

# DIRECTIONS TO CONTRIBUTORS

## GENERAL

Two copies of manuscripts should be sent to Dr M. E. Sharpe (*The Journal of Dairy Research*), National Institute for Research in Dairying, Shinfield, Reading, RG2 9AT, England. Submission of a paper will be held to imply that it reports unpublished original work, that it is not under consideration for publication elsewhere, and that if accepted for the *Journal* it will not be published elsewhere in any language, without the consent of the Editors.

## FORM OF PAPERS

The author should follow these directions carefully, and consult a current issue of the *Journal* for guidance on details of typographical and other conventions.

Every paper should be headed with its title, the names and initials of the authors (each author supplying one given name) and the name and address of the laboratory where the work was done.

Papers should be in English, using the spelling of the *Shorter Oxford English Dictionary*. They should be typed with double spacing, on one side only of the sheets, and with ample margins for editorial annotations.

Papers should in general be divided into the following parts in the order indicated: (a) Summary, brief and self-contained; (b) Introductory paragraphs, briefly explaining the object of the work but without giving an extensive account of the literature; (c) Experimental or Methods; (d) Results; (e) Discussion and Conclusions; (f) Acknowledgements without a heading; (g) References. With some types of material headings other than (c), (d) and (e) may be preferable.

The use of footnotes should be avoided if possible. Underlining should be used only to indicate italics. Proper nouns, including trade names, should be given a capital initial letter. Wherever possible numerals should be used unless this leads to ambiguity. The typescript should carry the name and address of the person to whom the proofs are to be sent, and give a shortened version of the paper's title, not exceeding 45 letters and spaces, suitable for a running title in the *Journal*.

## TABLES

Tables should be numbered and should carry headings describing their content. They should be comprehensible without reference to the text. They should be typed on separate sheets and their approximate positions in the text indicated. *To minimize the cost of printing, the number and size of tables should be kept to an absolute minimum.*

## ILLUSTRATIONS

Line drawings, which must be originals, should be numbered as Figures and photographs as Plates, in Arabic numerals. Drawings should be in Indian ink, on Bristol board or cartridge paper. However, a technique which may be more convenient to authors is to use a double-sized piece of tracing paper, or translucent graph paper faintly lined in *blue* or *grey*, folded down the centre with the drawing on one half and the other half acting as a flyleaf.

Attached to every figure and plate there should be a translucent flyleaf cover on the outside of which should be written legibly: (a) title of paper and name of author; (b) figure or plate number; (c) the figures and lettering,

which are intended to appear on the finished block, in the correct positions relative to the drawing underneath. Each paper should have a separate typed sheet listing figure and plate numbers with their legends, and the approximate positions of illustrations should be indicated in the text.

The photographs and diagrams should be about twice the size of the finished block and not larger overall than the sheets on which the paper itself is typed. For a figure measuring 250 mm × 150 mm all lines, axes and curves should be 0.4 mm thick, thus  $\text{—}$ . Graph symbols in order of preference are  $\circ$ ,  $\bullet$ ,  $\triangle$ ,  $\blacktriangle$ ,  $\square$ ,  $\blacksquare$ ,  $\times$ ,  $+$ , and for a 250 mm × 150 mm graph the circles should be 3 mm in diam. The triangles should be equilateral of 3 mm side, and the squares also of 3 mm side. The crosses should have lines 3 mm long at right angles. Scale marks on the axes should be on the inner side of each axis and should be 3 mm long.

## SHORT COMMUNICATIONS

Short communications or notes of not more than 2500 words or the equivalent space in print and without a summary will also be published.

## REFERENCES

In the text, references should be quoted by whichever of the following ways is appropriate: Arnold & Barnard (1900); Arnold & Barnard (1900a); Arnold & Barnard (1900a, b); (Arnold & Barnard, 1900). Give all the surnames of 3 authors at the first mention, but in subsequent citations and in all cases where there are more than 3 authors give only the first surname (e.g. Brown *et al.*) provided that there is no possible ambiguity.

References should be listed alphabetically at the end of the paper. Titles of journals should be given in full, authors' initials should be included, and each reference should be punctuated in the typescript thus: Arnold, T. B., Barnard, R. N. & Compound, P. J. (1900). *Journal of Dairy Research* 18, 158. References to books should include names of authors, year of publication, title, names of editors, town of publication and name of publisher in that order, thus: Arnold, T. B. (1900). *Dairying*. London: Brown and Chester.

It is the duty of the author to *check all references*.

## UNITS, SYMBOLS AND ABBREVIATIONS

SI units must be used, as explained in British Standards Institution publication PD 5686:1972, *The use of SI units*. Until SI units are widely understood, it is permissible to give the equivalent value in other units in parenthesis. Symbols and abbreviations used are those of British Standard 1991: Part 1: 1967. *Letter Symbols, Signs and Abbreviations*.

## DESCRIPTIONS OF SOLUTIONS

Normality and molarity should be indicated thus: N-HCl, 0.1 M-NaH<sub>2</sub>PO<sub>4</sub>. The term '%' means g/100 g solution. For ml/100 ml solution the term '% (v/v)' should be used and for g/100 ml solution the correct abbreviation is '% (w/v)'.

## REPRINTS

Order forms giving quotations for reprints are sent to authors with their proofs

CONTENTS

PROFESSOR B. WEITZ

ORIGINAL ARTICLES

- The use of short-term secretion rate measurements for estimating the milk production of suckler cows  
Y. L. P. LE DU, R. D. BAKER and J. M. BARKER pages 1-4
- The cell count of milk in relation to milk yield  
A. MEIJERING, F. H. J. JAARTSVELD, M. W. A. VERSTEGEN and M. J. M. TIELEN 5-14
- Bovine milk *N*-acetyl- $\beta$ -D-glucosaminidase and its significance in the detection of abnormal udder secretions  
B. J. KITCHEN, G. MIDDLETON and M. SALMON 15-20
- Characteristic cell fragments in bovine milk  
B. E. BROOKER 21-24
- Kinematic viscosities of New Zealand skim-milk  
J. H. BUCKINGHAM 25-35
- The effect of concentration on the heat stability of skim-milk  
D. D. MUIR and A. W. M. SWEETSUR 37-45
- The heat stability of milk and concentrated milk containing added aldehydes and sugars  
C. HOLT, D. D. MUIR and A. W. M. SWEETSUR 47-52
- A heat-induced change in the ultrastructure of milk and its effect on gel formation in yoghurt  
F. L. DAVIES, P. A. SHANKAR, B. E. BROOKER and D. G. HOBBS 53-58
- The reaction of  $\alpha_{s1}$ - and  $\beta$ -casein with ferrous ions in the presence of oxygen  
W. MANSON and J. CANNON 59-67
- Reductive methylation of lysine residues in casein  
N. F. OLSON, T. RICHARDSON and J. G. ZADOW 69-76
- Recovery of whey proteins from precipitated complexes of carboxymethyl cellulose and protein  
R. D. HILL and J. G. ZADOW 77-83
- The formation of complexes between whey proteins and carboxymethyl cellulose modified with substituents of increased hydrophobicity  
J. G. ZADOW and R. D. HILL 85-92
- The uptake of amino acids and peptides by *Streptococcus lactis*  
G. H. RICE, F. H. C. STEWART, A. J. HILLIER and G. R. JAGO 93-107
- Antibacterial effect of the lactoperoxidase system on psychrotrophic bacteria in milk  
L. BJÖRCK 109-118
- SHORT COMMUNICATIONS
- Enrichment of zabadi with whey proteins  
N. S. AHMED and AZZA A. ISMAIL 119-121
- A comparison of the activity of *Lactobacillus bulgaricus* and one of its mutants in different types of milk  
JASJIT SINGH and B. RANGANATHAN 123-125
- The determination of lactose in milk: a comparison of gas-liquid chromatography with the Lane & Eynon method  
S. ADACHI and A. YAMAJI 127-129
- Review of the progress of Dairy Science: antimicrobial systems in milk  
BRUNO REITER 131-147