

Vol. 66, Part 1

February, 1966

THE JOURNAL OF AGRICULTURAL SCIENCE

EDITED BY

G. D. H. BELL, C.B.E., PH.D., F.R.S., Plant Breeding Institute, Cambridge

K. L. BLAXTER, PH.D., N.D.A. (HONS.), D.SC., F.R.S.E.,
Rowett Research Institute, Bucksburn, Aberdeen

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

JOHN HAMMOND, Jr., M.A., 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, O.B.E., PH.D., F.R.S., Rothamsted Experimental Station, Harpenden

H. H. ROGERS, B.SC., DIP.AG.SCI., Plant Breeding Institute, Cambridge

PROF. E. W. RUSSELL, C.M.G., PH.D., F.INST.P., Department of Soil Science,
University of Reading

F. YATES, C.B.E., 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, N.Y. 10022

Price 32s. 6d. net

(U.S.A. \$5.50)

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 in 1966 include:

- F. X. OGASAWARA, F. W. LORENZ and L. W. BOBR. Distribution of spermatozoa in the oviduct and fertility in domestic birds. III. Intra-uterine insemination of semen from low-fecundity cocks.
- W. C. FOOTE and C. V. HULET. Ovarian and uterine responses to PMS and 17β -oestradiol in progesterone treated ewes.
- G. W. DUNCAN, R. L. JOHNSTON and S. C. LYSTER. The inhibition of pregnancy with an oxazolidinethione (U-11634).
- B. H. ERICKSON. Development and radio-response of the prenatal bovine ovary.
- E. S. KISCH and M. C. SHELESNYAK. Studies on the mechanism of nidation. XVIII. Influence of liver on the action of ergocornine in interrupting nidation and progestation.
- C. F. FIRLIT and J. R. DAVIS. Radioautographic incorporation of L-lysine- ^3H into protein of cells of the germinal epithelium in cryptorchidism.
- A. BANE and L. NICANDER. Electron and light microscopical studies on spermateliosis in a boar with acrosome abnormalities.
- J. C. BOURSNELL and R. R. A. COOMBS. A haemagglutinating factor in boar seminal plasma.
- K. JANAKIRAMAN, K. P. SHUKLA, B. A. GADGIL and N. C. BUCH. Effects of intra-uterine spirals and hormones on the uterine histology of the ovariectomized goat.
- J. N. SHELTON and N. W. MOORE. Survival of fertilized eggs transferred to ewes after progesterone treatment.
- J. P. RIGBY. The persistence of spermatozoa at the uterotubal junction of the sow.
- R. A. McFEELY. A direct method for the display of chromosomes from early pig embryos.

Editorial correspondence should be sent to Professor A. S. Parkes, Journal of Reproduction and Fertility, 8 Jesus Lane, Cambridge, England, and business correspondence to the publishers.

*The subscription rate is £6 per volume or £12 per year (two volumes).
U.S.A. and Canada \$20.00 per volume or \$40.00 per year*

**BLACKWELL SCIENTIFIC PUBLICATIONS
OXFORD**