IUPAC seeks your comments

In this section we publish synopses of IUPAC’s latest provisional recommendations on nomenclature and symbols. All comments on these recommendations are welcome and will be taken into consideration. The final revised versions are published in Pure and Applied Chemistry and synopses of these are published in Chemistry International as recent reports.

If you would like to comment on the provisional recommendations please write to your nearest national/regional centre requesting a copy of the full report. Copies are not available from the IUPAC Secretariat. The most recent list of the national/regional centres appeared in Chemistry International 1997, 17, 141. This information is also available on the IUPAC Web Site: http://www.iupac.org

Inorganic Chemistry Division. Commission on Nomenclature of Inorganic Chemistry—Nomenclature of Organometallic Compounds of the Transition Elements

Organometallic compounds are defined as containing at least one bond between an organic molecule and a metal. Organometallic nomenclature therefore usually combines the nomenclature of organic chemistry and that of coordination chemistry. Provisional rules outlining nomenclature for such compounds are found both in Nomenclature of Organic Chemistry, 1979 and in Nomenclature of Inorganic Chemistry, 1990.

As part of a joint effort by commissions II.2 and III.1 to publish a separate rule book on organometallic nomenclature, a document on transition metal compounds is presented.

This document describes the nomenclature of compounds with metal–carbon single bonds, metal–carbon multiple bonds as well as complexes with unsaturated molecules (metal–π–complexes). Organometallic com-
pounds are considered to be produced by addition reactions and so they are named on an addition principle. The name therefore is built around the central metal atom name. Organic ligand names are derived according to the rules of organic chemistry with appropriate endings to indicate the different bonding modes. To designate the points of attachment of ligands in more complicated structures, the \( \eta \), \( \kappa \), and \( \mu \)-notations are used. The final section deals with the abbreviated nomenclature for metallocenes and their derivatives.

Comments on these recommendations are welcome and should be sent by 1 December 1998 to Prof. Dr A. Salzer, Institut für Anorganische Chemie, RWTH Aachen, D 52056 Aachen, Germany. Tel.: +49 241 804646, fax: +49 241 8888 288, e-mail: albrecht.salzer@ac.rwth-aachen.de


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Analytical Chemistry Division Commission on General Aspects of Analytical Chemistry. Classification and Use of Terms for Amplification and Related Reactions

(Prepared by D. Thorburn Burns and Alan. Townshend)

1Department of Analytical Chemistry, The Queen’s University of Belfast, Belfast, BT9 5AG, N. Ireland, UK;
2Department of Chemistry, The University of Hull, Hull, HU6 7RX, UK

Synopsis: A systematic classification is given for the various types of amplification and related reactions. The report refines earlier IUPAC recommendations (Pure & Appl. Chem. 1982, 54, 2553–2556,) to include non-multiplication reactions.

Comments by 1 December 1998 to Prof. D. Thornburn Burns <H.Johnston@Queens-Belfast.AC.UK>

Conference Calendar

Visit http://www.iupac.org for complete information and further links

1998

Medicinal Chemistry
6–10 September 1998
XVth International Symposium on Medicinal Chemistry, Edinburgh, Scotland, UK.

Electrochemistry
13–18 September 1998
49th Annual Meeting of the International Society of Electrochemistry, Kitakyushu, Japan.
Prof. Rika Hagiwara. Department of Fundamental Energy Science, Graduate School of Energy Science, Kyoto University, Sakyo-ku, Kyoto 606, Japan. Tel.: +81 75 753 5822, fax: +81 75 753 5906, e-mail: ise@g-chem.nucleng.kyoto-u.ac.jp

Chemistry of germanium, tin and lead
20–25 September 1998
9th International Conference on the Coordination and Organometallic Chemistry of Germanium, Tin & Lead (ICOC GTL-9), Melbourne, Australia.
Prof. Dainis Dakternieks, School of Biological & Chemical Sciences, Deakin University, Geelong 3217, Australia. Tel.: +61 3 52 271318, fax: +61 3 52 271040, email: dainis@deakin.edu.au

Supramolecular science and technology
27 September–3 October 1998
1st International Conference on Supramolecular Science & Technology, Zakopane, Poland.
Prof. Marek Pietraszkiewicz, Chairman, Institute of Physical Chemistry, ul. Kaspazaka 44/52, 01-224 Warsaw, Poland. Tel.: +48 22 632 3221 (ext. 3226), fax: +48 39 12 0238, e-mail: pietrasz@ichf.edu.pl

Chemistry of natural products
11–16 October 1998
21st IUPAC symposium on the Chemistry of Natural Products, Beijing, China.
Prof. Xiaotian Liang, Chairman, Prof. Xibai Qiu, Secretary, c/o Chinese Chemical Society, PO Box 2709, Beijing 100080, China. Tel./fax: +86 10 625 68157, e-mail: qixub@infoc3.icas.ac.cn

Excitonic processes in condensed matter
2–5 November 1998
Third International Conference on Excitonic Processes in Condensed Matter, Boston, MA, USA.
Prof. William M. Yen, Department of Physics and Astronomy, University of Georgia, Athens, GA