McMaster University, Department of Biology, Graduate Assistantships. Applications for part-time teaching and research assistantships are invited from students qualified to register for study leading to the M.Sc. or Ph.D. degree. The stipend carries a yearly stipend of $600.00 to $1500.00. Assistants devote 10 to 12 hours per week to teaching in the academic session (October to April) and can work full-time at their research during the summer. Those interested should write to Dr. H. Kleerekoper, Chairman of the Department of Biology, Hamilton College, McMaster University, Hamilton, Ontario, Canada. Applications should be filed by May 15, 1955, accompanied by transcript of university standings and letters of recommendation from two professors. Research is in progress in these fields: Ecology of black flies; Nutritional physiology of mayflies (D. M. Devine), Ecology in the field mouse; Field study of the behavior of the frog Hyla crucifer (D. E. Detrich), Chemistry of lake bottom sediments; Sensory physiology in fish; (Kleere- koper), Viruses in wild plants; Cytological studies (W. D. Mac- Clement). Ecology and genetics of yeasts; Fusarium wilt of melons (J. J. Miller). Experimental embryogeny; Organic terrain organization; Palaeobotany and developmental morphology; Applied palaeobotany and palynology (N. W. Radford). X

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**Biologist:** especially cellular and plant physiology, Ph.D., 34, two years postdoctoral in biochemistry. Available in September. Prefer East. Box 124, SCIENCE. X

**Mineralogist:** Ph.D., X-ray crystallography, crystal optics. Mathe- matical Statistics; desires research position. Box 118, SCIENCE. 4/29


Two Ph.D.’s, University of California. Man, physical-inorganic, five years teaching, ten years research experience, electrochemical, oxidation potentials, photochemistry; nutrition, (biochemical aspects), five years research experience; publications. Desire teaching and/or research in same location. Box 120, SCIENCE X

**Anatomy Department, Dalhousie University, Halifax, Nova Scotia, Canada. Applications are invited for an assistant and associate professor in the Department of Anatomy. Experience in teaching of Gross Anatomy is essential and a working knowledge of Histol- ogy and Embryology desirable. Candidates with an honors degree in organic chemistry or biology will receive special consideration; although a medical degree is regarded as an important asset. Minimum salary for medical graduates for position of assistant pro- fessor $600.00, for associate professor $8,700.00. Salaries above these minima will depend on experience and medical qualifications. Applications to be made to Professor R. L. de C. H. Saunders, at the above address. 5/6; 6/10; 7/8

**Bacteriologist** to head Chemotherapeutic Department of 20 in well- known eastern pharmaceutical company. At least 10 years of post-doctoral experience required with some knowledge of parasitol- ogy and virology. Employees know of this ad. Box 99, SCIENCE. X

**Biologist:** Recent Ph.D. Teacher; Comp. Anat., Embryology, Histol- ogy, General Physiology. Liberal Arts College; West; Send snapshot and pertinent material. Box 119, SCIENCE. X

(a) **Organic Medicinal Chemist;** recent Ph.D. to work in organic research division; experience not important; well known pharma- ceutical house. (b) **Bacteriologist:** experience, expanding clinical laboratory; resort community; Pacific Northwest. (c) **Biochemist;** experienced clinical biochemistry; new 190 bed children’s hospital: lovely resort city; South- west. (d) **Pharmacologist:** Ph.D. to operate pharmacology division, research laboratory; basic research developing new veterinary and medical drug compounds; East. (e) **Associate Biochemist:** M.Sc. or Ph.D, experienced properties and measurements of proteins, protein isolation or structure; New England. Box 117, Woodward Medical Personnel Bureau, 185 N. Wabash, Chicago. X

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Sex in Microorganisms

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The genetic, physiological, and morphological evidence for "sex" in the principal groups of microorganisms—viruses, bacteria, fungi, unicellular algae, and protozoa—is presented by a group of experts in the field.


R. Patrick of the Academy of Natural Sciences, Phila-delphia, describes syngamy in diatoms; R. A. Lewin of the Maritime Regional Laboratory, Halifax, the sexuality of other unicellular algae, especially the flagellates.

In two chapters D. H. Wenrich covers sexual phenomena in some of the protozoa and discusses the origin and evolution of sex, based primarily on the protozoa, but including material about all of the microorganisms. D. L. Nanney of Michigan summarizes mating-type phenomena in Paramecium aurelia and some of the recent mating-type work from Sonneborn's laboratory. C. B. Metz of Florida State compares mating-type substances in Paramecium and other ciliates with those found in Metazoa. Extensive chapter bibliographies are included.

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