

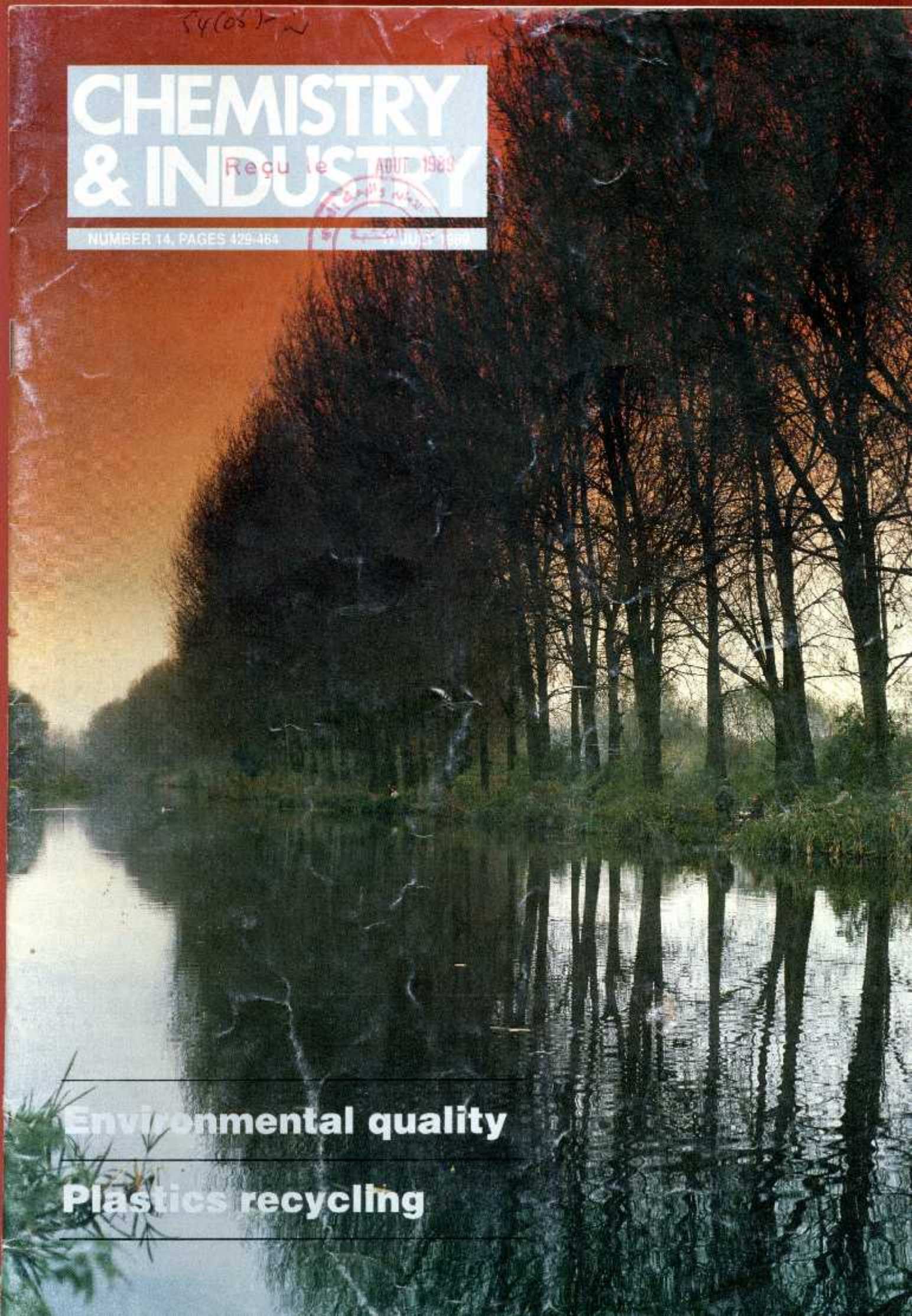
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CHEMISTRY & INDUSTRY

Reçu le AOUT 1989



NUMBER 14, PAGES 479-484
JULY 1989



Environmental quality

Plastics recycling



NEWS

Royal commission reports on GEO releases...
ICI stops North Sea dumping... Contaminated land...
Consumers want UK food safety agency... ICI to build Taiwan plant...
World methanol market... Petrochemicals restructuring...
Food irradiation test found... Enimont receives assets...

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NEWS REPORTS

Czech chemicals

Recently new laws were passed in Czechoslovakia to make joint ventures with foreign partners easier to set up. Ferry Biedermann reports on the INCHEBA international chemical fair held in Bratislava last month and the effects of *perestroika* on the Czech chemical industry.

US air pollution

Last month President George Bush announced his initiatives for combating acid rain, toxic air pollutants and urban smog in the USA. Lois Ember explains how these proposals will effect the US chemical industry.

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RECYCLING

Plastics Recycling Takes Off in the USA

Plastics recycling is booming in the USA; it is practical, environmentally sound, cost effective and potentially profitable. In the first of two articles Charles Kline outlines the US plastics industry's preliminary efforts at recycling.



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WATER QUALITY STANDARDS

Environmental Quality Objectives and Effluent Control

Rex Agg and Thomas Zabel of the Water Research Centre discuss the UK's approach to the control of dangerous substances in the aquatic environment.

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ECOLOGICAL MONITORING

Aquatic Toxicity of Complex Effluents

With the increasing demand for environmental protection, a better understanding of the effects of complex mixtures on the aquatic ecosystem is needed. Richard Lloyd of MAFF's Directorate of Fisheries Research discusses the application and limitations of effluent bioassays to this problem.



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PERKIN MEDAL ADDRESS

The Roots of Innovation

Union Carbide's Frederick Karol explores the idea of innovation by drawing upon his own experience in the development of the *Unipol* polyethylene process.

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COMMUNICATIONS TO THE EDITOR

Enantioselective microbial reduction of ferrocene aldehyde with baker's yeast.

Taeko Izumi, Toshimi Hino, Kezo Shoji, Kenryo Sasaki and Akira Kasahara

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Shipping container floors as sources of chlorophenol contamination in non-hermetically sealed foods.

Frank B Whitfield, T H Ly Nguyen and C Ross Tindale

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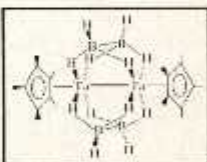
Acid-catalysed hydrolysis of ketone semicarbazones.

Edmund J Eisenbraun, Robert P Wesley, Ronald S Budhram and Brahmdeo Dewprashad.

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HIGHLIGHTS

Cycloaddition reactions... useful results with reagents based on titanium, boron, zinc and sulphur... approaches to the polyether brevetoxins... the interplay of axial and planar chirality in ferrocenyl ligands... reactions of borohydride with tantalum complexes... activation of Si-H bonds.



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