may be responsible for the article's inaccurate appraisal of the present situation, but since the expressions "expenditure is now" and "under present conditions" are used, we feel that the company's true present position should be made known. It is about five times better than it would appear to be from the article.

## J. L. JENKINS

Broken Hill Proprietary Company, Melbourne, Australia

It is gratifying to learn that the expansion of basic research within the Broken Hill Proprietary Company is proceeding so rapidly. However, I do not think that the information contained in Jenkins's letter should be regarded as having any significant bearing on my article. The article was written to provide data for Australia which were comparable with the analyses of expenditure on scientific research produced by the National Science Foundation, the British Advisory Council on Scientific Policy, and the recent NATO study group on scientific expenditure in the Western countries. In order to express these figures as a proportion of the national income, I decided to use the year 1958-59, which was the last financial year for which complete figures were available at the time my article was written (in November 1960). The article is, therefore, intended to convey a comprehensive picture of the situation in Australia as it was roughly at the beginning of 1959.

I did, however, hint in my article that changes were taking place, and the speed of these changes is indicated in Jenkins's letter. In the last 3 or 4 years the expansion of basic research in a number of large industrial firms has gone on with increasing speed. Two other notable examples are the Colonial Sugar Refining Company and Imperial Chemical Industries, of Australia and New Zealand. However, this growth is too recent to reflect substantially on the emphasis of my article, and in any case it is still confined to a very small number of leading firms. I might perhaps add that my comments about Australian industry were directed to industry in general, and my article makes no specific reference to the balance between basic research and development in the Broken Hill Proprietary Company in particular.

S. ENCEL

School of General Studies, Australian National University, Canberra City

2 FEBRUARY 1962

# Meetings

#### Forthcoming Events

#### February

19-23. American Soc. of Civil Engineers, Houston, Tex. (W. H. Wisely, 345 E. 47 St., New York 17)

19-23. Automatic Control in the Iron and Steel Industry, intern., Brussels, Belgium. (Institut Belge de Régulation et d'Automatisme, 98 Chausèe de Charleroi, Brussels 6)

20-21. International Inst. of Sugar Beet Researchers, winter congr., Brussels, Belgium. (O. J. Kint, HSBR, 152 rue Beauduin, Tirlemont, Belgium)

21-25. National Assoc. for Research in Science Teaching, Washington, D.C. (H. Branson, Dept. of Physics, Howard Univ., Washington 1)

22-24. American Acad. of Forensic Sciences, Chicago, Ill. (W. J. R. Camp, Univ. of Illinois, 1853 W. Polk St., Chicago 12)

22-24. Genetics Soc. of Canada, Winnipeg, Man., Canada. (Scientific Liaison Office, Natl. Research Council, Sussex Dr., Ottawa, Ont., Canada)

23-24. American Physical Soc., Austin, Tex. (K. K. Darrow, APS, Columbia Univ., New York 27)

23–24. Canadian Aeronautical Inst., mid-season meeting, Halifax, Nova Scotia. (Scientific Liaison Office, Natl. Research Council, Sussex Dr., Ottawa, Canada) 25-1. Pan American Assoc. of Oto-Rhino-Laryngology and Broncho-Esophagology, Caracas, Venezuela. (C. M. Norris, 3401 North Broad St., Philadelphia 40, Pa.)

26-28. Importance of Electricity in the Control of Aircraft, conf., Inst. of Electrical Engineers-Royal Aeronautical Soc., London, England. (Secretary, IEE, Savoy Place, London, W.C.2)

26-29. Central Treaty Organization, Economic Committee, Washington, D.C. (Office of Intern. Conferences, Dept. of State, Washington 25)

26-2. Current Trends in Nuclear Power, symp., Tucson, Ariz. (L. Weaver, Nuclear Engineering Dept., Univ. of Arizona, Tucson)

27-1. Application of Switching Theory in Space Technology, symp., Palo Alto, Calif. (J. P. Nach, Lockheed Aircraft Corp., Sunnyvale, Calif.)

#### March

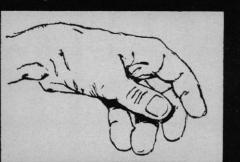
1-3. Florida Acad. of Sciences, Gainesville. (J. B. Lackey, Dept. of Civil Engineering, Phelps Laboratory, Univ. of Florida, Gainesville)

1-3. Fundamental Cancer Research, Conceptual Advances in Immunology and Oncology, symp., annual, Houston, Tex. (Univ. of Texas, Anderson Hospital and Tumor Inst., Houston 25)

1-3. Scintillation and Semiconductor Counters, 8th symp., Washington, D.C. (G. A. Morton, RCA Laboratories, Princeton, N.J.)

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Bacteriologist-Mycologist. Ph.D.; age 37; aca-demic, industrial, clinical experience. Available 1 July. Box 22, SCIENCE. X

Biochemical Cytology, radiation biology, cell physiology, genetics. Ph.D., broad research and teaching experience seeks change. Academic posi-tion preferred. Box 23, SCIENCE. 2/9

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Cellular Physiologist, Ph.D., age 29; completing 2nd year U.S. postdoctorate fellowship in bio-chemistry at Oxford. Publicatons. Desires aca-demic position with opportunity for research. Box 19, SCIENCE. X

Medical Director. M.D. certified in internal medicine and in subspecialty, desires position as medical director in field of occupational or in-surance medicine. Trained at Mayo Clinic and in University. Experience includes occupational medicine, private practice, clinical investigation, and teaching. Box 26, SCIENCE. 2/9

Zoologist (parastiology, ecology). Ph.D. 1960. Desires teaching-research position in university. Box 25, SCIENCE. X

POSITIONS OPEN Biochemist-Pathologist, M.D. or Ph.D. for challenging position in large university-affiliated institution to assist in supervision of large hospital chemistry laboratory and participation in fundamental research programs. Excellent facilities and working conditions. Opportunities for independent research and further advance-ment. Starting salary \$10,630 to \$13,352. Apply Dr. H. P. Schwarz, Philadelphia General Hospi-tal, 34th St. and Curie Ave., Philadelphia 4, Pa. 2/2

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2 FEBRUARY 1962

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## **UNIVERSITY OF BUENOS AIRES** (Argentina)

UNIVERSITY OF BUENOS AIRES (Argentina)
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FACULTY APPOINTMENTS: (a) Chemistry, inorganic; organic with biochemical training; eastern university. (b) Biology/Ecology, mid-western university. (c) Physiology, midwestern university, (d) Biochemistry/Endocrimology Re-search; southern university. (e) Zoology, mid-western college. (f) Biochemistry, western medical school. (g) Clinical Biochemist, southern hospital, to \$8400. (h) Pharmacologist/Physiologist, mid-western pharmaceutical house. (i) Biochemist, school. (g) Clinical Biochemist, southern hospital, to \$8400. (h) Pharmacologist/Physiologist, mid-western pharmaceutical house. (i) Biochemist, B.S./M.S., hormone production, South. (j) Assist-ant Laboratory Director, pulmonary or cardiopul-monary experience; to \$12,000, East. (k) Research Assistant, chemistry M.S. or B.S., supervisory and technical. Many other opportunities available for both Junior and Senior Scientists. Please write Science Division, THE MEDICAL BU-REAU, INC., Burneice Larson, Chairman, 900 North Michigan Avenue, Chicago 11, Illinois. X

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IN ZOOLOGY The successful candidate will be required to develop teaching and research in the field of zoology. Teaching duties would include lecturing to one section of the first-year biology class, to-gether with some advanced teaching in the appli-cant's own field or fields of interest. The department is well equipped for research in genetics, cell-physiology, and ultrastructure biology, and has recently acquired an extension which includes an aquarium, radioisotope lab-oratory, and specialized facilities for cytogenetics, biochemical genetics, and electrophysiology. A high resolution Siemens electron microscope, is shared with the botany department. A long wheel base Land Rover is used for ecological work. The head of the Department is Professor M. J. D. White, F.R.S.

D. white, F.K.S. Duties begin on 1 June 1962, or as soon as possible thereafter. The salary ranges are: Lec-turer  $\pounds A1650$  to  $\pounds A2450$  per annum; Senior Lecturer  $\pounds A2450$  to  $\pounds A3000$  per annum. Initial salary will be determined according to qualifica-tions and experience. Superannuation is on the F.S.S.U. basis.

Further particulars and conditions of appoint-ment may be obtained from the Registrar, Uni-versity of Melbourne, Parkville, N.2., Victoria, Australia, and applications should reach him by 15 March 1962.



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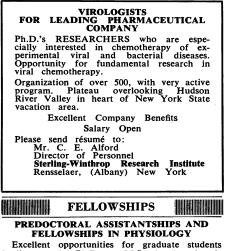
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#### TRAINING IN STEROID BIOCHEMISTRY

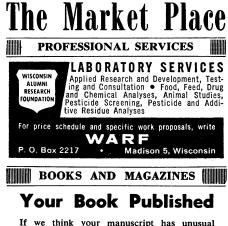
**TRAINING IN STEROID BIOCHEMISTRY** A 12-month training course in steroid biochem-istry will be conducted at the Department of Biological Chemistry, College of Medicine, Uni-versity of Utah, Salt Lake City, from 1 October 1962 to 30 September 1963. This course is spon-sored by the U.S. Public Health Service and open for candidates with a Ph.D. and/or M.D. degree regardless of U.S. citizenship The course starts with a 5-month series of lectures in steroid biochemistry and endocrinology associated with demonstration and practice of current techniques used for the qualitative and quantitative estima-tion of steroid hormones Special emphasis is placed on radioisotope techniques, paper and invitro preparations useful for endocrine investiga-tions. During the last 7 months of training the traince is doing research work under the guidance of an established investigator of the Department of Biochemistry. Eight postdoctoral fellowships of \$5500 each are available for 1962–1963. Three fellowships of \$6000 each are also available for a second year.

a second year. Deadline for application is *I April 1962*. In-dividuals with an M.D. who wish to complete a Ph.D. in biological chemistry will be favorably considered. Please address further inquiries to Dr. Kristen B. Eik-Nes, Training Program Di-rector, Department of Biological Chemistry, **Uni-**versity of Utah, Salt Lake City 12, Utah. 2/9

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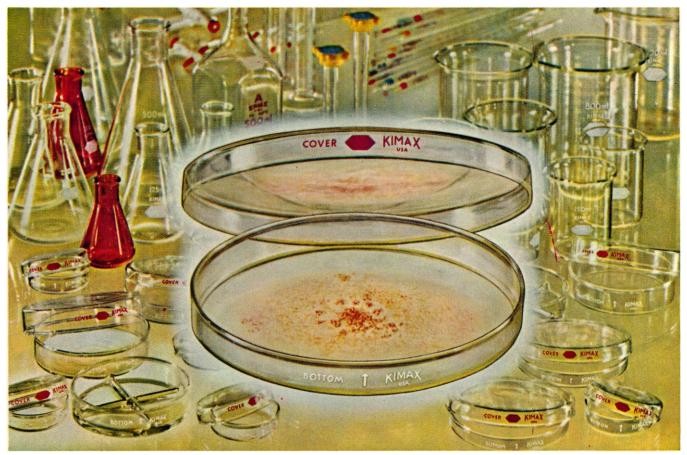
Tissue Culture Course The annual course in Principles and Techni-ques of Tissue Culture sponsored by the Tissue Culture Association will be given at the Univer-sity of Wisconsin, Madison, Wisconsin, 18 June to 12 July 1962. A limited number of partici-pants (post-doctoral research workers and teach-ers) can be admitted. The course will be directed by Dr. William G. Cooper of the University of Colorado School of Medicine. For further infor-mation and application forms, address Dr. Mary S. Parshley, College of Physicians and Surgeons, 630 West 168th Street, New York 32, New York. Tuition \$100. Deadline for application: 15 April 1962.



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SCIENCE, VOL. 135



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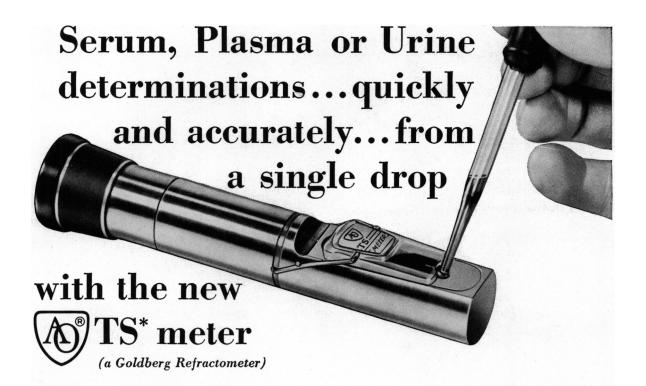
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