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The attention of authors is drawn to a pamphlet entitled *General Notes on the Preparation of Scientific Papers* published for the Royal Society by the Cambridge University Press (2s. 6d., post free 2s. 9d.).

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General. Submission of a paper to the Editorial Board will be held to imply that it presents the results of original research not previously published, that it is not under consideration for publication elsewhere, and that if accepted for the *Biochemical Journal* it will not be published otherwise in the same form, either in English or in any other language, without the consent of the Editorial Board.

Contributors who reside outside Great Britain are requested to nominate somebody in Great Britain who is willing to correct the proofs of their papers. Papers from such contributors should be accompanied by a statement of the number of reprints required.

Unless confusion would otherwise arise, contributors’ names should appear as initials (but female authors may use one given name in full) and surnames only, without titles or suffixes. The name and address of the laboratory where the work was performed should be given. Any necessary descriptive material regarding the author, e.g. Beit Memorial Fellow, should appear in brackets after the author’s name, or at the end of the paper, and not in the form of a footnote.

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Form of Papers Submitted for Publication. The onus of preparing a paper in a form suitable for sending to press lies in the first place with the author. Authors should consult a current issue in order to make themselves familiar with the *Biochemical Journal*’s practice concerning typographical conventions, use of cross-headings, lay-out of tables, citation of references, etc. The need for editorial revision of badly prepared typescript will lead to delay in publication for which the Editors cannot accept responsibility. Papers on specialized subjects should be presented so that they are intelligible to the ordinary reader of the *Journal*. Sufficient information should be included to permit repetition of the experimental work.

Papers intended for publication should be in double-spaced typing on sheets of uniform size with wide margins. Top copies only should be submitted. The paper should be written in English. It should be divided clearly into parts: (a) Introduction, containing the reasons for publication of the work; (b) Experimental methods: with chemical papers the experimental part will normally appear towards the end, but otherwise should follow the introduction; (c) Results: these should be given concisely; tables or figures are often the best form, but the use of both to illustrate the same data will only rarely be permitted; illustrative protocols only should be included; (d) Discussion: it is desirable that the presentation of the results and the discussion of their significance should be considered separately; (e) Summary: a summary, about 3% of the length of the paper, should be included; the paragraphs of the summary should be numbered; (f) Acknowledgements; (g) References.
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At the end of the paper references should be given in alphabetical order according to the name of the first author of the publication quoted, and should include the authors' names, but not the title of the paper. Titles of journals should be abbreviated in accordance with the system used in the World List of Scientific Periodicals (1955, 2nd ed., Oxford: University Press). Examples of such abbreviations will be found in the current numbers of the Biochemical Journal, and a useful list has been issued by the Biological Council and is obtainable from the Editorial Office, Biochemical Journal, Postgraduate Medical School, Ducane Road, London, W. 12, price 2s. 6d. post free. References to books and monographs should include the town of publication and the name of the publisher, as well as the date of publication and the number of the edition to which reference is made. Thus:


Statistical Treatment of Data. In general it is not necessary to publish the individual results of a number of similar experiments. A statement of the number of individual results, their mean value, the standard error of the mean, and the extreme range of values is usually sufficient. Alternatively, it is often better, if possible, to include a brief frequency distribution.

A statement that a significant difference exists between the mean (or other) values of two groups of data should be accompanied by the probability derived from the test of significance applied.

Illustrations. Illustrations, which should be approximately twice the size of the finished block, should be placed on a separate sheet trimmed to the smallest area and packed flat; they should bear the author's name and the title of the paper on the back. Diagrams should be in Indian ink and should be drawn on plain white paper, Bristol board or faintly blue-lined paper. Curves based on experimental data should carry clear indications of the experimentally determined points. Letters, numbers, etc., should be written lightly in pencil. Legends and captions should be typed on a separate sheet from the illustrations and numbered correspondingly. Figures should be comprehensible without reference to the text.

Unsuitable figures will be redrawn by the Press and the expense charged to the author.

Tables. Tables should carry headings describing their content and should be comprehensible without reference to the text. The dimensions of the data, e.g. g./100 ml., should be given at the top of each column, and not repeated on each line of the table. Tables should be typed on separate sheets and their approximate position in the text should be indicated.

Chemical Formulae. These should be written as far as possible on a single horizontal line. With inorganic substances and CHCl₃, CCl₄ and CS₂, formulae may be used in the text as abbreviations, particularly in the experimental portion, at the discretion of the editors. With salts it must be stated whether or not the anhydrous material is used, e.g. anhydrous CuSO₄, or which of the different crystalline forms is indicated, e.g. CuSO₄·5H₂O, CuSO₄·H₂O.

Description of Solutions. Solutions of common acids and bases should always be expressed in terms of normality (N), and salts preferably in terms of molarity (m), e.g. N·HCl; 0·1 m·NaH₂PO₄. Fractional concentrations should preferably be expressed in the decimal system, e.g. 0·25 n·HCl (not 1/4 HCl). The term % is used in its correct sense, i.e. g./100 g. of solution. For 'per cent by volume', i.e. ml./100 ml, the term % (v/v) may be employed. To indicate that a given weight of substance is contained in 100 g. of solution, the term % (w/v) (weight per volume) may be used.

Symbols and Abbreviations. Authors should refer to current numbers of the Biochemical Journal for information in this connexion, and to the pamphlet of abbreviations and symbols published with the Biochemical Journal, 48, Part 3. Copies may be obtained from the Editorial Office, Biochemical Journal, Postgraduate Medical School, Ducane Road, London, W. 12, price 1s. post free. The chemical nomenclature adopted is that given in Principles of Abstracting (1945, London: Bureau of Abstracts). Much of the information given by Mitchell in British Chemical Nomenclature (1948, London: Arnold). Spectrophotometric terms and symbols are those proposed by the Society of Public Analysts and other Analytical Chemists (see Analyt., 1942, 67, 164). The attention of authors is particularly drawn to the following symbols: m = (millil) = 10⁻³ and μ = (micro) = 10⁻⁶. Note also that ml. (millilitres) should be employed instead of c.c., and μg. (micrograms) instead of μg.

Nomenclature of Micro-organisms. Binominal Latin names of micro-organisms, the generic name only with a capital, must be used in accordance with the International Rules of Nomenclature. Binominals should be underlined (for italic) in the typescript. A name must be given in full at the first mention in a paper; in subsequent mention the generic name may be abbreviated, but the abbreviation must be unambiguous. Single initial letter abbreviations should, in general, be avoided (thus: Staph. aureus, Strept. pyogenes not S. aureus, S. pyogenes). Scientific epithets or trivial names are not underlined and should be without capitals.

Microfungi should be designated as in Ainsworth & Bisby's A Dictionary of the Fungi (1945, 2nd ed., Kew: Imperial Myological Institute).

Bacteria. The Editorial Board prefers that the nomenclature of Bergey's Manual of Determinative Bacteriology (1948, 6th ed., London: Baillière, Tindall & Cox) should be followed. Where authors wish, for good reasons, to use a name other than that in Bergey's Manual, the name as in Bergey's Manual should be inserted in brackets at the first full citation, thus: Chromobacterium prodigiosum (Serratia marcescens).

Reprints. Where at least one author of a paper is a member of the Biochemical Society, twenty-five reprints are supplied free of cost. If the supply of paper permits, an author may purchase additional reprints if he notifies the Press on the appropriate form immediately the proof of the paper is received, but only in exceptional circumstances will more than a total of 175 additional reprints be supplied.
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Bile pigment formation in vitro from haematin and other haem derivatives. By J. E. Kench, C. Gardikas and John F. Wilkinson

The mechanism of the formation of organic acids by mould fungi. 4. The formation of acetic and pyruvic acids in Aspergillus niger growing in glucose media. By M. I. D. Chughtai, A. A. Pearce and T. K. Walker

Separation of p-aminobenzoic acid derivatives by paper chromatography. By E. Kelemen, B. Tanos and D. Halmagyi

The role of glutamic acid in the transport of potassium in brain and retina. By C. Turner, L. V. Eggleston and H. A. Krebs

Studies on suramin:
8. The action of the drug on enzymes and some other proteins. General considerations. By B. W. Town, E. D. Wills, Joan Wilson and A. Wormald
9. The action of the drug on some enzymes. By E. D. Wills and A. Wormald

Biochemical studies of toxic agents. 2. The metabolism of 2-naphthylamine and 2-acetamidonaphthalene. By L. A. Manson and L. Young

The fermentation process in tea manufacture. 11. Oxidation of substrates by tea oxidase. By E. A. H. Roberts and D. J. Wood

Studies on the plasma phosphatase of normal and rachitic chicks:
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2. Relationship between plasma phosphatase and the phosphatases of bone, kidney, liver and intestinal mucosa. By I. Motzok
3. The assay of antirachitic preparations by a method based on the determination of plasma phosphatase activity. By I. Motzok

Metabolism of spermatozoa. The formation and elimination of hydrogen peroxide by spermatozoa and effects on motility and survival. By J. Tosic and A. Walton

The synthesis of glucuronides by liver slices. By I. D. E. Storey

The amino-acid pattern in human foetal and maternal plasma at delivery. By H. R. Crumpler, C. E. Dent and O. Lindan

Reactivation and protection of cytochrome oxidase preparations. By H. Borei

Extrahepatic lipid synthesis. By G. Popjak and Marie-Louise Beeckmans

The breakdown of adenosinetriphosphate in extracts of rabbit muscle. By Beverley A. Humphrey and G. F. Humphrey

The carotenoids of the gonads of the limpets Patella vulgata and Patella depressa. By T. W. Goodwin and M. M. Taha

Carotenoid distribution in the gonads of the limpets Patella vulgata and Patella depressa. By T. W. Goodwin

The reaction of oxidizing agents with wool. 2. The sorption of hydrogen peroxide. By P. Alexander, D. Carter and C. Earland

Acid-soluble pigments of molluscan shells. 5. Identity of some subsidiary fractions derived from Pinctada vulgaris. By A. Comfort