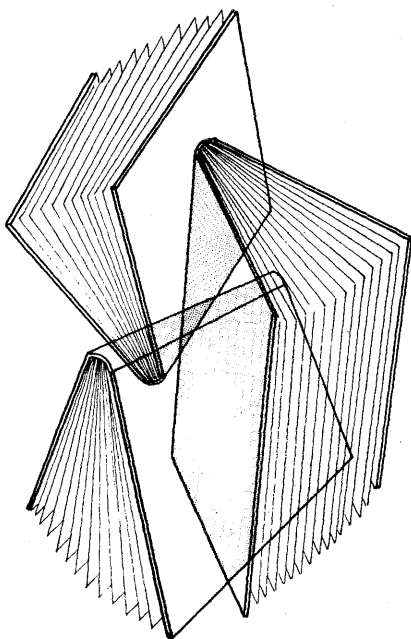


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## FELLOWSHIPS

### CSIRO

**Division of Animal Genetics, Cattle Research Laboratory, Rockhampton, Queensland  
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Applications are invited for a Visiting Research Fellowship at the Cattle Research Laboratory, Rockhampton. The Fellowship is available in 1973 and 1974.

The research programme is concerned with characters of cattle affecting their adaptation and performance in a subtropical environment. Attention is focused on genetic differences in reactions to heat, internal and external parasites and nutritional conditions, expressed as differences between, and within, breeds in physiological and biochemical attributes affecting growth, fertility, body composition, feed utilization, and metabolism.

The Laboratory is equipped for work in these fields, including gas chromatography, radioisotopes, ultracentrifuge and computing facilities. Experimental material is derived from a controlled 900-cow breeding herd on the associated Field Station, "Belmont," with lines based on crosses of Brahman, Africander, Hereford, and Shorthorn cattle. Facilities for experimental cattle, in the form of single-stalls, metabolism cages, respiration chambers, climate room, and abattoir, are available.

Applicants should be experienced research workers in a relevant field. Specialities in which work might be undertaken include bioenergetics, nitrogen metabolism, lipid metabolism, heat physiology, endocrinology, parasitology, immunology, and body composition.

The duration of the Fellowship is negotiable. The successful applicant may be appointed to the staff of the Organization for a fixed term or arrangements could be made for partial support in the form of a grant. Applicable salaries are within the Senior Research/Principal Research Scientist range (\$9,984 to \$13,911).

Inquiries or applications containing full personal and professional details, the names of at least two referees, and the duration, nature, and requirements of the proposed programme, should be forwarded to: **The Officer-in-Charge, Cattle Research Laboratory, CSIRO, P.O. Box 542, Rockhampton, Qld. 4700, Australia by 6 October 1972.**

**The Hebrew University of Jerusalem  
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in the Fields of Physics, Chemistry,  
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The applicant is required to submit his application (in letter form) together with a detailed curriculum vitae and list of publications, to reach the Dean's Office by 1 December 1972. Simultaneously to arrange for at least two letters of recommendation to be directed to the same Office, from persons well acquainted with the applicant's personal and academic record.

The fellowship provides for a tax-free salary of IL.10,000 and usually allows for a single air-ticket to Israel and a similar allowance if the candidate leaves on completion of his tenure as postdoctoral fellow. Regrettably lack of funds precludes all types of financial assistance to accompanying dependents.

The fellowship is intended primarily for persons who attained their degree in 1971 and 1972 and for those who will be completing their requirements for the Ph.D. degree before the autumn of 1973.

### POSTDOCTORAL FELLOWSHIP

Applications are invited for the C. H. Best Foundation Postdoctoral Fellowship in the Banting and Best Department of Medical Research. The position is tenable on approximately 1 July 1973 for 2 years with a taxable stipend of \$10,225 for the first year, plus traveling and dependent allowance. The Fellowship is designed for candidates with less than 2 years of postdoctoral experience. Research-motivated candidates interested in furthering their training in research areas being investigated by department staff should submit their applications before 1 February 1973. Applications should include: curriculum vitae, specific research interest, and the names of three references. A list of staff members and their research interests will be sent on request. Applications or inquiries should be sent to:

**Dr. I. B. Fritz, Chairman, Banting & Best Department of Medical Research, University of Toronto, 112 College Street, Toronto 101, Ontario, Canada.**

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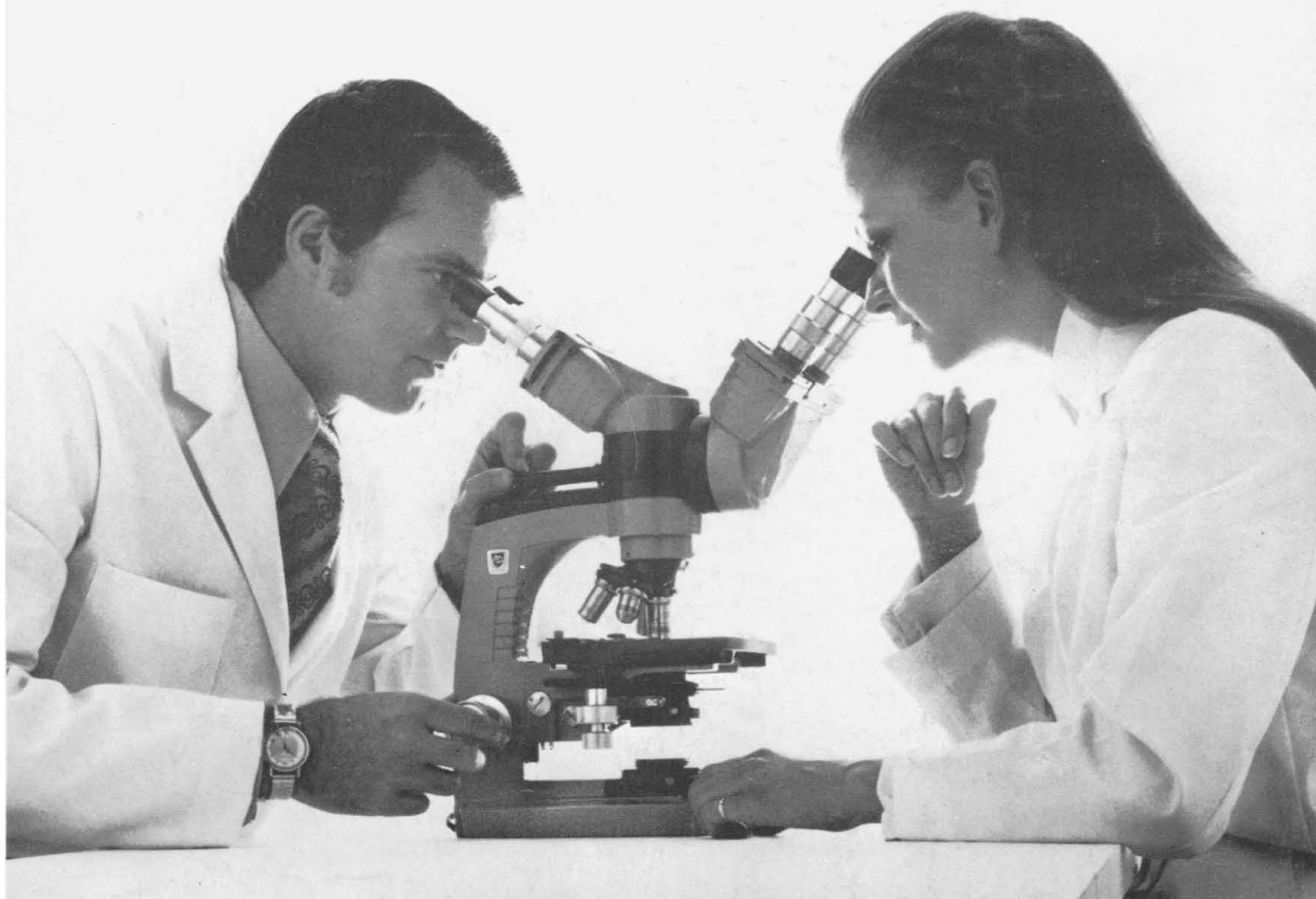
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Submit an original and two duplicates of each manuscript. With the manuscript send a letter of transmittal giving (i) the name(s) of the author(s); (ii) the title of the paper and a one- or two-sentence statement of its main point; (iii) the name, address, and field of interest of four to six persons in North America but outside your institution who you think are qualified to act as referees for your paper; (iv) the names of colleagues who have reviewed your paper for you; (v) the field(s) of interest of readers who you anticipate will wish to read your paper.

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Organize your material carefully, putting the news of your finding or a statement of the problem first, supporting details and arguments second. Make sure that the significance of your work will be apparent to readers outside your field, even if you feel you are explaining too much to your colleagues. Present each step in terms of the purpose it serves in supporting your finding or solving the problem. Avoid chronological steps, for the purpose of the steps may not be clear to the reader until he finishes reading the paper.

Provide enough details of method and equipment so that another worker can repeat your work, but omit minute and comprehensive details which are generally known or which can be covered by citation of another paper. Use metric units of measure. If measurements were made in English units, give metric equivalents.

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Choose the active voice more often than you choose the passive, for the passive voice usually requires more words and often obscures the agent of action. Use first person, not third; do

not use first person plural when singular is appropriate. Use a good general style manual, not a specialty style manual. The University of Chicago style manual, the style manual of the American Institute of Physics, and the *Style Manual for Biological Journals*, among others, are appropriate.

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Prepare your manuscript in the form used by *Science*. Use bond paper for the first copy. Submit two duplicates. Double-space title, abstracts, text, signature, address, references (including the lines of a single reference), figure legends, and tables (including titles, columns, headings, body, and footnotes). Do not use single spacing anywhere. Put the name of the first author and the page number in the upper right-hand corner of every page.

**Paging.** Use a separate page for the title; number it page 1. Begin each major section—text, references and notes, and figure legends—on a new sheet. Put each table on a separate sheet. Place figure legends and tables after the references.

**Title.** Begin the title with a word useful in indexing and information retrieval (not "Effect" or "New").

**References and Notes.** Number all references to the literature, footnotes, and acknowledgments in a single sequence in the order in which they are cited in the text. Gather all acknowledgments into a single citation, and keep them short ("I thank," not "I wish to thank"). Cite all references and notes but do not cite them in titles or abstracts. Cite several under one number when feasible. Use *Access—Key to the Source Literature of the Chemical Sciences* with the few suggested revisions in *International List of Periodical Title Word Abbreviations* for abbreviations of journal names. If the journal is not listed there, provide the full name. Use the following forms:

- Journal:** H. Smith, *Amer. J. Physiol.* **98**, 279 (1931).  
**Book:** F. Datchile and R. Roy, *Modern Very High Pressure Techniques* (Butterworth, London, 1961), pp. 163–180.  
**Chapter:** F. Datchile and R. Roy, in *Reactivity of Solids*, J. H. de Boer, Ed. (Elsevier, Amsterdam, 1960), p. 502.

**Illustrations.** Submit three copies of each diagram, graph, map, or photograph. Cite all illustrations in the text and provide a brief legend, to be set in type, for each. Do not combine line

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Photographs should have a glossy finish, with sharp contrast between black and white areas. Indicate magnification with a scale line on the photograph.

**Tables.** Type each table on a separate sheet, number it with an Arabic numeral, give it a title, and cite it in the text. Double space throughout. Give each column a heading. Indicate units of measure in parentheses in the heading for each column. Do not change the unit of measure within a column. Do not use vertical rules. Do not use horizontal rules other than those in the heading and at the bottom. A column containing data readily calculated from data given in other columns can usually be omitted; if such a column provides essential data, the columns containing the other data can usually be omitted.

Plan your table for small size. A one-column table may be up to 42 characters wide. Count characters by counting the widest entry in each table column (whether in the body or the heading) and allow three characters for spaces between table columns. A two-column table may be 90 characters wide.

**Equations and formulas.** Use quadruple spacing around all equations and formulas that are to be set off from the text. Most should be set off. Start them at the left margin. Use the solidus for simple fractions, adding the necessary parentheses. But if braces and brackets are required, use built-up fractions. Identify handwritten symbols in the margin, and give the meaning of all symbols and variables in the text immediately after the equation.

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Articles, both solicited and unsolicited, may range in length from 2000 to 5000 words (up to 20 manuscript pages). Write them clearly in reason-

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Insert subheads at appropriate places in the text to mark your main ideas. The set of subheads should show that your ideas are presented in a logical order. Keep subheads short—up to 35 characters and spaces.

Provide a summary at the end.

Do not submit more than one illustration (table or figure) for each four manuscript pages unless you have planned carefully for grouping. With such planning many illustrations can be accommodated in the article. Consult the editorial office for help in planning.

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Short reports of new research results may vary in length from one to seven double-spaced manuscript pages of text, including the bibliography. Short papers receive preferred treatment. Limit illustrative material (both tables and figures) to two items, occupying a total area of no more than half of a published page (30 square inches). A research report should have news value for the scientific community or be of unusual interest to the specialist or of broad interest because of its interdisciplinary nature. It should contain solid research results or reliable theoretical calculations. Speculation should be limited and is permissible only when accompanied by solid work.

**Title.** Begin the title with an important word (preferably a noun) that identifies your subject. The title may be a conventional one (composed primarily of nouns and adjectives), a sentence (containing a verb), or a structure with a colon (Jupiter: Its Captured Satellites). Limit it to two lines of complete words of no more than 55 characters per line (spaces between words count as one character each). Do not use abbreviations. Type the title in the middle of page 1.

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**Text.** Begin the text on page 3. Put the news first. Do not refer to unpublished work or discuss your plans for further work. If your paper is a short report of work covered in a longer paper to be published in a specialty journal, you may refer to this paper if it has been accepted. Name the journal. If the manuscript has not been accepted, refer to it as "in preparation." Omit references to private communications. Do not use subheads.

**Signature.** List the authors on the last page of the text and give a simple mailing address.

**Received dates.** Each report will be dated the day an acceptable version is received in the editorial office.

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The Letters section provides a forum for discussion of matters of general interest to scientists. Letters are judged only on clarity of expression and interest. Keep them short and to the point; the preferred length is 250 words. The editors frequently shorten letters.

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