

THE JOURNAL OF AGRICULTURAL SCIENCE

EDITED BY

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

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

SIR BERNARD KEEN, D.SC., F.R.S., 72 Eaton Square, London, S.W. 1

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. 1

AMERICAN BRANCH: 32 EAST 57TH STREET, NEW YORK 22, N.Y.

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

MICHROME STAINS

and Reagents for
Biology & Histochemistry

Adenosine	Laktoseal
Aqamount	Lipid Crimson
Brilliant Cresyl Blue	Matamount
Bromelain	Pyronin
Celloidin	Sudan Black
Cresyl Fast Violet	Trypsin
Janus Green	Urease, etc.

TRIFALGIC ACID for electrophoresis, etc. (Ref. *Irish J. Med. Sci.* (April 1960), pages 182/6)

Now ready:

ENCYCLOPAEDIA OF MICROSCOPIC STAINS by Edward Gurr, 500 pages
Royal 8vo, price 95/-

"Methods of Analytical Histology & Histochemistry"
by Edward Gurr; 335 pages (Roy. 8vo) 70/-, postage 2/6.

EDWARD GURR, LTD.

42 UPPER RICHMOND RD. WEST,
LONDON, S.W. 14

Telephone: Prospect 8051 & 7606

UNIFORM HIGH QUALITY, RELIABILITY.
IMMEDIATE DELIVERY.

AGRONOMY JOURNAL

This official organ of the American Society of Agronomy is now a bi-monthly publication of up-to-date reports of general agronomic research. (It alternates with *Crop Science*, which carries reports of a more technical 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

2 outstanding books
for better grass and
healthier livestock
by André Voisin

GRASS PRODUCTIVITY

This practical guide suits the needs of every farm with facts and figures that will save time and money. Based on the latest scientific reports from American and European research centers, it answers the important questions on period of occupation, stay and rest, number and layout of paddocks, fertilizer application, grading systems and much more. The author is a practicing grassland farmer, and in this valuable book he shows how grass tetany, bloat, and other costly diseases can be prevented. "A fascinating treatment... (for Mr Voisin) tells us passionately what to do with grass." *The Farmer's Weekly*. \$15.00

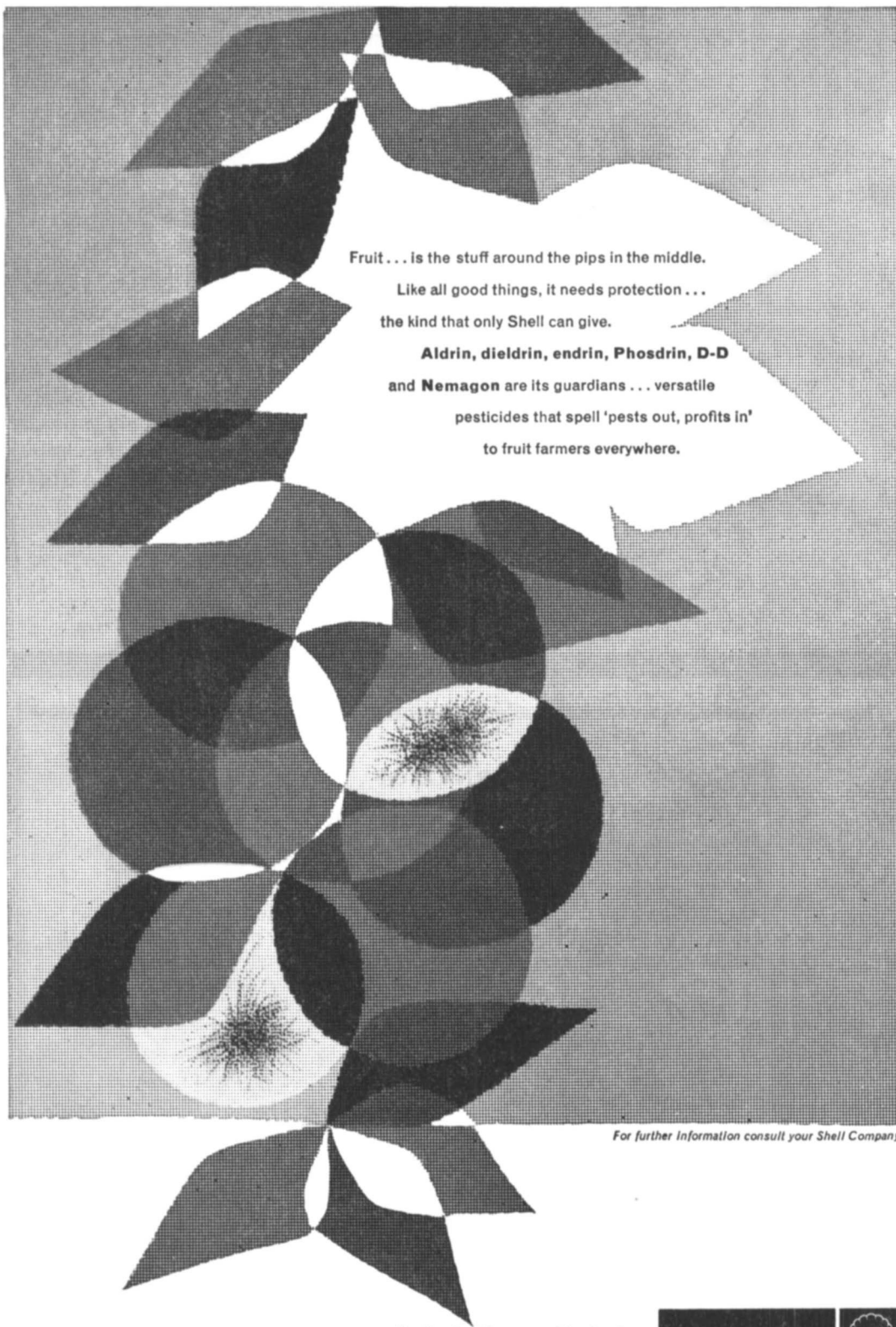
SOIL, GRASS AND CANCER

The principal theme of this book is to show how the health of men and animals is linked to the mineral balance in the soil. The author discusses the various soil elements which bring about metabolic disorders, and which in turn are translated into pathological states: in man, tuberculosis, goitre, diabetes and above all, cancer; and in animals, tetanics, certain enzootic ataxias, anemias, etc. "A scientist of merit has the courage to speak of certain things which others are generally afraid to discuss and he supports his point of view with scientific arguments." Professor Haubold, *Director of the Research Centre for Deficiency Diseases at Munich*. \$15.00

You can expedite shipment by enclosing remittance.

Philosophical Library, Publishers

15 East 40th Street, New York 16, N.Y.



Fruit... is the stuff around the pips in the middle.

Like all good things, it needs protection...
the kind that only Shell can give.

Aldrin, dieldrin, endrin, Phosdrin, D-D
and **Nemagon** are its guardians...

versatile
pesticides that spell 'pests out, profits in'
to fruit farmers everywhere.

For further information consult your Shell Company

In Agriculture and Industry

SHELL CHEMICALS





To collect Airborne Spores use the Hirst Spore Trap

by

**CASELLA
LONDON**

Continuous samples of airborne spores can be taken in the open in almost every type of weather with the Hirst Spore Trap. Developed by Dr J. M. Hirst of the Plant Pathology Department, Rothamsted, the instrument will catch spores over a wide range of sizes, and provide data on rapid changes in the composition of air-spores. It is of particular interest to agricultural research workers for investigating plant diseases spread by airborne spores and to Allergists for tracing spores and pollen in the atmosphere.

Write for Leaflet 802/JAS

C. F. CASELLA & CO. LIMITED
Dept. J.A.S., Regent House, Fitzroy Square, W. 1
Euston 3944/5/6/7

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 will be issued quarterly to give one volume per year, until the flow of material necessitates greater frequency. The subscription rate is 70s. per volume. U.S.A. and Canada \$12.00.

Dr T. Mann, F.R.S., is Chairman and Dr A. S. Parkes, F.R.S., Secretary of the Council of Management, and the Editorial Board includes Professor E. C. Amoroso, F.R.S., Dr R. A. Beatty, Dr J. L. Hancock, Professor J. A. Laing, and Mr L. E. Rowson. All who work in the field of reproduction and fertility are cordially invited to submit papers, and contributions from abroad will be especially welcome.

Editorial correspondence should be addressed to the Editor, Dr C. R. Austin, National Institute for Medical Research, Mill Hill, London, N.W. 7, and business correspondence to the Publishers.

**BLACKWELL SCIENTIFIC PUBLICATIONS
OXFORD**