

THE JOURNAL OF AGRICULTURAL SCIENCE

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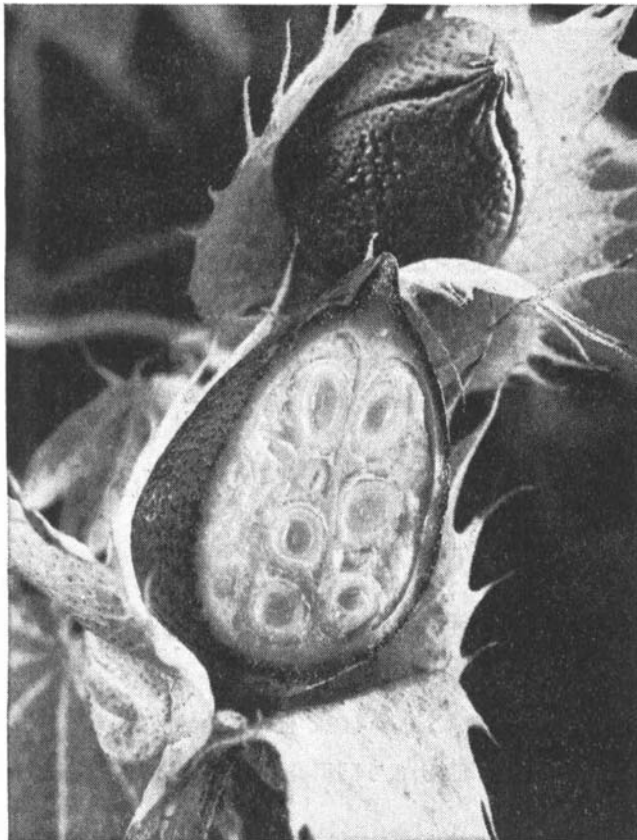
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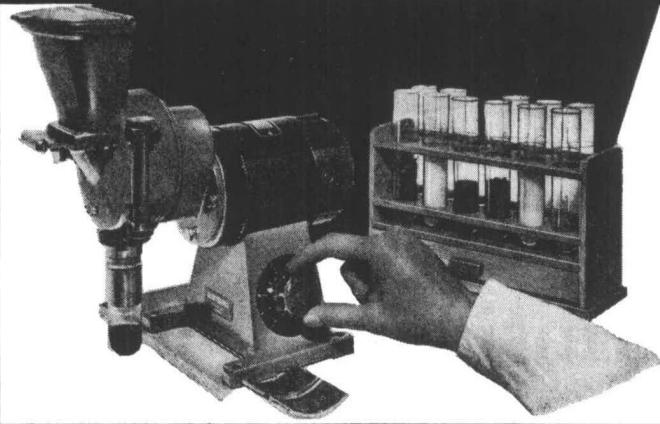
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JOURNAL OF THE BRITISH SOCIETY OF ANIMAL PRODUCTION

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HINKS, NIELSEN and NIEMANN-SØRENSEN. The use of station and field tests for the improvement of milking performance in dairy cattle. II. Milking rate and time as indicators of a cow's milking ability. III. Breed difference in the yield of milk and butterfat from the fore and rear quarters of the udder.

BRAEND and KHANNA. Haemoglobin and Transferrin types of some West African cattle.

BOWMAN, MARSHALL and BROADBENT. Genetic parameters of carcass quality in Down Cross sheep.

HOLMES. Heat losses from young pigs at three environmental temperatures, measured in a direct calorimeter.

ELSLEY, MACPHERSON and LODGE. The effects of level of feeding of sows during pregnancy. III. Body composition.

SWAN and LAMMING. Studies on the nutrition of ruminants. 3. The substitution of soya bean meal by urea in diets containing roughage and cereal.

HALLIDAY. Serum γ -globulin levels in dead lambs from hill flocks.

TAYLOR. Time taken to mature in relation to mature weight for sexes, strains and species of domesticated mammals and birds.

KAY, ANDREWS, MACLEOD and WALKER. Urea and cereals as supplements for ruminants offered barley straw.

IBRAHIM, EL-SHAZLY, KARAM and HAMADA. A note on the effect of diethylstilboestrol on the performance of lambs.

GRUNDER, ROLLINS, STORMONT and CASADY. A note on differential mortality rates in young rabbits of esterase phenotypes A, AB, and B.

PROCEEDINGS OF THE 47TH MEETING OF THE BRITISH SOCIETY OF ANIMAL PRODUCTION, HARROGATE, 26-27 MARCH 1968.

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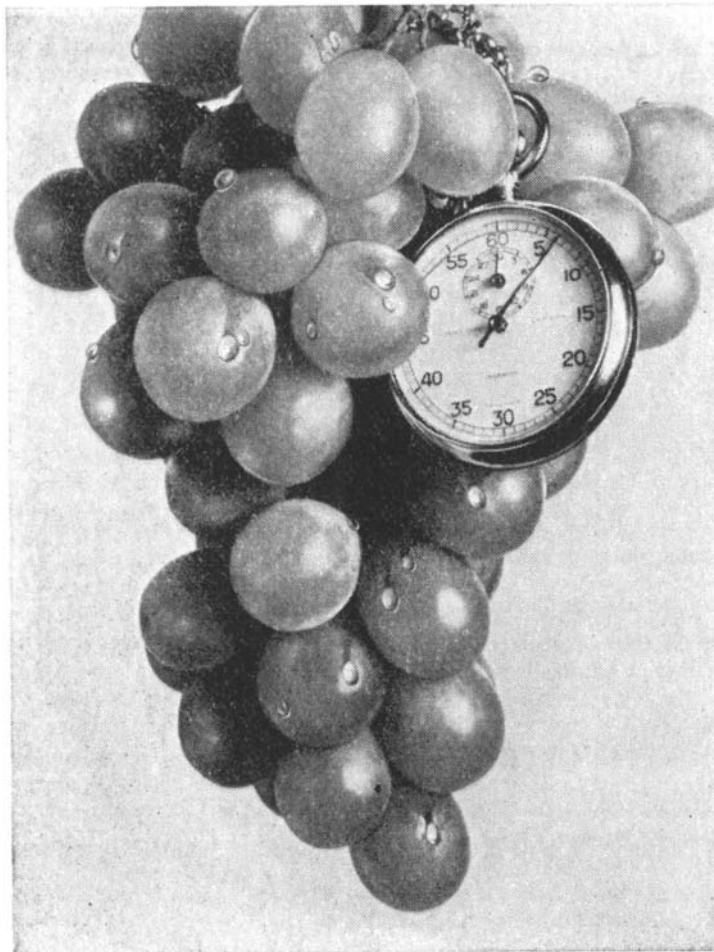
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EXPERIMENTAL AGRICULTURE

Volume 4, Number 2. April 1968

P. G. C. Dodson: Effects of spacing, nitrogen and hormone treatment on pineapple in Swaziland.

R. D. Singh and B. N. Chatterjee: Growth analysis of perennial grasses in tropical India. I. Herbage growth in pure grass swards.

R. D. Singh and B. N. Chatterjee: Growth analysis of perennial grasses in tropical India. II. Herbage growth in mixed grass/legume swards.

Biyi Afonja: Analysis of a uniformity trial on cassava.

D. Hopkinson: Experiments on mulching sisal with black polythene in Tanganyika.

E. A. K. el Saeed: Agronomic aspects of broad beans (*Vicia faba* L.) grown in the Sudan.

K. Santhirasegaram: Studies on the nutrient status of some coconut soils in Ceylon. 10. Minor soil series and conditions in the Chilaw district.

P. Newbould, E. R. Mercer and P. M. Lay: Estimation of changes in the water status of soils under field conditions from the attenuation of β radiation by water held in absorbent nylon pads.

D. A. Holland: The component analysis approach to the interpretation of plant analysis data from groundnuts and sugar cane.

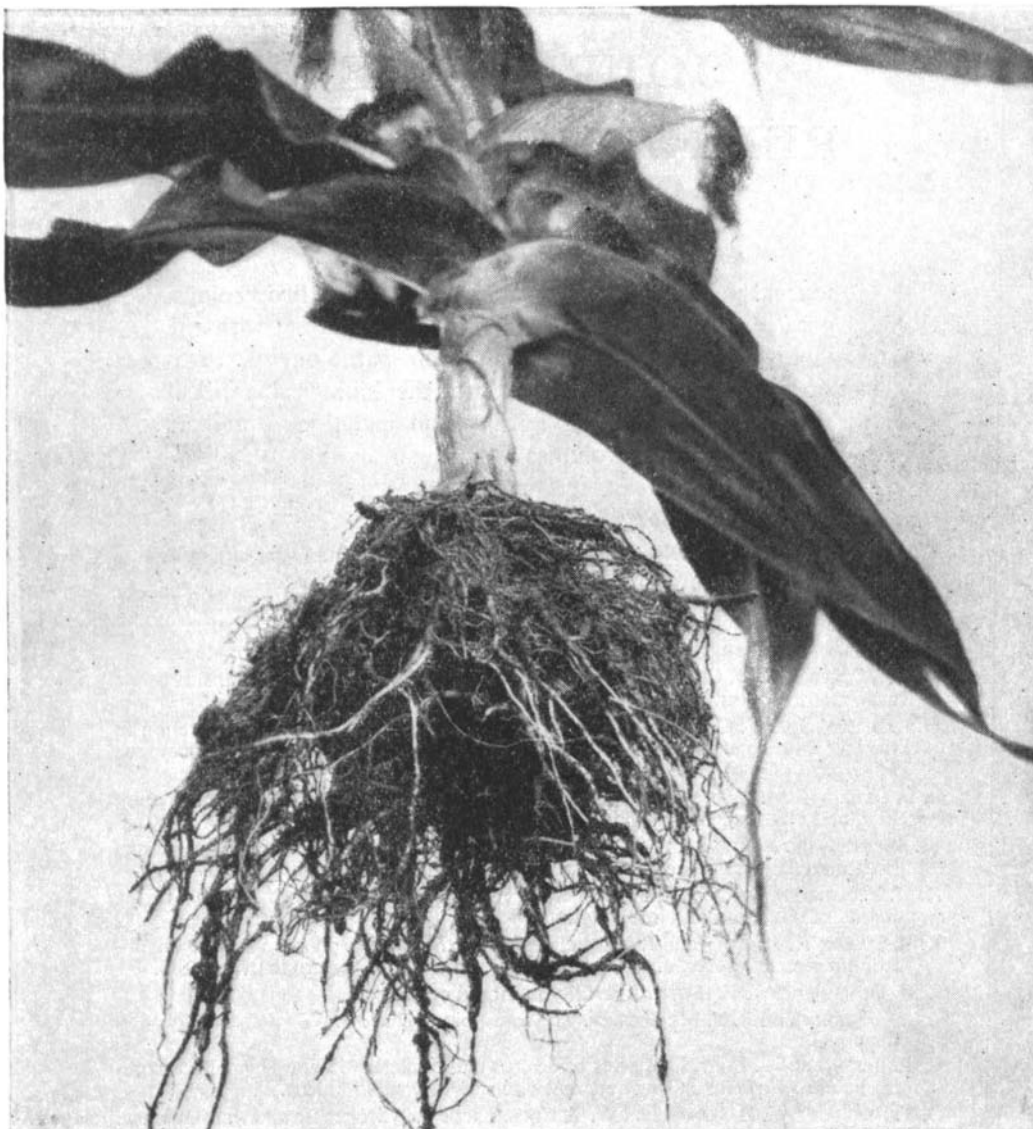
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Papers to appear during 1968 include:

- T. HASTEIN and W. VELLE. Placental aldose reductase activity and foetal blood fructose during bovine pregnancy.
- D. P. BOSHIER. Histological examination of serosal membranes in studies of early embryonic mortality in the ewe.
- B. E. MORTON. A disruption and fractionation of bovine epididymal spermatozoa.
- D. G. WADDILL, C. H. CHANEY and R. H. DUTT. Ovulation rate in gilts after short-time exposure to continuous light.
- D. L. BLACK, LEO V. CROWLEY, R. T. DUBY and C. G. SPILMAN. Oviduct secretion in the ewe and the effect of oviduct fluid on the oxygen uptake by ram spermatozoa *in vitro*.
- P. E. LAKE and M. HATTON. Free amino acids in the vas deferens, semen, transparent fluid and blood plasma of the domestic rooster, *Gallus domesticus*.
- M. SHEMESH, N. AYALON and H. R. LINDNER. Early effect of conceptus on plasma progesterone level in the cow.
- R. H. F. HUNTER and P. J. DZIUK. Sperm penetration of pig eggs in relation to the timing of ovulation and insemination.
- R. B. SNOOK, H. H. COLE and I. I. GESCHWIND. Further studies on mare serum gonadotrophin secreted in response to immunization with HCG or crude ovine FSH.
- J. M. DONEY and W. F. SMITH. Infertility in inbred ewes.
- J. L. HANCOCK and P. T. MCGOVERN. The transport of sheep and goat spermatozoa in the ewe.
- E. SCHILLING and J. ZUST. Diagnosis of oestrus and ovulation in cows by pH-measurements *intra vaginam* and by apparent viscosity of vaginal mucus.
- O. T. STALLCUP, C. J. BROWN and W. T. COLE. Lactic dehydrogenase and transaminases in bovine epididymal fluid.
- D. J. DIERSCHKE and M. T. CLEGG. Studies on the relationship of serum and pituitary gonadotrophin levels to ovulation in the ewe.
- R. B. LAND and P. T. MCGOVERN. Ovulation and fertilization in the lamb.
- G. A. LODGE and B. HARDY. The influence of nutrition during oestrus on ovulation rate in the sow.

Editorial correspondence should be sent to the Executive Editor, Journal of Reproduction and Fertility, 8 Jesus Lane, Cambridge, England, and business correspondence to the publishers.

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