1500, Chicago, Illinois 60601.

Illinois 60601.

DEVELOPMENTAL BIOLOGIST

DEVELOPMENTAL BIOLOGIST The University of Minnesota, Morris (an under-graduate Liberal Arts college with less than 2000 students) is seeking a developmental biologist with a broad background. The person asked to join us will be expected to participate in the General Biology course, as well as teach Developmental Biology and a course in another area of that person's interests. Research facilities are good, Appointment will be as Assistant Professor and salary is open. The position will be available in September of 1973 and interested persons are asked to write to Professor Jay V. Roshal, Search Committee, Division of Science and Mathematics, University of Minnesota, Morris-, Minne-sota, 56267. The University of Minnesota is an equal opportunity employer. Applications from women and members of minority groups are in-vited.

POSITIONS OPEN

DEAN OF SCIENCE AND ENGINEERING

Teaneck Campus. Qualifications: Earned Doctorate in Science or Engineering, substantial administra-tive and teaching experience. Salary open. Sub-mit résumé to: Dr. Peter Walsh, Search Commit-tee, Fairleigh Dickinson University, Teaneck, N.J. 07666. tee, r. 07666.

DIRECTOR OF A FRESHWATER BIO-LOGICAL RESEARCH INSTITUTE—Success-ful candidate must have a Ph.D. in some aspect of the biological sciences and 15 to 25 years of experience as a research scientist and teacher. The principal responsibility of the successful candidate will be to develop and manage a co-herent, ecologically oriented, research and train-ing program dealing with freshwater organisms and those factors that influence their nature and development. Applications, including curriculum vitae, names of five references, and a list of publications, should be sent to Richard S. Caldecott, College of Biological Sciences, University of Minnesota, St. Paul 55101. An Equal Opportunity Employer.

GENETICIST

Genetics Department, University of California, Davis, seeks a Geneticist at assistant professor rank; Ph.D. required. Send curriculum vitae, re-prints, and so forth, to Search Committee, De-partment of Genetics, University of California, Davis, California 95616. The University is an Equal Opportunity Employer.

INSTRUCTOR/ASSISTANT PROFESSOR

Position available in the Department of Internal Medicine, University of Michigan Medical Center. Candidate must be a physician, board qualified in clinical oncology, with demonstrated research abil-ity, or interest, in clinical oncology, preferably pharmacology of antitumor agents. Will function as an internist and clinical oncologist and will also have teaching responsibilities in the Medical School, Code #900N. Send résumé to **Box 105**, **SCIENCE**. A Nondiscriminatory Affirmative Ac-tion Employer.

Medical Writer

Our expanding Medical Communica-tions Unit seeks to acquire the talents and knowledge of a seasoned Medical Writer capable of researching, devel-oping, writing and editing scientific reports in various formats, including exhibits, reviews, monographs, and other technical documents. All candi-dates must be able to present sub-stantial documentation of specifically related experience.

Very attractive career opportunity, of-fering compensation based upon ex-perience, plus a comprehensive em-ployee benefits program.

ployee benefits program. Interested, qualified writers are asked to submit a detailed resume along with salary requirements in full con-fidence to: Mr. C. R. Grupe, The Pharmaceuticals Division of CIBA-GEIGY Corporation, 556 Morris Ave-nue, Summit, New Jersey 07901. We are an equal opportunity employer/ male and female.

CIBA—GEIGY

POSITIONS OPEN

ASSISTANT PROFESSORSHIPS IN MICROBIOLOGY, IMMUNOLOGY, AND DEVELOPMENTAL BIOLOGY

A modern, well-equipped department, growing rapidly and located in a progressive mid-Atlantic state university, seeks applicants who have at least 2 years of postdoctoral experience, are com-mitted to quality teaching, and have a proven ability to initiate and continue a vigorous re-search program. Include a curriculum vitae, names of suggested referees, and a description of your research interests. Inquiries are especially invited from (but not limited to) women and minority groups. Box 106, SCIENCE.

NEUROCHEMISTRY

NEUROCHEMISTRY Postdoctoral Research Associate to assist in program dealing with effect of spinal cord trauma on myelin. Will be involved in (i) characterizing spinal cord myelin constituents, (ii) studying the disruption of the lipid-protein matrix following trauma, and (iii) defining the role of lysozymes in this disruption. Position now available. Include résumé and references to Dr. Seymour Joffe, University of Miami School of Medicine, Miami, Fla. 33152.

SIMON FRASER UNIVERSITY PHYSICAL BIOCHEMIST

Applications are invited for appoint-ment as the rank of Full Professor, to teach and carry out research in Physical Biochemistry. Applications from Ca-nadians wishing to return to Canada will be particularly welcome.

Curriculum vitae and the names of three referees to:

> Dr. T. N. Bell (Chairman) **Chemistry Department** Simon Fraser University Vancouver, B.C., Canada

from whom further particulars may be obtained.

PHYSIOLOGIST

PHYSIOLOGIST Assistant or Associate Professor of Physiology to start as early as 1 September 1973. No area of specialization is specified although special in-terest in respiratory or cardiovascular physiology may be preferred. The successful candidate will be expected to participate in undergraduate and graduate teaching and to continue a high-quality research program. Applicants should send curric-ulum vitae and names of three referes to: Dr. D. G. Sinclair, Department of Physiology, Queen's University, Kingston, Ontario, Canada.

Ph.D. PHYSIOLOGICAL ECOLOGIST

To teach Animal Ecology and one semester of a general zoology course; appointment at As-sistant Professor level effective 1 September 1973. Send curriculum vitae and names and addresses of three references to: Kenneth W. Allen, Chair-man, Zoology Department, University of Maine at Orono, Orono, Maine 04473.

An Equal Opportunity Employer

PROTEIN STRUCTURE-CRYSTALLOGRAPHY ASSISTANT PROFESSOR. Applications are sought for an anticipated position requiring teaching (undergraduate and graduate) and re-search, effective September 1973. Should have research interest in protein structure and function, including x-ray crystallographic techniques. Post-doctoral experience necessary. University has Af-firmative Action policy in effect. Send vitae and recommendations to Dr. R. Bentley, Chairman, Department of Biochemistry, Faculty of Arts and Sciences, Crabtree Hall, University of Pittsburgh, Pittsburgh, Pa. 15213.

RADIOIMMUNOASSAY TECHNOLOGY ANTIBODY DEVELOPMENT, IODINATION, REAGENT PRODUCTION Prime opportunity with rapid growth, young company specialized within the in vitro diagnostic test field. Advanced degree in biochemistry or related science required. Individual must be thor-oughly experienced and knowledgeable in hormone radioimmunoassay techniques with high qualifications for a position in either Antibody Stimulation, OR Hormone Iodination and Purification, OR Management of Chemical Reagent Production and Technicians. Must be quality-conscious individual possessing up-to-date, concentrated experience in the radioimmunoassay field. Individual must be creative and capable of attaining R & D results; must be decisive and practical in discharging production and management responsibilities. Compensation and incentives relative to education, experience, creativity, problem solv-ing abilities and work ethic. Forward RESPONSIVE resume or letter in complete confidence to: M. S. McCALL, Vice President NUCLEAR-MEDICAL LABORATORIES, INC. P.O. Box 47864, Dallas, Texas 75247

23 FEBRUARY 1973

Associate **Technical Director** for Materials Science and Head. **Materials** Department \$31,000-\$36,000

The Naval Ship Research & Development Center is seeking qualified scientist to direct the R&D program of its Material Department, located in Annapolis, Maryland. The Materials Department is the

Navy's primary materials R&D facility for ships, submarines, and surface craft and serves as the Center's focal point, and Navy and DOD major reference point, for knowledge of the technology and application of materials. The Department's mission is to originate, plan, and conduct research, development, test and evaluation studies in materials technology for the accomplishment of their missions. Areas of emphasis include both metallic and nonmetallic materials, and the technology for their fabrication and use, shipboard fire engineering, water pollution abatement, air contamination control, lubrica-tion, ocean environment effects, and corrosion control.

As Head of the Materials De-partment he will be responsible for planning, directing, and review-ing the work of the Department. As Associate Technical Director he has the responsibility for planning and formulating broad technical programs and missions in materials science and technology, negotiating new program assignments, and providing consultation in the fields to industry and other government agencies.

We are looking for applicants who have a Doctorate in Metallurgy or Materials Science or a related engineering field and who possess stature and recognition in the fields listed above.

This position carries a salary range from \$31,000 through \$36,-000 per annum (dependent upon the qualifications of the person selected).

The Center is located at Cardeof downtown Washington, D.C.) and at Annapolis, Maryland (on the north shore of the Severn River, opposite the U.S. Naval Academy). The sites are approximately miles apart.

Career Civil Service benefits apply.

Please submit resume and/or SF-171 (Application for Federal Employment) to:

NAVAL SHIP RESEARCH & DEVELOPMENT CENTER **Civilian Personnel Department** Code 712 (PA-S)

Bethesda, Maryland 20034

An Equal Opportunity Employer

Growth Opportunity Vet. Pathologist or Toxicologist/Ph.D.

Our major East-coast, rapidly expanding industrial client seeks articulate, decisive scientist with administrative bent who will work with excellent team.

Should have interests and/or experience in drug or materials toxicology/pathology, electron microscopy, and experimental surgery.

Academic background and industry supervisory experience desirable. Opportunity to manage several senior scientists and groups.

Outstanding compensation package and managerial potential. Beautiful rural surroundings. Client pays all fees. Send complete resume and salary history at once to:

SAMPSON . NEILL (sn) ASSOCIATES INC

543 Valley Road Upper Montclair, N.J. 07043 (201) 783-9600

First in Executive Search For the Health Industries

SCANNING ELECTRON MICROSCOPIST

Challenging growth position for Scientist to operate new SEM and interpret results for our Eastern client, world leader in its field. Includes specimen preparation, operation and maintenance of SEM, interpretation of results and preparation of reports.

Requirements: B.S. or M.S. degree with industry or academic experience with Scanning Electron Microscope. Also working knowledge of nondispersive X-ray analysis, transmission electron microscopy, and optical microscopy - including materials such as metals, polymers, ceramics, organics and inorganics.

Please send curriculum vitae and salary requirements in confidence to:



SAMPSON • NEILL ASSOCIATES INC

543 Valley Road Upper Montclair, N.J. 07043 (201) 783-9600

First In Executive Search For the Health Industries

POSITIONS OPEN

MONASH UNIVERSITY (Melbourne, Australia) DEPARTMENT OF OBSTETRICS AND GYNAECOLOGY **RESEARCH FELLOW (POSTDOCTORAL)**

Applicants should be graduates in Science or Medicine with doctorates. The position is for an initial period of 2 years, commencing as soon as possible in 1973, to investigate the production and function of prostaglandins in the human with special reference to fertility.

Salary: \$5920 to \$7914 per annum (Australian). Further information and application procedures are available from the Academic Registrar, Monash University, Wellington Road, Clayton, Victoria 3168.

Closing date: 28 February 1973.

The University reserves the right to make no appointment or to appoint by invitation.

RESEARCH SCIENTIST

RESEARCH SCIENTIST Excellent position available in well-known eastern medical institution for individual experienced in purification and characterization of blood serum proteins, Must be capable of assuming super-visory responsibility for routine protein produc-tion. Qualified applicants should have a Doctor's Degree in Biochemistry or equivalent experience. Minimum of 5 years' work in protein chemistry, ion exchange and gel filtration chromatography, zone electrophoresis, characterization and purity analysis of proteins is required. A competitive salary and liberal fringe benefits are offered. Send résumé of qualifications and salary require-ments to **Box 71, SCIENCE**. *An Eaual Opportunity Employer M/F*

An Equal Opportunity Employer M/F

Science is looking for young scientists with writing ability to prepare material for the Re-search News section. The position requires good judgment as to what is significant, the ability to related journalistic skills, some of which may be acquired on the job. The position offers the a unique perspective on research with some of hividuals who do not wish to follow traditional academic career patterns may find in this op-portunity an alternative to postdoctoral research with training in one of the

portunity an alternative to postdoctoral research appointments. We are particularly interested in applicants with training in one of two areas: electrical engi-neering, solid state physics, materials sciences, and social and behavioral sciences. We expect a successful applicant to have interests that cover the full range of disciplines within that broad area. The position is full-time and will require relocation to the Washington, D.C., area. Training to the Ph.D. and some journalistic experience are preferable. Address applications, including résumé and statement of interests, to William Engelman, 1515 Massachusetts Avenue, NW, Washington, D.C. 20005. Equal Opportunity Em-ployer. ployer

Scientific information service seeks alert and imaginative person for new senior administrative position. Responsibility will require broad knowl-edge of life sciences as well as interest in manage-ment and administration. Ph.D. preferred. Eastern seaboard. Equal opportunity employer. Send résumé to

Box 107, SCIENCE

SENIOR TECHNICIAN-IMMUNOCHEMISTRY

M.S. in Biochemistry with substantial research experience (4 to 5 years) in preparative and quantitative immunological techniques, immuno-fluorescence, immunoelectrophoresis, and so forth. A challenging position for a person with initiative in an independent research institute. Salary \$10,000 to \$12,000 depending primarily upon ex-perience and proven skills. Send curriculum vitae and names of two professional references who may be contacted to **Dr. D. I. Hay, Forsyth Dental Center, 140 Fenway, Boston, Mass. 02115**.

PROFESSOR OF SURGERY

Profitors available immediately in the Department of Surgery, University of Michigan Medical Center, Candidate must be highly experienced pediatric general surgeon who will head a new Section of Pediatric Surgery. Must possess the administrative and scientific background to develop this section. Must also be qualified to develop a pediatric surgical residency program. Please send résumé to **Box 108, SCIENCE**. A Non-discriminatory Affirmative Action Employer.

GRADUATE STUDY

POSTDOCTORAL FELLOWSHIP IN ANATOMY

Position available about 1 July 1973, Work in-volves measurement of effects of hormones and ions on formation, mineralization and resorption in rat bone. Annual stipend is about \$9000, Apply to

D. Baylink, M.D. Veterans Administration Hospital 4435 Beacon Avenue South Seattle, Washington 98108

POSTDOCTORAL APPOINTMENT IN CELLULAR AGING

Excellent opportunity for support of training and research in Biological Gerontology in first-rate medical school. Stipend according to years of postdoctoral experience, plus dependency allow-ances. U.S. citizenship or permanent residence required; 1 June 1973 appointment. Send résumé to: **Box 109, SCIENCE**.

PREDOCTORAL ASSISTANTSHIPS

Excellent opportunities are available for grad-uate students to pursue a Ph.D. in contemporary areas of Biological Sciences. Stipends are avail-able up to \$3500 for 9 months, up to \$800 addi-tional for the summer. For details write to: Dr. C. P. Sword, Chairman, Life Sciences De-partment, Indiana State University, Terre Haute, Indiana 47809.

UNIVERSITY OF CALGARY, Graduate Teach-ing and Research Assistantships are available for students proceeding to the Ph.D. or M.Sc. de-grees in all branches of CHEMISTRY AND BIOCHEMISTRY. The assistantships are valued from \$3600 to \$4600 per annum and carry re-mission of fees and a travel allowance. For further information write to: Department of Chemistry, Chairman of Graduate Studies, University of Calgary, Calgary, Alberta, T2N 1N4, Canada.

COURSES

MARINE SCIENCE

DUKE UNIVERSITY MARINE LABORATORY Summer Courses—Graduate/Advanced Under-graduate. 18 June: Ecology, Comparative Bio-chemistry, Invertebrate Embryology, Microbiol-ogy, Physiological Ecology, Geological Ocean-ography, Chemical Ecology, Geological Ocean-ography, Chemical Oceanography. 23 July; Membrane Physiology, Invertebrate Zoology, Biological Oceanography, Phycology, Endocrinol-ogy, Comparative Behavior. Write: Director, Duke University Marine Laboratory, Beaufort, North Carolina 28516.

THE FOURTH SUMMER COURSE IN TISSUE CULTURE, 3 TO 27 JULY 1973 UNIVERSITY OF SASKATCHEWAN DEPARTMENT OF ANATOMY AND EXTENSION DIVISION

The course will introduce basic principles of mammalian and plant tissue cultures. It will in-clude laboratory work, demonstrations, seminars, informal discussions and lectures. It is intended primarily for persons with doctors' or masters' degrees. For more information write or telephone, Dr. S. Fedoroff, Department of Anatomy, Uni-versity of Saskatchewan, Saskatoon, Sask., S7N OWO, Canada, Telephone: 306-343-2661.

WORKSHOP

MOLECULAR TECHNIQUES IN DEVELOPMENTAL BIOLOGY

DEVELOPMENTAL BIOLOGY Sixth Annual Summer Workshop to be held 2 July to 28 July 1973 at the San Diego (La Jolla) campus of the University of California. The workshop emphasizes laboratory instruction in molecular and biochemical techniques useful to animal and plant physiologists and develop-mental biologists. Enrollment restricted to 22 participants. Expenses are paid by the National Science Foundation. For further information and application forms write to Dr. Stephen Howell, Department of Biology, University of California, San Diego, La Jolla, Calif. 92037. Deadline for applications: 1 April 1973.

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