

## BIOPHYSICIST OR PHYSIOLOGIST

The Biological and Medical Research Division of Argonne National Laboratory has an opening for a recent Ph.D. graduate to conduct research on the biophysical aspects of the action of gravity on plant growth and development.

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## Calcification in Biological Systems

AAAS Symposium Volume No. 64

Edited by R. F. Sognnaes

July 1960

526 pp., 283 illus., \$9.75,  
AAAS members' cash orders, \$8.50

This monograph deals comprehensively with the mechanism of mineral deposition throughout the animal kingdom. Current research approaches, findings and hypotheses are presented by investigators representing disciplines ranging from physical chemistry and histochemistry to electron microscopy and tissue culture. The central theme revolves about the question, "Why do certain normal and pathological tissues calcify?"

The 22 chapters are organized in an evolutionary sequence; (1) calcification within unicellular organisms and various lower animals, that is, the shells of the mollusc, the gastrolith and exoskeleton of the lobster, the mineralizing leg tendon of the turkey and the otolithic organ of the rat; (2) elements and mechanisms involved in the calcification of cartilage, bone, dentin, enamel and various pathological concretions; (3) experimental observations in organ transplants and in tissue culture; and culminating with (4) the physical and chemical nature of and relationship between the ultimate inorganic and organic building blocks most typical of normal calcification in the human organism.

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**Biochemist**, Ph.D.; 10 years' experience in isolation and physical characterization of proteins and enzymes. Desires teaching position with research opportunity or research position in academic atmosphere. Box 76, SCIENCE. X

**Cell Physiologist**, recent Ph.D. Publications, experienced cell division and motility, biophysics. Seeks research and/or teaching position, home or abroad. Box 81, SCIENCE. X

**Clinical Chemist**, M.S.; 12 years' experience with university-affiliated hospital to supervise department and personnel training in general hospital. Box 78, SCIENCE. X

**Geneticist**: male finishing Ph.D. University of California, Berkeley. Trained in zoology, general genetics, statistics, population genetics. Seeks research or teaching-research position. Box 84, SCIENCE. 3/29; 4/5, 12

**Immunochemist**. Biochemistry, Ph.D. 1957. Trained in physical chemistry, organic chemistry, tissue culture, and tracer techniques. Desires academic position with research. Box 75, SCIENCE. X

**M.D. Assistant Professor** (German, 9 months in the U.S.), 38. Training: **Biochemistry** (2½ years), **Gynecological Surgery** and **Obstetrics** (7 years). Research fields: Protein chemistry, immunology, traumatology, pathological physiology of inflammation, gonadotropin; 30 publications. Interested in biochemical problems in experimental surgery and medicine. Box 85, SCIENCE. X

**Medical-Electronics Engineer** with B.S. in electrical engineering and experience in medical-electronic research desires position preferably at a university or medical institution. Box 77, SCIENCE. 3/29

**Microbiologist**, postdoctoral research and teaching experience. Bacteriology, protozoology, immunology. Faculty appointment in graduate school. Teaching-research position with opportunity for independent work. Box 79, SCIENCE. 3/29; 4/5, 12

### POSITIONS WANTED

**M.S. Equivalent** (British) research position in biology, histology, histochemistry. Experienced in enzyme histochemistry, immunofluorescence, electron microscopy, microphotography, tissue culture, chromosome methodology, teaching. Box 73, SCIENCE. 3/22

**Ph.D. Anatomy**. Specialized in neuroanatomy; 18 years' experience in CNS research and teaching. Wishes medical college teaching-research position. Box 60, SCIENCE.

(a) **Ph.D. Microbiologist** (food technology); prefers industrial research in materials deterioration, prevention, quality control; (b) **D.V.M., D.V.S.**, interested in teaching, research in comparative and experimental pathology, experimental surgery; western location; (c) **M.S. Bacteriologist**, clinical, research teaching experience; prefers teaching. (Please write for information regarding these and other scientists, senior and junior in all fields.) Science Division, The Medical Bureau, Inc., Burneice Larson, Chairman, 900 North Michigan Avenue, Chicago 11, Illinois. X

**Physiologist-Biochemist** (pharmacologist), senior. Desires temporary appointment. Box 86, SCIENCE. X

**Plant Physiologist**, Ph.D., postdoctorate fellow, algal physiology, basic research, morphogenesis. Desires research. Box 83, SCIENCE. X

**Psychology**. Teaching and research. Experimental Ph.D., M.S. clinical and personality, B.S. biology and chemistry. Box 74, SCIENCE.

**Zoologist**. Over 4 years of teaching-research experience, private college, USDA. Desires liberal arts college teaching-research position, Northeast preferred. Teaching experience: general biology, comparative anatomy, embryology, genetics. Research interests: insect physiology, animal behavior. Grants, publications, citations. Presently assistant professor. Box 80, SCIENCE. 3/29

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**Conditions of Service:** Superannuation benefits, 3 months' service leave after 7 years' continuous service, cumulative sick leave entitlements and other general conditions applicable to permanent public servants.

Applications stating age, qualifications, and experience should be addressed by 12 April 1963 to **Public Service Commissioner, 184 St. George's Terrace, Perth, Western Australia.** X

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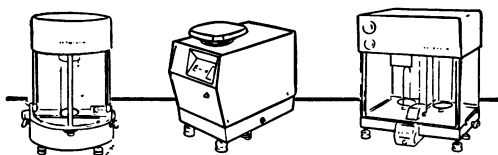
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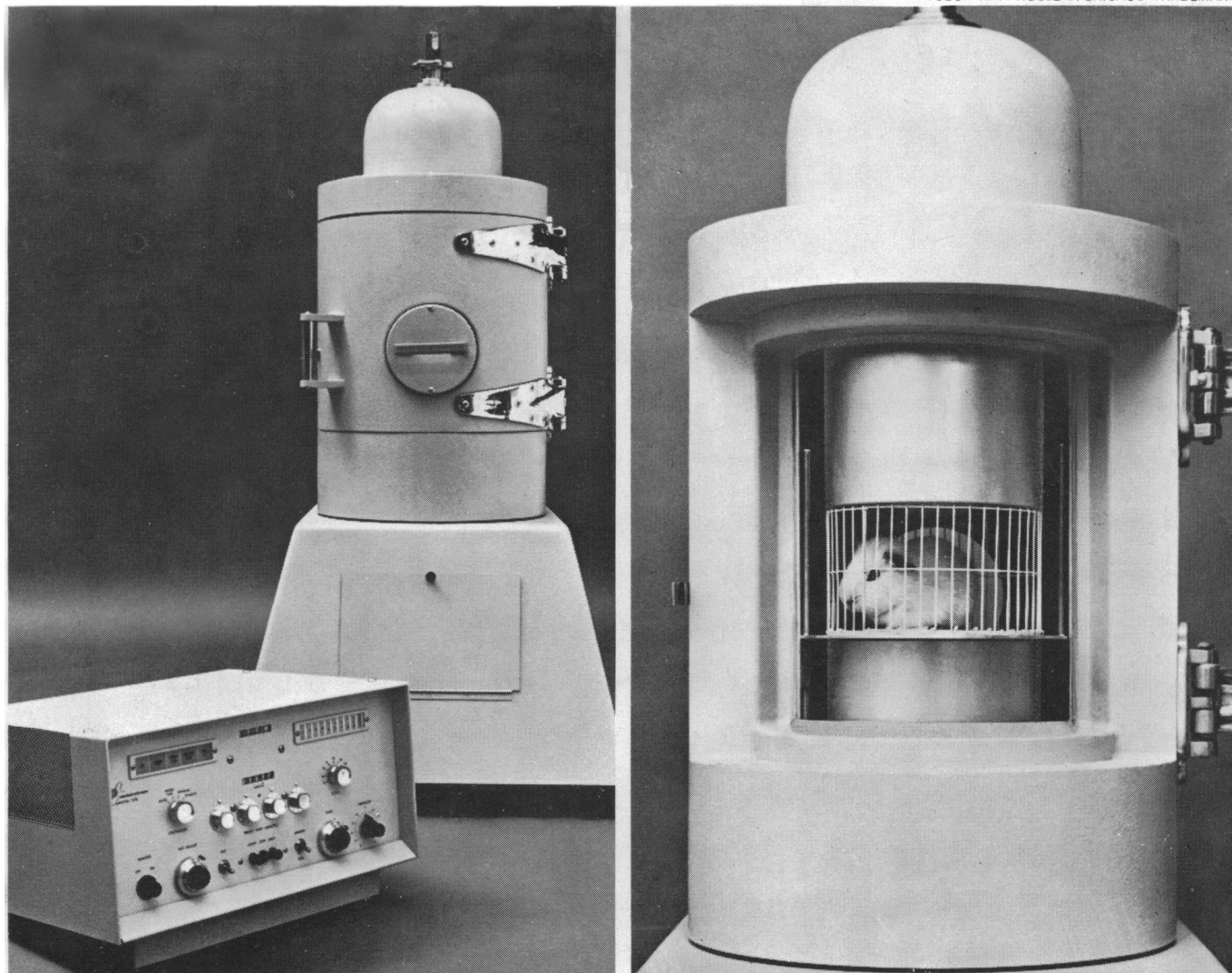
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