

IUPAC POLYMER DIVISION (IV)**Subcommittee on Polymer Terminology (SPT)****Minutes of the meeting held in Taipei, Taiwan (Leader Hotel)****24th to 27th June 2008**

Participants: Giuseppe Allegra, Taihyun Chang, Karl-Heinz Hellwich, Michael Hess, Roger Hiorns, Phil Hodge, Richard Jones (Chairman), Jaroslav Kahovec, Tatsuki Kitayama (Secretary), Pavel Kratochvíl, Przemyslaw Kubisa, Graeme Moad, Christopher Ober (President, Division IV), Stanislav Penczek, Claudio dos-Santos, Françoise Schué, Robert Stepto (26th -27th), Jean-Pierre Vairon, Jiri Vohlidal,

1. CHAIRMAN'S OPENING REMARKS**1.1 Welcome and Apologies**

The Chairman welcomed members and opened the Session. There were apologies from Alain Fradet, Jiasong He, Aubrey Jenkins, Kazuyuki Horie, Itaru Mita, Valdo Meille, Werner Mormann, Stanislaw Słomkowski, David Tabak, Michel Vert, William Work, Marguerite Rinaudo and Jung-Il Jin,

He also reported that: (1) Aubrey Jenkins is slowly but surely recovering from a chronic complaint affecting his mobility but it is hoped that he might rejoin SPT at the next meeting to be held in Glasgow, UK in 2009; (2) David Tabak had received financial allocation but nothing more had been heard from him; (3) Prof. Maximo Baron had fully retired from IUPAC so is no longer an active member but is accorded honorary membership of SPT.

1.2 Approval of the Minutes from the Torino Subcommittee Meeting

The minutes were accepted with only minor changes:

p.1 (formatting)

p. 8: the name in item 2007-008-1-400 ; the name should be corrected to read correctly: Bohumir **Valtr**

p.9 : the sentence under 2002-048-1-400, 3 lines from the bottom was corrected to read “--- to accord with this long-declared aim of SPT.”

The Chairman proposed that for the future, the provisional minutes should be uploaded on the SPT web-page prior to approval but marked as *PROVISIONAL*. Also, he suggested that the Division President might consider adopting the same procedure for the division minutes. Prof. Ober showed agreement.

1.3 Matters arising from/after the Torino Minutes

Nothing specific had to be noted.

1.4 IUPAC Developments

It was reported that new awards had been established as follows: (1) Polymer International - IUPAC Award; (2) DSM Performance Materials Award. These were in addition to the Samsung-IUPAC Young Scientist Award.

The new website of IUPAC was operational, but the chairman noted that it was not yet complete and that the old site was still active but no longer updated. The disorder arising from this situation should be kept in mind for a while.

1.5 Publications since Torino

(1) The project 2000-006-1-400 (Jones et al) *Definitions of terms relating to the structure and processing of sols, gels, networks and inorganic-organic hybrid materials* has been published in PAC in fall 2007, *Pure Appl. Chem.*, 79(10), 1801-1829, 2007

//Webpage download => <http://www.iupac.org/publications/pac/79/10/1801/>

(2) The project 2001-082-1-800 (Mormann et al) *Structure-based Nomenclature for Cyclic Organic Macromolecules* has become recently as a published document in 2008, *Pure Appl. Chem.*, 80(2), 201–232, 2008

//Webpage download => <http://www.iupac.org/publications/pac/80/2/0201/>

1.6 Upcoming publications

2002-048-1-400 *Compendium of Macromolecular Terminology and Nomenclature* (the 2nd edition of the so-called, Purple Book) (Hess, Jones, Kahovec, Kitayama, Metanomski, Stepto and Wilks) was accepted for publication by the Royal Society of Chemistry, two weeks before the meeting.

1.7 Timetable for the Taipei Meeting

Based on the agenda circulated by the Secretary prior to the meeting using the timetable of the Torino meeting as a guide, a preliminary timetable was established. However, dynamic adjustment according to the arrival of participants and the progress of the discussions resulted in the timetable that is attached as Appendix 1.

2. PROJECTS

2.1 Projects in the process of approval or recently approved

2008-020-1-400 *Revision of the Division IV web-based Terminology Guidelines* – Hodge

The Chairman explained the background of this proposal, that is, during the course of the editorial processes for the Purple Book, Jaroslav Kahovec had drawn to his attention the incompatibility of the IUPAC web-based document, ‘Guide for authors of papers and reports in polymer science and technology’, with other current IUPAC documents relevant to polymer nomenclature. The web-based document was promptly withdrawn and a proposal for its revision was prepared and submitted by Phil Hodge.

To date Prof. Hodge had received a few comments at the assessment stage and would respond to them soon. The anticipated starting date of this interdivisional project with Division VIII will be September 1, 2008, with the duration of 2 years.

2.2 Projects that have been submitted for ICTNS and public review

2002-016-1-400 *Terminology for Kinetics, Thermodynamics and Mechanisms of Polymerization* – Moad, Penczek

2002-017-1-400 *Polymerization Processes and Polymers in Dispersed Systems* – Słomkowski

2002-014-1-400 *Glossary of Class Names of Polymers Based on their Chemical Structure and Molecular Architecture* – Vohlidal (extended as **2006-005-1-400**)

These three documents are in the process of public review.

2008-022-1-400 *Dispersity* – Stepto

Prof. Stepto reported that he had received one additional comment from Tatsuki Kitayama to include molecular-weight dispersity in addition to molar-mass dispersity. Professor Kratochvil pointed out that ‘relative-molecular-mass’ is a synonym for ‘molecular-weight’ and that ‘relative-molecular-mass dispersity’ should also be included. The three terms would be listed as equally valid terms.

Action: Stepto

2002-006-1-400 *Terminology for Controlled Radical Polymerization* - Jenkins, Moad

The document had been revised through the efforts by Aubrey Jenkins and Graeme Moad with later input from Bob Stepto. Dr. Moad explained the title “*Terminology for Radical Polymerizations with Minimal Termination – Reversible Deactivation Radical Polymerization formerly called Controlled or Living Polymerization*”, which excludes the word “living” from the main part of the title. The chairman suggested the title be simple as possible and to contain reversible deactivation as a key concept. He called a vote for inclusion of “controlled” in the title, and the result was 10 – 4 in favour of inclusion with 1 abstention. The title is settled to be “*Terminology for Controlled Reversible Deactivation Radical Polymerization*”.

The principal feature of this type of polymerization was discussed by Penczek who claimed that the reduction of radical concentration is not the key issue but the substantial difference between life-time of radical and time of chain growth. The chairman asked the specialized WP members (Moad, Penczek, Stepto) to resolve the point. Hellwich claimed NMP (nitroxide-mediated polymerization) to be incorrect in terms of organic nomenclature. Nitroxide is a discouraged term for the approved name, aminoxyl. Since NMP has already been widely used and established, however, the term should be indicated as an alternative name but that it should also be noted as being discouraged. It was also noted that the approved nomenclature, “aminoxyl”, is already used in the definition of NMP so that the document does not ignore it. Many more changes that were suggested were noted within the document on-site by the chairman.

It was noted that Prof. Jenkins had asked the Chairman to take over his role as TGL until such time as his health had recovered.

Action: Moad, Jones (Jenkins)

2.3 Projects in the Final State of Preparation

2001-081-1-800 *Terminology and Structure-Based Nomenclature of Dendritic and Hyperbranched Polymers* - Kahovec

Jaroslav Kahovec reported that Professor Gerry Moss (Div. VIII chair) had asked that SPT representative members within Div. VIII should review this document. The Chairman identified Phil Hodge as the SPT representative member and the appropriate person to be assigned for reviewing. Thus, Prof. Kahovec was asked to inform Gerry Moss accordingly.

There had been minor comments from public review that had been considered. The revised version would be ready by the end of August and sent to the SPT-Chairman to forward it to Division VIII (Gerry Moss and Alan McNaught) for final approval and submission to ICTNS.

Action: Kahovec, Jones

2002-14-1-400 *Glossary of Class Names of Polymers Based on their Chemical Structure and Molecular Architecture* - Vohlidal (extended in **2006-005-1-400**)

There were only minor modifications after comments from public review. These have been considered. There is still some further input awaited from particular task group members. After this has been received and considered, at the end of August the final version will be submitted for the Chairman's approval and thereafter submitted to ICTNS for publication.

Action: Vohlidal, Jones

2.4 Projects in Preparation by Working Parties

410/22/93 *Guide to Polymer Terminology* - Wilks

No progress has been made other than that Ted Wilks has now provided the Chairman with the present content. After the PB2 task is complete, it is hoped that Profs. Jones and Stepto will find time to progress the project.

Action: Stepto, Jones.

2002-19-2-400 *Crystalline Polymers* - Allegra

The draft presented was prepared following the suggestions from the WP members and, in particular, detailed comments from Hess, Mormann and Kratochvil. Several new terms had been added (e.g., group symmetry, paracrystal model, adjacent entry, etc.) such that the total number of terms had expanded. The document would be re-drafted in accordance with IUPAC style guidelines. Kahovec declared his intention to check polymer names in the document, if any.

Actions: Allegra, Kahovec

2003-060-2-400 *Terminology on Separation of Macromolecules* - Chang

Chang had checked the compatibility of the definitions with existing definitions that appear in the Orange book and had found them to be the same as those in Gold Book. Some definitions given there are insufficient and need revision in this document, particularly those concerned with polymers. The importance of keeping contact with Div. V was recognized and. Kahovec proposed Wlodzimierz Kutner (Polish Academy of Sciences) as the best contact for this purpose.

Following a two year extension, the project was supposed to end by Dec. 31, 2007. According to the Torino minutes, Chang was asked to submit the extension proposal to Jones. Jones will check the e-mail record and make approval of submission.

Action: Chang

2004-43-1-400 *Terminology for Bio-related Polymers* - Vert

On behalf of Michel Vert who was indisposed, Francois Schué reported the current state of the document, showing section titles and the terms so far categorized.

Prof. Penczek recalled the history of the project, which started with three topic areas, biomacromolecules, biomedical polymers, and biodegradation and Prof. Vert, as WP leader, is attempting to cover all aspects of bio-related polymer terminology in order to maintain the

integrity of the document. However, 147 terms have already been collected and the document runs the risk of becoming so large as to be very difficult to organise. Karl-Heinz Hellvich recalled that Michel Vert had once mentioned the need for an interdisciplinary document which covers all areas of bio-related polymers. The Chairman read the relevant parts of the minutes from Ottawa, Bordeaux, and Beijing which indicated the original target of the project to be biomedical, and in the light of Prof. Penczek's observations suggested the present document was still maintained as a single document but rearranged into three sections of different aspect, i.e., biomedical (pharmacological, therapeutic), biomacromolecules, and biodegradation. For the last of these, Prof. Narayan would be consulted. After some more work on each section, the project could then be separated into three projects, thus giving rise to two new projects. The idea was welcomed by the President. Narayan's intention to contribute was asserted by Prof. Penczek who keeps personal contact with him. Prof. Penczek volunteered to contact Michel Vert to explain his idea and elaborate on the SPT discussion. The chairman approved this course of action.

Action: All WP members, Penczek, Vert

2005-05-1-400 *Terminology for Polymers in Solution* - Chang

WP members retired to discuss the latest draft of the document, which was a revision of an older Division IV document but which extended beyond dilute solutions. Prof. Chang then reported that substantial progress had been made and that the revised draft would be distributed to WP members by the end of September. Comments would be required by the end of the calendar year.

Action: WP, Chang

2006-043-1-400 *Terminology Relevant to the Self-Assembly of Macromolecules* – Ober & Jones

The TGLs had collected terms suggested by WP members and a new draft had been prepared. However, Chris Ober thought the document was not well-balanced as it leaned heavily in favor of terms taken directly from the liquid-crystalline polymers project. The difficulty of capturing definitions for common terms (e.g. microstructure, crystal) from the Gold Book or other documents was highlighted by this example. Some of the existing definitions are simply not appropriate in the context of this document and will need careful revision. The Chairman noted that the definitions that appear in the Gold Book could be modified if good reasons are presented. Otherwise, new definitions stated as being in the context of self-assembly, would be acceptable.

Encapsulation, fluorocarbons, ramification, knedel, etc., certainly need revision. Microgel, hydrogel, T-interaction, etc., were suggested as possible terms. Prof. Ober was asked to reshape the current document and deliver it to WP members. Jaroslav Kahovec said he would like to suggest some other new terms. WP members were asked to fill the gaps for undefined terms and those that need refining. By the end of September, WP members would send their recommended terms, definitions and any comments to Ober and Jones, and the revised draft would be sent to WP by the end of December.

The Chairman reminded everyone that each new draft should carry a version number.

Action: WP members

2006-04-1-400 *Abbreviations* - He, Tabak

Due to the absence of the project leader, Tatsuki Kitayama showed three draft versions, He's, Mita's, and Vohlidal's, and compared them. Vohlidal explained that his version does not add new items but reorganizes the content of He's version. Prof. Kratochvil favoured He's version which consists of one rule and several guidelines. The chairman said it was necessary to start the discussion based on He's version with his corrections based on agreement reached in the previous meeting. Ideas of Mita and Vohlidal could then be incorporated.

Some corrections were made such that -co- is preferred over -c-. With minor exceptions, such as poly(oxyethylene), which can be abbreviated to POM and is widely used, structure-based names are excluded from abbreviations since they have no appropriate source-based name.

Actions: He, Tabak

2007-028-1-400 *Field-Responsive Polymers - Schué*

It was reported that Francois Schué took over the leadership of this project at Torino. A revised draft was presented to the Subcommittee and it was agreed that many definitions needed to be written in IUPAC style. Prof. Ober claimed that several definitions such as that of 'bandwidth' are not satisfactory in this context and need revision. Prof. Kratochvil pointed out that 90 % of terms listed related to electronic matters and thus suggested the title would best be modified to Electro-magnetic-field Responsive Polymers. The need of very common terms such as block copolymer was questioned but Prof. Ober favors its retention for the benefit of outside readers. "Cardo polymer" needs a more specific definition. Several other terms were also discussed and corrected. Prof. Penczek proposed to have another project for terms relating to other responsive polymer than electro-magnetic-field responsive one. The idea was approved and the WP members are asked to review the scope of the project to focus on electro-magnetic-field responsive polymers and also to consider the possibility of setting-up another project in another category of responsivity. Terms in the current draft will be ordered alphabetically by Chris Ober.

Action: Ober, WP members

2006-41-1-400 *Definitions of Terms for Thermal and Thermomechanical Properties of Polymers - Hess*

The WP discussed the latest revised draft provided by Michael Hess and made further progress. Prof. Stepto had other comments and was asked to send these by August 1 to Dr. Hess. He would then distribute a new, corrected version.

Action: WP, Stepto, Hess

2007-008-1-400 *Multilingual Encyclopedia – Dos Santos*

Claudio dos Santos demonstrated the preliminary structure of the database consisting of an electronic dictionary that provides IUPAC approved definitions of terms and the corresponding translation of the term and the definition. A well-prepared model web-page was presented to show how it works. A simple version with 3 - 4 translated languages (possibly, Czech, French, Polish, Portuguese) would be prepared by Jan. 2009. Hellwich pointed out the need of mechanism of re-entry and Jones explained that the Gold Book has this mechanism. The chairman applauded the tremendous progress made by dos Santos.

Action: WP, dos-Santos

2008-015-1-400 *Preferred Names of Polymers* – Mormann

The Chairman reported that this project had been accepted following a rather short period as a Feasibility Study. At this stage Prof. Ober explained the budget situation of the Division and asked SPT member to consider more project submissions.

On behalf of Werner Mormann, Karl-Heinz Hellwich explained the background of this project and the need to establish guidelines for preferred names. He reported the expected processes of this project using a diagram; (1) collect names used in documents, (2) build relational database including the preference. For purposes of illustration, Dick Jones showed a small table which is included in PB2 and lists traditional names, structure-based names, and source-based names for several polymers. One of these, poly(ethane-1,2-diyl) for polyethylene listed as an alternative name for poly(methylene) provoked discussion. Since this was a digression, Dr. Kahovec and Prof. Jones agreed to solve the problem.

Action: Hellwich, Mormann

2.5 Interdivisional projects not listed elsewhere

1999-051-800 *Source-Based Nomenclature for Modified Polymer Molecules* - Kitayama

Tatsuki Kitayama outlined the present state of the document. The draft was discussed and shortened in parts. Some nomenclature corrections were suggested by Jaroslav Kahovec, particularly structure-based naming based on the latest organic nomenclature rules.

Since this project belongs to Div. VIII, after minor changes and a brush-up of the English by one of native English speakers in the Hodge) is complete, SPT will approve the changes and recommend to Div. VIII that the document can be submitted to ICTNS for publication.

Action: Kitayama, Hodge

2002-37-1-800 *Nomenclature for (macromolecular) Rotaxanes and Catenanes* - Vohlidal

Jiri Vohlidal reported the situation of the document and the progress made in the WP discussion. The project is still waiting for the completion of low MW rotaxane document, which is in the process of ICTNS review. This consists of two parts, the 1st of which has already been accepted but the 2nd has not. Dr. Hellwich reported that there are contradictory views and more time is needed to resolve them. A conclusion might be reached during the Div. VIII meeting to be held in July-August (K-HH will attend it and give information.) Prof. Vohlidal will send the revised version to the WP and Phil Hodge by the end of October.

Action: Vohlidal

2003-42-1-800 *Source-Based Nomenclature of Single-Strand Linear and Graft Polymers* - Kitayama

Tatsuki Kitayama reported the developments since the Torino-meeting and identified the problems that are left, amongst them a conflict between Rules 1 and 2 was identified. Generic nomenclature has not received much attention in the polymer community. In this document, that section is minimized by removing rules while retaining some examples referencing the original document. Condensation polymer names *via* hypothetical or implicit monomer present no problems. Monomer names should follow Organic Nomenclature. Use of parenthesis after poly was claimed ambiguous and WP met to address the problem and reached the conclusion as follows; The rule 3 has some deficiency. The source-based name of

a regular homopolymer is made by combining the prefix “poly” with the name of the monomer. The name of the monomer is parenthesized if it consists of more than one word, or it contains one or more locants or stereodescriptors, or ambiguity in meaning can arise.

Action: Kitayama

2.5 Feasibility Studies

Prof. Ober explained the budget situation of the Division and asked SPT member to consider more project submissions.

F-18 *Ultimate Mechanical Properties* - Hess

No substantial progress was reported owing to the difficulty of getting experts in polymer engineering. However, Michael Hess proposed that the study be returned to the list of Proposed Feasibility Studies until this problem is solved. The motion was approved as proposed.

Action: Kitayama

2.6 Proposed Feasibility Studies

After the observation of the above-mentioned change of FS to PFS, the chairman asked the members to submit a draft Project Application Form when a PFS is upgraded to FS. This would constitute a statement of the feasibility and thereby enable colleagues to reach a rapid conclusion as to the merit of a project.

PSF-3 *Elastic Properties of Polymers* - Hess, Stepto
The study is dormant for the time being.

PSF-7 *Stereochemical Notation in Polymers* - Hellwich

The project application has not yet been written and Karl Heinz Hellwich requested that the proposed starting date be put back to the end of 2009. The Chairman stressed the importance of this project and asked Dr. Hellwich to prepare the draft project application, including the names of possible WP members, to send it to him. He will then hold it until such time as Dr. Hellwich agrees to its submission. Prof. Vairon suggested that he could provide two or three names. However, the Torino minutes recorded the following names for the WP: Jones, Kahovec, Kitayama, Meille, Moad, Vert, and this number is deemed sufficient.

Action: Hellwich

PSF-8 *Structural Representation in Polymers* – Kahovec

Jaroslav Kahovec mentioned that the document on graphical representation has already been published (*Pure Appl. Chem.*, Vol. 80, No. 2, pp. 277–410, 2008. Webpage=<http://media.iupac.org/publications/pac/2008/pdf/8002x0277.pdf>), and that the PSF is now pointless. It was agreed that the study be removed from the list.

Action: Kitayama

PSF-9 *Nomenclature in Inorganic and Coordination Polymers* – Jones, Kahovec
No progress was reported since both of the proposed Task Group Leaders had been heavily involved with the reparation of the revised Purple Book. Given their other priorities it was accepted that the study will probably remain dormant for the time being.

Action: Jones, Kahovec

PSF-10 *Terminology and Nomenclature of Polymers in Nanotechnology* - Ober
With reference to a provisional Project Application Form, Chris Ober stressed the need for an organized terminology for *nano*-prefixed and *nano*-relevant terms which are evolving quite rapidly both in the academic and industrial arenas. He also pointed out the urgency of the action from the Polymer Division based on the observation that the Interdivisional Materials Chemistry Sub-committee in Division V had already proposed a similar activity but from a totally different aspect to ours. The proposal was approved as an interdivisional project with Division V and with WP members: Ober, Jones, Brambley, Goerg Michler (Halle Univ.), Moad, Schuè, Vohlidal. Prof. Vairon suggested that the Environmental Division be involved and Prof. Kratochvil added Human Health Division.

Action: Ober, Jones, Moad

PSF-11 *List of 'key words'* - Kubisa, Kahovec
Przemyslaw Kubisa distributed a list of proposed keywords obtained from the Wiley website. This consisted of more than 400 terms citing the relevance to IUPAC documents as well as other polymer journals.
The Chairman suggested the use of the IUPAC web-board for open discussion and suggested that Fabienne Meyers might help to gain access to the web-board. Prof. Penczek also suggested that *e-Polymers* might be of use for this purpose. Dr. Hiorns expressed his concern that use of this list might require copyright clearance. Prof. Penczek suggested utilizing J. Polym. Sci. and Polymer International editorial board meetings to be held during Macro 2008 to discuss the issue with Wiley representatives. The PI editorial board members within SPT (Schuè, Hiorns, Jones) were asked to take care of this issue.

Action: Schuè, Jones, Hiorns, Kubisa

PSF-12 *Basic Guidelines to Polymer Nomenclature* - Hiorns
With reference to the draft of the Application Form, Roger Hiorns reported the outline of the project. The proposal gained positive reactions, such that Prof. Penczek, as an Evaluation Committee member, supported the idea which is expected to gain a high profile for IUPAC activity within the polymer community and thereby to achieve a high citation rate. However, he had reservations the amount of new work involved. Possibilities for citation of the electronic version of the "Gold Book" as well as webpage links were also noticed. The challenging difficulties of the project completion were also discussed at some length but the proposal was approved. The Chairman suggested a three-year duration with a budget of 2000 USD per year. Many names of useful contact persons were suggested by SPT members; authors of major textbooks (Odiàn, Elias, etc.), ACS nomenclaturists (Metanomski, Wilks), journal editors (Ober, Peter Golitz (*Angew. Chem.*), Axel Müller), technical editors, editors or representatives of polymer organizations (Franz Stedler (Graz, Austria), EPF president). Many subcommittee members expressed interest in being TGMs, including Prof. Ober, as a journal editor, and Dr. Kahovec, as a nomenclature specialist. Prof. Kratochvil suggested to

using the booklet, "World Polymer Organization" made available by the Society of Polymer Science, Japan, in order to further disseminate the output.

In the light of the discussion, the draft application would be completed and submitted to Prof. Jones for approval prior to submission. Until such time the PFS would be promoted to a FS as F-19.

Action: Hiorns, Jones

3. ANY OTHER BUSINESS

3.1 Project Extensions

Based on the information projected on the screen, the extension of each project was discussed and confirmed.

SPT projects by budget & date as of May 2008

2002-006-2-400	Jenkins	6,950	7,000 (50) - 99%	31-Dec-2007
2002-014-1-400	Vohlidal	3,200	3,200 - 100%	30-Jun-2007
2002-017-1-400	Slomkowski	2,000	2,000 - 100%	31-Dec-2004
2003-019-2-400	Allegra	2,255	5,000 (2,745) - 45%	30-Sep-2008
2003-060-2-400	Chang	6,500	6,500 - 100%	31-Dec-2007
2004-043-1-400	Vert	3,829	10,000 (6,171) - 38%	1-Mar-2008
2004-044-2-400	He	4,860	6,000 (1,740) - 81%	1-Nov-2008
2005-005-2-400	Chang	5,510	6,000 (490) - 92%	31-Dec-2008
2005-007-1-400	Wilks (410/22/93)			31-Dec-2005
2005-043-2-400	Ober	5,198	6,000 (802) - 87%	1-Apr-2009
2006-004-1-400	He	4,010	6,000 (1,990) - 67%	1-May-2009
2006-028-1-400	Schué	1,849	6,000 (4,151) - 69%	1-Sep-2009
2006-041-1-400	Hess	2,807	6,000 (3,193) - 47%	31-Dec-2010
2007-008-1-400	dos Santos	2,705	5,000 (2,295) - 54%	1-Sep-2010
2008-015-1-400	Mormann	0	6,000 (6,000) - 0%	30-Jun-2011
1999-051-1-800	Kitayama	8,850	12,000 (3,150) - 74%	30-Jun-2009
2001-081-1-800	Kahovec	4,045	4,000 45 - 101%	31-Dec-2002
2001-082-1-800	Mormann	10,000	10,000 - 100%	31-Dec-2006
2003-042-1-800	Kitayama	4,865	6,300 (1,435) - 77%	1-Dec-2006
2007-009-1-800	Vohlidal -	6,500	(6,500) - 0%	31-Dec-2010

3.2 SPT Membership

For full details of SPT membership including those of provisional members, see Appendix 3:

Prof. G. Allegra	Prof. P. Kubisa
Prof. T. Chang	Prof. I. Mita
Dr. C. dos-Santos	Prof. S. Valdo Meille
Prof. A. Fradet	Dr. G. Moad
Prof. J. He	Prof. W. Mormann
Dr. M. Hess	Prof. C. Ober
Dr. K.-H. Hellwich	Prof. S. Penczek
Dr. R. C. Hiorns	Prof. F. Schué
Prof. P. Hodge	Prof. S. Słomkowski
Prof. K. Horie	Prof. R. F. T. Stepto
Prof. A. D. Jenkins	Prof. D. Tabak
Prof. J.-I. Jin	Prof. J.-P. Vairon
Prof. R. G. Jones (Chairman)	Prof. M. Vert
Dr. J. Kahovec	Prof. J. Vohlidal
Prof. T. Kitayama (Secretary)	
Prof. P. Kratochvíl	

Consultants, Associates and Honorary Members

Dr. E. S. Wilks	Prof. K. Hatada
Dr. W. V. Metanomski ¹	Prof. M. Baron
Dr. I. Meisel	Prof. V. Shibaev
Prof. E. Marechal	Dr. W. J. Work

3.3. Closing Remarks

Dick Jones expressed his thanks to the participants and all others who have helped to make good progress during the last year, thus enabling the Taipei meeting to be a success. He closed wishing members a safe journey home or on holiday, and looked forward to seeing as many as possible next year in Glasgow.

4. 2009 MEETING

The 2009 General Assembly will be held 31st July - 6th August in Glasgow, UK, and 42nd IUPAC Congress, 2nd – 7th August. The SPT meeting would normally be scheduled before the Division meeting.

¹ With deep regret and sadness it is here noted that Dr. Metonomski passed away in December 2008.

Appendix 1: SPT SCHEDULE – Taipei 2008

	Tuesday 24, June	Wednesday 25, June	Thursday 26, June	Friday 27, June
09:00-10:00	Welcome and Agenda	Abbreviations Biomedical (Therapeutic) Polymers	Dispersity Living & Controlled	
10:00-11:00	Web-based, Dendritic, Preferred names			
11:00-13:00				Self Assembly
13:00-14:30	Lunch Break	Lunch Break	Lunch Break	Lunch Break
14:30-15:30	Field Responsive	Crystalline Polymers Modified	Source-based Thermomechanical	Excursion National Museum Palace
16:00-17:00	Rotaxanes/Separations			
17:00-18:00	Multilingual		Solution properties	

Appendix 2: WORKING PARTIES
Projects and Working Parties by July 2008

PROJECTS	NAMES of Active Members
SUB-COMMITTEE PROJECTS	
410/22/93 <i>Guide to Terminology and Nomenclature</i>	WILKS , Baron, Fox, Hatada, Hess, Horie, Jenkins, Jin, Jones, Kahovec, Kratochvíl, Kubisa, Meisel, Penczek, Stepto, Work.
2002-006-2-400 <i>Living and Controlled Radical Polymerization</i> 2006-002-1-400 (ICTNS review)	JENKINS , Fukuda, Gilbert, Hess, Jones, Kratochvíl, Matyjaszewski, Moad, Penczek, Quirk (correspondent), Russell (correspondent), Stepto, Vairon, Vohlidal
2002-014-1-400 <i>Glossary of Class Names</i> 2006-005-1-400 (ICTNS review)	VOHLIDAL , Hess, Horie, Jones, Kahovec, Kratochvíl, Mormann, Stepto, Tabak, Wilks.
2002-016-1-400 <i>Terminology for Kinetics etc.</i> (ICTNS review)	PENCZEK, MOAD , Baron, Hatada, Hess, Jenkins, Kubisa, Maréchal, MOAD, Pepper, Schulze, Sigwalt, Stepto, Vohlidal, Kratochvíl, Vairon.
2002-017-1-400 <i>Polymers in Dispersed Systems</i> (ICTNS review)	SLOMKOWSKI , Stepto, Hess, Horie, Kubisa, Meisel, Penczek, Mormann, Gilbert
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F-19 formerly PSF-12 <i>Essentials of Polymer Nomenclature; Standardised Concise Guidelines for Authors of Manuscripts Intended for Publication in Polymer Journals</i> - (to be submitted for project)	Hiorns

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[F-18] <i>Ultimate Mechanical Properties</i> (stepped down from FS)	Hess, Stepto, He, Work.
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PSF-9 <i>Nomenclature in Inorganic and Coordination Polymers</i>	Jones, Kahovec
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PSF-11 <i>List of 'key words'</i>	Kubisa, Kahovec

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