Elsevier Science Limited
Encourages the Submission of Articles on Disk

Delivery of Electronic Files

Authors may now submit manuscripts on 3.5" or 5.25" disks.

Disks must be clearly marked with the following information:

- Operating system
- Disk format (e.g. DS/DD)
- Word Processor used, including version number (users of \text{T\bar{E}}X see later)
- Authors' names
- Short title of article

Three printed copies of the final version of the manuscript should be submitted with the disk to the Editor. In the event of differences between disk and hard-copy, the hard-copy will be considered as the definitive version.

Preparing Electronic Text Files

When using a word processor to prepare a manuscript the following should be noted:

- Page design will be handled by the Publisher. There is therefore no need to use formatting commands such as centering, justifying text, indenting etc.
- Use the word processor's facilities to indicate the following text attributes: bold, underline, italic, subscript, superscript, strikethrough.
- Do not use the hyphenation facilities of your word processor.
- When preparing tables use tabs, not spaces, to align columns.
- When using symbols to denote special characters please supply a list of all codes used.

Use "hard returns" (i.e. using the enter key) only at the end of paragraphs. Use your word processor's "word-wrap" feature within paragraphs.

It is essential that the printed versions supplied are produced directly from the submitted electronic version.

\LaTeXe/\text{T\bar{E}}X

Authors wishing to submit their article as a \LaTeXe/\text{T\bar{E}}X file should note the following:

Authors should use the "Article" style or the Elsevier \LaTeXe/\text{T\bar{E}}X package which is available via anonymous FTP from CTAN centres.

\text{Host names: CTAN directory:}
ftp.dante.de  \text{/tex-archive/macros/latex/contrib/supported/elsevier}
ftp.tex.ac.uk  \text{/tex-archive/macros/latex/contrib/supported/elsevier}
ftp.shsu.edu  \text{/tex-archive/macros/latex/contrib/supported/elsevier}

(Further details on \LaTeXe can be obtained from Martin Key)

Authors should not add their own macros.

Preparing Electronic Graphic Files

Illustrations ideally should be produced in the Macintosh environment using the following software packages:

(Do not save images as postscript files)

Adobe Illustrator, Aldus Freehand, Cricket Graph, Macdraw, Cherndraw, Corel Draw-for PC

However we will accept any of the popular drawing programs for the Macintosh and PC.

Artwork should be drawn for finished size using a Times or Helvetica typeface at a final size of 8pt type with appropriate lineweights.

Please indicate format, operating system, program and version number of the software used. If possible also print a directory of filenames.

Scanned artwork should be saved to Tiff format for both line and half-tone and scanned at a suggested setting of 400 dpi for half-tones and 1000 dpi for line work. If it is necessary to compress the scans please indicate the software used. It is essential that a hard copy print of the scans be included.

Illustrations should be logically named and saved as individual files to 3.5" disk or a SyQuest cartridge 44mB or 88mB. If 3.5" disks are not available to you, 5.25" disks are acceptable. Please send a laser print of the artwork with the electronic file.

When submitting electronic colour images please indicate the file format and program used (including compression software). Include a 4 colour machine or cromalin proof and check that all the separations (if provided) are colour identified.

If you require any further information please contact the following:

Elsevier Science Ltd
The Boulevard
Langford Lane
Kidlington
Oxford
OX5 1GB
UK

Martin Key (Text)
Tel: 44 1865 843550
Fax: 44 1865 843905
E-mail: m.key@elsevier.co.uk

Phil Halsey (Graphics)
Tel: 44 1865 843305
Fax: 44 1865 843924
E-mail: p.halsey@elsevier.co.uk

Elsevier Science Inc
660 White Plains Road
Tarrytown
NY 10591-5153
USA

Tom Lewis-Flood
(Text/Graphics)
Tel: 914 333 2535
Fax: 914 333 2626
E-mail: lewis-flood@elsevier.com
These catalogues feature all journals, books and major reference works from Elsevier Science. Furthermore they allow you to access information about the electronic and CD-ROM products now published by Elsevier Science. Demonstration examples of some of these products are included.

**Features include:**
- All the journals, with complete information about journal editors and editorial boards
- Listings of special issues and volumes
- Listings of recently published papers for many journals
- Complete descriptions and contents lists of book titles
- Clippings of independent reviews of published books
- Book series, dictionaries, reference works
- Electronic and CD-ROM products
- Demonstration versions of electronic products
- Free text search facilities
- Ordering facilities
- Print options
- Hypertext features

**Extra features with the Catalogue on Internet**
- Alerting facility for new & forthcoming publications
- Updated monthly

---

**Elsevier Science Complete Catalogue on Internet: Try it Today!**

gopher://gopher.elsevier.nl/
WWW: http://www.elsevier.nl/
CD-ROM (published yearly, free of charge)

Please contact:
Customer Service Department
Tel.: +31 (20) 485 3757
Fax: +31 (20) 485 3432
e-mail: nlinfo-elsevier.nl
THE ANNALS OF OCCUPATIONAL HYGIENE

Instructions for Authors

1. The Annals of Occupational Hygiene publishes material that is relevant to any aspect of occupational or environmental hygiene and health. The journal publishes four main types of communication, original papers, Short Communications, Editorials and Letters to the Editor. Review articles are normally specially commissioned, and authors should not submit a review without prior consultation with the Editor.

2. Material submitted to the journal must be typewritten on one side of the paper only with double spacing and wide margins. Three copies of each manuscript should be sent to the Editor, Dr H. A. Waldron, The Annals of Occupational Hygiene, BOHS, Georgian House, Great Northern Road, Derby DE1 1LT, U.K.

3. Material may be submitted on disk (see separate instructions in the journal) but disks must be accompanied by three copies of a manuscript which conforms to the requirements below.

4. Manuscripts must be written in English and spelling must follow the conventions in Chambers Twentieth Century Dictionary. Authors whose first language is not English are strongly advised to seek assistance from a native English speaker or a competent translator before submitting a manuscript otherwise there may be considerable delays in dealing with it. Authors should note that brevity and clarity are virtues that are given great weight when considering a paper for publication. The Editor will not enter into correspondence about papers that are rejected and his decision is final. Rejected manuscripts will not be returned to authors, instead they will be kept securely for 3 months and then shredded. Authors are advised, therefore, not to submit original illustrations with the manuscript but good quality reproductions. The original illustrations should be forwarded to the Editor when a paper is accepted.

5. Both SI units and their equivalents should be given throughout the text and any Greek letters or special symbols should be identified in the margin the first time they appear on any page of the manuscript. The pages of the manuscript must be clearly numbered.

6. Papers are accepted on the understanding that the work described has not appeared in whole elsewhere and that they are subject to editorial revision. Where the findings have been published elsewhere in part this must be clearly stated and the submitted manuscript should be accompanied by a copy of the publication that contains those findings. If part of the findings are contained in a manuscript that is under consideration elsewhere a copy of that manuscript should be included with the one submitted to the journal. A letter giving consent to publication must be signed by all those whose names appear on the manuscript. Papers that describe studies carried out on human subjects must provide evidence that the protocol was approved by an ethical committee and that all the subjects gave their informed consent.

7. There is no prescribed length for original papers but authors should not submit papers which exceed 10,000 words (about 30 typewritten sheets) without first consulting the Editor.

8. Original papers should generally conform to the standard pattern with an introduction, methods (and materials), results and discussion section. Authors should note, however, that this requirement is not absolute. Conclusions, in which the main findings are reiterated should not be included but papers must be prefaced by an abstract of the argument and findings which should be more comprehensive than a summary. The abstract must not contain references. Short reports do not require an abstract but all papers should include a list of up to five keywords.

9. On acceptance of a manuscript, authors must send original copies of illustrations to the Editor as quickly as possible. Photographs on glossy paper should be submitted unmounted. If lettering is to appear on a photograph two prints should be submitted, on one of which
the lettering is clearly indicated. Colour photographs will not be published unless the authors underwrite the cost of production. Charts and graphs should be carefully drawn in black ink on tracing linen, Bristol board or stout white paper. Graphics may be submitted on disk but hard copy must also be submitted. Legends to figures must be typed on a separate sheet of paper.

10. Tables should be kept to a minimum and should not contain material that is fully described in the text. They must be typed on separate sheets of paper and not included in the main text. Long appendices should be avoided. Where an author considers it essential to include large numbers of tables or long appendices, the Editor must be consulted in advance.

11. Signed editorials are normally specially commissioned, and authors who wish to submit an Editorial must do so only after consultation with the Editor. Letters to the Editor, which should not exceed 500 words, may deal with any topic and will appear in the journal as soon as space permits. When letters refer to papers which have appeared in the journal the authors of the original paper will be given the opportunity to reply. Unsolicited book reviews will not be published.

12. References The number of references in a paper should be kept to the minimum. References are required only if they are essential to the development of a hypothesis which the authors are proposing to test, if they are necessary for the development of an argument or discussion, or if they describe methods that are being used when the original account is too lengthy to be included in full. Overly long lists of references are often included in a paper more to impress than to instruct and should be avoided wherever possible; over-frequent reference to the author’s own work is a form of self indulgence best avoided.

References in the text should be quoted in the form Jones (1995) or Jones and Brown (1995) or, if there are more than three authors, Jones et al. (1995). In the reference list at the end of the paper, references should be listed in alphabetical order according to the surname of the first author: the names of all authors (surnames followed by initials) should be given in the same order as they are listed in the original publication, followed by the title of the journal (abbreviated as in the 4th edition of the World List of Scientific Publications) and then by the title of the paper; if this is not in English, an English translation should also be given.

Examples of common forms of references are:


Where official publications from countries other than the U.K. are involved, it must be made clear how they can be obtained. If they are not readily available in the public domain they should not be cited.

References will not be checked by the editorial staff and the responsibility for the completeness and accuracy of references lies solely with the author.

13. Contributors will receive proofs on which only minor alterations may be made. It is assumed that the submitted manuscript will be essentially correct.

14. Authors of published papers will receive 25 reprints free; further copies may be ordered when the proofs are returned.

Authors are reminded that if manuscripts are submitted in a form which does not conform to the requirements of the journal, there will be a considerable delay in dealing with them and they may be returned for amendment before they are dealt with.
The British Occupational Hygiene Society is a learned society with the objects of promoting public and professional awareness, and good practice and standards, in the fields of occupational and environmental hygiene, and to advance education in these fields. Those with an interest in the objects of the Society should apply for membership either as an Individual Member, Student Member or, if a company, as an Affiliate Member.

COUNCIL 1995–96

President: Dr R. M. AGIUS
President-Elect: Mr H. L. DALRYMPLE
Hon. Secretary: Dr J. G. UNDERWOOD
Hon. Treasurer: Dr B. HOLYOAK
Immediate Past-President: Mr H. G. E. WILSON

Ordinary Members of Council

Mr J. W. CHERRIE
Prof. N. M. CHERRY
Dr J. DELL

Mr R. L. NYE
Dr A. M. PHILLIPS

A Company Limited by Guarantee.
Registered in England No. 2350348.
Registered Office and Address for Service of Documents,
The British Occupational Hygiene Society,
Suite 2, Georgian House, Great Northern Road, Derby DE1 1LT, U.K.
(Tel.: 01332 298101; Fax: 01332 298099).

Office Manager: Mrs P. M. BLYTHE
The Annals of Occupational Hygiene

VOLUME 39, No. 4

CONTENTS

1995

H. A. WALDRON 399 Obituary: Ronald Epey Lane, 1897–1995

J. W. CHERRIE, H. GIBSON, C. MCINTOSH, W. M. MACLAREN and G. LYNCH 403 Exposure to fine airborne fibrous dust amongst processors of para-aramid

M. HERY, G. HECHT, J. M. GERBER, J. C. GENDRE, G. HUBERT and J. REBUFFAUD 427 Exposure to chloramines in the atmosphere of indoor swimming pools

N. PLATO, G. TORNLING, C. HOGSTEDT and S. KRANTZ 441 An index of past asbestos exposure as applied to car and bus mechanics

L. LUNDGREN, S. LUNDSTROM, I. LASZLO and B. WESTLING 455 Modern fibre counting—a technique with the phase-contrast microscope on-line to a Macintosh computer

S. M. RAPPAPORT, R. H. LYLES and L. L. KUPPER 469 An exposure-assessment strategy accounting for within- and between-worker sources of variability

F. NIELSEN, E. OLSEN and A. FREDENSLUND 497 Prediction of isothermal evaporation rates of pure volatile organic compounds in occupational environments—a theoretical approach based on laminar boundary layer theory

F. NIELSEN and E. OLSEN 513 On the prediction of evaporation rates—with special emphasis on aqueous solutions

Letter to the Editor

M. MELDRUM and T. L. OGDEN 523 Classification of man-made mineral fibre

Book Reviews

C. A. VEYS 527 Cancer and Workplace Chemicals. By J. H. DUFFUS

F. J. C. ROE 528 Environmental Health Criteria 156: Hexachlorobutadiene. World Health Organization

News Item

530 Occupational Hygiene '96—Promoting a Healthy Working Environment


PERGAMON

ISSN 0003-4878

A0HYA3 39(4) 399–530 (1995)

Typeset by Cotswold Typesetting, and printed in Great Britain at BPC-AUP Aberdeen Ltd.