

## Committee on Printed and Electronic Publications (CPEP) Report to Council

The committee met in Brisbane in 2001 and in Cambridge, UK, on July 11-12, 2002. In line with CPEP's new priorities, the two-day annual meeting has been restructured so that project business and strategic electronic publishing issues are discussed on the first day and operational issues, such as reviewing reports from the Secretariat, are dealt with on the second day. Between annual meetings, the committee members have communicated regularly with each other, and the Secretariat, mainly by email.

CPEP is responsible for three projects:

1999-046-2-024 - Data exchange standard for electron paramagnetic resonance data types (incl. ESR EMR etc.) (Lancashire, completion date 2003)

2002-020-2-024 - Data exchange standard for near infrared spectra and general spectroscopic calibration data types (Downey, completion date 2005)

2002-022-1-024 - Standard XML data dictionaries for chemistry (Stein, completion date 2005).

Lancashire's task group met in Aberdeen, Scotland in April 2002. Downey's project was only recently approved. Stein's team will meet in November 2003, in conjunction with a meeting on the Chemical Identifier ("IChI") project. At that meeting the possibilities of including an, as yet unapproved, CatML project in the XML Data Dictionary work will be considered. CPEP continues to follow the development with IChI with interest. The Chairman and Stephen Heller attended the CAS/IUPAC Conference on Chemical Identifiers and XML for Chemistry in Columbus, Ohio, in July, 2002.

Numerous project proposals have been submitted to CPEP for review but, with the exception of CPEP projects, pressure of work has prevented the CPEP secretary from reviewing the submitted texts, in particular with a view to feasibility of plans for publication of the results. An attempt to spread the reviewing load more widely among the CPEP membership has not been successful, partly because of lack of familiarity with the formal mechanisms.

Since the editorial advisory board of *Pure and Applied Chemistry (PAC)* is now defunct, Yechezkel Wolman and James Bull have been appointed to report to CPEP annually in writing on content and strategy issues surrounding IUPAC Publications. This decision may need to be reconsidered in view of the appointment of James Bull as Scientific Editor of *PAC*. A subcommittee under Tony Davies (Secretary of CPEP) has been formed to continue the work of the previous Working Party on Spectroscopic Data Standards and act as the reporting body for Limited Term Task Groups working in this field.

The Chairman of CPEP attended the International Council for Scientific and Technical Information (ICSTI) General Assemblies in Stockholm, Sweden, in June 2002, and in Ottawa, Canada in May 2003, and the ICSTI/INIST Conference on Open Access to Scientific and Technical Information in Paris in January 2003. An article (by the CPEP Chairman) on the Open Access meeting is due to appear in *CI* later in 2003. The CPEP

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Secretary attended the ICSTI/ICSU/CODATA conference on electronic archiving at UNESCO, Paris in February 2001, and produced an article for CI on the subject in 2002.

The subscription prices for *PAC* have been raised in 2003 from US\$1200 to US\$1300 for institutions and from US\$892 to US\$900 for the electronic-only service. The Bureau approved the price rises after the Secretariat and the CPEP Chairman researched the price increases being applied by other publishers, commercial and not-for-profit. Subscription rates for *Chemistry International (CI)* remain the same.

The ranking (31) and impact factor (1.535) of *PAC* have improved between 1999 and 2001 (the last year for which measurements were available from the Institute for Scientific Information in time for the meeting of the Bureau in September 2002). James Bull, who has done sterling work on special topics for *PAC*, has been appointed Scientific Editor of *PAC*, as one result of the report from the Conference Policy Development Committee.

The Bureau has congratulated Fabienne Meyers on improvements in *CI* in 2002. A redesigned version of the magazine was launched in January 2003. While the enhancements do not go as far as those recommended by the committee chaired by Michael Bowen, Fabienne Meyers is to be congratulated on the enhancements she has been able to make within strict budget constraints. Her job would be made much easier if members of IUPAC Divisions and Committees (and others) were more willing to submit short articles to the Union's news magazine.

The University Grants Commission (UGC) in India has an initiative to make it possible for the university community to have electronic access to research journals and related material. The Secretariat, with advice from CPEP, is working on a pricing strategy for delivering *PAC* content to this Indian consortium. *PAC Online* has abstracts for all content and full text PDF versions of recommendations and technical reports. Fabienne Meyers has done excellent work in making the IUPAC Web site a significant source of information for the worldwide chemistry community. Her email news alerts are also much appreciated.

One CPEP member (David James of the Royal Society of Chemistry, UK) has been forced to resign as a result of new job responsibilities. Two long-serving members (Stephen Heller and Yechezkel Wolman) are no longer eligible after 2003. Their hard work and support over the years has been much appreciated. Two potential new members have been invited as observers of the committee meeting in Ottawa. It is hoped that Leslie Glasser of Australia will take over as the new chairman of CPEP for 2004-2005 and beyond.

Following this report is a summary of publication activities at the Secretariat.

## **IUPAC Sponsored Conferences Published in 2001, 2002, and through July 2003**

11th European Conference on Analytical Chemistry (EUROANALYSIS XI)  
Lisbon, Portugal, 3-Sep-2000, 9-Sep-2000  
*Pure Appl. Chem.*, **73**(1), 1-54, (2001)

Medicinal Chemistry, XVIth International Symposium on  
Bologna, Italy, 18-Sep-2000, 22-Sep-2000  
*Pure Appl. Chem.*, **73**(1), 55-75, (2001)

Green Chemistry, International Symposium on  
Delhi, India, 10-Jan-2001, 13-Jan-2001  
*Pure Appl. Chem.*, **73**(1), 77-203, (2001)

Organometallic Chemistry, XIXth International Conference on (XIX ICOMC)  
Shanghai, China, 23-Jul-2000, 28-Jul-2000  
*Pure Appl. Chem.*, **73**(2), 205-376, (2001)

Photochemistry, XVIIIth IUPAC Symposium on  
Dresden, Germany, 22-Jul-2000, 27-Jul-2000  
*Pure Appl. Chem.*, **73**(3), 395-548, (2001)

Natural Products, 22nd International Symposium on Chemistry of (ISCNP-22)  
Sao Carlos, Brazil, 4-Sep-2000, 8-Sep-2000  
*Pure Appl. Chem.*, **73**(3), 549-626, (2001)

Solubility Phenomena, 9th International Symposium on (9th ISSP)  
Hammamet, Tunisia, 25-Jul-2000, 28-Jul-2000  
*Pure Appl. Chem.*, **73**(5), 761-844, (2001)

World Chemistry Congress 2001 - 38th IUPAC Congress  
Brisbane, Australia, 1-Jul-2001, 6-Jul-2001  
*Pure Appl. Chem.*, **73**(7), 1033-1145, (2001)

Chemistry and the Quality of Life, 8th International Chemistry Conference in Africa  
(8th ICCA)  
Dakar, Senegal, 30-Jul-2001, 4-Aug-2001  
*Pure Appl. Chem.*, **73**(7), 1147-1223, (2001)

CHEMRAWN XIV Conference on Green Chemistry: Toward Environmentally Benign  
Processes and Products  
Boulder, Colorado, USA, 9-Jun-2001, 13-Jun-2001  
*Pure Appl. Chem.*, **73**(8), 1229-1330, (2001)

Medicinal Chemistry, Hungarian-German-Italian-Polish Joint Meeting on  
Budapest, Hungary, 2-Sep-2001, 6-Sep-2001  
*Pure Appl. Chem.*, **73**(9), 1387-1509, (2001)

Analytical Science 2001, International Congress in (ICAS 2001)  
Tokyo, Japan, 6-Aug-2001, 10-Aug-2001  
*Pure Appl. Chem.*, **73**(10), 1555-1623, (2001)

Plasma Chemistry, 15th International Symposium on (ISPC-15)  
Orleans, France, 9-Jul-2001, 13-Jul-2001  
*Pure Appl. Chem.*, **74**(3), 317-492 (2002)

## **IUPAC Sponsored Conferences Published in 2001, 2002, and through July 2003**

Biodiversity, 3rd International Conference on (ICOB-3)

Antalya, Turkey, 3-Nov-2001, 8-Nov-2001

*Pure Appl. Chem.*, **74**(4), 511-584, (2002)

Bioinformatics 2002, International Conference on

Bangkok, Thailand, 6-Feb-2002, 8-Feb-2002

*Pure Appl. Chem.*, **74**(6), 881-919, (2002)

Heterocyclic Conference, 3rd Florida (FloHet III)

Gainesville, Florida, USA, 6-Mar-2002, 8-Mar-2002

*Pure Appl. Chem.*, **74**(8), 1327-1368, (2002)

Carotenoids, 13th International Symposium on

Honolulu, Hawaii, USA, 6-Jan-2002, 11-Jan-2002

*Pure Appl. Chem.*, **74**(8), 1369-1477, (2002)

Nanostructured Advanced Materials, Workshop on (WAM II) ; IUPAC Conference on  
New Directions in Chemistry

Bangalore, India, 13-Feb-2002, 16-Feb-2002

*Pure Appl. Chem.*, **74**(9), 1581-1591, (2002)

Lectures presented at the 14th International Conference on Organic Synthesis (ICOS-14),

Christchurch, New Zealand, 14-18 July 2002

Christchurch, New Zealand, 14-Jul-2002, 19-Jul-2002

*Pure Appl. Chem.*, **75**(1), 1-70 (2003)

Natural Products, 23rd International Symposium on the Chemistry of (ISCNP-23)

Florence, Italy, 28-Jul-2002, 2-Aug-2002

*Pure Appl. Chem.*, **75**(2-3), 141-419 (2003)

Organometallic Chemistry (ICOMC), XXth International Conference on

Corfu, Greece, 7-Jul-2002, 12-Jul-2002

*Pure Appl. Chem.*, **75**(4), 421-494 (2003)

Physical Organic Chemistry, 16th International Conference (ICPOC-16): Structure and  
Mechanism in Organic Chemistry

San Diego, California, USA, 4-Aug-2002, 9-Aug-2002

*Pure Appl. Chem.*, **75**(5), 541-630 (2003)

Mycotoxins and Phycotoxins, 10th International Symposium on

Sao Paulo, Brazil, 21-May-2000, 25-May-2000

*de Koe*, 1-576 (2001)

Food Packaging: Ensuring Safety and Quality of Foods, 2nd International Symposium  
on

Vienna, Austria, 8-Nov-2000, 10-Nov-2000

*Food Additives & Contaminants* (2002;19:S1-S228)

Trace Elements in Food

Warsaw, Poland, 9-Oct-2000, 11-Oct-2000

*Food Additives & Contaminants* (2002;Vol.19, No.10)

## **IUPAC Sponsored Conferences Published in 2001, 2002, and through July 2003**

Polymer Networks '2000, 15th Group Meeting  
Cracow, Poland, 17-Jul-2000, 21-Jul-2000  
*Macromol. Symp.*, 171, 1-263, (2001)

Macromolecules and Materials Science, 3rd Annual UNESCO School and Conference on  
Stellenbosch, South Africa, 8-Apr-2000, 12-Apr-2000  
*Macromol. Symp.*, 165, 1-154, (2001)

Polymers, 7th Latin American Symposium on (SLAP'2000) and 5th Ibero American  
Congress on  
Havana, Cuba, 20-Nov-2000, 24-Nov-2000  
*Macromol. Symp.*, 168, 1-116, (2001)

Polymers In Medicine, 40th Microsymposium  
Prague, Czech Republic, 17-Jul-2000, 20-Jul-2000  
*Macromol. Symp.*, 172, 1-165, (2001)

Macromolecules, International Symposium on (MACRO 2000)  
Warsaw, Poland, 9-Jul-2000, 14-Jul-2000  
*Macromol. Symp.*, 174 and 175, (2001)

Macromolecules and Materials Science, 4th Annual UNESCO School and South African  
IUPAC Conference on  
Stellenbosch, South Africa, 9-Apr-2001, 11-Apr-2001  
*Macromol. Symp.*, 178, 1-181 (2002)

Polymers: Preparation of Nonconventional Polymer Dispersions, 15th Bratislava  
International Conference on  
Smolenice, Slovak Republic, 25-Jun-2001, 28-Jun-2001  
*Macromol. Symp.*, 179, 1-358 (2002)

Free-Radical Polymerization: Kinetics and Mechanism, 3rd International Symposium on  
Lucca, Italy, 3-Jun-2001, 8-Jun-2001  
*Macromol. Symp.*, 182, 1-303 (2002)

Ionic Polymerization, 4th International Symposium on  
Crete, Greece, 22-Oct-2001, 26-Oct-2001  
*Macromol. Symp.*, 183, 1-210 (2002)

Macromolecule-Metal Complexes, 9th International Symposium on (MMC-IX)  
Brooklyn, New York, USA, 19-Aug-2001, 23-Aug-2001  
*Macromol. Symp.*, 186, 1-185 (2002)

Polymer Membranes, 41st Microsymposium on  
Prague, Czech Republic, 16-Jul-2001, 19-Jul-2001  
*Macromol. Symp.*, 188, 1-165 (2002)

Polymer Conference (6th Brazilian) / 9th International Macromolecular Colloquium  
Gramado, Brazil, 11-Nov-2001, 15-Nov-2001  
*Macromol. Symp.*, 189, 1-141 (2002)

**IUPAC Sponsored Conferences Published in 2001, 2002, and through July 2003**

Scattering Methods for the Investigation of Polymers, 20th Discussion Conference on Prague, Czech Republic, 9-Jul-2001, 12-Jul-2001

*Macromol. Symp.*, 190, 1-200 (2002)

## **Recommendations and Technical Reports Published in *Pure and Applied Chemistry* in 2001, 2002, and through July 2003**

Names for muonium and hydrogen atoms and their ions

W. H. Koppenol

*Pure Appl. Chem.*, **73**(2), 377-380, (2001) Recommendation

Nomenclature of structural and compositional characteristics of ordered microporous and mesoporous materials with inorganic hosts

L. B. McCusker, F. Liebau, and G. Engelhardt

*Pure Appl. Chem.*, **73**(2), 381-394, (2001) Recommendation

Figures-of-merit for the technical development and application of advanced oxidation technologies for both electric- and solar-driven systems

J. R. Bolton, K. G. Bircher, W. Tumas, and C. A. Tolman

*Pure Appl. Chem.*, **73**(4), 627-637, (2001) Technical Report

Organic photochromism

H. Bouas-Laurent and H. Dürr

*Pure Appl. Chem.*, **73**(4), 639-665, (2001) Technical Report

Atomic weights of the elements 1999

T. B. Coplen

*Pure Appl. Chem.*, **73**(4), 667-683, (2001) Technical Report

Lexicon of lipid nutrition

J. Beare-Rogers, A. Dieffenbacher, and J. V. Holm

*Pure Appl. Chem.*, **73**(4), 685-744, (2001) Technical Report

Measurement and analysis of results obtained on biological substances with differential scanning calorimetry

H.-J. Hinz and F. P. Schwarz

*Pure Appl. Chem.*, **73**(4), 745-759, (2001) Technical Report

Definitions of basic terms relating to low-molar-mass and polymer liquid crystals

M. Barón

*Pure Appl. Chem.*, **73**(5), 845-895, (2001) Recommendation

Blends containing core-shell impact modifiers. Part 1: Structure and tensile deformation mechanisms

C. B. Bucknall

*Pure Appl. Chem.*, **73**(6), 897-912, (2001) Technical Report

Blends containing core-shell impact modifiers. Part 2: Melt rheology of rubber-toughened plastics

M. Kozłowski and C. B. Bucknall

*Pure Appl. Chem.*, **73**(6), 913-916, (2001) Technical Report

Unit "katal" for catalytic activity

R. Dybkaer

*Pure Appl. Chem.*, **73**(6), 927-931, (2001) Technical Report

Human exposure to outdoor air pollution

O. Hertel, F.A.A.M. De Leeuw, O. Raaschou-Nielsen, S.S. Jensen, D. Gee, O. Herbarth, S. Pryor, F. Palmgren, and E. Olsen

*Pure Appl. Chem.*, **73**(6), 933-958, (2001) Technical Report

## **Recommendations and Technical Reports Published in *Pure and Applied Chemistry* in 2001, 2002, and through July 2003**

On the discovery of the elements 110-112

P.J. Karol, H. Nakahara, B. W. Petley, and E. Vogt

*Pure Appl. Chem.*, **73**(6), 959-967, (2001) Technical Report

Retention parameters in chromatography. Part A. Hold-up Volume Concept in Column Chromatography. Part B. Retention parameters in gas chromatography

J. A. Garcia Dominguez, J. C. Diez-Masa, and V. A. Davankov

*Pure Appl. Chem.*, **73**(6), 969-992, (2001) Recommendation

Risk assessment for occupational exposure to chemicals. A review of current methodology

R. F. M. Herber, J. H. Duffus, J. M. Christensen, E. Olsen, and M. Park

*Pure Appl. Chem.*, **73**(6), 993-1031, (2001) Technical Report

Errata: Spontaneous fission half-lives for ground state nuclides. IUPAC Technical Report, *Pure Appl. Chem.* **72**, 1525-1562 (2000)

N. E. Holden and D. C. Hoffman

*Pure Appl. Chem.*, **73**(7), 1225-1227, (2001) Technical Report

Modeling lifetime and degradability of organic compounds in air, soil, and water systems

A. Sabljic and W. Peijnenburg

*Pure Appl. Chem.*, **73**(8), 1331-1348, (2001) Technical Report

Use of Legendre transforms in chemical thermodynamics

R. A. Alberty

*Pure Appl. Chem.*, **73**(8), 1349-1380, (2001) Technical Report

Selectivity in analytical chemistry

J. Vessman, R.I. Stefan, J.F. van Staden, K. Danzer, W. Lindner, D.T. Burns, A. Fajgelj, and H. Müller

*Pure Appl. Chem.*, **73**(8), 1381-1386, (2001) Recommendation

Generic source-based nomenclature for polymers

E. Maréchal and E.S. Wilks

*Pure Appl. Chem.*, **73**(9), 1511-1519, (2001) Recommendation

Quantum chemical B3LYP/cc-pvqz computation of ground-state structures and properties of small molecules with atoms of  $Z < 18$  (hydrogen to argon)

R. Janoschek

*Pure Appl. Chem.*, **73**(9), 1521-1553, (2001) Technical Report

Standards in isothermal microcalorimetry

I. Wadsö and R. N. Goldberg

*Pure Appl. Chem.*, **73**(10), 1625-1639, (2001) Technical Report

Critical evaluation of stability constants of phosphonic acids

K. Popov, H. Rönkkömäki, and L.H.J. Lajunen

*Pure Appl. Chem.*, **73**(10), 1641-1677, (2001) Technical Report



## **Recommendations and Technical Reports Published in *Pure and Applied Chemistry* in 2001, 2002, and through July 2003**

Guidelines for the representation of pulse sequences for solution-state nuclear magnetic resonance spectrometry

A. N. Davies, J. Lambert, R. J. Lancashire, P. Lampen, W. Conover, M. Frey, M. Grzonka, E. Williams, and D. Meinhart

*Pure Appl. Chem.*, **73**(11), 1749-1764, (2001) Recommendation

JCAMP-DX. A standard format for the exchange of ion mobility spectrometry data

J. I. Baumbach, A. N. Davies, P. Lampen, and H. Schmidt

*Pure Appl. Chem.*, **73**(11), 1765-1782, (2001) Recommendation

Molality-based standards of electrolytic conductivity

K. W. Pratt, W. F. Koch, Y. C. Wu, and P. A. Berezansky

*Pure Appl. Chem.*, **73**(11), 1783-1793, (2001) Technical Report

NMR nomenclature. Nuclear spin properties and conventions for chemical shifts

R. K. Harris, E.D. Becker, S. Cabral de Menezes, R. Goodfellow, and P. Granger

*Pure Appl. Chem.*, **73**(11), 1795-1818, (2001) Recommendation

Critical evaluation of proven chemical weapons destruction technologies

G. S. Pearson and R. S. Magee

*Pure Appl. Chem.*, **74**(2), 187-316, (2002) Technical Report

Definitions of basic terms relating to polymer liquid crystals

M. Baron and R. F. T. Stepto

*Pure Appl. Chem.*, **74**(3), 493-509, (2002) Recommendation

Critical evaluation of stability constants for alpha-hydroxycarboxylic acid complexes with protons and metal ions and the accompanying enthalpy changes. Part II. Aliphatic 2-hydroxycarboxylic acids

R. Portanova, L. H. J. Lajunen, M. Tolazzi, and J. Piispanen

*Pure Appl. Chem.*, **75**(4), 495-540, (2003) Technical Report

Information essential for characterizing a flow-based analytical system

E. A. G. Zagatto, J. F. van Staden, N. Maniasso, R. I. Stefan, and G. D. Marshall

*Pure Appl. Chem.*, **74**(4), 585-592, (2002) Technical Report

Sulfate-sensing electrode. The lead amalgam/lead sulfate electrode

P. R. Mussini and T. Mussini

*Pure Appl. Chem.*, **74**(4), 593-600, (2002) Technical Report

Future requirements in the characterization of continuous fiber-reinforced polymeric composites

D. R. Moore and A. Cervenka

*Pure Appl. Chem.*, **74**(4), 601-628, (2002) Technical Report

Nomenclature for the C<sub>60</sub>-Ih and C<sub>70</sub>-D<sub>5h</sub>(6) fullerenes

W. H. Powell, F. Cozzi, R.J.-R. Hwu, G.P. Moss, C. Thilgen, and A. Yerin

*Pure Appl. Chem.*, **74**(4), 629-695, (2002) Recommendation

Molecular basis of biodiversity, conservation, and sustained innovative utilization

A. E. Fischli, U. K. Pandit, and D. StC. Black

*Pure Appl. Chem.*, **74**(4), 697-702, (2002) Technical Report

## **Recommendations and Technical Reports Published in *Pure and Applied Chemistry* in 2001, 2002, and through July 2003**

Naming of new elements

W. H. Koppenol

*Pure Appl. Chem.*, **74**(5), 787-791, (2002) Recommendation

"Heavy metals"--A meaningless term?

J. H. Duffus

*Pure Appl. Chem.*, **74**(5), 793-807, (2002) Technical Report

Phane nomenclature. Part II. Modification of the degree of hydrogenation and substitution derivatives of phane parent hydrides

H. A. Favre, D. Hellwinkel, W. H. Powell, H. A. Smith, Jr., and S. Tsay

*Pure Appl. Chem.*, **74**(5), 809-834, (2002) Recommendation

Harmonized guidelines for single-laboratory validation of methods of analysis

M. Thompson, S. L. R. Ellison, and R. Wood

*Pure Appl. Chem.*, **74**(5), 835-855, (2002) Technical Report

Polyaniline. Preparation of a conducting polymer

J. Stejskal and R. G. Gilbert

*Pure Appl. Chem.*, **74**(5), 857-867, (2002) Technical Report

Studies on biodegradable poly(hexano-6-lactone) fibers. Part 3. Enzymatic degradation in vitro

T. Hayashi, K. Nakayama, M. Mochizuki, and T. Masuda

*Pure Appl. Chem.*, **74**(5), 869-880, (2002) Technical Report

Definitions relating to stereochemically asymmetric polymerizations

K. Hatada, J. Kahovec, M. Barón, K. Horie, T. Kitayama, P. Kubisa, G. P. Moss, R. F. T. Stepto, and E. S. Wilks

*Pure Appl. Chem.*, **74**(6), 915-922, (2002) Recommendation

Potentiometric selectivity coefficients of ion-selective electrodes. Part II. Inorganic anions

Y. Umezawa, K. Umezawa, P. Bühlmann, N. Hamada, H. Aoki, J. Nakanishi, M. Sato, K. P. Xiao, and Y. Nishimura

*Pure Appl. Chem.*, **74**(6), 923-994, (2002) Technical Report

Potentiometric selectivity coefficients of ion-selective electrodes. Part III. Organic ions

Y. Umezawa, P. Bühlmann, K. Umezawa, and N. Hamada

*Pure Appl. Chem.*, **74**(6), 995-1099, (2002) Technical Report

Concepts and applications of the term dimensionality in analytical chemistry

K. Danzer, J. F. van Staden, and D. T. Burns

*Pure Appl. Chem.*, **74**(8), 1479-1487, (2002) Technical Report

Nomenclature of regular single-strand organic polymers

J. Kahovec, R. B. Fox, and K. Hatada

*Pure Appl. Chem.*, **74**(10), 1921-1956, (2002) Recommendation

Natural and synthetic substances related to human health

J. G. Topliss, A. M. Clark, E. Ernst, C. D. Hufford, G. A. R. Johnston, J. M. Rimoldi, and B. J. Weimann

*Pure Appl. Chem.*, **74**(10), 1957-1985, (2002) Technical Report

## **Recommendations and Technical Reports Published in *Pure and Applied Chemistry* in 2001, 2002, and through July 2003**

Isotope-abundance variations of selected elements

T.B. Coplen, J.K. Bohlke, P. DeBievre, T. Ding, N.E. Holden, J.A. Hopple, H.R. Krouse, A. Lamberty, H.S. Peiser, K. Revesz, S.E. Rieder, K.J.R. Rosman, E. Roth, P.D.P. Taylor, R.D. Vocke, Jr., and Y.K. Xiao

*Pure Appl. Chem.*, **74**(10), 1987-2017, (2002) Technical Report

Measurement of pH. Definition, standards, and procedures

R. P. Buck, S. Rondinini, A. K. Covington, F. G. K. Baucke, C. M. A. Brett, M. F. Camoes, M. J. T. Milton, T. Mussini, R. Naumann, K. W. Pratt, P. Spitzer, and G. S. Wilson

*Pure Appl. Chem.*, **74**(11), 2169-2200, (2002) Recommendation

Use of the term "recovery" and "apparent recovery" in analytical procedures

D. T. Burns, K. Danzer, and A. Townshend

*Pure Appl. Chem.*, **74**(11), 2201-2205, (2002) Recommendation

Impact of scientific developments on the Chemical Weapons Convention

G. W. Parshall, G. S. Pearson, T. D. Inch, and E. D. Becker

*Pure Appl. Chem.*, **74**(12), 2323-2352, (2002) Technical Report

Critical evaluation of the chemical properties of the transactinide elements

J. V. Kratz

*Pure Appl. Chem.*, **75**(1), 103-108, (2003) Technical Report

Critical evaluation of stability constants and thermodynamic functions of metal complexes of crown ethers

F. Arnaud-Neu, R. Delgado, and S. Chaves

*Pure Appl. Chem.*, **75**(1), 71-102, (2003) Technical Report

Endocrine disruptors in the environment

J. Lintelmann, A. Katayama, N. Kurihara, L. Shore, and A. Wenzel

*Pure Appl. Chem.*, **75**(5), 631-681, (2003) Technical Report

Atomic weights of the elements. Review 2000 (IUPAC Technical Report)

J. R. de Laeter, J. K. Böhlke, P. De Bièvre, H. Hidaka, H. S. Peiser, K. J. R. Rosman, and P. D. P. Taylor

*Pure Appl. Chem.*, **75**(6), 683-799, 2003 Technical Report

Critical review of analytical applications of Mössbauer spectroscopy illustrated by mineralogical and geological examples

E. Kuzmann, S. Nagy, and A. Vértes

*Pure Appl. Chem.*, **75**(6), 801-858, (2003) Technical Report

Significance of impurities in the safety evaluation of crop protection products

A. Ambrus, D. J. Hamilton, H. A. Kuiper, and K. D. Racke

*Pure Appl. Chem.*, **75**(7), 937-973, (2003) Technical Report

Critical assessment: Use of supersonic jet spectrometry for complex mixture analysis

T. Imasaka, D. S. Moore, and T. Vo-Dinh

*Pure Appl. Chem.*, **75**(7), 975-998, (2003) Technical Report