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26 NOVEMBER 1965
be administered orally. This vaccine is especially useful for mass programs designed to eliminate the disease, and—because of its rapid effect—it is also useful in quickly controlling the epidemics.

More than 350,000,000 people all over the world, including more than 100,000,000 in the United States, have now received this oral poliovirus vaccine. Wherever it has been used extensively, both for initial mass vaccination and for subsequent immunization of new generations of children, poliomyelitis has been either completely eliminated or reduced to only a few sporadic cases.

Many have worked towards this objective, and to them we pay high tribute, but Albert Sabin, convinced that poliomyelitis is primarily an infection of the alimentary tract, committed himself to a long, painstaking and difficult search for attenuated strains of the virus that could multiply in the alimentary tract, but not in the central nervous system. After more than two decades of work, he succeeded in isolating clones of poliomyelitis that possessed these properties. He then persistently proceeded to the preparation, testing and proof of the efficacy and safety of the live oral polio vaccine which is now in use throughout the world.

For this work which has dramatized and demonstrated the role that vaccination can play in the control and the elimination of death and crippling disability from the dread disease of polio;

For his numerous contributions in other important areas of virology, bacteriology and protozoology, and

For his scientific integrity and courageous persistence, this 1965 Albert Lasker Clinical Research Award is given.

Meeting Notes

The Association for Computing Machinery will sponsor a symposium on symbolic and algebraic manipulation 29-31 March in Washington. Papers are solicited on the implementation of programming systems which manipulate symbolic or algebraic data, and on the applications of such systems. Deadline for receipt of papers: 14 January. (J. E. Sammet, IBM Corporation, 545 Technology Square, Cambridge, Massachusetts 02139)

The Institute of Electrical and Electronics Engineers group on microwave theory and technique will present a symposium in Palo Alto, California, 16-18 May. Papers are requested on all aspects of the field. Summaries: 500 to 1000 words in quadruplicate, abstracts: 200 words, deadline: 3 January. (L. Young, Stanford Research Institute, Menlo Park, California 94025)

The American University in Cairo, Egypt, is organizing an international conference on solid state science, 3-7 September. The topic of the meeting will be "interaction of radiation with solids," including both crystalline and noncrystalline solids. In addition to invited papers, 36 contributed papers will be accepted. Deadline for receipt of titles and abstracts: 15 January. Accepted papers must be submitted by 1 June. (A. Bishay, Department of Physical Sciences, American University in Cairo, 113, Kasr El Aini Street, Cairo, United Arab Republic)

An international symposium on the life sciences will be held at M.I.T. 2-3 December. The topics to be discussed will include molecular structure and the functional organization of cellular constituents; adaptation and functional coordination; and the "future of man and the life sciences." The meeting is part of the celebration to dedicate the new Whitaker building for the M.I.T. Center for Life Sciences. The $5.8 million building provides expanded classrooms, laboratories, and office space for faculty, students, and staff. (J. B. Wiesner, School of Science, M.I.T., Cambridge, Mass.)

Papers are invited for presentation during an international symposium on gas chromatography and associated techniques, 20-23 September, in Rome. Areas to be covered include methods, uses, and comparisons with other forms of chromatography. Abstracts: approximately 500; deadline, 1 January. (A. B. Littlewood, School of Chemistry, The University, Newcastle upon Tyne 1, England)

A national congress of applied mechanics will be held 14-17 June at the University of Minnesota, sponsored by the university, the American Institute of Chemical Engineers, and the American Institute of Mechanical Engineers. Papers are invited on experimental and theoretical applied mechanics, including mechanics of rigid bodies, de-
NEW ZEALAND
ELECTRON MICROSCOPIST

APPLICATIONS are invited for an ELECTRON MICROSCOPIST to join a Research Group in the Meat Industry Research Institute of New Zealand (Inc.), working in the fields of muscle metabolism and structure.

The Institute is the central research organization for the New Zealand Meat Industry, and undertakes both applied and basic investigations. The Electron Microscopist will be encouraged to initiate and conduct original investigations within an active academic and strong research environment. He will also be expected to give advice and help to the adjoining Ruakura Agricultural Research Centre (animal and soil research) of the Department of Agriculture.

The Institute's laboratories are spacious, well-equipped, and with excellent library facilities. The electron microscope (Philips E.M. 200) is housed in a newly designed suite.

Applicants are required to have an Honours Degree or equivalent qualification, with experience in the use of the electron microscope, preferably in biological research.

A Superannuation scheme operates, and professional officers are given the opportunity at intervals for overseas study leave.

Passage: Fares for the appointee (and his wife and family, if married) will be paid.

Incidental Expenses: Up to £35 for a single man, and £100 for a married man, can be claimed to cover the cost of taking personal effects to New Zealand.

Salary Range: £1,800 to £2,500 according to qualifications and experience. Prospects of advancement are excellent and will be based on scientific merit.

Further particulars may be obtained from either—The Director, Meat Industry Research Institute of New Zealand (Inc.), P. O. Box 617, Hamilton, New Zealand, or—The Senior Scientific Liaison Officer, New Zealand Scientific Office, Africa House, B.C.S.O., Kingsway, London, England.

Applications, with names of two referees, to be sent (airmail) to either—The Director, Meat Industry Research Institute of New Zealand (Inc.), P. O. Box 617, Hamilton, New Zealand, or—The Senior Scientific Liaison Officer, New Zealand Scientific Office, Africa House, B.C.S.O., Kingsway, London, England.

APPLICATIONS will CLOSE on the 31st day of January 1966.
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formable solids, fluids, and gases, and thermodynamics and heat transfer. Abstracts: 200 words; deadline 15 January. (R. Plunkett, 107 Aero Building, University of Minnesota, Minneapolis 55455)

Courses

Applications are being accepted for 1966 for a PHS-supported training program in obstetrics and gynecology at U.C.L.A. Research training will be provided in cardiovascular, renal, endocrine, placental, and uterine physiology and biochemistry; biomathematical models; and computer simulation. Emphasis will be on application to reproduction in general, including fetal and neonatal states. The training varies from 1 to 2 years. (N. S. Assali, Department of Obstetrics and Gynecology, School of Medicine, U.C.L.A., Los Angeles 90024)

Scientists in the News

Sigmund L. Friedman, staff consultant to the Hospital Review and Planning Council of Southern New York, has been appointed director of the recently established graduate school of medical administration at the New York Medical College.

The American Psychological Association has presented its 1965 gold medal award to Heinrich Klüver, of the University of Chicago, for his contributions in psychology, neurophysiology, neurohistology, and psychochemistry.

Ray Pepinsky, formerly chairman of physics and professor of chemistry and physics at Florida Atlantic University, has become a research professor of chemistry and physics at Nova University, Fort Lauderdale, Florida.

Laurence E. Strong, professor of chemistry at Earlham College, has taken a year’s leave of absence to co-direct a UNESCO-sponsored project for the teaching of chemistry in Southeast Asia. He will remain in Bangkok, Thailand, until next July.

Thomas L. McMeekin has become a research professor in biology at the University of South Carolina; he retired recently as a research scientist in the Agriculture Department's Eastern...
Utilization Research and Development Division, Wyndmoor, Pennsylvania.

C. K. Himmelsbach, recently retired as associate director of the Clinical Center, National Institutes of Health, has become associate dean for research at Georgetown University's schools of medicine and dentistry.

Fred H. Weaver, vice president for administration of the University of North Carolina, will become director of the commission on academic affairs of the American Council on Education, as of 1 February.

Herbert A. Laitinen, associate head of the department of chemistry and chemical engineering at the University of Illinois, will become editor of Analytical Chemistry, a monthly scientific publication of the American Chemical Society, effective 1 January.

The recently elected president of the American Ornithologists' Union is Dean Amadon, of the American Museum of Natural History, New York.

William C. Davidson, associate professor of physics at Haverford College, has been elected president of the Society for Social Responsibility in Science.

Robert F. Leggett, of the National Research Council of Canada, has been elected president of the Geological Society of America.

Recent Deaths

Henry Higgins Lane, 88; head of zoology emeritus at the University of Kansas; 8 October.

Paul C. Marth, 56; physiologist in the plant hormone and regulator laboratory, U.S. Agricultural Research Service; 4 November.

Irving Shantz, 43; program manager of supporting technology in NASA's Office of Manned Space Flight; 6 November.

Joseph T. Tamura, associate professor of microbiology at the University of Cincinnati college of medicine; 20 October.

Erratum: In the report "Constitution, viability and lactate dehydrogenase in stationary-phase L-cell suspension cultures" by A. D. Glinos, A. J. Werrlein and N. M. Papadopoulos (15 Oct., 391), the reference cited on p. 353, column 1, line 3 should have read (4) instead of (3); the reference cited on p. 353, column 2, line 36 should have read (16) instead of (15).
### POSITIONS WANTED

Anatomist, Ph.D. Teaching experience gross and microscopic anatomy, research interest neuroanatomy, tissue culture, seeks academic position. Box 281, SCIENCE. 11/26, 12/3

Biochemist, Ph.D., varied experience; desires teaching and/or administrative position. Box 293, SCIENCE. 12/10

(a) Chemistry, Ph.D.: physiology minor; cardiovascular, endotoxic studies; prefers clinical or commercial research appointment. (b) Bacteriologist, Ph.D.: dairy microbiology M.S.; desires academic or research position. Write Woodward Medical Personnel Bureau, 185 N. Wabash, Chicago 60601.

Experienced Researcher and Teacher, 45-year-old M.D. seeks position in or near university to establish and lead small group in research and teaching of comparative behavior (animal and man) and the effects of drugs on behavior. Write Box 278, SCIENCE. 11/26

Microbiologist, Ph.D.: medical microbiology, virology, tissue culture, teaching-research experience, also 2 years of pharmaceutical experience (viral vaccines); desires research or academic opportunity in Chicago area. Box 291, SCIENCE. X

Microbiologist, Ph.D.: medical microbiology, virology, tissue culture, teaching-research experience, also 2 years of pharmaceutical experience (viral vaccines); desires research or academic opportunity in Chicago area. Box 291, SCIENCE. X

Ph.D. Electron Microscopist. Five years of post-doctoral training. Strong background in experimental neuropathology; seeks research or academic position. Box 292, SCIENCE. X

### POSITIONS OPEN

**PHYSIOLOGIST-ZOOLOGIST, PH.D.** Mammalian endocrine, general physiology: radiobiology; university-college teaching and research experience. Box 294, SCIENCE.

**VERTEBRATE ZOOLOGIST** desires challenging academic position commencing September 1966. Has taught general biology, genetics and zoology courses. Research in systematicm, including cytotegnetic and physiological aspects. Holds administrative posts. Prefers liberal arts college or university in East or Southeast; others considered. Box 290, SCIENCE.

**BACTERIOLOGIST** Ph.D. in microbiology for clinical laboratory of 500-bed hospital. Must have experience in bacteriological procedures and mycological techniques. Teaching experience and 3 to 5 years clinical hospital experience desired. Salary open depending on experience and qualifications. Please send resume with salary desired to:

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To take charge of histology technique room in Medical School. Supervise three other laboratory technicians in the preparation of microscope slides of tissue specimens to be embedded in nitrocellulose and paraffin and stained by a variety of techniques. Animal work also included. Requires minimum of bachelor's degree plus 2 years directly related laboratory experience. Supervisory experience and/or aptitude essential, Salary open. Send details of education and experience, including salaries and names of supervisors to: Personnel Office, University of California Medical Center, Third and Parramuss, San Francisco, California 49122.

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Opportunity for experienced individual to work on development of complete information processing system for large midwestern hospital. Some background in systems, analysis, electrical engineering, operations research and/or digital computers would be of help. Send complete resume with salary requirements to Box 274, SCIENCE.

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Department of Biology. Two positions available, September 1966. Rank and salary dependent on training and experience. Ph.D. degree required (or near completion). Appointees to initiate graduate course work and research in their fields and to teach in one or more of the following areas: microbiology, cytology, developmental biology, comparative morphology, environmental biology. Address inquiries to Chairman, Department of Biology, Southern Methodist University, Dallas, Texas 75222.

### TEXTBOOK PUBLISHER'S REPRESENTATIVE

Experience as a college traveler helpful but not required. Opportunity to join an expanding college textbook department. Sales and manuscript development through contact with college faculty and other members of the scholarly community. Moderate to extensive travel depending on territory (several open). Salary and expenses. Reply in confidence to R. Murray Chastain, The World Publishing Company, 2231 W. 110th Street, Cleveland, Ohio 2, 60

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Opening in Plainfield, N.J. Bachelor's degree required, preferably in Biological or Medical Sciences. Position details preparation of package inserts for pharmaceutical products. Experience required.

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