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GENETICAL RESEARCH

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NOTES FOR CONTRIBUTORS

CONTRIBUTIONS will be welcomed from scientists of all nationalities, but must be written in English, with an English summary. An additional summary in French, German, Russian or Italian will be accepted. Papers should be sent to the Executive Editor, Dr. E. C. R. Reeve, Institute of Animal Genetics, West Mains Road, Edinburgh 9.

GENERAL. Submission of a paper or note will be taken to imply that it is unpublished and is not being considered for publication elsewhere. Papers published in *Genetical Research* may not be reprinted or published in translation without permission from the Editorial Board. Papers should be as concise as clarity permits, and illustrations kept as few as possible. Attention to the following instructions will assist rapid publication.

TYPESCRIPTS. A top copy and one carbon copy should be submitted. They should be typed with double-spacing, on one side of the paper, leaving margins of about 1½ inches at the left-hand side and head of each sheet. Quarto is preferred to foolscap paper. Heavily corrected typescripts may have to be returned to the author for retyping. Papers should state the name and address of the author (or his proxy) to whom proofs are to be sent. The address of the laboratory at which the work was carried out will be printed with the authors' names at the head of the paper, and changes of address and sources of financial support may be added in footnotes.

A short title should be supplied for running headlines; this must not exceed 50 characters, counting each letter and space as one character.

(continued inside back of cover)

SYMPOSIA GENETICA et BIOLOGICA ITALICA

A Journal of Genetics and General Biology in which are collected together papers concerned with original researches carried out at the "Spallanzani Institute" of Zoology, University of Pavia, and at the Appenninic Center, a Biological Station on Mount Terminillo (Rieti) organized for international cooperation in genealogical research and in the applications of genetics to agriculture.
Vol. 1 ('50), Vol. 2 ('51-57), Vol. 3 ('52), Vol. 4 ('56), Vol. 5 ('56), Vol. 6 ('58-59) Vol. 7, 8, 9, ('61), Vol. 10, 11, 12 (in press).

Vol. 8 and Vol. 9: PROCEEDINGS OF THE INTERNATIONAL SYMPOSIUM OF EXPERIMENTAL BIOLOGY IN MEMORY OF SPALLANZANI (1959).

Vol. 8: Simp. 1°: Generation of microorganisms and biochemical evolution (Oparin, Luria, Chaix, Bolcato, Quagliarello).

Simp. 2°, 3°, 4°: Respiration of tissues (Longmuir, De Bernard, Martius, Slater, De Caro, Laser, Eichel, Sacktor, Metcalf, Fenwick, Manunta, Brodie, Gillette, Marré, Cavallini, Mascherpa, Agrell, Hess, De Barbieri, Santamaria, Quastel, Brachet). L. it. 6.500 or \$10.5

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Simp. 6: Artificial insemination and sexual biology (Bonadonna, Baier, Leone, Galgano, Frizzi, Milani, Bianchi).

Simp. 7: Digestion, nutrition, symbiosis (Straub, Hirsch, Smith, Bueding, Fraenkel, Valadares, Kock, Brooks, Manunta, Bernardini, Fava, Waddington).

Simp. 8: Orientation and nervous activities—Circulation (Schreiber, Mohres, Terzi, Casella, Pellegrini, Piovella, Meda).

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Vol. 10 and 11: PROCEEDINGS OF THE IV CONGRESS UIEIS (UNION INT. ETUDE INSECTES SOCIAUX) Pavia, 1961.

Symposia on Endocrinology, Cast differentiation, Symbiosis, Gregarism and subsociality. Sections on Termites, Ants, Bees and Wasps.

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Managing Editor: Prof. C. Jucci, Centro di Genetica del C.N.R., Palazzo Botta, Pavia (Italy).

GENETICA AGRARIA

A Journal of "Genetics applied to Agriculture" edited by "Centro di Genetica del Consiglio Nazionale delle Ricerche" and "Società Italiana di Genetica Agraria", (SIGA) Pavia, Italy.

The Journal is issued four times a year. Price per volume of about 400 pages: till Vol. IX°, L. 4000 or \$7.0; since Vol. X°, L. 5000 or \$8.5.

Besides other original papers, proceedings of Symposia of the SIGA are published:

Vol. XIII°, 1960: n. 1-2: pp. 221, Figg. 7, Tab. 47+2 Col. Proceedings VI° Meeting SIGA in Forlì, '59. Reports in English of Favret, Julén, Gélín, Heslot, Jolly, and Italian of Jucci, Esposito Avanzi, Scarascia, Wittmer, Marchesi, Meletti Manunta, Fava, Rognoni; n. 3-4: Report in English of Datta, Mikaelson, Wood etc. (in press).

Vol. XIV°, 1961: "Proceedings VII° Meeting of the SIGA in Padova" on "Genetics and Agriculture: in silkworms culture, in agricultural entomology and in plant breeding" (reports in English of McKelvie, Wood, Spurway, Hogen, Hesch; French of Genevois, Pochon, and in Italian of Lombardi, Bianchi, Manunta, Milani, Masera, Rognoni, Colombo, Giorgi, Battaglia).

Vol. XV°, 1961: n. 1-2: Proceedings II° National Meeting on durum wheat, Foggia (June 1960). Reports of Carrante, Jucci, Visco, Conti, Dionigi, Maliani, Candura, Casali, Agnesi, Kokolios (Greece), Bonaspetti (Brazil); n. 3-4: Proceedings of the VIII° Meeting of the SIGA on: "Breeding for quality in cultivated plants and methods for it" (reports in English of Banga, Wood; Allemand of Schwanitz, Hackbarth; and in Italian of Fenaroli Bianchi, Meletti, Piccarolo, Manunta, Rognoni, Dionigi, Panella, Uncini).

Vol. XVI°, 1962: n. 1-2-3-4. Idem

Vol. XVII°, 1962: n. 1-2-3-4: "Proceedings of the FAO Meeting on Plant exploration and introduction", Rome 1961 (reports in English, French and Spanish).

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JOURNAL OF REPRODUCTION AND FERTILITY

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Papers to appear late in 1962 include:

- L. G. CHUBB and D. M. COOPER. Amino acids in fowl seminal plasma.
- T. LUNAAS. Urinary oestrogen levels in the sow during oestrous cycle and early pregnancy.
- R. V. SHORT. Steroid concentrations in normal follicular fluid and ovarian cyst fluid from cows.
- L. W. HOLM and R. V. SHORT. Progesterone in the peripheral blood of Guernsey and Friesian cows during prolonged gestation.
- P. J. DZUIK and H. W. NORTON. Influence of drugs affecting the autonomic system on seminal ejaculation.
- R. K. MEYER and R. L. COCHRANE. Effect of induced decidualomata on oviduction in progesterone-treated ovariectomized rats.
- D. R. LAMOND and B. BINDON. Oestrus, ovulation and fertility following progesterone suppression of ovarian cycles in Merino ewes.
- D. R. LAMOND. Effect of season on hormonally induced ovulation in Merino sheep.
- P. D. STURKIE and S. L. FREEDMAN. Effects of transection of pelvic and lumbosacral nerves on ovulation and oviposition in the fowl.
- M. J. EDWARDS. Analysis of some sources of variation in the weight of cyclic and pregnancy corpora lutea of dairy cows.
- G. A. R. KAMAR and K. A. YAMANI. Physiological causes of paired oviducts in ducks.
- 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.

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

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The June 1961 issue contains a review by A. L. Ogden on "Biochemical Polymorphism in Farm Animals". Other recent reviews include "Hereditary Dwarfism in Beef Cattle", by K. P. Bovard, and "Selection for Heterosis", by J. C. Bowman.

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Editor: J. B. S. Haldane, F.R.S.

18/1 BARRACKPORE TRUNK ROAD,
P.O. BELGHORIA (West Bengal), INDIA.

The Journal of Genetics publishes researches in genetics, as Bateson used that word, i.e., to mean "Heredity and Variation" in his letter of 18/4/1905 to Adam Sedgwick, and "The special physiology of Descent" in "Darwin and Modern Science" in 1909. Primarily a record of Research in the Commonwealth, it includes some outside contributions.

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Subscriptions are accepted as per volume. Volume 58 is the current volume.

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