THE

JOURNAL OF AGRICULTURAL SCIENCE

EDITED BY

G. D. H. BELL, B.SC., PH.D., Plant Breeding Institute, Cambridge

G. W. COOKE, PH.D., A.R.I.C., Rothamsted Experimental Station, Harpenden

- R. E. EVANS, M.SC., PH.D., School of Agriculture, Cambridge
- SIR JOHN HAMMOND, C.B.E., M.A., D.SC., F.R.S., School of Agriculture, Cambridge
- PROF. SIR J. B. HUTCHINSON, C.M.G., SC.D., F.R.S., School of Agriculture, Cambridge
- SIR BERNARD KEEN, D.SC., F.R.S., 72 Eaton Square, London, S.W. 1
- H. L. PENMAN, PH.D., F.R.S., Rothamsted Experimental Station, Harpenden
- SIR E. JOHN RUSSELL, D.SC., F.R.S., Campsfield Wood, Woodstock, Oxon.
- E. W. RUSSELL, C.M.G., M.A., PH.D., F.INST.P., East African Agriculture and Forestry Research Organisation, P.O. Box 21, Kikuyu, Kenya

F. YATES, sc.D., F.R.S., Rothamsted Experimental Station, Harpenden



CAMBRIDGE UNIVERSITY PRESS BENTLEY HOUSE, 200 EUSTON ROAD, LONDON, N.W. I AMERICAN BRANCH: 32 EAST 57TH STREET, NEW YORK 22, N.Y.

Price 25s. net (U.S.A. \$4.25)

OVER 3000 available

MICHROME STAINS

and Reagents for Biology

Adenosine Aquamount Brilliant Cresyl Blue Bromelain Laktoseal Lipid Crimson Pyronin Sudan Black Matamount Urease, etc.

TRIFALGIC ACID for electrophoresis, etc. (Ref. Bodman, J., Ivor Smith's Chromat. and Electro Tech.)

104-page catalogue on request

New books by Edward Gurr STAINING ANIMAL TISSUES, Practical and Theoretical, 637 pages, price 84/-ENCYCLOPAEDIA OF MICROSCOPIC STAINS, 500 pages, price 95/-

EDWARD GURR, LTD. 42 UPPER RICHMOND RD. WEST,

LONDON, S.W.14

UNIFORM HIGH QUALITY, RELIABILITY. IMMEDIATE DELIVERY.

AGRONOMY JOURNAL

This official organ of the American Society of Agronomy is now a bimonthly publication of up-to-date reports of general agronomic research. (It alternates with *Crop Science*, which carries reports of a more specialized nature in crop breeding, genetics, and physiology.) Workers in the fields of forages and pastures, crop improvement, cultural practices, soil fertility, and allied areas of investigation will find articles of lasting interest in *Agronomy Journal*. Publication is open to members of the American Society of Agronomy.

\$12.00 per year in U.S. and Canada. \$13.00 per year elsewhere

American Society of Agronomy 2702 Monroe Street Madison 5, Wisconsin

Other Cambridge Journals

ANNALS OF APPLIED BIOLOGY

Includes original papers and book reviews on the application of biology to agriculture, forestry, horticulture, and other subjects. Published quarterly. Annual subscription $\pounds 5$ per volume. Single parts 30s.

BRITISH JOURNAL OF NUTRITION

AND

PROCEEDINGS OF THE NUTRITION SOCIETY

The *Journal* contains accounts of original work in all branches of nutrition, including medical and agricultural. The *Proceedings* reports discussions on several topics of interest to nutrition scientists. Combined subscription rate is \pounds_7 for 4 parts of the Journal, and two parts of the Proceedings. Single parts of either 35s.

JOURNAL OF DAIRY RESEARCH

Publishes the results of original research in dairy science and cognate subjects. The Journal is issued three times a year. Annual subscription 60s. Single parts 25s.

Copies of these and other Cambridge Journals may be ordered through your Bookseller or direct from the Cambridge University Press, Bentley House, 200 Euston Road, London, N.W. 1.

JOURNAL OF REPRODUCTION AND FERTILITY

The Journal publishes original papers, abstracts of Proceedings, and occasionally reviews and bibliographies, dealing with the morphology, physiology, biochemistry and pathology of reproduction in man and animals, and with the biological, medical and veterinary problems of fertility and lactation. Numbers are issued bimonthly to give two volumes a year.

Papers to appear during autumn 1962 include:

- L. W. HOLM and R. V. SHORT. Progesterone in the peripheral blood of Guernsey and Friesian cows during prolonged gestation.
- G. C. TANEJA and R. S. Gowe. Effect of varying doses of undiluted semen on fertility and hatchability in the domestic fowl.
- J. S. PERRY and I. W. ROWLANDS. Early pregnancy in the pig.
- F. A. GLOVER and L. W. PHIPPS. Preliminary study of an electronic method of counting and sizing bull spermatozoa.
- C. VAN DUIJN. Velocity characteristics and numbers of bull spermatozoa in relation to ageing, determined by photo-electric methods.
- J. L. HANCOCK and G. J. R. HOVELL. Egg transfer in the sow.
- H. SCHINDLER and A. NEVO. Reversible inactivation and agglutination of fowl and bull spermatozoa under anaerobic conditions.
- J. B. THIERSCH. Effect of 6-(1'-methyl-4'-nitro-5'-imidazolyl)-mercaptopurine and 2-amino-6-(1'-methyl-4'-nitro-5'-imidazolyl)-mercaptopurine on the rat litter *in utero*.
- J. B. THIERSCH. Effect of heterocyclic mercaptopurines on the rat litter in utero.
- A. S. PARKES and H. M. BRUCE. Pregnancy-block in female mice placed in boxes soiled by males.
- H. M. BRUCE. Continued suppression of pituitary luteotrophic activity and fertility in the famale mouse.
- K. BENIRSCHKE, LYDIA E. BROWNHILL and MARGARET M. BEATH. The somatic chromosomes of the horse, the donkey and their hybrids, the mule and the hinny.

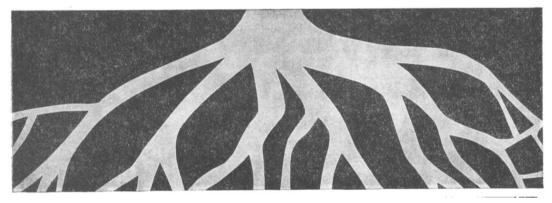
Editorial correspondence should be sent to Dr C. R. Austin, Physiological Laboratory, Downing Street, Cambridge, England, and business correspondence to the publishers.

The subscription rate is 70s. per volume or £7 per year (two volumes). U.S.A. and Canada \$12.00 per volume or \$24.00 per year

BLACKWELL SCIENTIFIC PUBLICATIONS OXFORD



Teodrin by Shell Chemicals



TELODRIN, the latest of the SHELL insecticides, is the most advanced and versatile insecticide available today. Powerfully active, not only against soil but also against foliage pests, its high initial kill provides long-term protection of the plant. TELODRIN can be applied as granules, dusts or sprays, or mixed with fertilisers. TELODRIN is one of a wide range of SHELL pesticides that includes aldrin, dieldrin, endrin, Phosdrin, D-D and Nemagon.

For further information consult your Shell Company.