



International Union of Pure and Applied Chemistry
Analytical Chemistry Division

Executive Officers' Meeting

Chinese Academy of Sciences, Institute of High Energy Physics
22 and 23 November 2008, Beijing, China

Minutes

Present

Dr Aleš Fajgelj (Division President)
Professor Ryszard Lobinski (Division Past President)
Professor Walter Lund (Division Vice President)
Professor D Brynn Hibbert (Division Secretary)

1 Welcome

AF welcomed those present, and thanked our host, Professor Chai Zhi-Fang, Mr Yang Guo-Sheng, and other co-workers for their excellent hospitality.

2 Approval of Agenda

The provisional agenda was amended somewhat. [Appendix I](#).

3 Tribute to Prof. Dana Knox

The officers stood in silence to honour the life, and contributions to IUPAC, of Prof. Dana Knox, Chairman of the Subcommittee on Solubility and Equilibrium Data, who passed away on 24 September 2008.

4 Report from Bureau meeting

AF attended the Bureau meeting in Istanbul, 29th March 2008. See minutes at <http://www.iupac.org/objID/Note/nt39997388142844906091690>

4.1 IUPAC Congress 2009 Glasgow

Booklet has been published. Organisation is underway. Roger Smith is ACD representative to Congress. AF will prepare a Divisional Poster for the Scientific meeting.

4.2 Budget/funds.

The division will consider making a proposal to the Strategic Opportunities Fund. AF requested a review of funding among the divisions.

4.3 Manuscript Central

All publications are now available free of charge on the IUPAC web site, including Pure & Applied Chemistry. Manuscript Central appears to be functioning from the Division point of view.

4.4 Publicity of IUPAC and Divisions

Concerns were raised about the new IUPAC web site. It seems that Fabienne Meyers is now again our contact point.

4.5 *International Year of Chemistry 2011*

The Government of Ethiopia has proposed the year to the UN/UNESCO. All members are encouraged to support this, wherever possible.

5 President's information on recently approved projects and Division expenses

5.1 *Approved projects: for 2008/2009*

2008-031-1 Apak is under review; approved by Division. \$16250 committed to 6 projects so far in this biennium.

5.2 *Division expenses*

The Division is spending above the guideline for the biennium (40.5% against 30%), partly because of the change in international exchange rates, and also because of the excellent attendance of TMs in Rome. All TMs and AMs attended ACD meeting this time. However the Division has \$18645 remaining which can cover possibly 3 new projects (including Apak). This was considered good evidence of activity.

6 Review of Projects Progress Reports

6.1 *Review of project reports by W. Lund*

See updated list Appendix II

7 Orange Book

BH provided a report on the present status of the OB and following discussions in Rome reported on feedback from members of ACD and interested people ([Appendix III](#)).

7.1 *Future of the Orange Book*

The Officers confirmed the need to maintain the OB as a major ACD and IUPAC product.

It was agreed that

- the OB shall be updated,
- the ACD committee will take responsibility of revising the Orange Book,
- the revision of the OB will be proposed as a major ACD project to IUPAC,
- each TM shall be involved in the revision, and will be required to take responsibility for a sub-project,
- selection of candidates by the Nominating Committee should take into account their capacity for contributing to the revision of the OB.

7.2 *Discussion on the structure of the revised Orange Book*

- It was agreed that the OB is a compilation of the present IUPAC terminology. If it is found that sections need revision of terms, separate projects will be required to create IUPAC recommendations published in PAC.
- The Officers supported the 'glossary format' in which alphabetical arrangement of terms would include a definition (in appropriate ISO format), and appropriate brief notes and examples.
- The product will be published as a book, and as an electronic product. The material will be able to be extracted for the Gold Book.

- The electronic version will be in Gold Book xml format. The project will solicit the involvement of the IUPAC Chemistry Informatics Specialist.

7.3 Actions

- A proposal will be written for the umbrella project, “The revision of the Orange Book”: Task group will consist of present and future ACD officers: initially, chair BH, members AF, RL, WL, FC.
- Subject to the approval of the project, the first meeting will be a one day workshop during the Glasgow GA (Sunday August 2nd) to discuss:
 - structure of the book – chapters to be deleted or added
 - sequence of revision
 - harmonisation of format of chapters

8 Stability constants data base

The agreement reached with the Bureau is that data collection will terminate at the end of the current project (which will complete data compilation from the literature to the end of 2006) and that the database will be made available through IUPAC as a frozen compilation, until such time as interested parties within IUPAC identify a need to continue the work in what is then seen as a timely fashion and format for identified end-users (taken from project report 2005-014-1-500).

9 Division structure

9.1 Results of recent elections/ nominations of AM and NR

AF tabled the results of the elections of TMs for 2010 – 2011. He thanked RL and the committee for their work. The officers congratulated those who had been elected. ([Appendix IV](#))

9.2 Task groups

- Communication – An edition of Teamwork has been published to minor critical acclaim. It was noted that the frequency of publication is now once per year, but the length of the recent edition was much greater than earlier issues. It was recommended that WL prepare shorter and more frequent issues.
Web page – the web page will fall under the Communication task group, the membership of which will be augmented by the President and other Officers.
- Critical evaluation of data – Discuss when new Chair of SSED is appointed.
- Electronic resources for IUPAC terminology work – Members have discussed approaches around wiki technology. This is on-going.
- Emerging issues – Work continues. Karst has not been active and will be dropped from the committee.
- Metrology – Group met in July 2008. Report has been submitted ([Appendix V](#))
- The analytical potential of nuclear techniques – Meeting planned for February 2009 to discuss future role of IUPAC in relation to nuclear methods.

9.3 Revision of the members' responsibilities (job descriptions)

A TM will be required to be involved in the revision of the Orange Book, and take responsibility for an OB sub-project

9.4 *SSED & WPHQA*

AF will ask the SSED and WPHQA to review their terms of reference, and future plans, and report to the Glasgow meeting of the Division.

10 Public relations and communication

10.1 *Articles in CI and other journals*

The TRAC article written in 2006 was useful, but has had no citations. It is unlikely that journals would publish articles with this prospect. It was decided that a PowerPoint presentation on IUPAC and the ACD will be prepared by AF for use by ACD members when giving seminars and other presentations.

10.2 *IUPAC Forums*

Members are encouraged to make use of the ACD Forum for exchange of information and communication <http://iupac-services.fiz-chemie.de/iupacforum/> .

10.3 *Revision of the Division V web page*

- Secretary to take responsibility for web page
- Revise Terms of Reference as detailed in Appendix ...
- Rearrange front page to have a ribbon menu with links to all following sections:
 - Welcome from the President (photo)
 - Division structure (short explanation + sub committees & interest groups)
 - News and Announcements (news, Teamwork, new projects)
 - Electronic resources
 - Presidents' reports to the Bureau and Council
 - Minutes of meetings
 - Publications and presentations (PowerPoint + CI articles)
 - Aims
 - Terms of Reference

11 Conferences and Symposia

Two conferences have been supported so far for 2008-2009 biennium, namely IUPAC International Congress on Analytical Sciences, Kyoto, Japan, 22-26 May 2011 and 32nd International Conference on Vacuum Microbalance and Thermoanalytical Techniques, Lublin, Poland, 22-24 June 2009.

12 Preparations for the General Assembly in Glasgow

ACD will present a poster on its activities.

13 Meetings of the ACD at the GA in Glasgow

- The next Officers meeting will be held in the morning of Friday 31st July.
- The ACD will meet in the afternoon of Friday 31st July and on Saturday 1st August, 2009.

Note the Orange Book workshop will be held on Sunday 2nd August, 2009. (See 7.3)

14 Any other business

No other business

15 Closure of the meeting

The Chair thanked the members for their attendance and closed the meeting at 15:30

Appendix I

Officers' Meeting

**Chinese Academy of Sciences, Institute of High Energy Physics
22 and 23 November 2008, Beijing, China**

Officers: Dr. A. Fajgelj, President; Prof. W. Lund, Vice President; Prof. R. Lobinski, Past President; Prof. B. D. Hibbert, Secretary

Provisional Agenda

1. Welcome
2. Approval of Agenda
3. Tribute to Prof. Dana Knox
4. Report from Bureau meeting
 - IUPAC Congress 2009 Glasgow
 - Elections: transparency, representation...
 - Budget/funds:
 - Manuscript Central:
 - Publicity of IUPAC and Divisions
 - International Year of Chemistry 2011
5. President's information on recently approved projects and Division expenses
 - Approved projects: for 2008/2009
 - Current projects
6. Review of Projects Progress Reports
 - Review of project reports by W. Lund
 - Actions about projects with difficulties
7. Status of Review of the Completed Projects
8. Orange Book
9. Division structure
 - a) Results of recent elections
 - b) Task groups
 - c) Revision of the members' responsibilities (job descriptions)
10. Visibility and image of the Division: public relations
 - a) Review of current status
 - b) Articles in CI and other journals

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c) Revision of the Division V web page (note that this will be active topic, to which I would like to dedicate the most time of the group)

11. Preparations for the General Assembly in Glasgow

12. Next Officers meeting

IUPAC GA Glasgow, exact day and time to be announced.

13. Any other business

14. Closure of the meeting

Appendix II

List of Projects Co-ordinated by ACD, WPHQA, SSED or with their participation:
Status November 2008

Project number	Project Title	Task Group Chairpersons	Initial Funds USD	Progress report	Remarks
ANALYTICAL CHEMISTRY DIVISION					
1999-050-1-500	Chemical speciation of environmentally significant heavy metals and inorganic ligands	Staffan Sjoberg	9000 (2600 remain)	YES	Prolongation after 2009 will need approval of secretariat. No action needed.
2001-041-2-500	Recommendation on the use of countercurrent chromatography in analytical chemistry	Boris Ya. Spivakov	3200 (budget consumed)	NO	Manuscript submitted to PAC and is in final stages of acceptance. Minor corrections requested.
2001-063-1-500	Revision of terminology of separation science	Roger M. Smith	5000 (360 consumed)	YES	Little progress. Extension to GA in Glasgow requested. Possible termination. Noted
2001-072-1-500	Low activation materials for fusion technology: State and prospects	V. Kolotov	0	NO	No communication forthcoming. Terminate. AF to write to secretariat
2002-002-2-500	Recent advances in electroanalytical techniques: characterization, classification and terminology	Wlodzimerz Kutner	5000	NO	RL writes to task group chair after Rome meeting. 3 month to report. No response received. Final letter to be written by AF, else project will be terminated 2008/12/31
2003-015-2-500	Terminology, quantities and units concerning production and applications of radionuclides in radiopharmaceutical and radioanalytical chemistry	Mauro L. Bonardi	21000	YES	Extension required to 2009 for meetings and presentation of results. Many papers have already been published and lectures given. Link between publications between publications and project should be clearly acknowledged. AF to follow up.
2004-005-2-500 Interdivisional project	Comparable pH measurements by metrological traceability	Maria F. Camoes	8300	YES	Considerable activity. New completion data; late 2009. AF to request prolongation.
2005-014-1-500	IUPAC stability constants database - completion of data	Kip J. Powell	14800 (9000 availabl	YES	New completion data; November 2009. Data after 2006 will not be

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Project number	Project Title	Task Group Chairperson	Initial Funds USD	Progress report	Remarks
	collection up to 2006		e)		collected, when this project ends AF to request prolongation.
2005-035-2-500	Trace elements analysis: role of grain size distribution in solid reference materials	Maria Belli	6000	YES	Technical report – table of contents is defined. Completion December 2009. AF to request prolongation.
2005-041-2-500	Determination of selenomethionine in selenized yeast supplements	Zoltan Mester	5200	NO	Completion end 2009. Results have been obtained. AF to request prolongation. AF to write to ZM requesting report.
2006-010-1-500	Adjustment, estimation and uses of equilibrium reaction constants in aqueous solution	Igor V. Sukhno	2500	YES	Work completed July 2008. Paper in preparation for PAC.
2006-022-1-500	Spectrochemical Analysis - Conversion of Orange Book Chapter 10 to Glossary Format	David S. Moore	4000 (4000 remaining)	YES	Behind schedule, but progress made. New completion date October 2009 AF to request prolongation.
2006-026-1-500	Electrochemical DNA-based biosensors: terms and methodology	Jan Labuda	4200	YES	Completion date June 2009. All funds spent
2006-037-1-500	Metal-focussed -omics: guidelines for terminology and critical evaluation of analytical approaches	Ryszard Lobinski	4500	YES	Completion date end 2009 AF to request prolongation.
2007-010-2-500	International harmonization protocol for standard preparation, irradiation and measurement for assuring metrologically traceable results in neutron activation analysis	Peter Bode	4500 / 6500	NO	Completion date December 2009? AF to write to PB requesting report.
2007-013-1-500	The adjustment, estimation and uses of equilibrium reaction constants in aqueous solution – supplement 2006-010-1-500	Igor V. Sukhno	1000	YES	See 2006-010-1-500
2007-041-1-500	Mechanistic aspects of chemical vapour generation of volatile	Alessandro D'Ulivo	700/5000 (5000)	YES	Good progress. Completion date October 2009

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Project number	Project Title	Task Group Chairperson	Initial Funds USD	Progress report	Remarks
	hydrides for trace element determination		remaining)		
2008-002-1-500	A glossary of concepts and terms in chemometrics	Brynn Hibbert	5000	YES	Good progress. Completion date July 2010
2008-008-1-500	An introduction to the IUPAC-NIST solubility data series; preparation and use of compilations and evaluations	David Shaw	3250	YES	Good progress. Completion date July 2009. All funds spent
INTERDIVISIONAL WORKING PARTY ON HARMONIZATION OF QUALITY ASSURANCE					
2001-010-3-500	Metrological traceability of measurement results in chemistry	Paul De Bièvre	15000	YES	New completion date December 2008, all funds spent; see extension 2007-060-1-500. PAC submission expected by July 2009. AF to request prolongation.
2005-019-2-500	Selection and use of proficiency testing schemes for limited number of participants	Ales Fajgelj	4000	YES	Completion date August 2008, technical report sent to reviewers, all funds spent
2005-024-2-600 Interdivisional project Cooperation with European project MoniQA	Establishment of guidelines for the validation of qualitative and semi-quantitative (screening) methods by collaborative trial: a harmonized protocol	Christoph von Holst	4000	YES	Delayed, but progress is made. Request for one year prolongation, which does not require additional funds
2007-060-1-500	Metrological traceability of measurement results in chemistry: concepts and implementation. Supplement to 2001-010-3-500	Paul De Bievre	3800	YES	See 2001-010-3-500
SUBCOMMITTEE ON SOLUBILITY AND EQUILIBRIUM DATA					
2002-031-1-500	Solubility data of compounds relevant to mobility of metals in the environment. Alkaline earth metal carbonates	Alex De Visscher	1500	YES	Completion date December 2008 (part 1), early 2009 (part 2 and 3).
2002-032-1-500	Solubility data of compounds relevant to mobility of metals in the environment. Metal carbonates	Heinz Gamsjäger	1750	YES	Some delay; new completion date December 2009 AF to request prolongation.
2002-035-1-500	Solubility data of compounds relevant to	E. Königsber	0	NO	AF to contact new chairman of SSED

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Project number	Project Title	Task Group Chairpersons	Initial Funds USD	Progress report	Remarks
	human health. Solubility of substances related to urolithiasis	ger and L.-C. Königsberger			
2002-036-1-500	Solubility data of compounds relevant to human health. Solubility of hydroxybenzoic acids and hydroxybenzoates	A. Goto and H. Miyamoto	0	NO	AF to contact new chairman of SSED
2002-037-1-500	Solubility data of compounds relevant to human health. Solubility of halogenated aromatic hydrocarbons	A. Goto	0	NO	AF to contact new chairman of SSED
2002-044-1-500	Solubility data related to industrial processes. Carbon dioxide in aqueous non-electrolyte solutions	Pirketta Scharlin	1500	YES	Some progress, but project delayed. New completion date December 2009, but uncertain AF to request prolongation.
2002-045-1-500	Solubility data related to industrial processes. Solids and liquids in supercritical carbon dioxide	D.E. Knox	0	NO	Terminate AF to contact new chairman of SSED
2006-033-1-500	Solubility data related to industrial processes. Rare earth metal chlorides (Sc, Y, lanthanoids) in water and aqueous systems	Cezary Guminski	0	YES	Near completion. Completion date December 2008
2006-034-1-500	Solubility data related to industrial processes. Oxygen and ozone: Solubility in water, aqueous solutions and organic liquids	H. Lawrence Clever	0	YES	Good progress, but one year behind schedule. New completion date July 2009 AF to request prolongation
2007-042-1-500	Solubility data of compounds relevant to human health. Solubility of hydroxybenzoic acids and hydroxybenzoates – extension 2002-036-1-500	Ayako Goto and Hiroshi Miyamoto	1000	NO	AF to contact new chairman of SSED
2007-043-1-500	Solubility data of compounds relevant to	Masakazu Makino	600	NO	AF to contact new chairman of SSED

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Project number	Project Title	Task Group Chairpersons	Initial Funds USD	Progress report	Remarks
	human health. Solubility of halogenated aromatic hydrocarbons – extension 2002-037-1-500	and Ayako Goto			
2007-044-1-500	Solubility data related to industrial processes. Solubility in systems with lithium and/or sodium nitrates	Jitka Eysseltova	1000	YES	Satisfactory progress. Completion date December 2009
2007-045-1-500	Solubility data related to industrial processes. Solubility of higher alkynes in liquids	Peter G.T.Fogg	0	YES	Completion date early 2009
2007-047-1-500	Solubility data related to industrial processes. Nitriles C+3: binary and multicomponent systems	Valerii Sazonov	0	YES	Good progress. Completion date December 2008

OTHER INTERDIVISIONAL PROJECTS					
2003-011-3-600	A critical compendium of pesticide physical chemistry data	R. Don Wauchope and David G. Shaw	15000	NO	With Division VI Note Division V terminated its involvement December 2006
2003-060-2-400	Terminology on separation of macromolecules	Taihyun Chang	6000	NO	With Division IV
2004-021-1-300	Reference methods, standards and applications of photoluminescence	Enrique San Roman and Fred Brouwer	14000	NO	With Divisions I and III. Completion date September 2008?
2004-023-1-700	Internationally agreed terminology for examinations in scientific communication	Françoise Pontet	5000	YES	With Division VII. Extended as 2008-019-1-700. Completion date December 2009
2005-042-1-300	Chemistry for Biology - an inventory for interdivisional and interdisciplinary activities within IUPAC in the field of	Torbjörn Norin	3000	YES	Coordinated by Divisions III and 1, involving all Divisions and COCI. Project completed

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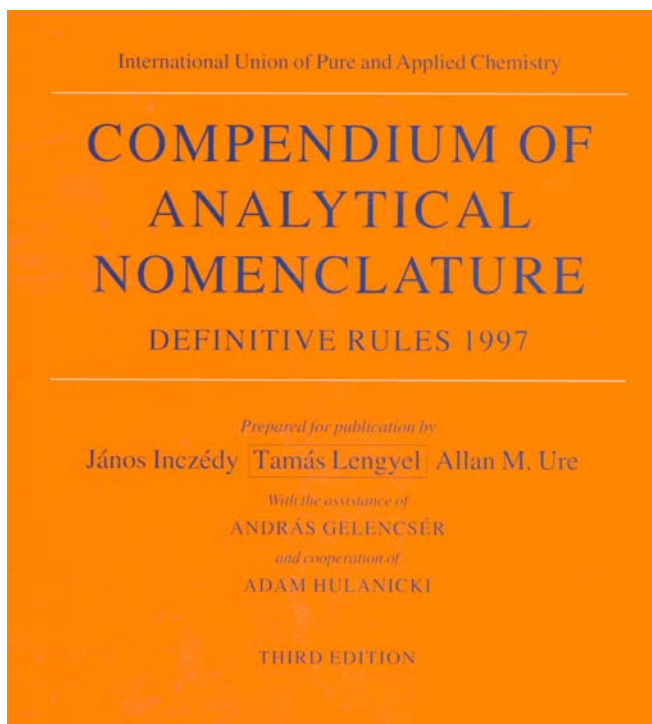
	biological chemistry				in May 2008; final report available
2006-016-1-200	Recommendations for isotope data in geosciences	Paul Renne	4900	NO	With Division II
2006-039-2-600	Extraction and fractionation methods for exposure assessment related to trace metals, metalloids and hazardous organic compounds in terrestrial environments	Petr S. Fedotov	6000	NO	With Division VI

Appendix III

Summary on the revision of Orange Book by Prof. B. Hibbert:

The Orange Book

[Preamble, Web](#)
[Preamble, printed](#)
[Index](#)
[Ch 1: Fund'l Terms](#)
[Ch 2: Result Present'n](#)
[Ch 3: Solution Thermo](#)
[Ch 4: Balances](#)
[Ch 5: Themo Methods](#)
[Ch 6: Titrimetry](#)
[Ch 7: Auto Analysis](#)
[Ch 8: Electrochemical](#)
[Ch 9: Separations](#)
[Ch 10: Spectrochemical](#)
[Ch 11: Other Optical](#)
[Ch 12: Mass Spec](#)
[Ch 13: Diffraction](#)
[Ch 14: Magnetic Meth.](#)
[Ch 15: Kinetic Meth.](#)
[Ch 16: Radioanalytical](#)
[Ch 17: Surface Anal.](#)
[Ch 18: QA Processes](#)
[Ch 19: Applications](#)



Introduction

The *Compendium of Analytical Nomenclature: Definitive Rules* or *Orange Book* was last updated as the third edition in 1997. A web version was created in 2002. The home page for the Web edition is in frames, with the left hand frame serving as a shorthand table of contents. Clicking on a chapter loads its table of contents into the main frame. The sections of each chapter are linked to Adobe pdf versions of that particular section.

The decision was made to revise the second edition in 1992, with the addition of three chapters: 1. Selected physico-chemical terms and quantities used in analytical chemistry; 18. Quality assurance in analytical chemistry and 19. Applications. The first chapter (1) relied on the Green Book for terms.

Commencing in 2007, an on-going project, 2006-022-1-500 (David Moore) is to convert chapters 10 and 11 of the Orange Book from narrative into glossary format.

Issues which need the attention of the division are:

1. Should the Orange Book be updated to a fourth edition?
2. If so, will this result in a print version, and/or an online version?
3. If only glossary format is intended, will there be a need for a stand alone Orange Book? (Assuming the glossary entries will go into the Gold Book)

Actions from Rome

At the ACD meeting in Rome in 2007, it was decided to investigate a new revision. Each chapter was allocated to a member of the committee for comment. Results of this process are given in the Table below.

ACD member	Chapter	Topic	Feedback
ZM (voluntary observations)	1	Fundamental terms	1.7 and 1.8 need revising
PDB	1,2,18	All terms related to metrology	None
HG/DK	3	Solution Thermodynamics	None
SM	7	Automatic Analysis	None
JP/JL	8	Electrochemical Analysis	None
AF	9	Analytical Separation Methods	None
WL	10/11	Spectrochemical Analysis, Other Optical Methods	Probably do not attempt revision. Continue Gold Book glossary
ZM	12	Mass Spectroscopy	Out of date. Kermit Murray's project on terms in MS should help this.
ZC	16	Radioanalytical Methods	New terms suggested
ZM (voluntary observations)	17	Surface analysis	Relatively good shape. Some updating needed.
PdZ	18	Quality Assurance of Analytical Processes	Present version out of date and not useful. Possible updates suggested

In addition Ryszard has supported Walter's suggestion that the effort should be confined to new glossary entries for the Gold Book, and this has been supported by David Moore. Zoltan made general comments on the on-line Orange Book, suggesting the format of the chapter headings be improved.

Correspondence suggested David Moore attend Beijing to discuss options. David has also asked about the wiki approach adopted by Kermit Murray and Brynn (chemometrics project), and has had correspondence with Barry Wise.

A thread on the Orange Book has been started on the ACD forum <http://iupac-services.fiz-chemie.de/iupacforum/showthread.php?t=45>
As yet no posts have been made to it.

The future

To sum up arguments for and against different kinds of revision:

For

- 10 years since last revision – badly needs updating.
- Book format not yet passé

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- Anecdotal evidence that the Orange Book is still used for structured advice (not just definitions).
- The Orange Book is the flagship publication of the ACD.
- We could tackle the revision in small projects, chapter by chapter.

Against

- Another analytical (instrumental) textbook is not needed.
- The scale of revisions needed are too great for the present group.
- The Gold Book project is gradually incorporating terms – perhaps we should direct our efforts to provide new terms for it.

Recommendation

It would be very nice if we could prepare a thorough revision of the paper version, and provide a useful on-line edition for reference. Definitive works of reference like the Orange Book should come from IUPAC. However, it would be a major task, and could only be contemplated if we could find an editor who had sufficient time to devote him or herself to it. This would possibly be a retired or semi-retired member.

Appendix IV

Officers and Titular Members 2010-2011

Name	Proposed Status	Proposed Term	NAO
Dr. Ales Fajgelj	TM - President	2010-2011	Slovenia
Prof. Maria F. Camões	TM - Vice President	2010-2011	Portugal
Prof. D. Brynn Hibbert	TM - Secretary	2008-2011	Australia
Prof. David M. Bunk	TM	2010-2011	United States
Prof. Zhifang Chai	TM	2010-2011	China/Beijing
Dr. Tatyana Maryutina	TM	2010-2011	Russia
Dr. Zoltán Mester	TM	2010-2011	Canada
Prof. Shoji Motomizu	TM	2010-2011	Japan
Prof. José M. Pingarrón	TM	2010-2011	Spain
Prof. Heli M. M. Sirén	TM	2010-2011	Finland

Appendix V

FOCUS “Metrology in Chemistry” (MiC)

1st Meeting 2008-07-18

Present: R Dybkaer, B Hibbert, P De Bièvre

Excused: A Fajgelj

The following is discussed:

1. Introduction to Metrological Traceability in Measurement Results in Chemistry “Primer”):
 - 1.1 A draft “Application for budget” for the Primer is approved (see attachment)
 - 1.2 Is the Primer a condensed version of the full “Recommendations? Would it have the same structure (chapters and sections)? Similar if reduced Table of Contents?
NO
it should be built around the educational purpose.
 - 1.3 Should the same and many more examples be included, but with their MTrChains limited to the box “end-user’s measurement”, but retaining the box “definition of unit”?
YES
 - 1.4 Should the VIM definitions be quoted in full again? Or just reference made to the full document if not the VIM itself?
NO, except for a few definitions,
 - 1.5 Should it take the form of another “IUPAC Recommendation” with the ensuing consequences of formatting, review procedures?
YES, taking advantage of the “public scrutiny” and internal review procedure,
NO, noting all the ensuing problems.
A sounding reveals: in favour: none; against: PDB, RDy, BHi.
2. Possible activities, either to be carried out or to be stimulated:
 - 2.1 Examine existing IUPAC Protocols in the light of the revised VIM:
 - 2.1.1 on calibration?
 - 2.1.2 on recovery?
 - 2.1.3 on ILCs?
 - 2.1.4 ...
 - 2.2 The SPRINGER request to write a “Handbook”
 - 2.3 Identification of remedying missing concepts in VIM3 or in MTrMRC :
 - 2.3.1 measurement capability
 - 2.3.2 difference between “top-down” and “bottom-up”
top-down is “pure” Type A, all the rest is bottom-up?
Are there other approaches? Monte Carlo?

Paul De Bièvre