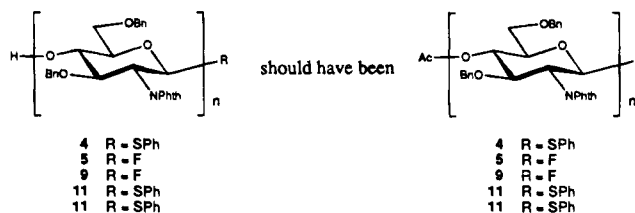


## Additions and Corrections

### Orthogonal Glycosylation Strategy in Oligosaccharide Synthesis [J. Am. Chem. Soc. 1994, 116, 12073–12074].

OSAMU KANIE, YUKISHIGE ITO, AND TOMOYA OGAWA\*

Page 12074, Table 1:



JA9550034

## Book Reviews \*

**Reviews on Analytical Chemistry—Euroanalysis VIII.** Edited by D. Littlejohn (University of Strathclyde, Glasgow) and D. Thorburn Burns (Queen's University of Belfast). Royal Society of Chemistry: Cambridge, U.K. 1994. x + 365 pp. ISBN 0-85186-982-3.

These proceedings of Euroanalysis VIII, held at Edinburgh, U.K., in September 1993, emphasize developments in biomedical and pharmaceutical analysis, sensors, and environmental analysis. Special sessions were organized on Computer-based Analytical Chemistry (COBAC) and the Validity of Analytical Measurements (VAM). The contents include Recent European Initiatives to Improve the Quality of Food Analysis, Water Quality Standards, Effects of Redox Variations on Metal Speciation, Recent Progress in Plasma Source Mass Spectrometry, Laser-Induced Molecular Luminescence, Neural Networks, Microelectrodes, and Magnesium, among other topics. A subject index is included.

JA955125W

**Regulation of Atmospheric CO<sub>2</sub> and O<sub>2</sub> by Photosynthetic Carbon Metabolism.** Edited by N. E. Tolbert and Jack Preiss (Michigan State University). Oxford University Press: New York and Oxford. 1994. ix + 272 pp. \$75.00. ISBN 0-19-507932-9.

Representing the proceedings of a symposium to recognize the transition of Professor Nathan Edward Tolbert to emeritus status, the chapters of this volume are organized around the topic of regulation of atmospheric CO<sub>2</sub> and O<sub>2</sub>. There are two contributions from outside the subject area of photosynthesis: environmentalists W. R. Emanuel et al. provide data on the magnitude of currently increasing atmospheric CO<sub>2</sub>, and J. C. G. Walker gives a geologist's viewpoint about long-term changes in global carbon pools. Chapter headings include (1) The Environment and Geochemistry, (2) The C<sub>3</sub> Photosynthetic Carbon Cycle, (3) Photorespiration and Respiration, (4) CO<sub>2</sub>-Concentrating Processes, and (5) The Environment.

JA9551244

**Annual Review of Physical Chemistry. Volume 45.** Edited by Herbert L. Strauss (University of California, Berkeley). Annual Reviews Inc.: Palo Alto, CA, 1994. viii + 799 pp. \$51.00. ISBN 0-8243-1045-4.

This year's review offers a wide range of articles combining traditional themes that define many of the frontiers of modern science. The editors hope to provide relatively short but useful guides to each subject area, enabling their readers to assess the progress for themselves. Some of the subjects covered are Molecular Spectroscopy, Multiphoton

Spectroscopy, Dynamics by Semiclassical Methods, Surface Photochemistry, Propagation Methods for Quantum Molecular Dynamics, and Theory and Applications of Neural Computing in Chemical Science, among others. Author, subject, and cumulative indexes are included.

JA955123B

**Organic Syntheses. Cumulative Indices for Collective Volumes 1–8.** Edited by Jeremiah P. Freeman (University of Notre Dame). Wiley & Sons: New York. 1995. xxiii + 620 pp. \$75.00. ISBN 0-471-31192-8.

Updating and revising the first five collective volumes, this text includes all eight existing volumes. All the compounds prepared in a multistep procedure are found in the index along with the final product. The Hazards and Waste Disposal index directs the reader to warnings concerning certain procedures, due to the explosive, toxic, or other properties of the compounds. Other indexes include Solvents and Reagents, Tables, Type of Reaction, Type of Compound, Formula, Apparatus, and Cumulative Author.

JA955122J

**Progress in Heterocyclic Chemistry. Volume 6.** Edited by H. Suschitzky (University of Salford, U.K.) and E. F. V. Scriven (Reilly Industries Inc.). Pergamon: Oxford, U.K. 1994. viii + 341 pp. \$152.00. ISBN 0-08-042086-9.

This critical review of the 1993 literature is preceded by two chapters on current heterocyclic topics; one of these, by ISHC president A. Padwa, details the application of selected "Heterocycles as Vehicles for Synthesis." Other chapters described advances arranged according to ring size. Numerous diagrams and a brief index are included.

JA955121R

**Methods in Carbohydrate Chemistry. Volume 10. Enzymic Methods.** Edited by James N. BeMiller (Purdue University). Wiley & Sons: New York. 1995. xvii + 332 pp. \$69.00. ISBN 0-471-52940-0.

The use of enzymes to solve carbohydrate problems is seen by many as a versatile alternative to purely chemical methods. Although previous volumes in the series included some enzymic methods of analysis or enzymic modifications of polysaccharides, this 10th volume provides a more comprehensive survey. Separate sections deal with (a) determination of mono- and oligosaccharides and certain derivatives, (b) determination of some polysaccharides, (c) the structure analysis of more complex polysaccharides, and (d) preparative methods.

JA955120Z

\*Unsigned book reviews are by the Book Review Editor.

**Official and Standardized Methods of Analysis. 3rd Edition.** Edited by Colin Watson. Royal Society of Chemistry: Cambridge, U.K. 1994. xxiv + 778 pp. £110.00. ISBN 0-85186-441-4.

Reflecting the changes that have taken place in the practice of chemistry since 1973, these recommended methods of the Analytical Methods Committee of the Royal Society of Chemistry are particularly timely. The widespread uses of atomic spectroscopy and high-performance liquid chromatography have resulted in their adoption for many official and standard methods, and technical improvements such as open-column GC also appear. Included are summaries and references to the large number of other official and recommended methods of analysis. Chapter headings include Animal Feedingstuffs, Additives, Analysis of Cosmetic Products, Essential Oils, Fertilisers, Methods of Analysis for Foodstuffs, Water and Various Materials Analysis, EC Food Methods, British Standards, and an index.

JA9551188

**Disorder Effects on Relaxational Processes.** Edited by Ranko Richert (Max-Planck Institut) and Alexander Blumen (Albert-Ludwigs-Universitat). Springer-Verlag: Berlin. 1994. xiii + 754 pp. ISBN 3-540-57327-5.

With each field of noncrystalline materials covered by an area expert, this collection represents the current state in the understanding of disorder effects as well as a survey of the basic problems and phenomena involved in organic and inorganic glassy systems. Topics covered are General Approaches, Models for Relaxations, Dielectric Spectroscopy and Solvation, Nuclear Magnetic Resonance, Hole Burning, Transport Phenomena, and Dynamics in Complex Systems. A subject index is included, along with 346 figures, 24 tables, and 1600 references.

JA9551190