

# Personnel Placement

**POSITIONS WANTED:** 40¢ per word, minimum charge \$10. Use of Box Number counts as 10 additional words. Payment in advance is required. These rates apply to individuals only. Personnel agencies and companies take display rate for all advertising.

**POSITIONS OPEN.** \$7 per column line, if publisher's type is used (12 lines = 1 inch). Minimum ad is 12 lines or \$84. All ads using larger than 6 point type will be billed as display ads at \$90 per inch. No charge for Box Number. Rates net. No agency commission allowed for ads under 4 inches. No cash discount. Ads over 1 inch will be billed to the nearest half inch. Payment in advance is required except where satisfactory credit has been established.

**COPY** for ads must reach SCIENCE 4 weeks before issue date (Friday of every week). Send copy for Personnel Placement advertising to:

SCIENCE, Room 211  
1515 Massachusetts Ave., NW  
Washington, D.C. 20005

Replies to blind ads should be addressed as follows:

Box (give number)  
SCIENCE  
1515 Massachusetts Ave., NW  
Washington, D.C. 20005

## POSITIONS WANTED

**Animal Geneticist**, Ph.D., strong university teaching background, desires primarily teaching responsibilities with research opportunities in private institution. Rocky Mountain or desert Southwest areas preferred. Box 341, SCIENCE. 10/3

**Biologist**, Ph.D. due in 1970. Ten years' electron microscopy and histochemistry experience. Publications; desires teaching and/or research position. Box 342, SCIENCE. X

**Biologist**, 35, Ph.D. (zoology), M.P.H. (epidemiology); extensive tropical parasitology research, many publications; experienced teacher. Family. Seeks permanent career position university teaching or international organization. Available middle 1970. Box 343, SCIENCE. X

**Biomedical Translations** from German and French into impeccable English, for scientists and industry. (No agents!) P.O. Box 489, Forest Hills, N.Y. X

**Immuno-Biochemist**, Ph.D. Active in enzymology, nucleic acids, and cell-borne immunologic systems with large number of publications. Industrial, clinical and teaching experience. Seeks an academic position in research and development. Box 344, SCIENCE. X

**Microbiologist**, B.S. Background in bacteriology, virology, and immunology. Desires position as research assistant in Los Angeles area. Box 345, SCIENCE. X

**Pharmacologist**, Ph.D. (U.K.), seeks industrial research or academic opportunity; industrial and teaching experience, publications. Box 346, SCIENCE. X

**Physicist**, Ph.D. (1966), 3 years' postdoctoral experience; nuclear spectroscopy, n.m.r., Mössbauer effect. Seeks position in biophysics, biomedicine, medical physics, brain research. Box 347, SCIENCE.

**Plant Breeding and Quantitative Genetics**, Ph.D. 1968. Postdoctoral, publications, some teaching experience. Desires research/teaching position. Box 348, SCIENCE. X

**Toxicologist**, D.V.M. Long experience in drug safety evaluation, numerous publications. Box 350, SCIENCE. X

## POSITIONS OPEN

**ANATOMIST, HISTOCHEMIST, ELECTRON MICROSCOPIST**, Ph.D. To supervise Histopathology Laboratory in 800-bed hospital with associated well-equipped Research Institute in New York City. Participation in research program encouraged. Pleasant working conditions, good salary, and fringe benefits. Box 340, SCIENCE

**Aquatic Biologist:** Ability in Taxonomy desired with interest in biological evaluation of water quality. Established applied biological program in university administered, state laboratory with a competent water chemistry staff. Applicant must be willing to participate in water quality surveys necessitating travel. Excellent benefits, salary open, university staff privileges. Submit résumé to: Dr. R. L. Morris, State Hygienic Laboratory, University of Iowa, Iowa City, Iowa 52240.

**Experienced Medical Writer** with good background in medicine, pharmacology or related science, for position with New York medical publication. Position involves writing, editing, and literature researching, with rewriting of medical manuscripts a major part of the job. Application should include description of background and experience. Box 351, SCIENCE

**PROTEIN CHEMIST**, Ph.D. or M.D. with experience. To work on isolation and structure of brain proteins. Full-time research position at hospital-affiliated Research Institute in New York City. SALARY: Dependent on qualifications. Includes fringe benefits and increments. Send detailed curriculum vitae and references to Box 335, SCIENCE

## RESEARCH ASSISTANTSHIP

Available immediately for qualified doctoral student in physical chemistry or biophysics to work on photochemical energy storage. Write Professor Eugene Rabinowitch, Department of Chemistry, State University of New York, Albany, New York.

Immediate opening for a Ph.D. trained in tissue culture work and immunology, to join research team investigating aspects of atherogenesis. Salary to \$15,812 plus fringe benefits. Submit curriculum vitae with initial response to S. C. Spraragen, M.D., Chief, Nuclear Medicine, VA Hospital, 800 Poly Place, Brooklyn, N.Y. 11209.


(a) VIROLOGIST oncology, med diagnostic exp; research, supv teach; \$20-25,000; univ affil hosp; E; (b) CHEMIST drug mfg & packaging exp; \$16,000; mfg co; MidW; (c) MICROBIOLOGIST supv; develop new clinical tests; \$18,000; lab serving hosp Calif; (d) ASST DIR MARKETING develop contacts univ, hosp, etc; asst sales, mktg depts; \$18,000; drug mfr; MidW; (e) BIOCHEMIST Cardiology research; \$18,000; univ hosp; E; WOODWARD PERS BUREAU, 185 N. Wabash, Chicago 60601.

## GRADUATE STUDY

The Australian National University is accepting applications for a Research Fellow in G-omorphology. Appointment is usually for 3 years with possible extension to 5 years. Salary A\$4500 to A\$7250 p.a. Further information from Academic Registrar, Australian National University, P.O. Box 4, Canberra, ACT 2600, Australia. Applications close 1 December 1969.

# The Market Place

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& ELECTRON MICROPROBE  
SERVICE  
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## CUSTOM SEPARATION OF BIOLOGICAL MATERIALS

Write or call for booklet describing our extensive custom services for biological separation and characterization.

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# Instructions for Contributors

The Editors of *Science*

Manuscripts submitted to *Science* for consideration for publication can be handled expeditiously if they are prepared in the form described in these instructions.

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 4 to 6 persons outside your institution who you think are qualified to act as referees for your paper; (iv) the field(s) of interest of readers who you anticipate will wish to read your paper.

## Editorial Policies

All papers submitted are considered for publication. The author's membership or lack of membership in the AAAS is not a factor in selection. Papers are accepted with the understanding that they have not been published, submitted, or accepted for publication elsewhere. Authors will usually be notified of acceptance, rejection, or need for revision in 4 to 6 weeks (Reports) or 6 to 10 weeks (Articles).

**Types of papers.** Five types of signed papers are published: Articles, Reports, Letters, Technical Comments, and Book Reviews. Familiarize yourself with the general form of the type of paper you wish to submit by looking over a recent issue of the journal, and then follow the instructions for that type of paper.

**Reviews.** Almost all Articles, Reports, and Technical Comments, whether solicited or not, are sent to two or more outside referees for evaluation of their significance and soundness. Forms showing some of the criteria reviewers are expected to consider are available on request.

**Editing.** Papers are edited to improve the effectiveness of communication between the author and his readers. The most important goal is to eliminate ambiguities. In addition, improvement

of sentence structure often permits readers to absorb salient ideas quickly. When editing is extensive, with consequent danger of altered meanings, papers are returned to the author for correction and approval before type is set. Authors are free to make additional changes at this stage.

**Proofs.** One set of galley proofs or an equivalent is provided for each paper. Keep alterations to a minimum, and mark them only on the galley, not on the manuscript. Extensive alterations may delay publication by 2 to 4 weeks.

**Reprints.** An order blank for reprints accompanies proofs.

## Writing Papers

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.

Avoid specialized laboratory jargon and abbreviations, but use technical terms as necessary, defining those likely to be known only in your field. Readers will skip a paper they do not understand. They should not be expected to consult a technical dictionary.

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.

## Manuscripts

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 *Chemical Abstracts List of Periodicals* 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. Dacheille and R. Roy, *Modern Very High Pressure Techniques* (Butterworth, London, 1961), pp. 163-180.  
**Chapter:** F. Dacheille 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

drawings and photographs in one illustration. Do not incorporate the legend in the figure itself. Use India ink and heavy white paper or blue-lined coordinate paper for line drawings and graphs. Use heavier lines for curves than you use for the axes. Place labels parallel to the axes, using capital and lower-case letters; put units of measurement in parentheses after the label—for example, Time (sec). Plan your figures for the smallest possible printed size consistent with clarity.

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 meanings of all symbols and variables in the text immediately after the equation.

## Articles

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

ably nontechnical language. Provide a title of one or two lines of up to 26 characters per line and a subtitle consisting of a complete sentence in two lines with a character count between 95 and 105 for the sentence (spaces between words count as one character each). Do not break words at the ends of lines. Write a brief author note, giving your position and address. Do not include acknowledgements. Place title, subtitle, and author note on page 1. Begin the text on page 2.

Insert subheads at appropriate places in the text, averaging about one subhead for each 3 manuscript pages. Keep them short—up to 35 characters and spaces. Do not use more than one degree or level of subheads.

Provide a summary at the end.

Do not submit more than one illustration (table or figure) for each 4 manuscript pages unless you have planned carefully for grouping. With such planning, many illustrations can be accommodated in one article. Consult the editorial office for help in planning.

## Reports

Short reports of current research results may vary in length from 1 to 6 double-spaced manuscript pages of text. The shorter papers receive preferred treatment. Limit illustrative material (both tables and figures) to one item for each 3 manuscript pages. Three items is the maximum. 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 is likely to be useful to indexers. The title may be a conventional one (composed primarily of nouns and adjectives), a sentence (containing a verb) or a structure with a colon (Nictitating Membrane: Classical Conditioning and Extinction in the Albino Rabbit). Limit it to three lines of complete words of no more than 32 characters per line (spaces between words count as one character each). Do not use abbreviations. Type the title in the middle of page 1.

**Abstract.** Provide an abstract of 45

to 55 words on page 2. The abstract should amplify the title but should not repeat it or phrases in it. Qualifying words for terms used in the title may be used. Tell the results of the work, but not in terms such as “——— was found,” “is described,” or “is presented.”

**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.

## Letters

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.

## Technical Comments

Letters concerning technical papers in *Science* are published as Technical Comments at the end of the Reports section. They may add information or point out deficiencies. Reviews are obtained before acceptance.

## Book Reviews

The selection of books to be reviewed is made by the editors with the help of advisers in the various specialties; arrangements are then made with reviewers. A sheet of instructions accompanies each book when it is sent to the reviewer.

## Cover Photographs

Particularly good photographs suitable for use on the cover are desired.