

Surface Chemistry and Catalysis. Edited by Albert F. Carley, Philip R. Davies, Graham J. Hutchings, and Michael S. Spencer (Cardiff University, Wales). Kluwer Academic/Plenum Publishers: New York. 2002. xviii + 382 pp. \$150.00. ISBN 0-306-47393-3.

This book is a tribute to chemist Wyn Roberts who in 2001 celebrated both his 70th birthday and 50 years of research in surface science. The goal of the book was to cover all areas of surface science and catalysis that are of interest to Roberts, and all of the chapters were written by international experts in the field who have worked in some capacity with him. The three main areas that are covered are surface science, model catalysts, and catalysis. The book is completed by appendices of Roberts' publications and students and a subject index.

JA025349W

10.1021/ja0253492

Progress in Heterocyclic Chemistry. Volume 14. Edited by Gordon W. Gribble (Dartmouth College) and Thomas L. Gilchrist (University of Liverpool). Pergamon (An Imprint of Elsevier Science): Oxford. 2002. viii + 376 pp. \$210.00. ISBN 0-08-044190-4.

This book reviews the significant literature on heterocyclic chemistry, ranging from three- to eight-membered and larger ring systems, that appeared in 2001; seven-membered rings are not reviewed in this volume. It also contains two specialized reviews, one on sulfur-containing indoles and another on electrophile-induced *5-endo* cyclizations. A subject index completes the book.

JA025355S

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Chemistry of Taste: Mechanisms, Behaviors, and Mimics. Edited by Peter Given (Pepsi-Cola Company) and Dulce Paredes (Kraft Foods). American Chemical Society: Washington, DC (Distributed by Oxford University Press). 2002. xiv + 362 pp. \$150.00. ISBN 0-8412-3734-4.

This book was developed from a symposium on the chemistry of taste sponsored by the ACS Division of Agricultural and Food Chemistry and held in San Francisco in March 2000. The 23 chapters are organized under the following headings: Mechanisms of Taste; Genetics and Physiology; Olfactory Mechanisms and Flavor Release; Taste, Smell, and Trigeminal Interactions; Taste Preference and Consumer Models; and Analytical Approaches. Author and subject indexes complete the book.

JA025351N

10.1021/ja025351n

DNA-Based Molecular Construction. AIP Conference Proceedings, 640. Edited by Wolfgang Fritzsche (IPHT, Jena, Germany). American Institute of Physics: Melville, New York. 2002. xii + 134 pp. \$120.00. ISBN 0-7354-0095-4.

This book was developed from an international workshop—possibly the first meeting, according to the editor, to focus on DNA-nanotechnology—held in Jena, Germany, in May 2002. The chapters are organized under the following headings: DNA at Surfaces; Manipulation by an Electric Field; Nanowire and Conductivity; and DNA Superstructures. The book concludes with a copy of the workshop program, the workshop notes, photos, a list of participants, and an author index.

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