## **Publications Received**

#### Multielement Detection Systems for Spectrochemical Analysis.

Kenneth W. Busch and Marianna A. Busch. Volume 107 in Chemical Analysis. A Series of Monographs on Analytical Chemistry and Its Applications. Pp. xxi + 668. Wiley Interscience, 1990. Price £70.00. ISBN 0-471-81974-3.

Analytical Methods in Forensic Chemistry. Edited by Mat H. Ho. Ellis Horwood Series in Analytical Chemistry. Pp. xvii + 440. Ellis Horwood, 1990, Price £56.00, ISBN 0-13-037961-1.

#### Chromatographic Integration Methods.

N. Dyson. Pp. xiv + 160. Royal Society of Chemistry. 1990. Price £35.00. RSC Chro- ISBN 0-85186-956-4.

587-9.

#### Modern Thin-Layer Chromatography.

Edited by Nelu Grinberg. Chromatographic Science Series. Volume 52. Pp. xii + 490. Marcel Dekker. 1990. Price \$99.75. (USA and Canada); \$119.50 (Other countries). ISBN 0-8247-8138-4.

#### Analysis for Drugs and Metabolites Including Anti-infective Agents.

Edited by Dr. E. Reid and Dr. I.D. Wilson. Methodological Surveys in Biochemistry and Analysis. Volume 20. Pp. xiv + 386. Royal Society of Chemistry 1990. Price £62.00.

#### matographic Monographs. ISBN 0-85186- Ion Chromatography. Princples and Applications.

Paul R. Haddad and Peter E. Jackson. Journal of Chromatography Library. Volume 46. Pp. xxi+ 776. Elsevier. 1990. US \$172.45; Df1335.00. ISBN 0-444-88232-4.

#### CRC Handbook of Furnace Atomic Absorption Spectroscopy.

Asha Varma. Pp. 428. CRC Press (Wolfe). 1990. Price £156.00. ISBN 0-8493-3243-5.

#### **DECHEMA Corrosion Handbook. Volume**

Edited by Dieter Behrens. Pp. lx + 323. VCH Verlagsgesellschaft. 1990. Price DM775; £286. ISBN 3-527-266569 (VCH Verlagsgesellshaft); 0-89573-626-8 (VCH Publishers).

## ROYAL SOCIETY OF CHEMISTRY

### **Pollution**

#### Causes, Effects and Control

2nd Edition

Edited by R.M. Harrison, University of Essex

The second edition of Pollution: Causes, Effects and Control has been considerably updated and expanded, reflecting the great changes that have taken place since the first edition was published in 1983. It contains two new chapters dealing with radioactive pollution and the chemistry and pollution of the stratosphere, reflecting the importance now attached to these areas, and gives each author greater space in which to cover his topic. The treatment is essentially introductory, although some aspects are covered in greater depth.

The contributions combine to give a broad overview, touching on most of the important areas and delving deeper into many of them. The environment is now high on the political agenda, illustrating the need for authoritative scientific information. This book is a must for all those with an interest in environmental chemistry and pollution research.

Softcover xviii + 394 pages

ISBN 0 85186 283 7

March 1990

Price £29.50

**ROYAL** SOCIETY OF **CHEMISTRY** 



Information Services

To Order, Please write to the: Royal Society of Chemistry, Distribution Centre, Blackhorse Road, Letchworth, Herts SG6 1HN. UK or telephone (0462) 672555 quoting your credit card details. We can now accept Access/Visa/MasterCard/Eurocard.

For further information, please write to the:

Royal Society of Chemistry, Sales and Promotion Department. Thomas Graham House, Science Park, Milton Road, Cambridge CB4 4WF. UK.

RSC Members should obtain members prices and order from : The Membership Affairs Department at the Cambridge address

## **ROYAL SOCIETY OF CHEMISTRY**

## Announcing a **NEW** international journal . . .

# Journal of Materials Chemistry

An interdisciplinary journal dealing with the synthesis, structures, properties and applications of materials, particularly those associated with advanced technology

Scientific Editor: Professor A. R. West, University of Aberdeen, UK

ISSN 0959-9428 Published Bimonthly (6 issues per annum) 1991 Subscription: EC £175.00 Overseas £195.00 US \$395.00

This new international journal, due to commence publication in 1991, represents an exciting and radical new publishing initiative on the part of the RSC. It breaks away from the traditional divisions of inorganic, organic and physical chemistry, by recognizing the interdisciplinary nature of materials research.

The **Journal of Materials Chemistry** will contain original research reports (both full-length papers and short communications), occasional review articles, book reviews, details of forthcoming conferences and a cumulative author index, together with colour photographs and diagrams where appropriate. It has an International Advisory Editorial Board consisting of some of the world's leading authorities on materials chemistry.

The areas to be covered in the Journal of Materials Chemistry include:

#### MATERIALS

#### Inorganics:

ceramics; layered materials; microporous solids and zeolites; silicates and synthetic minerals; biogenic minerals.

#### Organics:

organometallic precursors for thin films/ceramics; novel molecular solids and synthetic polymers with materials applications; polymer composites; biopolymers; biocompatible and biodegradable polymers; liquid crystals (both lyotropic and thermotropic); Langmuir-Blodgett films.

## PROPERTIES AND APPLICATIONS

#### **Electrical properties:**

semi-, metallic and superconductivity; ionic conductivity; mixed ionic/electronic conductivity; ferro-, pyro-, and piezo-electricity; electroceramics; dialectrics.

#### **Optical properties:**

luminescence, phosphorescence, laser action; non-linear optical effects; photoconductivity; photoand electro-chromism, resists, glasses, amorphous semiconductors, optical modulation and switching.

#### Magnetic properties:

ferro, ferri- and antiferromagnetism, spin glass behaviour, organic magnetism, magnetic bubbles and information storage.

#### Chemical properties:

ion exchange, molecular separation, catalytic action, sensor action, topochemical control of reactions.

#### Structural properties:

structural ceramies, refractories; hard materials; protective coatings; composites, adhesives; prosthetic applications.

Thermodynamic properties and phase behaviour

For further information and a sample issue of the Journal of Materials Chemistry, simply complete and return the slip below:

ROYAL SOCIETY OF CHEMISTRY



Information

	Please send me further information and a sample issue of th	e
_	Journal of Materials Chemistry	

Name
Position
Organisation
Address

#### Please return to:

Alison Hibberd, Royal Society of Chemistry, Thomas Graham House, Science Park, Milton Road, Cambridge CB4 4WF, United Kingdom.

To order please phone (0462) 672555 quoting your credit card details – we now accept Access/Visa/Mastercard/Eurocard

Or write to the address above enclosing a cheque made payable to the Royal Society of Chemistry. We can also issue pro-forma invoices if required.

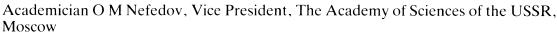
## **ROYAL SOCIETY OF CHEMISTRY**

Announcing an important **NEW** journal . . .

# Mendeleev Communications

Preliminary Accounts of Important New Work from the USSR and Elsewhere

Joint Editors-in-Chief:



Professor H M Frey, University of Reading, UK

ISSN 0959–9436 Published 8 times per volume EC and Rest of World £150.00 USA \$295.00

**Mendeleev Communications** is a prestigious new journal which will be launched in January 1991 as a collaborative venture between The Academy of Sciences of the USSR and The Royal Society of Chemistry. It will publish original papers directly in English, avoiding the delays inherent in the conventional communication channels. For the first time, the international chemical community will have rapid access to current Soviet chemical research.

**Mendeleev Communications** will contain preliminary accounts of novel and significant results of wide general appeal or exceptional specialist interest. It will cover all branches of chemistry and communications will appear within three months of their receipt in the UK Office. In format and range of subject matter the journal will closely resemble its 'sister' publication, the popular RSC journal **Chemical Communications**.

The content and presentation of **Mendeleev Communications** will both be of the highest quality. Two stages of rigorous international refereeing will ensure that only the very best submissions are accepted. Papers will be carefully and accurately translated into English before being edited in accordance with the traditional high standards of The Royal Society of Chemistry.

**Mendeleev Communications** will be essential reading, keeping the international chemical community in touch with the latest in chemical research from the USSR.

Find out more about this important new journal – for further information and a free sample copy, simply complete and return the slip below.

ROYAL SOCIETY OF CHEMISTRY
Information

Please send me further information and a sample issue of <b>Mendeleev</b> Communications	
Name	
Position	
Organisation	
Address	

#### Please return to:

Alison Hibberd, Royal Society of Chemistry, Thomas Graham House, Science Park, Milton Road, Cambridge CB4 4WF, United Kingdom.

**To order** please phone (0462) 672555 quoting your credit card details – we now accept Access/Visa/Mastercard/Eurocard

Or write to the address above enclosing a cheque made payable to the Royal Society of Chemistry. We can also issue pro-forma invoices if required.