

Minutes of the DIVISION VII Division Committee Meeting
Chemistry and Human Health
Boston, June -15th - 2002

Participants (TM):

Dr. Anders Kallner (President, Division of Chemistry and Human Health) anders.kallner@ks.se
Dr. Mukund Chorghade chorghade@prodigy.net
Dr. Jytte Molin Christensen g2002@orangenet.dk
Dr. Rita Cornelis rita.cornelis@rug.ac.be
Prof. Paul Ehrhardt perhard@utnet.utoledo.edu
Prof. Urban Forsum urban.forsum@imk.liu.se
Prof. Robin Ganellin c.r.ganellin@ucl.ac.uk
Dr. Thomas Perun Tjperun@aol.com
secretary: Dr. Birger Heinzow bheinzow@lanu.landsh.de
Unable to attend: Michael Liebman liebmanm@mail.med.upenn.edu

observer : Dr. Jim McAlpine McAlpine@ecopeabio.com (introduced by T Perun)

TOP

1.-Opening and Welcome

Anders Kallner, President of the Division, welcomed the participants and thanked Mukund Chorghade for organising the venue. B Heinzow reminded of Dr. Heinrich-Ramm's untimely death, and the appreciated work that she did for IUPAC and the Commission on Toxicology. The secretary has expressed his condolence to the family in the name of the Division. Since at each Council meeting there is a moment of silence for all present and former members of IUPAC bodies who have died during the preceding two years, a message was forwarded to John Jost, so his records will reflect Regine's death. There will be an obituary in the Archives of Occupational Medicine. Her IUPAC activities, and the deep feelings and thankfulness of the members of the Division and Comtox were mentioned in the in memoriam speech by Prof. X. Baur, Director of her Institute, at the funeral.

2.-Approval of the Agenda and the minutes of the Brussels meeting.

The Agenda was approved with the additional TOP 7 "Future Activities". Minutes from previous Subcommittee Meetings are under preparation. A home page archive for confidential material was no longer considered necessary.

3.-Division VII Presidents Report, Bureau Priorities, Strategic Plan

The secretary BH reported about his very recent discussion with the Secretary General, Ted Becker, and conveyed the positions of the IUPAC secretariat concerning the project organisation. The Divisions's project coordinator for new projects submitted, usually the Division President, will be informed by the secretariat (Fabienne Myers) and should respond within 2 weeks if there is a potential interest of the Division and by this positive statement initiate the further review process within IUPAC. The status of each project will be displayed on the IUPAC homepage and the online contents are regularly (bimonthly) updated: <http://www.iupac.org/projects/index.html>>
The updated version of the report of project proposals under review has been posted on the following page : http://www.iupac.org/projects/p_review/>. Recently initiated projects can be seen under: http://www.iupac.org/projects/new_projects.html>

With the new system the task groups become more important together with the responsibility of the Division Committee to initiate and to review and prioritize new project applications by timely management. It was decided to appoint for each accepted project a project liaison, to keep track of the progress of each initiated project. 75 % of the Div. Budget should go into projects. For new projects, ideas also from government and industry and from developing countries should be sought.

The document describing the activities of IUPAC and Division VII drafted by MC previously shall be condensed to a one page letter. The part on Medicinal Chemistry has been completed by R Ganellin highlighting the accomplishments of the previous Med. Chem. Section, accordingly A. Kallner will provide his part of the Clinical Chemistry field at his earliest convenience. The document shall conclude with a third paragraph and describe the IUPAC project process and invite for participation. With regard to a possible role of IUPAC in the education of chemists, the surveys that have been done by the Medicinal Chemistry Section, and those continuing under the Subcommittee framework have been valuable in identifying differences in the curricula involved in the training of medicinal chemists throughout the world. The publications of these surveys should lead to better recognition of the elements of a sound medicinal chemistry education, and to provide this information to developing countries. After some delay, the Chemistry and Human Health Division is now linked to the homepage of the ACS Division of Medicinal Chemistry, which has 10,000 members, and has a very active website. The Division shall set up such links with many more organizations, so that there will be greater recognition of (and possible participation in) the various project activities in IUPAC.

RG suggested that IUPAC should be more proactive in public relations, and should also appoint a professional Press Officer.

4. -Personalia

One of the NR position is vacant. The Division Committee is entitled to appoint up to six Associate Members and up to six National Representatives [the NRs on nomination by an NAO]. The list shows that Div VII has no AMs and 5 NRs. It was decided to fill the vacant positions, any new NR should come from a country not represented by a TM or AM. Normally there are no geographic restrictions on AMs. However, the EC has been concerned about the numbers from the US and UK in Division VII. The EC will have to approve the appointments, approval will be done quickly by e-mail. The discussion on nomination of AM will be continued by email, suggestions are invited from the DC members and subcommittees. AK noted that the Div VII needs to find people interested in new areas like bioinformatics, nutraceuticals, GMO:s etc. and that we seriously look for AM's that could bring in new ideas and experience to the Division and not to continuing and cultivating the legacy of the previous divisions. AK will write to Ted Becker for clarification of the status of NRs and AMs. Prof. Nifantiev (nen@ioc.ac.ru) has responded to his election favourably and outlined his main research interest: development of carbohydrate therapeutics (glycodrugs, blockers of E-, P- and L-Selectins), sensitizers for photodynamic therapy and carbohydrate arrays. Co-operation in a project on photodynamic therapy has been established.

5. - Report from Subcommittees, TORs

R. Ganellin, chairman Drug Discovery and Development, gave his report of the activities of the subcommittee, which met in Orlando April 6th and was attended by 8 members. B.K. Trivedi resigned from the subcommittee. Draft minutes are circulating and contain details about future projects.

The Subcommittee on Nomenclature and Properties and Units (Chair: Urban Forsum) met in February 2002 in Copenhagen, as a new member U. Storm from the Netherlands was recruited. It was suggested to find someone from Russia for the Subcommittee and A. Kallner will write to Prof. Nifantiev and ask for suggestions. R. Dybker has published his BIPM approved paper on Catal, which is considered a IUPAC landmark in metrological sciences. New Concepts in NPU might include "arbitrary units" and cooperation with LOINC was discussed. UF will meet Prof. Kulpmann in August and prepare the next meeting scheduled for November 2002 in Hannover. The minutes will be distributed.

The Terms of Reference (TOR's) for a Subcommittee on Toxicology and Risk Assessment drafted by John Duffus (UK) were presented by R Cornelis and with minor amendments accepted by the DC. BH will forward the TOR's to the secretariat. AK suggested to engaging our National Representatives and to seek associated members to the subcommittee. For the forthcoming elections again an election committee has to be set up. To overcome the limitations of the last procedure, with withdrawals of several nominees, the project leaders and the Subcommittees shall make nominations for the EC, favourably with a background on the TORs of IUPAC and DC VII.

6. - Review of Activities

Publications: The manuscript: "Medicinal Chemistry in the New Millennium. A glance into the future", by Paul W. Erhardt has been published in Pure Appl. Chem. Vol. 74, No. 5, pp. 730-785 (2002). The future of medicinal chemistry as both a pure and applied science has been considered relative to trends that are already having a significant impact upon drug discovery and development. After quickly reviewing how medicinal chemistry has been practiced to date, topics considered into the future include: pursuing therapeutic efficacy, addressing 3D structure within database settings, assuring absorption, directing distribution, controlling metabolism, optimizing elimination, and avoiding toxicity. This article forms part of the special topic coverage offered by Pure and Applied Chemistry, to highlight topical themes and to offer critical insight into new and emerging concepts in chemical sciences.

<<http://www.iupac.org/publications/pac/2002/7405/7405x0703.html>>

The publication: "Heavy metals"—A meaningless term? (IUPAC Technical Report), by J. H.

Duffus has appeared in Pure Appl. Chem. Vol. 74, No. 5, pp. 793-807 (2002)

<http://www.iupac.org/publications/pac/2002/7405/7405x0793.html>

6.1. Review of the Projects of the Division VII <http://www.iupac.org/projects/>>

720/11/97 - Fundamentals of Toxicology: The document has been prepared by Prof. Duffus, and the online version is now available: The Science of Chemical Safety - Essential Toxicology

An Educational Resource <http://www.iupac.org/publications/cd/essential_toxicology/>

This work has gained recognition on the web as a highly recommended site within the Toxicology databases.

720/12/97 - Risk assessment with a focus on particulate matter, has been abandoned due to other commitments of Prof. Nolan, but might be reconsidered at a later date.

6.1. VII.C Clinical Chemistry Section

VII.C.1 CNPU

6.1.1 Properties and Units in the Clinical Laboratory Sciences [710 /8/87]. The generic Database has been transferred from Copenhagen to Sweden and underwent some restructuring, errors were eliminated and consistency installed. Since April 2002 the IFCC-IUPAC/CNPU Database is hosted by the University of Linköping. However a longterm host has not yet been established for this valuable piece of work. J. Rathcliff has valued it as the best metrologically sound concept and IFCC will seek its follow up. Marketing of the product should be intensified and UF should contact H. Klich and look into the 6th framework program of the EU (networks and centers of excellence) and follow it up at the next IFCC meeting in Kyoto.

A link on the IUPAC homepage should be installed and eventually a new project application be considered: dealing with promotion and dissemination of the database. The Internet access to the generic database is: <http://dior.imt.liu.se/cnpu/>

VII.C.2 ComTox

6.1.2 Exposure Assessment and Decision Rules in Compliance Testing for Implementation of Exposure Limits [720/4/93] (JMC)

The project goals have been accomplished and a paper published in Accreditation Quality Assurance 7: 28-35 (2002), referring to the nature as an IUPAC project (authors JM Christensen, E Holst, E Olsen, PT Wilrich). JMC shall contact the secretariat (Fabienne Myers) to have a summary published in CI or in PAC.

6.1.3 Exposure Assessment using the Logbook Method [720/7/95](E. Olsen) The final draft is under external review and will be published as an IUPAC report soon.

VII.M Medicinal Chemistry Section

VII.M.1 CNPU

6.1.4 Nomenclature Guidelines for Combinatorial Chemistry in the Synthesis and Screening of Compound Libraries [753/1/95]

IUPAC Glossary of Combinatorial Terms. (Derek MacLean). The contact with Derek MacLean has been reestablished and he is interested in continuing but has not yet submitted a project application. The matter deserves an update because of recent progress in the field, innovation and new methodologies. This has also been expressed by Dr. Stanley Langer, secretary of the NAO of the UK and Dr. Dennison has been asked to look into the matter. D MacLean introduced the challenge of an electronic archive, to readily update new versions. RG will promote the application of a new project.

6.1.5 Legal implications of patenting virtual libraries. A position paper in the name of Div. VII has been finalized by Paul Erhardt and mailed to various institutions, organisations and influential individuals, asking for comments and further distribution. In response to this letter, the topic has been placed on the discussion agendas of both the US PTO and the WTO. The 'position statement' is attached as a word file together with its cover letter and a distribution list. A second version of the 'position statement,' re-phrased so as to prompt others' opinions, was subsequently drafted in response to the IUPAC Secretariat's request for such. The latter is to be printed in the IUPAC's newsletter Chemistry International.

6.2. Current ongoing Projects listed on the IUPAC site <http://www.iupac.org/projects/new_projects.html>

1999-047-1-700 - [Immunochemistry of metal sensitization](#) D. Templeton. The project has been partly completed, however due to the untimely death of Dr. Heinrich-Ramm her part of the project has not been completed. BH will try to find a solution together with Prof. Templeton to have the project completed. Contact with a possible coworkers has already been established.

2000-009-1-700 - [Metabolism terms](#). P. Erhardt : A consensus on the definitions has been reached for half of the final 150 terms included and the others will be completed and reviewed before the year ends.

2000-010-1-700 - [Human drug metabolism database](#) P. Erhardt : For this joint ICSU/IUPHAR/IUPAC project the hardware has been installed and an interdisciplinary team of ten people including interested students with database experience has been assembled to develop the software (Oracle / JAVA). The non-profit data bank consists of 3 parts: i) Chemical Structure; ii) Metabolism Events (including pharmacokinetic and half-life data as available); and iii) Metabolic Phenotype Information. When the prototype has been installed and the first data been entered by the end of the year 2002, PE will advertise for external input. Information on 3000-5000 compounds is targeted but needs external funding to be accomplished. The availability of the database will be potentially of great value to the pharmaceutical industry in the design and development of new therapeutic substances.

2000-014-1-700 - [Recommendations for the use of nanotechnology in clinical laboratories](#) (P Wilding) The project is making slow progress, there will be a meeting of the task group next month.

2000-034-2-700 - [Glossary for toxicokinetics of chemicals](#) M Nordberg: The task group met once and agreed on 200 terms and is now adding the definitions. R Cornelis was named liaison for this project and asked to convey the correspondence received from J. Seydel to the task group.

2001-066-1-700 - [Global use of the C-NPU concept system for properties in toxicology](#) (W Kùlpmann) The task group will meet in August in Hannover and start the project.

2001-067-1-700 - [Properties and units for function examinations](#) A Jabor: the project is nearly finished and will be finalized by the end of the year

2001-068-1-700 - [Properties and units in medical molecular biology](#) P Soares de Araujo: The project is close to publication

2001-070-1-700 - [Properties and units for urinary calculi](#) A Jabor The project is nearly completed and will enter the review process soon.

INTERDIVISIONAL ACTIVITY

1999-003-1-300 - [Molecular basis of biodiversity, conservation and sustained innovative utilization](#) A. Monge is representing the Division and MC was named as liaison.

2001-020-1-300 - [Glossary of terms and basics protocols used in photodynamic therapy](#) N Nifantiev has become involved and A Kallner will correspond and ask for an update of the status of the project. MC suggested that he would contact Professor D.H. Dolphin at British Columbia, Canada, since he is an expert and research originator in PDT. MC also volunteered to act as a liaison for our DC.

PROJECTS NEAR COMPLETION / IN PRESS

700/2/98 - [Natural and Unnatural Substances Related to Human Health](#). (J Topliss) RG reported that the 60 page document has been finalized and has been sent to IDCTS for clearance and will be published in PAC, which is to serve as an information source for people to write articles for the general public regarding the misconception about natural versus synthetic medicines.

6.2.1 Projects submitted and under IUPAC review

An updated version of the report of project proposals under review has been posted on the following page <http://www.iupac.org/projects/p_review/>. Usually projects listed under step 1, 2 and 4 for more than two weeks are calling for attention.

[6.2.1.1 Research and Training in Medicinal Chemistry](#) in India, Pakistan and Sri Lanka [# 01-48] M. Chorghade) and Egypt (O. Kebir).

[6.2.1.2 IUPAC Glossary on Pharmaceutical Process Chemistry](#) [# 01-49] (RG) The Glossary on Pharmaceutical Process Chemistry is being organised by MC and the Glossary of Pharmaceutical Technology is being produced by Professor Eli Breuer (Jerusalem). The two glossaries are part of the submitted project.

[6.2.1.3 Aspects of Natural Compounds with Medicinal and Nutritional Value](#) (# 01-50)(MC)

[6.2.1.4 Fundamental Toxicology for Chemists](#).[# 01-53] (John Duffus) Late last year the entire CTC and Div VII committee reviewed the proposal. As the outcome of this internal evaluation, Dr Kallner confirmed that "The Division Committee is very much in favor of this project". The review has been however on hold since the secretariat has never received a reply from Prof. Bradley. J. Duffus shall contact CCE and BH will keep the liaison.

[6.2.1.5 Concepts and Structure for Request in Clinical Laboratories](#) [# 01-58] (UF)

[6.2.1.6 Properties and Units for Transfusion Medicine and Immunohematology](#)[# 01-59] (UF)

[6.2.1.7 C-NPU Concepts and Traceability of Measurements](#)[# 01-69] (Gunnar Nordin) Contact with BIPM has been established and AK will keep the contact with the project leader and ask for resubmission.

[6.2.1.8 Compendium of Terms for Chemists applied to drug development](#) (#02-1)(RG).

[6.2.1.9 Workplace exposure assessment](#) (01-77) (Eric Olsen). This project has reached step 4. Several comments were received from the internal review and the project was considered appropriate but too expensive, without a reduced budget the project has to be abandoned. JMC will convey this to the task group and ask for resubmission.

After discussion of each project it was decided to accept and fund projects under 6.2.1.1 – .8 and reconsider the project under 6.2.1.9 with a reduced budget. AK shall inform the bureau about the approved projects.

For the projects submitted by Richard Cantrill (2002-012-1 and 2002-012-1) on fat and oils participation of Div. VII will be denied.

For the project submitted by H. Klich (2001-029-2) on certified reference material and harmonisation of the nomenclature US\$ 2000,- from the Div. VII budget will be provided.

6.3 New Project Ideas

6.3.1 New Projects from Subcommittee on Nomenclature and Properties and Units

[6.3.1.1 Properties and Units in Flow Cytometry](#) UF reported that no task group leader has been found yet and that the project must be submitted at a later date.

6.3.2 New Projects from Subcommittee on Drug Discovery and Development

Dr. Jim McAlpine (McAlpine@ecopeabio.com) was introduced by T Perun, he will get involved in projects related to natural compounds and plant products in medicinal chemistry.

6.3.2.1 Evolution of Drug Discovery RG corresponded with J. Fischer, comments have been conveyed and the draft proposal is under review and will be rewritten and again discussed in September when the subcommittee meets again.

6.3.2.2 Bioinformatics (M Liebman) Terms of diagnostic tools and diagnosis (Glossary of Bioinformatics). M Liebman had intended to organize a workshop on bioinformatics and drug development later in 2002 in the Washington Area. However due to other unforeseen developments he was unable to proceed with the task and had to postpone this project. The conference and a follow-up project was still considered excellent and should be pursued. This type of activity, i.e. bringing together influential persons from government, industry and academia for brainstorming and generating ideas and goals for new projects, is very much appreciated by the new project system of IUPAC. TP will contact ML to convey the results of the deliberation.

6.3.2.3 Biomarkers for therapeutic and diagnostic effectiveness B.K. Trivedi resigned from the Subcommittee and RG was named liaison for this project and will contact B. K. Trivedi to find someone to take up the task group chair and A. Kallner will contact IFCC to gain their participation in this project.

6.3.2.4 Educational material for IUPAC courses in the field of Medicinal Chemistry (MC and A. Monge Vega) The project is still under consideration and MC was encouraged to have an application submitted.

6.3.3. Projects ideas from other areas

6.3.3.1 Educational Material for Research and Science Curricula in Developing Countries. A project application has been discussed between BH and J Duffus and is based on three columns: basic information, experimental work, scientific conclusions and communication of results. A project application is welcomed by the Division Committee. B. Heinzow will pursue this task and involve MC.

6.3.3.2 Data base on chemical disasters (L Nagatigayemi). BH has contacted Prof. Nagatigayemi from Szeged/Hungary who is still interested in this project. Suggestions for a project application were conveyed and the Division Committee encourages this activity. MC offered to inquire about possible participation from India.

6.3.3.3 Determination of the concentration component of air exposures to volatile compounds. (E Olsen) JMC: A project application might be submitted as second priority to the project Workplace exposure assessment (01-77).

6.3.3.4 Risk Assessment in the Workplace (E.Olsen) E. Olsen had the intention to submit an application; however the Royal Chemical Society has not answered. The project proposal has been abandoned.

6.3.3.5 Project on particulate matter (R. Nolan, John Duffus) has been temporarily abandoned but is open for reconsideration at a later date.

6.3.3.6 The idea for a white book on susceptibility of children to chemicals and pharmaceuticals was presented. The project was regarded as very interesting and worthwhile and of high priority.

6.4 Interdivisional Projects

6.4.1 Project on Traceability (De Bièvre, Gunnar Nordin) A Kallner will be the liaison.

7. Future activities

7.1 IUPAC Congress, Ottawa 2003

At the 39th IUPAC General Assembly in Ottawa in August 10 -15, 2003 the Canadian Society for Chemistry organises the IUPAC Congress and a Symposium entitled, "International Symposium on Environmental Quality and Human Health in 21st Century- Progress through International Collaboration and Partnerships". It is a part of the Scientific Program of the 86th Conference of The Canadian Society for Chemistry which will be held concurrently with 39 IUPAC Congress during August 10-15, 2003. The following web site can be visited for additional information: http://www.nrc.ca/confserv/iupac2003/page1_e.html. Our division has been kindly invited by Dr. Afghan to actively participate in the proposed program with themes on Human Health reflecting current challenges and opportunities.

Dr. Kallner has responded to that request -assuming financial support from the organisers-, that Division VII would be happy to provide two workshops, on Herbal Medicine and Natural Substances (Nutraceuticals) and on Drinking Water and that the DC wants to play an active part in the deliberations and presentations. In his answer Dr. Afghan outlined financial matters requiring that the organisers of the symposia have to provide their own funding themselves including registration fees for the speakers. This new information is questioning the previously assumed participation, since neither the Division Committee nor the symposia chairmen see a possibility to get a faculty together without external funding. The Division Committee still considers participation an excellent opportunity and is very much in favour to see it accomplished. The Division VII President, Dr. Kallner, will contact the conference organiser and negotiate the conditions for chairs and invited speakers from academic institutions. If funding can be made available by the CSC, then Paul Erhardt shall chair a plenary session on Nutraceuticals and Birger Heinzow a session on Drinking Water with 3 – 4 invited speakers each.

note: In the post-meeting correspondence with Dr. Afghan, AK has recently clarified that very little funding can be made available by the CSC and because of that, Paul Erhardt now recommends that the Div. VII should not get involved with this program.

8.-Cooperation within IUPAC

The Division Committee is represented in the Committee on Chemistry Education [CCE] by M. Chorgade, the next meeting will be in Beijing in August 2002.

For the project Isotope MS (Div II) no cooperation can be provided by Div. VII.

Glossary of Terms of photodynamic therapy (Div. III) (Phillips) participation of our NR Prof. Nikolay Nifantiev from Russia has been established.

Post Genomic Chemistry no input can be provided.

Endocrine Active Substances Effectiveness of QSA and Endocrine Disruptors (Div. VI). This interesting project shall be given attention and was referred to the Subcommittee on Toxicology.

BH will offer participation in the review process of Pest Management for crops: (Nr.: 39/20-22) and of Agricultural Spray drift (Nr.: 39/23, 26) and contact the task group leaders.

9.-Cooperation with other Organisations

9.1 IFCC: At the forthcoming IFCC conference in Barcelona, IUPAC is sponsoring a meeting on reference intervals. The Subcommittee on NPU will continue with the joint projects.

9.2 ICSU (www.ICSU.org) and IUTOX and IUPHAR. Within the ICSU GRANTS PROGRAMME for 2003, Dr Paul Wright, Toxicology Key Centre, RMIT-University, Victoria, Australia. (Director on the Commission for Education, IUTOX) has proposed an On-line Toxicology Course for Developing Countries and seeks support from IUPAC. The on-line postgraduate course in

Toxicology will be delivered to specific educational institutes in developing countries and countries-in-transition in Asia, Africa, Europe, South America and Oceania. This proposal by IUTOX is in collaboration with the closely-related international scientific unions of IUPAC and IUPHAR. Practicing toxicologists often come to the discipline indirectly from diverse backgrounds, such as the chemical, biological, clinical or veterinary sciences, or from occupational and public health areas. IUPAC's continued collaboration is pertinent due to the importance of chemistry as a primary discipline underpinning general toxicological education, and its relevance to particular sub-disciplines (i.e. analytical toxicology). IUPAC has recently identified the need for toxicology education tailored for chemists by the production of web-based resources that follow on from the publication of their undergraduate textbook "Fundamental Toxicology for Chemists". This proposal to ICSU enables the student to obtain a formal postgraduate qualification in toxicology with the flexibility to explore local chemical-related issues. The project is endorsed by the Division Committee and should be supported by IUPAC within the ICSU grants deliberations. See also Section 6.2 Human Drug Metabolism Database within the minutes wherein this project involves ongoing collaborations with both the IUPHAR and the ICSU.

9.3 WHO: No formal co-operation is presently pursued and no other future prospects are visible.

9.4 The project proposal on "Curricula in Science and Research" was discussed between BH and Dr. Heidi Fiedler from UNEP in Bayreuth in April. Dr. Fiedler expressed her interest in such a project and offered support for distribution. Another topic discussed with Dr. Fiedler was to organize a special session or round-table activity on PCB exposure at the Dioxin Conference in 2003. The ADI for PCB has not been revisited since the 1980s and PCB are a (re-)emerging issue and risk exposure and risk assessment are timely. BH will keep Dr. Fiedler informed.

9.5 IUBG (Inter-Union Bioinformatics Group) . The document : "Longevity of databases" is very interesting and valuable with regard to the database projects of the Division. Some ideas might be adopted. ML was informed by TP and UF will bring it to the attention of his coworkers from the informatics field.

9.6 ISO A. Kallner is representing IUPAC Div VII by participating in a project on in-vitro diagnostic devices.

9.7 John Duffus has proposed to have the IUPAC Glossary on Toxicology reedited within the context of the EURO-Glossary of Environmental Health Terminology. Also linking it to the US-NIH (NIEHS) webpage is under consideration.

10. Finances

The finances of the Division are balanced and half of the budget has been spent leaving space for funding of up to 5 new projects in 2002/2003.

11. -Any other business

P Erhardt will be offering a short course about drug metabolism in Boston just before the next ACS meeting. He would appreciate assistance toward forwarding this information to appropriate contacts (medicinal chemists and drug metabolism investigators).

The next meeting of DivC VII was scheduled for the first or second weekend in Brussels (7th or 14th December)(alternative London). RC was asked to make provisional arrangements with the Club van de Universitaire Stichting.

Adjourned 18:00 hrs

Attachment1:

DIVISION OF CHEMISTRY AND HUMAN HEALTH (VII)

SUBCOMMITTEE ON TOXICOLOGY and RISK ASSESSMENT

Composition and Terms of Office:

- (i) Open to those members of Division VII and other chemists (who may be co-opted) who are interested in toxicology and risk assessment
- (ii) Activities for 2002-2003 to be chaired by J. H. Duffus or D. M. Templeton who will also invite the attendees.

Terms of Reference:

- (i) To coordinate projects that have been approved by the Division VII Committee and which relate to toxicology and risk assessment.
- (ii) To provide a forum for discussing the information content and progress of projects identified under (i) above.
- (iii) To provide a forum for initiating new project submissions in the subject area of toxicology that are considered to be suitable activities for Division VII.
- (iv) To provide the opportunity for coordination in both experimental and computational approaches to toxicology and risk assessment methods
- (v) To report to the Division VII President and the Division Committee on items (i) to (iii) above.
- (vi) To provide a connection with other organizations concerned with toxicology and risk assessment such as the International Union of Toxicology (IUTOX), the International Programme for Chemical Safety (IPCS), the World Health Organization (WHO), the Organization for Economic Cooperation and Development (OECD), the International Labour Organization (ILO), the International Union of Biochemistry and Molecular Biology (IUBMB), the International Union of Immunological Societies (IUIS), the International Union of Pharmacology (IUPHAR), the International Federation of Clinical Chemistry (IFCC), other national and international toxicology and clinical chemistry societies, and chemical industry health and safety groups.
- (vii) To provide an opportunity for IUPAC interaction with chemists in the Chemical Industry worldwide in the field of toxicology and risk assessment.
- (viii) To broaden the activities of the Division by providing opportunities for other organizations involved in toxicology to work together with Division VII members.
- (ix) To offer advice to the Division President and the Committee on matters concerning toxicology and risk assessment in all its aspects from the purely chemical to the protection of human health and the natural environment.

Meeting Venues: Meetings will normally be held biannually

Attachments 2



DCHH Letter.doc



Dear Mr.doc



Recipients.doc