



# International Union of Pure and Applied Chemistry

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## Chemistry and Human Health Division Commission VII.C.1: Nomenclature, Properties and Units

### Minutes of meeting, Prague September 29 – October 02, 2000

- 0.0 – **The meeting opened at 13:00 PM.** – Present for the opening of the meeting were the following titular members for the C-NPU (TM): Urban Forsum (UF) chairman of the C-NPU, Pedro Soares de Araujo (PSA) secretary of the C-NPU, Antonin Jabor (AJ) Gunnar Nordin (GN), René Dybkaer (RD) and Wolf R. Külpmann (WRK). Dr Joyce Carlson, a Molecular Biology expert from Sweden was also present. **The minutes from the Copenhagen meeting** – March 17-20, 2000 – were discussed and a few corrections were proposed. It was agreed that the future minutes might be discussed and approved by e-mail.
- 1.0 – **Member's reports** – UF communicated the recent series of publications in *Pure and Applied Chemistry* under the leadership of Henrik Olesen (HO). A discussion on what C-NPU members could do to acknowledge the importance of HO's contribution in the field of laboratory medicine lead to the consensus decision of obtaining a nomination for the IFCC International Services award for HO.
- 2.0 – **Revision of the ENV 1614 standard** – Under this topic the need to help the ENV standard revision was stressed in order to maintain C-NPU as a leading source for the concepts used in the standard. Considering the VIM and CEN timetables and the proposal by several groups of HL-7 as a "world standard" it was agreed that C-NPU members need to be more knowledgeable about HL-7. GN and UF should establish contacts with TC 251 offering C-NPU help for the revision. RD will also help discussing ENV 1614 within the VIM group.
- 3.0 – **Status report/Review of Projects** (abbreviations in bold indicate the project leader)
- 3.1 – Project 25/95. Properties and units in clinical molecular biology (**PSA** et al.) – A long and thorough discussion of the present draft of the manuscript was undertaken with the important participation of Dr. Joyce Carlson. A new structure for the entries in this document was agreed upon; two new kinds-of-properties will be used: *Allelic variant and Sequence*.
  - 3.2 – Project 27/95. C-NPU Internet Web site (**HO, UF** et al.) – UF informed that the C-NPU Web site will be moved to Lincköping and that it will be maintained. A meeting in the WHO headquarters in Geneva is scheduled for December 18. UF and AJ will participate at this meeting together with Anders Kallner, representing IUPAC, to review the proposal that WHO should host the C-NPU Web site.
  - 3.3 – Project 32/97. Properties and units for dynamic function tests (**AJ**) – The manuscript was discussed but it continues in stage 0. Several suggestions were presented to improve this manuscript.
  - 3.4 – Project 36/98. Concepts for requests in clinical laboratories (**UF** et al.) – This project was discussed under 4.1
  - 3.5 – Project 38/2000. Properties and units for Urinary Calculi (**AJ** et al.) – This project was reviewed and a few modifications were proposed for its conclusion.
  - 3.6 – Project 39/2000. Properties and units for Transfusion Medicine and Tissue Typing (**UF**) – UF reported on the progress of this project. A meeting of the working group took place in June 2000, in Stockholm with the participation of the Swedish Transfusion group and specialists in tissue typing.
- 4.0 – **Proposed topics for discussion** – The future of C-NPU projects was discussed in the light of the new project structure of IUPAC. All current projects will be submitted in the new project form for IUPAC internal review. External experts will also review new projects.
- 4.1 – **Headers** – GN and UF presented their contribution on the use of headers in C-NPU coding schemes. It was agreed that headers are an unending list of usefully related properties, which should not be used as requests. The use of headers was reviewed in the case of project 32/97.
- 5.0 – **Organizations: contacts and meetings** – UF reported on the Section meeting in Copenhagen (August 2000) during which the most prominent subject was the project driven era for IUPAC. C-NPU Web site and

the cooperation with other organizations like WHO was also considered during this meeting. UF was an invited speaker for the 13<sup>th</sup> Congress in Computing in clinical laboratories held in Milan, during which he delivered a presentation on the C-NPU coding system. RD reported on his activities in the JCGM-WG 1 (GUM) meeting in March 07-08, 2000, in the JCGM-WG 2 (VIM) in March 09-10,2000. He also presented a report on the activities of the ISO/TC 212 group during their meeting in September 2000. RD also commented on Klich's proposal for the establishment of a European database on reference materials as a IUPAC project. RD also reported that he offered to collaborate with this project.

6.0 – **New Projects** – No new projects were submitted during this C-NPU meeting

7.0 – **Recent Publications in Properties and Units**

Dybkaer R, Örnemark U, Uldall A, Richter W. Metrology in laboratory medicine – A necessity. *Accred. Qual. Assur.* 4: 349-351, 1999

Dybkaer R. From total allowable error via metrological traceability to uncertainty of measurement of the unbiased result. *Accred. Qual. Assur.* 4: 401-405, 1999

Dybkaer R. The katal approved for catalytic activity. *EQA News* 11: 160-161, 2000

Dybkaer R. Consultative Committee for Amount of Substance (CCQM) and metrological traceability in chemistry. *EQA News* 11: 168-169, 2000

Dybkaer R. The term 'chemon' instead of 'amount of substance' allows a succinct systematic terminology and harmonized equivalents in translation. *Metrologia* 37: 301-304, 2000

Dybkaer R. The special name 'katal' for the SI derived unit mole per second when expressing catalytic activity. *Metrologia*, *in press*.

Dybkaer R. Metrology in laboratory medicine – Reference measurement systems. *Accred. Qual. Assur.*, *in press*.

Fuentes-Arderiu X. Uncertainty of measurement in clinical laboratory medicine. *Clin. Chem.* 46: 1437-1438, 2000

International Bureau of Weights and Measures. The International System of Units. Supplement 2000: addenda and corrigenda to the 7<sup>th</sup> edition (1998). Sevres: BIPM 9 pp, 2000.

Burnett RW, Covington AK, Fogh-Andersen N, Külpmann WR, Lewenstam A, Mass AHJ, Müller-Plathe O, VanKessel AL, Zijlstra G. Use of Ion-selective electrodes for blood-electrolyte analysis. Recommendations for nomenclature, definitions and conventions. *Clin. Chem. Lab. Med.* 38: 363-370, 2000

Forsum U, Olesen H, Fredericksen W, Persson B. Properties and units in the clinical laboratory sciences VII. Properties and units in Clinical Microbiology. *Pure Appl. Chem.* 72:555-745, 2000

Olesen H, Ibsen I, Bruunshuus I, Kenny D, Dybkaer R, Fuentes-Arderiu X, Hill G, de Araujo PS, McDonald C. . Properties and units in the clinical laboratory sciences X. Properties and units in General Clinical Chemistry. *Pure Appl. Chem.* 72: 747-972, 2000

Olesen H, Cowan D, de la Torre R, Bruunshuus I, Rodhe M, Kenny D. . Properties and units in the clinical laboratory sciences XII. Properties and units in Clinical Pharmacology and Toxicology. *Pure Appl. Chem.* 72:479-552, 2000.

Bruunshuus I, poulsen LK, Olesen H. . Properties and units in the clinical laboratory sciences XVI. Properties and units in Clinical Allergology. *Pure Appl. Chem.* 72:1067-1205, 2000

8.0 – **Budget** – Discussion deferred

9.0 – **Membership** – Discussion deferred

10.0 – **Future meetings** – Next meeting will be in Dubrovnic, during the IFCC conference from 8 to 11 March 2001. The IUPAC General Assembly is scheduled for Brisbane, in Australia, during which C-NPU will meet from June 30 to July 2, 2001.

11.0 – **Other Business** – Discussion deferred.

12.0 – **Closing** – The meeting was closed at 13:00, October 2, 2000.