

INTERNATIONAL UNION OF PURE AND APPLIED CHEMISTRY
Analytical Chemistry Division
SUBCOMMITTEE ON SOLUBILITY AND EQUILIBRIUM DATA

Draft Minutes

35th Annual Meeting (8th of SSED)

held in conjunction
with the 31th ICSC,
Innsbruck, Austria
26th August 2009

The "List of Attendees" with complete addresses, telephone and fax numbers together with e-mail addresses is attached to these minutes (Appendix 1)

Wednesday, August 26, 2009

Morning Session, (9:00 - 13:00)

Clara Magalhães, Chair of the SSED welcomed the participants and asked for a change in the agenda. To move the point 9 of the agenda for the end of the meeting, once only the subcommittee of solid solubilities had to have a meeting. This proposal was approved and the subcommittee report had to be sent to Earle Waghorne, the Secretary of the SSED.

1. Introduction of participants C. Magalhães
All of the participants were requested to introduce themselves together with their affiliation
- 1a In memoriam Dana Knox C. Magalhães
Heinz Gamsjaeger presented a tribute to the late Dana Knox, formerly chairman of the SSED who passed away on September 24, 2008. The Subcommittee observed a minute silence in remembrance of Dana Knox. H. Gamsjaeger
2. Approval of Minutes of the 34rd Annual Meeting (7th of SSED) in conjunction with the 13th ISSP, Trinity College Dublin,
The minutes had been circulated electronically and were projected at the meeting. The minutes were accepted without change.
3. Other Items for Agenda
The committee moved a vote of thanks to Heinz Gamsjaeger for organizing the 14th ISSP in Leoben and to Clara Magalhães for accepting the chair of the SSED following the death of Dana Knox.

The possibility of changing the name from subcommittee to committee was discussed since in the present IUPAC structure the Subcommittee is responding

directly to the Division V. Clara Magalhães will contact Ales Fajgelj, the President of Division V (Analytical Chemistry), about this subject.

Clara Magalhães introduced several additional items, some arising from the ACD meeting in Glasgow.

3.1 - The IYC2011

Clara Magalhães explained that the International Year of Chemistry (2011) had become a primary focus for IUPAC activities and outlined some initiatives and asked members to provide any suggestions to IUPAC (Nicole Moreau nj.moreau@free.fr) or to her.

3.2- - The internet forum page

Clara Magalhães explained that IUPAC was rolling out facility for on-line internet platform with forums for IUPAC bodies and suggested that the SSED should avail of this.

Contact IUPAC CM/EW

Following a discussion of how the forum would be managed, it was agreed to initiate an on-line forum for SSED and for each task group.

It was agreed that a committee of Clara Magalhães, Marcelle Gaune-Escard and Earle Waghorne would oversee the SSED forum page.

Marcelle Gaune-Escard made a presentation (Appendix 1) on the use of Skype, with shared computer screen, as a useful tool, in particular for editing.

(note not presented in the meeting:

There is a IUPAC wiki, which is open to all, at <http://iupac.org/wiki>.

As an example can be consulted the wiki site for the chemometrics project. See http://www.iupacTerms.eigenvector.com/index.php?title=Main_Page)

3.3 - The Orange Book

Clara Magalhães outlined the ACD discussions about the Orange Book. The SSED had been asked to explore the selection of Green Book entries that should be included.

Letter to ACD, CM/EW

The Subcommittee asked that an analytical chemist should be included in the necessary task group. It was also suggested that a member of the Physical Chemistry Division be included.

3.4 - Electronic database

Glenn Hefter agreed to explore the current situation with regard to the current state of the Stability Constant database.

GH to report.

The Subcommittee also analysed the possibility of asking IUPAC about the longterm maintenance of this and other electronic databases. Marcelle Gaune-Escard suggested to make an agreement with CODATA
Clara Magalhães will analyse these points with the President of Division V.

3.5 - Mechanism of succession

Clara Magalhães asked the Subcommittee members to think about a model of structure that assures the Subcommittee continuation, in the case that the Subcommittee Chair is suddenly unable to continue their role.

Discussion was deferred until the next meeting of the SSED.

3.6 - Division Financial matters

Clara Magalhães reported that unspent funding from projects that were overdue would be taken back by IUPAC. Where projects were not going to be completed by the end of 2009, it is possible to reformulate the project to extend the time for the project. Four SSED projects need to be considered.

From the ACD minutes:

“Note that remaining funds of terminated projects are lost. Therefore re-structuring projects is preferred.”

Heinz Gamsjaeger presented a brief report.

4. SSED members

Clara Magalhães had circulated a list of members, based on members of active task-groups. At the ACD, the issue of membership had been raised and it had been agreed that the SSED could have whatever membership was appropriate.

In discussion it was noted that the reliance on task groups would eliminate certain members if projects were terminated.

It was decided to retain Clara Magalhães list for the following year and to review the question of criteria for membership of the SSED at the next meeting.

It was also decided that the committee could invite young observers to SSED meetings in line with current IUPAC practice.

5. Chairman's Report for 2007 - 2008

Clara Magalhães presented the Chair's report, which was also presented to the ACD in Glasgow. The presentation is (Appendix 2).

6. Franzosini Award

Heinz Gamsjaeger explained that no award has been made since 2006. He proposed that the award be made biennially at the ISSP symposia. This was agreed.

It was agreed that two awards would be made at each ISSP.

Nominations will be sought for the 2010 award by March 1, 2010.

The certificate presented at the Friberg meeting was accepted as a template for future certificates.

It was also considered that the Franzosini Prize could be attributed to the poster winner of the ISSP meeting. The winner will receive it at the next year SSED meeting.

Circulate SSED for nomination

CM/EW

Afternoon Session 14:00 - 17:00

7. Editor-in-Chief's Report for 2007 - 2008

Mark Salomon had circulated his report electronically before the meeting and Clara Magalhães presented the report on his behalf. A copy of the report is (Appendix 3).

Heinz Gamsjaeger presented the revised introduction to the SDS.

M. Salomon

Requires a letter to President
ACD, CM & EW

It was decided that the authors should consult Chemical Abstracts for the correct transliterations of names such as Setchenov.

Clara Magalhães raised the issue of the SSED editorial practise. At the Glasgow meeting it had been raised that these might not conform to IUPAC norms.

It was agreed that the committee propose to the President of the ACD that each manuscript be forwarded to him at the same time as going to the Editor in Chief and to the Chair of the respective Subsubcommittee .

It was agreed that all reports and project submissions relating to solubility or equilibrium data be referred, to ACD, with a copy to the Chair of the SSED.

8. Project on octanol/water partition coefficients

J. Sangster

James Sangster outlined the current status of the database. The difficulty of maintaining an ongoing project under the IUPAC model of time limited projects had been raised at the ACD meeting in Glasgow.

James Sangster explained that maintaining the database required approximately two days per month.

It was proposed that an initial project be submitted to IUPAC under a task group headed by James Sangster.

The web-site for access to the database is: <http://logkow.cisti.nrc.ca/logkow/>.

JS to redraft proposal for submission. CM

11. Volumes for next year's SDS proposals

M. Salomon

The current state of volumes, including those for publication in 2009 - 10 is included in the reports of the subcommittee chairs.

Besides the ongoing projects described in the task groups, Marian Goral suggested a volume on the mutual solubility of non-aromatic halocarbons with water; more volumes will be presented in the subsubcommittees chairs reports.

A new task group will be presented related with the compilation of the green book quantities to be inserted in the Orange book..

Clara Magalhães asked a member of the Division for help of the SSED in the compilation and critical evaluation of vanadium compounds (not specified). It was decided to ask Mark Salomon to contact this group in order to establish new connections with industry.

12. Report on the 14th ISSP - Leoben, Austria, 2010

H. Gamsjaeger

Heinz Gamsjaeger presented a progress report on the upcoming ISSP in Leoben. A copy of the report is attached. The meeting will be held from July 25 - 30. The SSED meeting will be held the previous Saturday and Sunday (24th & 25th July). The web address of the prototype site is:

[HTTP://www.wolfgang-kirschbaumer.net/issp](http://www.wolfgang-kirschbaumer.net/issp)

13. Future International Symposia on Solubility Phenomena

Prof. Ma from Qinghai Institute of Salt Lakes in the west of the P.R. China proposed that the 15th ISSP should be hosted by the Institute in 2012.

Dewen Zeng made a presentation about the proposed venue and organization.

This proposal was accepted unanimously.

Marcelle Gaune-Escard proposed that the 16th ISSP should be held in France.

It was agreed that the decision for the location of the 16th ISSP will be taken at the SSED meeting in Leoben.

17. Adjournment

Afternoon Session 17:00 - 18:00

9. Deliberations of Subcommittees and Discussions

Subcommittee: Gas Solubilities - Justin Salminen was not present in the meeting but sent the report to Clara Magalhães after the meeting. J. Salminen (Chair)

Subcommittee: Liquid Solubilities - David Shaw was not present in the meeting but sent the report to Clara Magalhães prior to the meeting D. Shaw (Chair)

Subcommittee: Solid Solubilities - Wolfgang Voigt had a meeting with Jitka Eyseltová, Cesary Guminski and Dewen Zeng. He presented the report after the meeting W. Voigt (Chair)

Subcommittee: Stability Constants - Glenn Hefter presented the report after the meeting. G. Hefter (Chair)

10. Reports of Subcommittees and Discussions

Subcommittee: Gas Solubilities - see appendix 4 J. Salminen (Chair)

Subcommittee: Liquid Solubilities - see appendix 5 D. Shaw (Chair)

Subcommittee: Solid Solubilities W. Voigt (Chair)

Subcommittee: Stability Constants G. Hefter (Chair)

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Appendices are distributed electronically together with the minutes.

Appendix 1

Powerpoint Presentation on the use of Skype by Marcelle Gaune Escard

Appendix 2

Chairman's report to ACD

Appendix 3

Editor in Chief's report

Appendix 4

Report of the Chairman of the Gas Solubility subcommittee

Appendix 5

Reprot of the Chairman of the Liquid Solubility subcommittee