

Teamwork - Issue No. 2 -

[< Issue No.1](#)

[> Issue No.3](#)

Welcome to Task Group chairs!

With this second issue of '**Teamwork**' we welcome our Task Group chairs whom we have included on the circulation list. We would also like to add the names of Task Group members to the circulation list. Please could Task Group chairs forward this copy of '**Teamwork**' to their Task Group members and also send me their names and e-mail addresses so that they will automatically receive the next edition of '**Teamwork**'.

Advisers

Each TM is currently setting up a group of Advisers. It is hoped that these groups will be finalised within the next few weeks and that they can be introduced to Division members in the next edition of '**Teamwork**'. Their names will also be added to the circulation list.

The task of an Adviser is to assist the TM in monitoring the needs of their field, in formulating and soliciting possible new projects, and recommending Task Group members. Or, put another way, the task of TMs is to ensure that they solicit comments from a wider group of experts in their field (their Advisers) by maintaining an active working relationship through regular communication. In this way it is hoped to enlarge the number of countries that have links to the work of the Division.

Six-monthly project reports

To facilitate the regular monitoring of all projects the Division has adopted a policy of requesting a 6-monthly progress report from each Task Group chair. In the past we relied on each Task Group to send a report as each project milestone, or milestone date, was reached. This method was not reliable. Now we will be able to review all projects on a regular and coordinated basis and have better oversight of our project portfolio.

The project report is brief and covers items such as:

- Current status of project.
- Progress relative to 'milestones'.
- Difficulties encountered (or concerns).
- Any projected changes in 'outputs': (e.g. additional articles, alternative format or medium; etc.)
- Any revision of the completion date.
- Any changes to the dissemination plan.

Mid-year reports were due on June 30. Some are still outstanding (if that is yours, then this is a reminder!!). When they are all in they will be collated and sent to all TM, AM and NR for information and comment.

Directory of Expertise

The Division often needs to identify a person with expertise in a particular area. This may be to act as an external referee on a project proposal, or to referee a completed project. Alternatively it may be to invite participation in a Task Group that needs a better scientific balance or geographic representation.

To expedite 'finding the right expert' the Division is developing a **Directory of Expertise**. This process was started by inviting the retiring Commissions to prepare lists of experts in their subject areas. Currently the Division TMs are assisting in the compilation of these lists into a standard format on an Excel spreadsheet. Each entry will include full name, address, Fax, e-mail, and a string of key words that describe the expertise. This will allow search by key words, name, country etc. The lists will cover the seven designated areas of responsibility of the Analytical Chemistry Division:

- General aspects of analytical chemistry (including solubility and equilibria)
- Separation methods
- Spectrochemical methods
- Electrochemical methods
- Nuclear chemistry methods
- Environmental analytical chemistry
- Human health analytical chemistry

When compilation of the database is complete all members of the Division will have access to it.

Recently funded projects

The Division has adopted a policy of contestable funding for projects. Each year the project proposals received will be evaluated in May and November. All TM, AM and NR will contribute to this process, reviewing both the proposals and the comments from external referees. After consideration of the eligible Project proposals in the May pool, the following projects have been funded:

Revision of terminology for separation science: \$5000

Task Group chair: Roger Smith. Task Group members: P. Jandera, Jan-Åke Jonsson, V Davankov.

Objective:

To revise, up-date and systematise the terminology of separation science as a unified computer readable compilation and to facilitate the future updating of the Orange book and relevant terms in the Gold Book.

Performance evaluation criteria for preparation and measurement of macro and microfabricated ion-selective electrodes: \$3000

Task Group chair: Yoshio Umezawa. Task Group member: Ernö Lindner

Description:

During the past several years, the application of microfabrication technologies of practical microsensor devices has entered the field of biology and medicine and is beginning to serve as the driving force for discoveries in cell biology, neurobiology, pharmacology, and tissue engineering. In parallel, the methodology of ionophore based liquid membrane ISEs has now entered the arena of trace analysis and precision science due to the latest updated and upgraded R/D of this method. This circumstance has made it necessary to also upgrade and update the evaluation criteria for the preparation and measurements of ISEs, primarily microfabricated ISEs and potentiometric cells.

Recent advances in electroanalytical techniques: characterisation, classification and terminology. \$5000

Task Group Chair: Włodzimierz Kutner. Task Group members: Zbigniew Galus, György Farsang, Christopher Brett, Krzysztof Winkler

Objective:

Revision and updating of an old IUPAC document (*Pure Appl. Chem.*, 45 (2-C) 83, 1976) on

classification, characterisation and nomenclature of electroanalytical techniques. The product will be a unified computer readable compilation to facilitate the future updating of the Orange Book and relevant terms in the Gold Book.

We also approved an 'Umbrella' or 'Phantom' proposal covering the next volumes of the Solubility Data series. The 'umbrella' proposal is an expedient method to allow planning and work on several volumes in the Solubility Data Series at one time:

Solubility Data Series \$0

Task Group chair: Heinz Gamsjaeger. Task Group members: Mark Salomon, Pirketta Scharlin, David Shaw, Adam Skrzecz, Wolfgang Voigt.

Objective:

The proposed future suite of projects (volumes) includes: Solubility data of compounds relevant to mobility of metals in the environment; Solubility data related to oceanic salt systems; Solubility data of compounds relevant to human health; Solubility data related to industrial processes; Solubility data related to global climate change.

Finally we approved:

Development of international categorisation of Certified Reference materials and harmonisation of nomenclature related to CRMs. (\$4000)

Task Group chair: Harry Klich. Task Group members: Jean Pauwels, David Holcombe, Stan Rasberry, Ron Walker, Alan Squirrel, Ales Fajgelj

Objective:

To develop a structure and keyword listing for Certified Reference Materials, which allows easy identification of CRM's. To harmonise the nomenclature for Reference materials for use in standards, publications, databases and catalogues, and to offer them free via www.

[This approval is provisional only, awaiting a decision re additional funding from the Project Committee. There is no actual disbursement of Division V funds at this time.]

The next funding round

The next funding round will be based on complete Project proposals received and reviewed up to October 31, 2002. Please inform your advisory groups and potential task groups about this deadline, and get your proposals in!

The Project submission form, guidelines for its completion and an example of a completed submission form are available at:

www.iupac.org/divisions/V/projects/index.html

Selling our products - or - 'Advertising pays'!

Effective dissemination of project outputs (databases, critical reviews, documents on terminology, etc) is one of the most important aspects of any project. One way of achieving this is to present a poster or paper at a conference. This could present the ultimate findings of the project, but it might also be very informative to discuss the project while it is still in progress. This way you will be more receptive to new insights or perceptive comments. Jan-Åke Jonsson and Marja-Liisa Riekkola write:

During the recent meeting HPCE2002 (15th International Symposium on Microscale Separations and Analysis) in Stockholm, the project on the 'Terminology of analytical electromigration techniques' (2001-021-1-500) was presented as a poster. The poster was essentially a summary of the current state of the paper (after public review). We also prepared a little questionnaire to hear opinions on certain issues and it provoked a number of comments and discussions. Over 35 persons were interested in receiving a

preliminary copy and invited to comment on it. Some comments were indeed received. It turned out that the conference was a perfect forum for discussions on the matter and we got valuable input for the final revision of the paper. A number of people working in the area appreciated the possibility to influence the work of IUPAC. It seems a good idea to try similar activities in the future.

The ACD web site

Have you looked at this recently: www.iupac.org/divisions/V/index.html

At this site you will find:

- A list of all active Division V projects
 - Projects near completion, or in press
 - A Project submission form and an example of a completed form and supporting documentation.
 - The names of the Task Group leaders.
 - The Terms of Reference of the ACD.
 - The responsibility of each member of the Division Committee (TM, AM, NR, officers).
- Look there to see what we expect from you!***

Orange Book

Thank you to TM and AM for all the proof reading that has been done. David Moore has almost completed the editing based on this work; he has a student working with him on linking the Index. David hopes to have the completed Orange Book (The Compendium of Analytical Nomenclature) on line by mid- August!

Chemistry International

The work of the Analytical Division will be highlighted in an article in the July issue of CI. You can have a pre-view of David's article at:

http://www.iupac.org/publications/ci/2002/2404/news_analytical.html

Looking ahead

· The Officers of the Division (David Moore, Folke Ingman, Ryszard Lobinski and Kip Powell) will be meeting at the IUPAC secretariat office in Rayleigh, NC, on the weekend of November 30/December 1. This will be a time to review the progress of the Division committee and its projects, and to fine-tune the structural and functional changes introduced after the Tuebingen meeting.

· David Moore will be addressing the IUPAC Bureau meeting in Paris, September 14-15. His presentation will review the strategic direction of the Division.

Teamwork could be the vehicle for you to share concerns or interesting news items. Do let me have your contributions!

[Kip Powell](#)
July, 2002.

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