

SACLU DU FRET

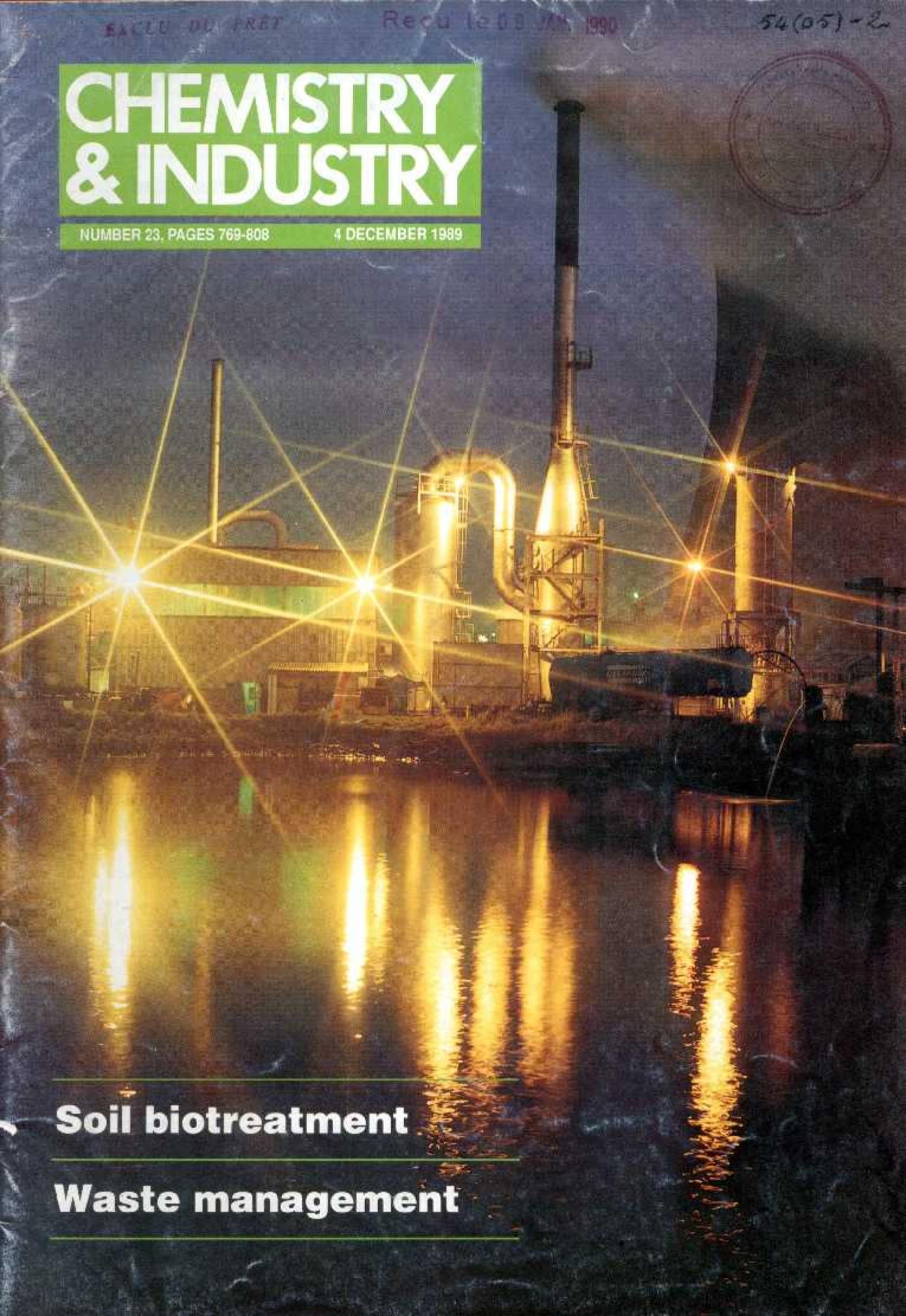
Reçu le 03 JUIN 1990

54(05) - 2

CHEMISTRY & INDUSTRY

NUMBER 23, PAGES 769-808

4 DECEMBER 1989



Soil biotreatment

Waste management

CHEMISTRY & INDUSTRY

NUMBER 23, PAGES 769-808

4 DECEMBER 1989

NEWS

Science gets extra funds... Lords report on global warming...
 1992 polluted... NAWDC sets code of practice...
 Food labelling reviewed... UK acts on food... Sheffield recycles...
 BP steps up ethylene production... All change in France...
 Chemical trade... Contaminated food wrappers...
 HSE to act on legionnaire's disease...

770

NEWS REPORTS

Crop protection

Julian Rose reports on the British Crop Protection Council's weeds conference held last month in Brighton.

775

Spanish petrochemicals

Colleen Shannon talks to Spain's largest petrochemicals company about its plans for the 1990s.

776

GCC-EC trade

Andrew Miller examines some of the arguments for and against a free trade area agreement.

777

SOIL BIOTREATMENT

Microbial Clean-up of Contaminated Soil

Workers at BioTreatment describe the successful reclamation of the former Greenbank Gas Works using a combination of novel microbiological and conventional engineering technologies.

778



Bacterial Degradation of Hydrocarbon Contamination in Soil and Groundwater

John Lapinskas of Land Restoration Systems explains how biotechnology is being applied to the clean-up of hydrocarbon-based pollution.

784

Editor Andrew Moller

Assistant editors Ferry Biedermann (News), Lorraine Walters.

Editorial assistant Colleen Shannon.

Editorial office 14-15 Belgrave Square, London SW1X 8PS. Telephone: 01-235 3681 Fax: 01-423 1698.

Advertisement manager Geoff Harris

Advertisement office Harris Associates, 3 George Lane, Royton, Herts SG8 9AR.

Telephone: 0703 245322 Fax: 0703 45565.

Management committee J C L Cox (chairman), D E Bayliss, J Gregory, A J B Spaul.

Editorial advisory board R deB Azimovik, J Cossell, E R Dennis, D Hanks,

J F Kennedy, P Luckham, L McGrath, R H Prince, S Shoop, J M Sidwick,

R Street, A Wiseman.

WASTE MANAGEMENT

Industry Recommendations for a Waste Disposal Strategy

Keith Bury, chairman of the National Association of Waste Disposal Contractors, examines the UK waste management industry and outlines ways to strengthen the proposed 'duty of care'.

790



BOOK REVIEWS

Waste treatment... coordination chemistry... photochemical synthesis... the chemistry of the quinonoid compounds... and of sulphones and sulphoxides... organolithium methods... polymers for advanced technologies... environmental threats... biomass energy.

794

COMMUNICATIONS TO THE EDITOR

Nickel boride desulphurisation of α,β -unsaturated ethylene dithioketals.

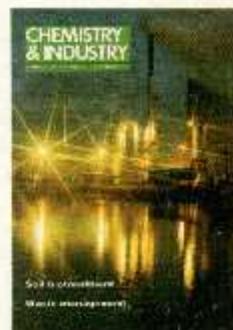
Syed S Zaman, Parijat Sarmah, Nabin C Barua and Ram P Sharma

806

Control with polyethers of pore distribution of alumina by the sol-gel method.

Kazuyuki Maeda, Fujio Mizukami, Masaharu Watanabe, Shuichi Niwa, Makoto Toba and Kazuo Shimizu

807



Cover photograph: Cleanaway's high temperature incinerator, Cheshire, courtesy of Cleanaway Limited.

Chemistry and Industry

(ISSN 0009-3068) is published semi-monthly by the Society of Chemical Industry, 14-15 Belgrave Square, London SW1X 8PS. All orders, accompanied with payment, should be sent directly to the Society of Chemical Industry, The Distribution Centre, Blackhorse Road, Lea Bridge, Herts SG6 1HN, England. Annual subscription rate for 1989: UK £128.50 Rest of the world (excl Japan) £152.00, USA \$245.00. Air freight and mailing in the USA by Publications Expediting Inc, 200 Meacham Avenue, Elmont, New York 11003. USA Postmaster: send address changes to Chemistry and Industry, Publications Expediting Inc, 200 Meacham Avenue, Elmont, New York 11003. Second class postage paid at Jamaica, New York 11431. All other despatches outside the UK by bulk airmail within Europe, accelerated surface post outside Europe. Printed in the UK by Strange the Printer Limited, Streatham Road, Heathfield, East Sussex TN21 8HX, and at Granville House, 112 Bermondsey Street, London SE1 3TX.