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**All communications should be addressed to the Editor,
The Journal of Experimental Biology, Department of Zoology,
Downing Street, Cambridge CB2 3EJ, England.**

EXPERIMENTS ON LIVING ANIMALS. The Editorial Board will not allow the publication of papers describing experimental procedures which may reasonably be presumed to have inflicted unnecessary pain, discomfort, or disturbance of normal health on living animals. Manuscripts will only be accepted if:

- (1) it is clear that the advances made in physiological knowledge justified the procedures;
- (2) appropriate anaesthetic and surgical procedures were followed;
- (3) adequate steps were taken to ensure that animals did not suffer unnecessarily at any stage of the experiment.

Papers on vertebrates will be accepted only if the experiments comply with the legal requirements in the U.K. (see *Handbook for the Animal Licence Holder* – Institute of Biology; *Notes on the Law Relating to Experiments on Animals in Great Britain* – Research Defence Society; *UFAW Handbook on the Care and Management of Laboratory Animals*) or Federal Legislation and the National Institutes of Health Guidelines in the U.S.A. Department of Health Education and Welfare Publication No. NIH 78-23 (1978).

STYLE. Papers should be as concise as possible, be written in English (spelling as in Oxford English Dictionary), and use S.I. units.

SUBMISSIONS must include two copies of the text, one set of original illustrations and two sets of copy figures.

TEXT (including tables, references and figure legends) must be typewritten, in double-spacing, with numbered pages. The position of the figures and tables should be indicated in the margin. The *title page* must include the address(es) where the work was carried out, a *page heading* of up to 40 characters, and three or more *key words*. Where applicable, the present address and address for correspondence should also be given. A *Summary* must be the first section of the ms, stating as briefly as possible (typically 150–200 words) the results and conclusions of the work. Each *table* must be on a separate page. *Figure legends* must be in a single series at the end of the ms. *References* must be listed alphabetically. The titles of journals should be abbreviated according to the *World List of Scientific Periodicals*, 4th edn (1963), and should be presented as follows:

BRINES, M. L. & GOULD, J. L. (1982). Skylight polarization patterns and animal orientation. *J. exp. Biol.* **96**, 69–91.

MAZIA, D. (1961). Mitosis and physiology of cell division. In *The Cell*, Vol. 3, (eds J. Brachet & A. E. Mirsky), pp. 77–412. New York, London: Academic Press.

Citations in the text are given in the following form: Jones & Smith (1960) or (Jones & Smith, 1960). Where there are more than two authors and less than five the first citation should include all the names and subsequent citations should be in the form (Jones *et al.* 1960). Where more than one paper by the same author(s) have been published in the same year they are cited as Jones (1960a), Jones (1960b) etc.

ILLUSTRATIONS should be assigned figure numbers. Photographs should only be used where essential, for example for electron micrographs. Wherever possible, oscillographs should be made suitable for reproduction as line drawings. The cost of colour plates must be defrayed by the author.

Line drawings must be about twice final size. Maximum final size is 200×125 mm. Pen drawings should be in black Indian ink on unfolded heavy white paper, good quality tracing paper, or graph paper ruled in pale blue. Oscillographs should have a white background. *Lettering* will be inserted by the printers and should be indicated on the duplicate copies; it may also be indicated on the original either in soft blue pencil, or on a tracing paper overlay.

Photographs should be at final size. Maximum final size is 200×130 mm for a single plate, and 200×290 mm for a double plate. Photographs should be glossy bromide prints with good definition. They should be gummed on to white card, grouped and numbered as they are to appear (e.g. Fig 1A, B etc.). *Lettering* will be inserted by the printers and should be indicated on a tracing paper overlay. Magnification should be indicated, when relevant, by a scale line drawn in Indian ink on or beside the illustration.

SHORT COMMUNICATIONS must be original contributions to the literature and not preliminary reports. Methodological papers will only be accepted as *Short Communications*. All above instructions apply except that the communications must not exceed four published pages in length (including illustrations), no *Summary* is required, and line drawings must be at final size.

PROOFSHEETS AND OFFPRINTS. Authors will receive one set of slip proofs for correction and return to the Editor. A page proof will also be sent if the slip proof is marked by the author 'Revise'. An allowance of 50p per sheet of sixteen pages will be made for alteration errors not made by the printers: any excess may be charged to the author. Authors will receive 200 complimentary copies of their papers: additional copies may be purchased at modest cost, and should be ordered when the proofs are returned to the Editor.