

**DIVISION VII**  
**Chemistry and Human Health**

**Minutes Division Committee Meeting**  
**Leiden, March 4-6<sup>th</sup> 2005**

**Location and Schedule: Oud-Poelgeest Estate, Leiden-Oegstgeest, NL**

**Saturday, March 5<sup>th</sup>, 2005; 9:00 - 19:30**

**Division Committee:**

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**Observers**

Francoise Pontet [francoise.pontet@wanadoo.fr](mailto:francoise.pontet@wanadoo.fr) (invited by U. Forsum)

**Excused/Not Participating**

John Duffus

Pedro Soares

NRs

### **1. Opening, Welcome**

Paul Erhardt (PE) welcomed the Division Committee members and the project leader Dr. Françoise Pontet from Paris/France, and thanked Prof. Henk Timmerman who served as the meeting's host at Leiden, NL.

### **2. Approval of the Agenda and Minutes from the previous Division Committee Meeting, Boston, June 11-13<sup>th</sup> – 2004, Wellesley College Club**

The minutes, already made available on the internet ([www.IUPAC.org](http://www.IUPAC.org)), were formally approved.

### **3. Division VII Presidents Report**

PE discussed the results of the Division Presidents and Bureau Meetings that were recently held in Bled, Slovenia. He described the group of Division Presidents to be extremely collegial and eager to co-operate as appropriate amongst their own Division's activities and projects. They reached agreement with regard to several items scheduled for the Bureau meeting's agenda. PE was also impressed by the flexible and constructive way the Bureau operated within the framework of IUPAC's constitution.

The Division should not be hesitant to get involved with political-related topics. If our technical specialty has something to contribute or inform others about in such an area, we should do so in a neutral or unbiased manner. He noted that this operational philosophy impacts directly upon the discussions and reservations that the DC previously had, related to submission of a project proposal that deals with issues on patenting chemical-related intellectual property and its interface with the harmonization of global trade agreements. As a consequence PE will now move forward with this particular submission without any additional delay (see 7.12).

Independent fund raising is strongly encouraged and there are already several cases that serve as precedent. Likewise there is some flexibility about how royalties from book and monograph publications might be directed back to the Division associated with the project. However, this could occur only after the IUPAC had recouped all of its expenses for the project and publication costs.

It is strongly requested to add more outside reviewers in order to expedite the initial submission approval process and to expand the range of experts that might become involved in the project at a later stage.

The 25 % restriction for operational expenses within the DC budget was criticized by the Divisions and agreement was reached that 30 % would be considered acceptable. In addition, an even larger percentage may be deployed toward administrative costs by simply communicating the need for this directly to the secretariat in advance.

PE also pointed out that there is a special mechanism for interdivisional projects to obtain additional funding from reserves.

The Division president reported briefly about the Project Evaluation Committee, which will attempt to assess the impact of each project, once completed. He reminded the DC and SC to bring issues of impact, other than just citations indices, to attention.

#### **4. Prof. Brian Henry's Visit of the DC**

Prof. Henry, who visited the DC meeting at Boston, was quoted as saying that his visits to the various Division Committees in general had been very beneficial in improving communications. He further commented favourably on Division VII, indicating our handling of the Project System had been well adopted, especially as a vehicle to bring in new colleagues and experts.

#### **5. Reports from Subcommittees**

##### **5.1 Subcommittee on Medicinal Chemistry and Drug Discovery (RG)**

Draft minutes from the Subcommittee for Medicinal Chemistry and Drug Development (SCMCDD), meeting in Copenhagen, August-2004, were circulated within the SC and will be made available soon. The meeting was held prior to the EFMC meeting and had an attendance of 10.

In February 2005 the group met in Rio de Janeiro, in conjunction with the XI SSMC (Summer School Course on Medicinal Chemistry), which was organized by the Universidad Federal do Rio de Janeiro ( Prof. E.J. Barreiro). 7 members of the subcommittee lectured on "Highlights in Medicinal Chemistry". RG reported that Dr. Bogsch, the CEO of the pharmaceutical company Richter/Hungary, will sponsor an "IUPAC- Richter-Prize in Medicinal Chemistry", and that he and Janos Fischer are currently drafting the details. This development and the generous contribution from Richter Company was very much welcomed by the DC and it was recommended to make this attractive award distinguishable from other prizes, e.g. by building a symposium around the prize-winner lecture and to use the opportunity to strengthen relationships to ACS, EFMC and AFMC.

A proposal was discussed to introduce an honorary title (e.g. "distinguished or emeritus fellow") for previous members with outstanding service to IUPAC. The DC president will bring this suggestion up at the next Presidents` and Bureau meetings. He asked the SC chairs to provide names of potential nominees for such a title from each of their areas

##### **5.2 Subcommittee on NPU (UF)**

The SC met in Tunis and Indianapolis. Close co-operation with IFCC continues in the search for financing the generic database in order to maintain and update the 20,000 terms. UF worked during his sabbatical leave at Indianapolis on the conceptual description and alignment of the LOINC and C-NPU databases. The positions of the two concepts were exchanged and co-operation is moving forward to overcome the difference of representation of properties in laboratories.

New projects under consideration address concepts of properties and quantities, as well as revision of the Silver Book which is now 10 years old and needs an update in syntax and semantics. S. Anderson (DK) has been contacted for this project. New members for the SC have been recruited at the IFCC meeting and these were welcomed by the DC. UF will convey the necessary details to the Secretariat.

René Dybkaer, who turned 80 recently and is still very active, received a PhD from the University of Copenhagen in 2004 for his outstanding thesis: "*Ontology of properties for physical, chemical and biological systems*". The work has been published by Blackwell, Munksgaard, APMIS, Suppl. 117, Vol 112, 2004. Availability on the IUPAC website will be pursued.

The Subcommittee is considering two new projects entitled: the "concepts of traceability and calibration", and "NPU in environmental chemistry". AK suggested writing a short position paper for CI and to discuss interdivisional co-operation at the next GA. The NPU project on Toxicology might serve as an example for successful partnership across disciplines.

A SC-NPU-meeting was held following the DC-meeting at Leiden the next day; participants were Urban Forsum (Sweden), Françoise Pontet (France), Gunnar Nordin (Sweden), Wolf Kuelpmann (Germany), Ivan Bruunshuus (Denmark), Arne Kverneland (Denmark), Daniel Karlsson (Sweden), and René Dybkaer (Denmark).

### **5.3 Subcommittee on Toxicology and Risk Assessment (based upon written report forwarded by JD)**

The Subcommittee on Toxicology has not met since the last meeting of the Divisional Committee. However, it is intended that the officers of the Subcommittee will meet in May, 2005.

At the last IUTOX Congress in Tampere, Finland, JD gave an invited lecture on the activities of IUPAC in facilitating education in toxicology. The IUPAC Toxicology Modules, the development of glossaries, and the related textbook "Fundamental Toxicology for Chemists" were put in context and their origins in the IUPAC system were described. A paper based on this lecture has been accepted for publication in the ICTX special issue of Toxicology and Applied Pharmacology. As a consequence of the lecture, JHD has been asked to contribute a similar presentation to a proposed education session at the SOT Congress in San Diego. Any suggestions of related IUPAC activities with internet components which might be referred to would be welcomed.

A version of the glossary, prepared by JHD, has been incorporated into the forthcoming 'Encyclopaedia of Toxicology', 2nd edition, with full acknowledgment of its IUPAC origins. The encyclopaedia will also include an entry on the role of IUPAC in toxicology written by JHD.

Monica Nordberg is a task group member of the Revision of the IUPAC Compendium of Chemical Terminology (the gold book) and started correspondence with Gerry Stephenson on his first draft of an IUPAC Pesticide Glossary.

New fields to generate new projects might be human health aspects related to nano-technology (nanoparticles) and a glossary of terms in metabolomics.

## **6. Review of Activities**

PE reminded the DC and SC chairs that all completed project manuscripts should be sent to the DC President, the SC chairs and the secretary (cc) prior to publication. To reduce the workload of the DC president and in order to progress faster with publications, he delegated the editorial responsibility to the SC chairs, except for those cases, where the SC-chairmen are themselves the project leaders. PE will inquire at the secretariat if this delegation can be officially accommodated within the IUPAC rules, or if it will just be so practiced within our Division.

## 6.1 Completed Projects

### Completed projects 2003-2004

6.1.1 2001-048-2-700 - Research and training in medicinal chemistry in India, Pakistan and Sri Lanka (MC). The report has been finalized and a recommended IUPAC curriculum will be included. The msc is ready for submission to PAC. The project will be extended and continued (see 6.2.5).

6.1.2 2000-034-2-700 - Glossary for Toxicokinetics for chemists (M. Nordberg). The project has been completed. The glossary has approximately 300 entries and was printed in PAC, May issue. Nordberg M, Duffus JH and Templeton DM (2004) *Glossary of Terms used in Toxicokinetics (IUPAC Recommendations 2003)*, Pure Appl. Chem., Vol. 76, No. 5, pp. 1033-1082. Other publications related to this project are: Nordberg M. (2002) *Glossary of Toxicokinetics of Chemicals*. Chemistry International 24, no. 3, 15 and Nordberg Monica (2004) *Glossary of Terms used in Toxicokinetics (IUPAC Recommendations 2003)*, Chemistry International Vol 26, no. 5, 21

## 6.2. Current Projects

6.2.1 1999-047-1-700 - [Immunochemistry of metal sensitization](#)

(DT) Two manuscripts appeared in PAC in 2004: Templeton, D.M., *Mechanisms of immunosensitization to Metals*, Pure Appl. Chem. **76**, 1255-1268 (2004). Klein, R., Schwenk, M., Heinrich-Ramm, R. & Templeton, D.M., *Diagnostic Relevance of the Lymphocyte Transformation Test for Sensitization to Beryllium and other Metals*, Pure Appl. Chem. **76**, 1269-1281 (2004). A draft of a third paper on cytokine profiling is nearing completion. The authors will be meeting in Tübingen/Germany in May to finalize this paper. At that time they will also discuss whether this completes the project or what additional work is needed. In the original proposal they stated that "The results would be published in two manuscripts, one dealing with structural aspects and one on standardized immunological test methods for sensitization to specific metals." This field is changing quickly and it seemed logical to split the second paper into two or perhaps three parts.

6.2.2 2000-009-1-700 - [Metabolism terms](#)

(PE) The glossary is nearly completed and was discussed at the SCMCDD meeting in Rio last month. It will soon be passed on to external review. A poster describing the activities related to metabolism was presented by PE at the last ISSX meeting, September 2004, in Canada (see also 6.2.3)

6.2.3 2000-010-1-700 - [Human drug metabolism database](#)

(PE). The project has received great interest and praise at the ISSX meeting, but is still delayed due to lack of financing. PE will now approach the private sector; negotiations with a publisher from Spain have just started. PE noted that free public availability will remain a condition of any collaboration

6.2.4 2000-014-1-700 - [Recommendations for the use of nanotechnology in clinical laboratories](#)

(Peter Wilding, AK). The project is nearly finished, final comments together with approval were handed back by PE. One article has already been published in J Clin Chem.

6.2.5 2001-048-2-700 - [Research and training in medicinal chemistry in India, Pakistan and Sri Lanka](#)

(MC) A follow-up of the project will be to run workshops according to the recommended curriculum. MC together with the Indian IPP will organize a series of one-week training courses with distinguished lecturers in India.

6.2.6 2001-049-2-700 - [Glossary of terms used in process chemistry/manufacturing of active pharmaceutical ingredients and pharmaceuticals](#)

(MC and E. Breuer) This project encompasses two different glossaries. Both will be incorporated in the Compendium. MC's glossary of Terms used in process chemistry with 190 terms has nearly been completed and has been circulated for external review. The other glossary, from E. Breuer is of Terms in Pharmaceutical Technology. This has been reviewed by external reviewers and comments have been incorporated.

6.2.7 2001-050-2-700 - [Chemical, pharmacological aspects of natural products with medicinal and nutritive value](#)

(MC). The survey has been completed and the final document is currently under review by PE. PE intends to provide recommendations to restructure the paper.

6.2.8 2001-053-2-700 - [Fundamental toxicology for chemists](#)

(JD) The editing of the texts for the second edition of 'Fundamental Toxicology for Chemists' is proceeding to completion. Howard Worth and JD hope to deliver the complete edited version to the Royal Society of Chemistry within the next few weeks. All existing chapters have been revised and a number of new chapters were prepared, including chapters on pharmaceutical toxicology, toxicology in the clinical laboratory, and pathways and behaviour of chemicals in the environment.

6.2.9 2001-058-1-700 - [Concepts and structure for requests in clinical laboratories](#)

The project is moving ahead and will be completed during the SC meeting. A publication will be produced next month.

6.2.10 2001-066-1-700 - [Global use of the C-NPU concept system for properties in toxicology](#)

(Wolf Külpmann)The final paper resulting from this project was submitted to PAC on October 26, 2004. Jack Lorimer, UF, PE and JD have been corresponding about it and there is now a final list of suggestions from Jack (January 22, 2005) as to how it should be prepared in a form suitable for publication in PAC. The project will be finalized before summer.

6.2.11 2001-067-1-700 - [Properties and units for function examinations](#)

(A.Jabor). AJ has retired and therefore the project is not finished but it is anticipated that work will restart 2005 and be finalized once a replacement for AJ has been identified

6.2.12 2001-070-1-700 - [Properties and units for urinary calculi](#)

(A.Jabor). The project is not finished but it is anticipated that this work will also restart in 2005. The two projects by A. Jabor are considered very important and are already in an advanced stage. The continuation will be discussed at the forthcoming SC meeting and a replacement for A Jabor will be sought.

6.2.13 2002-001-1-700 - [Compendium of terms associated with drug discovery and development](#)

(RG). There is good progress and 6 glossaries will be included. A single editorial format is being developed. Details will be discussed with the publisher (Wiley) at the ACS in San Diego. It was noted by TP, referring to the recent book of Prof. Wermuth, that the publisher Wiley should be informed that advertisement of books could still be improved by the publisher. PE indicated that he would convey this situation during the Wiley meeting.

6.2.14 2002-051-1-700 - [Analogue-based drug discovery](#)

(J.Fischer). The project has made excellent progress, with 20 msc already received. The new deadline is March, 2005, for receipt of the last 6 pending manuscripts and the end of April for submission to the publisher (Wiley). The book will have about 300 pages.

6.2.15 2003-001-2-700 - [Explanatory dictionary of concepts in toxicokinetics](#)

(Monica Nordberg) The project has just started.

The only publication so far is: Nordberg M. (2004) *Explanatory Dictionary of Concepts in Toxicokinetics*, Chemistry International Vol **26**, no. 4, 23-24.

6.2.16 2003-028-1-700 - [Glossary for chemists of terms used in toxicology - revision and updating](#)

The original glossary has been merged with the new Glossary of Terms Used in Toxicokinetics which was published in PAC last year. The combined glossary has been circulated to a number of possible reviewers including representatives of IUTOX and EUROTOX but little comment has been received. It appears that the definitions in the glossary are acceptable but further comment will be sought.

6.2.17 2003-044-1-700 - [Glossary of terms used in combinatorial chemistry](#)

Derek Maclean had difficulties in finding external contributors but continues with the work. He became a member of the editorial board of the J.Combinatorial Chemistry and was involved in writing (style guide) the instruction for authors.

6.2.18 2003-059-1-700 - [Quantifying the effects of compound combinations](#)

Dr. Joseph Lehar from Computational Biology in Boston/US continues with the project, previously initiated by Prof. Poech from Austria. JL will contact potential subcommittee members over the next two months and plans some form of gathering for the summer to agree upon the contents of the report. He estimates a period of 4-5 months to write up the IUPAC recommendation on quantifying the effects of compound combinations. JL shall be encouraged to provide a short summary of the project for Chemistry International (CI).

6.2.19 2004-019-3-700 - [Glossary of terms used in biomolecular screening](#)

(J Proudfoot) The project started last year and 175 terms were collected by the team which met in Orlando. Larry Walter the editor of J. Biomolec. Screening has joined the working group and an article has appeared in the newsletter of the Society of Biomol. Screening, from which several members participate: ([www.sbsonline.org](http://www.sbsonline.org)). Target for completion is summer 2005.

6.2.20 2004-023-1-700 - [Internationally agreed terminology for observations in scientific communication\\*](#)

Dr. Pontet's project has been initiated at the SC-NPU meeting in Leiden 03-06-05. The project addresses nominal results, terms that are not described by numerical quality as in classical metrology.

6.2.21 2004-025-1-700 - [Compendium of targets of the top 100 commercially important drugs](#)

(John Proudfoot) This project originated from a report stating that only a limited number of targets exist for the top 100 commercially important drugs. The project has started last year and 3 main target groups have been identified and drafted: nuclear receptors, antibacterial and protein targets. It was recommended to include an editorial comment on commercial versus essential drugs and make a comparison with the WHO listed 100 essential drugs.

6.2.22 2004-028-1-700 - [Practical studies for Medicinal Chemistry - An integrating approach for developing countries](#)

(MC and A Monge) The project will produce educational material for IUPAC Courses in the field of Medicinal Chemistry in the form of a book on practical aspects, involving small scale experiments. Antonio welcomes contributions in the form of experiments/descriptions. HT will contact AM and provide input. The results of the project will be made available also on the internet and it was recommended to produce an English version. MC will contact and inform CCE.

### 6.3 Interdivisional Activities

6.3.1 2001-005-1-300 - [Post-genomic chemistry](#) is to be dropped from our listing.

6.3.2 2001-020-1-300 - Glossary of terms and basic protocols used in photodynamic therapy. (Prof. Davies, UK) No update on the latter project has been received for some time and the status remains unclear.

The Division has offered co-operation in the review process of recently initiated projects:

[Development of simplified methods and tools for ecological risk assessment of pesticides](#)

(Ronald Parker) and

[Glossary of terms related to pesticides](#)

(Gerald R. Stephenson) Monica Nordberg has become involved.



## 6.4 Project Applications under review (March 2005)

### 6.4.1 2004-45-1 Educational material for education in Toxicology (W. Temple)

This project pertains to educating children about toxicology, i.e. the hazards and safe use of pesticides. After mixed responses the review by CCE has been positive and a contribution has been offered. The DC accepted the project and PE will inform the secretariat that the project shall be funded.

### 6.4.2 2004-20-1 Molecular gastronomy (H.This)

Several positive reviews for this project application have been received. Addition of a team member who is an actual food specialist (e.g. nutritionist) was also recommended but not accepted by the project leader. The project, as it is, has again received approval of the DC and AK was asked to communicate this favourable decision to Prof. This and ask him to start the project.

Post-meeting note: Since the budget for this project is rather high, AK has also been asked to see if the budget can be reduced to \$ 5 K and, if not, then to directly convey to the Project Team that they need to provide further justification for their costs.

### 6.4.3 2001-69-1 CNPU concepts and traceability (G. Nordin)

This joint project (IFCC and IUPAC) will make use of co-operation with Prof. de Bievre, BIPM, IFCC, EU and WHO to proceed with this important aspect in the clinical laboratory. Rene Dybkaer joined the working party.

### 6.4.4 2004-022-1 "Starch project" ( Fitzgerald)

1500, - USD were offered from the Division budget for this interdivisional project.

### 6.4.5 2004-43-1 Terminology of biomedical polymers( Vert)

Interdivisional financial contribution from DC VII was declined, because there was no interest in participation of any type.

## 7. Discussion of future plans

### 7.1 New projects

7.1.1 "Bioinformatics": Prototype Analysis of Molecular Biomarkers of diseases (M. Liebman): The already approved project had not been submitted yet. Again approved by the Division pending submission including bridging with SC on NPU and IFCC and inclusion of terms of evidence based medicine and quality control. AK will provide the name of a Hungarian colleague.

7.1.2 Prototype Analysis of Glossary Terms to establish Biological Context by Text Data-mining (M. Liebman): Already approved by the Division for submission. ML outlined his ideas on data mining in the field of cancer research and estrogenic compounds by use of information technology. ML explained that the application was delayed because of software problems, which have been solved only recently. He promised that the project application will be forwarded within the next weeks for external review.

**7.1.3** IUPAC Survey and Discussion Group on Present Trends in Patenting Drug-Related Technologies (P. Ehrhardt & P. Lindberg): Approved theme, and having cleared the question of political impact, PE will submit the project application very soon.

**7.1.4** Nutraceuticals derived from plant sources of South America (Antonio Monge)

There is still strong interest to develop this project and analysis of health importance and economic changes recommended. A team from Latin America has been put together and a draft has been received by RG, who will assist in preparing the proper submission.

**7.1.5** Nutraceuticals derived from marine sources (NF)

ML provided contact information, but no response from Prof. Nifantiev was received, RG will contact Prof. Nifantiev again.

Related to the two former projects, the term "Nutraceutical" was critically discussed and it was recommended to avoid this expression, which has been developed solely for commercial reasons and bears no scientific value.

**7.1.6** Prediction of storage stability of drugs and compound libraries. (MC and Richard Wife from Biospex)

MC was encouraged to follow this proposal up and mentor Dr. Wife into a submitting the project. The data are already available and a contribution of 1000, - USD from the Division budget was offered.

**7.1.7** Introduction of the NPU-database into the Russian system.

The DC has not received a response from Prof. Nifantiev, and inquiries made by AK during his recent visits to Moscow failed to find any organizations who might be interested to use the NPU codes. All efforts have not yielded real interest from the Russian participants. It is anticipated, that with the increasing use of IT in Russia in clinical laboratories, the need of a database will soon be recognised. Russia does not have Russian equivalents for the majority of biology terms and thus "English originals" are in use just with spelling in Russian letters. Nevertheless, the SC will continue to search how to introduce NPU codes into Russian practice. In the meanwhile, the system might be introduced to Estonia with good chances; negotiations with the Estonian Society of Clin Chem have begun.

**7.1.8** Revision of the Silver Book (Chris Rigg)

The silver book needs revision and updating, however neither C. Rigg nor R Dybkaer will take up the task. The issue will be discussed at the forthcoming SC meeting and the search for a project leader continues.

**7.1.9** Extension of the SCNPU-system to Imaging (UF)

The field needs a unifying concept and a systematic structure. Contacts with producers of imaging equipment (Siemens, Philips, and GE) might be a way to explore the possibility to develop a system for reporting information according to the NPU system.

**7.1.10** Problems of metrology dealing with uncertainty.

Co-operation with DC V will continue, but no own project will be formulated. AK has written a compendium of uncertainty for Lab. Med. This will be made available upon request.

#### 7.1.11 Educational Material / ToxLearn (J Duffus)

The topic will be discussed at the next SOT meeting.

#### 7.1.12 Joint project clinical and medicinal chemistry (JF)

JF outlined a proposal for a bridging project between clinical and medicinal chemistry on validated targets of isolated drugs and analogues. He was asked by the DC to prepare a sketch for the Beijing meeting.

#### 7.1.13 Kids in science (MC, Jack Wife)

MC presented a correspondence with Dr. Wife, who seems willing to start a project on kids in science. The DC considered the theme interesting but more appropriate to be transferred to the responsibility of CCE. MC was asked to establish the contact between Dr. Wife and CCE.

#### 7.1.14 Properties and Units in CD markers (UF)

This might become a new project; a possible project leader has already been identified.

### **7.2 Conferences**

PE asked the SC chairmen to submit a list of conferences in their field that they would like to be aligned with IUPAC sponsorship either in a new manner or as a new relationship. He wants to explore the possibility of an IUPAC (blanket) sponsorship for these conferences by reducing the terms of sponsorship and further opening the possibility for poster prizes.

7.2.1 IUPAC conference, 2005 in Beijing (12-14.August 2005). See item # 12.

7.2.2 ACS, San Diego. PE will present a Division-Poster at the forthcoming ACS conference describing the work of Division VII. Also see item # 7.3

### **7.3 Preparation of Division VII PR Materials**

A poster for use at various meetings has been prepared by PE (see item 7.2.2)

MC volunteered to write a Division VII brochure. He will provide the draft to PE within a week.

The issue of a Division newsletter will be further discussed in Beijing.

### **7.4 Division VII Fund Raising Plan**

PE has drafted and circulated a plan of how the Division might go about fund raising.

1. Subcommittee member/team proposes a fund-raising effort on behalf of his/her/their subcommittee activities and/or project(s).
2. Subcommittee Chairperson submits summary to the Division about how funds are to be sought and specifies how the money will be spent in a non-profit manner to enhance the Subcommittee's activities and/or to further support its ongoing projects.
3. Division provides approval for Subcommittee to initiate fund-raising effort and forwards the summary to the Secretariat.
4. Incoming money is deposited directly into general IUPAC account(s) via Secretariat.

5. Secretariat sets-up a "Fund" Project using its Project System mechanism specifying the Subcommittee Chairperson as the Project Leader who can then spend the money via the same expense submission process used for any other projects. No "cuts" will be excised by either the Secretariat or the Division, i.e. 100 % of the funds that are raised will be returned to the Subcommittee.

The same process may be undertaken on behalf of the Division wherein the President then becomes designated as the "Fund" Project Leader.

Depending upon various goals of the fund-raising effort, other spending scenarios may be able to be set-up by the Secretariat as well. For example, a self-sustaining sum of ca. \$ 5 K per year could be established by "banking" ca. \$ 100 K of raised funds into an IUPAC account so as to produce such a level of annual interest income in a perpetual fashion. The latter, in turn, might then be used to support some initiative that the Subcommittee or Division wants to run in an ongoing manner for several years, such as a continuing IUPAC poster award at some regular conference that is specifically relevant to the Subcommittee's or the Division's technical area.

#### **7.5 Division VII Project Update Form**

The DC President would like to see the Division adopt a more formal tracking system for our projects in a format that would go out to all of the Project Leaders on a regularly scheduled basis, e.g. just prior to our DC meetings or at least an annual basis. Division V already uses such a tool and they have found it to be extremely useful. A draft was circulated by PE. It was decided to adopt this tool on a trial basis and to use the form for tracking projects and reporting at the next DC meeting (Beijing). We will then discuss what the experience has been, before a final decision is made.

Each Subcommittee chairperson should ensure that the following form is delivered to each of the project leaders in their respective areas. The form shall contain the following information in this same language and sequence:

1. IUPAC Project # and Title:
2. Project Leader:
3. E-Mail, Telephone # and FAX #:
4. Project Start Date:  
Amount Budgeted:  
Recorded Completion Date:
5. Estimate Completion Percentage:  
Amount Spent:  
Anticipated Completion Date:  
What Will Be Delivered First:
6. List of changes in the Project Team's membership (provide complete contact information for any new members):

#### **8. Cooperation within IUPAC**

**ICTNS:** Clarification of glossary entries with John Lorimer is continuing.

**CCE:** MC will continue in representing Division VII.

**COCI:** Tom Perun was nominated to represent Division VII.

**PAC:** As DC President, PE is a member of the editorial board. As mentioned earlier in the Minutes, PE proposed to have three technical editors for PAC and will proceed with this proposal as appropriate via the secretariat.

**CI:** Newsletter Project. Antonio Monge will on behalf of Div.VII work with Div V to deliver an article for their series entitled: "Emerging needs in developing countries-challenges for IUPAC"

## **9. Cooperation with other Organizations**

**US-NC:** PE participated in a meeting and discussed experiences in fund raising.

**ICSU:** AK attended the annual meeting. The drug metabolism database will remain an initiative and AK will write a letter to endorse the latest draft.

**NIH:** Co-operation with Phil Wexler's "World Library on Toxicology" and the "Tox-Learn" concept is continuing. Work is progressing on the development of introductory material on toxicology, presently called TOXLEARN, for the forthcoming US National Library of Medicine Toxicology Portal. John Duffus provided the glossary and will be involved in the review of the ToxLearn format.

**WHO:** A formal request for a report of activities of DC VII was received and PE will forward the information by sending them our most recent annual report. AK will inform him about the contact.

**WHO/IPCS:** BH contacted Dr. Besbellin (IPCS, WHO Geneva) and was assured that the joint project on Educational Material (W. Temple) is still supported by WHO.

**IFCC:** Projects are continuing and vested interests relate to traceability and uncertainty. UF will represent IUPAC.

**SOT:** JD attended the SOT Congress in Baltimore. JD and ML have been invited to give a lecture at the next SOT conference.

**SBS:** Contact with SBS was established by PE and will be continued by John Proudfoot relative to his project and PE.

**IUPHAR:** PE remains in contact via his joint project on a drug metabolism database, and HT plans to make additional contacts.

**ACS, EFMC, AFMC:** PE intends to be more proactive towards collaborating with these organizations on behalf of Div. VII.

## **10. Personalia, Report from the Election Committee (TP)**

Tom Perun, chairman of the Nominating Committee, attended the DC meeting. TP conveyed the final membership of his nominating committee as approved by the secretariat: TP (chair), Rita Cornelis (Belgium), Monica Nordberg (Sweden), Giorgio Tarzia (Italy), Hugo Kubinyi (Germany). TP distributed names of 7 candidates that have been approached and are willing to serve on the DC. The SCCC will discuss and provide another nomination and will inform TP and the Election Committee within a week. Four positions on the DC are to be filled plus the position of vice president and secretary of the DC, due to end of term. The question of Pedro Soares de Araujo continuing on the DC will need to be resolved.

The ballot for election of the TMs will be handled by the secretariat. PE asked that each of the Division's three technical subcommittee chairpersons propose five (5) additional names from their SC and/or people on their various projects, who under the new balloting system, would then become added to the traditional group that comprises the Division's electorate.

BH offered to vacate his position as secretary of the Division and MC expressed his interest in assuming this position. The motion to have MC become the new secretary was discussed and then acknowledged by PE. An official election of the Division Secretary will be made by the DC at the GA in Beijing.

Likewise, the possibility for someone to assume the Vice President was discussed. Formalized election of a VP will also take place in Beijing.

The list of nominated national representatives (NR) from the NAOs will also be forwarded by TP to the DC and their formal election to the DC will be conducted in Beijing.

## **11. Finances**

The DC has spent about 70 % of the budget and if, after also covering this last round of administrative costs, the remaining funds do not cover the pending project submissions, PE will ask for additional funds from the secretariat reserve.

## **12. Any other business**

### **Next DC meeting**

The next DC meeting will be held at the IUPAC General Assembly, 2005 in Beijing (12-14. August 2005). The schedule for DC members should be to arrive no later than Friday, because our DC meetings are scheduled for Saturday and Sunday (specific times and location will be provided later). Joint meetings with DC III and VI shall be requested to discuss interdivisional co-operation on NPU in environmental analysis.

The TMs were reminded to follow strictly the information requested in the brochure (available from IUPAC website) and timely application of visa.

PE will request travel reimbursement for the subcommittee and nominating committee chairmen (RG and TP) to participate in the DC/GA meeting at Beijing. PE also intends to extend an invitation to our Chinese hosts, to attend the DC meeting. PE encouraged the SC chairs to do the same for any meeting they intend to hold while at the GA. For the latter, chairpersons were reminded to contact the Secretariat immediately for assistance with scheduling of non-conflicting times and for the availability of rooms.