



*International Association of Colloid
and Interface Scientists*

NEWSLETTER NO. 30

OCTOBER 1999

COMPILED BY J. LYKLEMA

INTERNATIONAL ASSOCIATION OF COLLOID AND INTERFACE SCIENTISTS

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1.1 ABOUT THE NEWSLETTER/FROM YOUR NEWS- LETTER EDITOR

The main purpose of the Newsletter is the same as that of IACIS, namely to promote international cooperation in colloid and interface science. It is hoped that through these letters colloid and interface scientists become better informed about forthcoming events, developments, and personal news from various countries.

So far, I have edited 30 Newsletters. The task is not too heavy and I receive much help from my secretary, Mrs. Wil Kleijne. Moreover, I am happy to add that many people around the world contribute by supplying items for the next NL. Please continue to keep me informed about relevant meetings, books and developments.

The conference agenda (item 6 of this NL) is not only meant to fill the travel agenda of IACIS members, but also to assist planners to look ahead and avoid overlap. Hence, please keep me posted, even if the plans are only provisional. I regret observing incidental clashes between different meetings. The confluence of conferences in the third week of September 1999 is an example. Apparently, different groups follow their own ways, oblivious of other activities. The question could be asked whether there is a need for coordination at a higher level. Please, also see the president's message in this connection, item 3.1.

NEWSLETTER NO. 30 CONTENTS

1	ABOUT THE NEWSLETTER / FROM YOUR NEWSLETTER EDITOR	1
2	STATUS OF THE NEWSLETTER / LIABILITY	2
3	IACIS NEWS	
3.1	Presidential Message	2
4	IACIS-SPONSORED MEETINGS	
4.1	International Conferences on Surface and Colloid Science	4
4.2	Other conferences sponsored or co-sponsored by IACIS	4
5	IUPAC NEWS	
5.1	News from Commission I.6	6
5.2	News from Commission VI.1	8
6	CONFERENCES 1999 2000 2001 and later	9 12 21
7	REGIONAL AND PERSONAL NEWS	
7.1	Personal News	25
7.2	International and Regional News	27
8	NEW JOURNALS AND BOOKS	
8.1	New Journals	27
8.2	Books 1997	28
8.3	Books 1998	28
8.4	Books 1999	30
9	NEWSLETTER IDEAS AND INFORMATION	34

2 STATUS OF THE NEWSLETTER, LIABILITY

The first two Newsletters (henceforth abbreviated as NL 1 and NL 2), dated September 1978 and July 1979 respectively, were written under the auspices of the IUPAC Commission on Surface and Colloid Science (Commission 1.6) before IACIS was formally established. Starting with NL-3 in June 1980 the Newsletters appear under IACIS auspices.

Parts of this NL may be copied provided the source is acknowledged. Although everything is verified to the best of our knowledge, errors may occur; IACIS cannot accept any responsibility for them.

Formal correspondence address: Prof.dr. Hans Lyklema, Newsletter Editor, Laboratory of Physical Chemistry and Colloid Science, Wageningen Agricultural University, P.O. Box 8038, NL-6700 EK Wageningen, The Netherlands, phone: +31 (Netherlands) - 317 (area code) - 482279 (extension), fax: +31-317-483777, e-mail: Hans.Lyklema@fenk.wau.nl.

3 IACIS NEWS

3.1 Presidential message

A year has passed since my first message in our newsletter, and I take the opportunity to report on what has transpired during this period. While our membership is being maintained at the slightly increased 1998 level, it is clear that we need to engage in a more structured and membership-wide effort than in the past. I and some other Members of Council have used professional meetings as opportunities to publicize the activities (and existence) of the IACIS both by the distribution of flyers and, when possible, oral or visual presentation. However, it has become clear that this is insufficient. Therefore, as a start, a copy of a one page flyer on IACIS will be enclosed with this newsletter. This flyer, which

will outline the activities of our Association, the benefits of membership and how to join, can be locally reproduced and used at meetings you attend and/or given or sent to your colleagues. I again call for ideas and suggestions for increasing IACIS membership. I realize the demands on the time of all of us, but urge you to take a moment while you are on the e-mail and send me your thoughts (mackay@clarkson.edu). A second point I raised last year was the advisability and practicality of IACIS functioning as a "clearing house" for the coordination of colloid and interface science - related meetings organized by the various professional societies. I have held discussions on this topic at meetings I have attended, as well as within the IACIS. The consensus is that some means of avoiding conflicting or topically-overlapping meetings in a given time frame is much to be desired, but no one can come up with a workable mechanism. This is partly due to the very different methods employed by the various organizations; e.g., the ACS Colloid Division, the ECIS, the GRC, the ESF, NATO, the DCG, the SCS, and the rest of the alphabet soup of societies involved in holding meetings and workshops. I must confess that when one gets past the initial grand idea and begins to discuss the details, the magnitude of the problem seems overwhelming, and perhaps it is. Nonetheless, I am personally not prepared to throw in the towel just yet, and again appeal for your help. So, while you are sending me that e-mail on membership ideas, include meeting coordination as well. I hope to see many of you at some scientific forum during the coming year, and urge you to do your best to participate in, or at least attend, the 10th IACIS International Conference on Surface and Colloid Science, 23-28 July 2000 in Bristol, U.K. My best wishes to all.

Ray Mackay

4 IACIS-SPONSORED MEETINGS

4.1 International Conferences on Surface and Colloid Science (under auspices of, and sponsored by IACIS)

History: 1st Conference, Budapest, Hungary, 1973
 2nd Conference, Puerto Rico, 1976
 3rd Conference, Stockholm, Sweden, 1979
 4th Conference, Jerusalem, Israel, 1981
 5th Conference, Potsdam NY, U.S.A., 1985
 6th Conference, Hakone, Japan, 1988
 7th Conference, Compiègne, France, 1991
 8th Conference, Adelaide, Australia, 1994
 9th Conference, Sofia, Bulgaria, 1997

Future: 10th Conference, Bristol, U.K., 2000, see page 16.

4.2 Other conferences sponsored or co-sponsored by IACIS

In addition to the large international conferences, IACIS has supported, and will support, smaller meetings, all of this in the framework of its credo. Here follows a list of sponsored smaller conferences:

- 1) September 1983 Paris (France) Physical Chemistry of Colloids and Interfaces: Biotechnology and Drug Research
- 2) June 1984 Lund (Sweden) 8th Scandinavian Symposium on Surface Chemistry with international participation
- 3) June 1984 Pittsburgh (U.S.A.) 58th Colloid and Surface Science Symposium ACS
- 4) May 1986 Zakopane (Poland) IX European Chemistry at Interfaces Conference
- 5) June - July 1986 Crveni Otok (Yugoslavia) 7th International Summer Conference on the Chemistry of Solid-Liquid Interfaces
- 6) September 1987 Eindhoven (Netherlands) Polymers in Colloidal Systems: Adsorption, Stability and Flow

- 7) May 1988 San Benedetto (Italy) X European Chemistry at Interfaces Conference
- 8) June 1989 Åbo/Turku (Finland) EUACHEM Workshop on Adsorption of Surfactants and Macromolecules from Solution, and 10th Scandinavian Symposium on Surface Chemistry
- 9) June 1990, Toronto (Canada) International Symposium on Contact Angles and Wetting Phenomena
- 10) November 1990, Moscow (Russia) International Conference on Surface Forces
- 11) June 1991, Bergen (Norway) 11th Scandinavian Symposium on Surface Chemistry, with international participation
- 12) June-July 1992, Lund (Sweden) XII European Chemistry at Interfaces Conference
- 13) August 1992, Moscow (Russia) 10th International Conference on Surface Forces
- 14) September 1992, London (U.K.), Colloids in the Aquatic Environment
- 15) May 1993, Louvain-la-Neuve, (Belgium) Bioadhesion II, International Conference on the Fundamental Aspects of Bioadhesion and Flocculation and their Implications in Technological, Ecological and Medical Fields
- 16) September 1993, Bristol (U.K.) Polymers at Interfaces
- 17) September 1993, Granada (Spain) Electrokinetic Phenomena '93
- 18) January 1994, Kona (Hawaii, U.S.A.) Surface Characterization of Adsorption and Interfacial Reactions
- 19) June 1994, Espoo (Finland) 12th Scandinavian Symposium on Surface Chemistry
- 20) September 1994, Kiev (Ukraine) XIIIth European Chemistry at Interfaces Conference
- 21) July 1995, Maratea (Italy) Nato Advanced Research Workshop on Fine Particle Science and Technology from Micro to Nanoparticles
- 22) March 1996, Crete (Greece) European Research Conference on Wetting and Capillarity
- 23) March 1996, Szeged (Hungary) Nanoparticles in Solids and Solutions (NATO Advanced Research Workshop)

- 24) June 1996, Moscow (Russia) 11th International Conference on Surface Forces
- 25) September 1996, Eger (Hungary) 7th Conference of Colloid Chemistry
- 26) September-October 1996, Rome (Italy) Electrokinetic Phenomena '96
- 27) October 1996, Antwerp (Belgium) XIV European Chemistry at Interfaces Conference
- 28) August 1997, Wageningen (The Netherlands) Interfaces Against Pollution
- 29) January 1998, Kona (Hawaii) Surface Characterization of Adsorption and Interfacial Reactions II
- 30) May 1998, Amalfi (Italy) Organisation in Polymer-Surfactant Systems
- 31) June 1998, Stockholm (Sweden) 12th International Symposium on Surfactants in Solution
- 32) October 1998, Moscow (Russia) International Conference on Colloid Chemistry and Physical-Chemical Mechanics
- 33) October 2000, Dresden (Germany) International Symposium on Electrokinetic Phenomena.

5 IUPAC NEWS

5.1 News from Commission I.6: Colloid and Surface Chemistry including Catalysis

Since the previous Newsletter there have not been many changes in the activities of Commission I.6, we have worked hard to make progress with the different projects and project proposals. At present two documents have reached a state that we would appreciate comments. For those who are interested to give such comments, please send me an e-mail. The documents are:

"Pillared clays and pillared layers" (Schoonheydt)

This project is focused on nomenclature and characterization and the document is close to its final form. At the moment it is out for review to the commission that keeps an open eye on

the consistency of the nomenclature. When it comes back from the Nomenclature Commission it still has to pass one general reviewing round. Therefore, the document is still open for suggestions and comments by possible users too.

"Nomenclature of structural and compositional characteristics of ordered microporous and mesoporous materials" (Engelhardt, Liebau, McCusker and Schüth)
This is the longest running project of the commission. At present a draft circulates that gives, in the view of project team and the chairman of I.6, a clear and rigorous way to distinguish the different ordered microporous and mesoporous inorganic solids, including zeolites. Any comments to this draft are welcome.

The activities of IUPAC and of Commission I.6 can also be found on Internet (<http://www.iupac.org>). Since the IUPAC Secretariat is running under supervision of Dr. John Jost several changes have been made. One important one with respect to communication about the work of IUPAC is the new Website of IUPAC. On this site you can find information on the structure and the activities of IUPAC. On the site of Commission I.6 you can find also the documents and recommendations published by our commission. Just give it a try! (<http://www.iupac.org/divisions/1/1.6/index.html>).

Wageningen, July 1999

Luuk Koopal
Chairman C. I.6
(Luuk.Koopal@fenk.wau.nl)

5.2 News from Commission VI.1 on Fundamental Environmental Chemistry

At the IUPAC General Assembly in Berlin (August 1999), the different activities of the commission were reviewed and evaluated. The progress with the book series on Analytical and Physical Chemistry of Environmental Systems (edited by J. Buffle and H.P. van Leeuwen) is as follows:

- volume 6, on "In-situ monitoring of aquatic systems; chemical analysis and speciation" (J. Buffle and G. Horvai vol. eds.) is in press;
- volume 7, on "Biogeochemistry of iron in seawater" (D.R. Turner and K. Hunter/SCOR vol. eds.) is ready to go to press;
- volume 8, on "Interactions between soil particles and microorganisms and their impact on the terrestrial environment" (P.M. Huang, N. Senesi and J.M. Bollag vol. eds.) is in the stage of preparation of the draft chapters;
- volume 9, on "Transport and kinetics at chemical-biological interphases: an environmental perspective" (R. Blust, A.J.B. Zehnder and H.P. van Leeuwen vol. eds.) is in the stage of soliciting contributors.

The commission decided to initiate two new book projects, i.e. one on Estuarine Particles, a new joint production with SCOR, with D.R. Turner as coordinator, and one on Particle-related Iron(II) Reactivity with L. Charlet as the coordinator. Members of the commission are also involved with an IUPAC document on "Guidelines for terms related to chemical speciation and fractionation of trace elements", coordinated by R. Cornelis and to be published in 2000.

Herman P. van Leeuwen
chairman (till 2000)

6 CONFERENCES

NOTE 1. If information is already given in a previous Newsletter, it will be repeated here, though under a different number.

NOTE 2. I have refrained from including commercial courses, realizing that the distinction between them and non-subsidized (either/or not advanced) courses is not always unambiguous.

NOTE 3. We cannot accept any responsibility for omissions or errors, although of course the information is checked to the best of our knowledge.

6.1 34th Annual Meeting of the Groupe Français de Rhéologie: Rhéologie des matériaux du vivant, 18-20 October 1999, Paris, France. Contact: phone: +33 (1) 4427-4007, fax: +33 (1) 4427-4335, e-mail: gfr@lbhp.jussieu.fr.

6.2 International Coatings Technology Conference, 18-22 October 1999, Dallas, U.S.A. Contact: Federation of Societies for Coatings Technology, 492 Norristown Road, Blue Bell, PA 19422-2350, U.S.A., phone: +1 (610) 940-0777, <http://www.coatingstech.org>.

6.3 European Coatings Conference: Coatings for Plastics, 20-21 October 1999, Berlin, Germany. Contact: K. A. Dorozalla, Vincentz Verlag, Schriffgraben 43, D-30175 Hannover, Germany, phone: +49 (511) 991-0271, fax: +49 (511) 991-0279, e-mail: dorozalla@coatings.de, <http://www.coatings.de>.

6.4 2nd International Symposium on Adhesion Measurement of Thin Films and Coatings, 25-27 October 1999, Newark, New Jersey, U.S.A. Contact: R.H. Lacombe, 3 Hammer Drive, Hopewell Junction, NY 12533, U.S.A., phone: +1 (914) 227-7026, fax: +1 (212) 656-1016, e-mail: rhlacombe@compuserve.com, <http://mstconf.com/adhmeas.htm>.

followed by:

6.5 International Symposium on Adhesion Aspects of Thin Films, 28-29 October 1999, Newark, New Jersey, U.S.A. Contact: R.H. Lacombe, see 6.4, <http://mstconf.com/adhfilm.htm>.

6.6 Applied Rheology for the Coatings Industry, 26-27 October 1999, Middlesex, U.K. Contact: H. Mehta, PRA, 8 Waldegrave Road, Teddington, Middlesex TW11 8LD, U.K., phone: +44 (181) 614-4815, fax: +44 (181) 943-4705, e-mail: h.mehta@pra.org.uk.

6.7 Journées du Groupe Formulation de la Société Française de Chimie, 27-28 October 1999, Villeneuve d'Ascq, France. Contact: J.-M. Aubry, Laboratoire d'Oxydation et de Formulation, ENSCL, P.O. Box 108, F-59652 Villeneuve d'Ascq cedex, France, phone/fax: +33 (3) 2033-6364, e-mail: aubry@pop.univ-lille.fr.

6.8 International Symposium on Separation of Proteins, Peptides and Polynucleotides ISPPP'99, 31 October - 3 November 1999, Delray Beach, Florida, U.S.A. Contact: J. Cunningham, Barr Enterprises, P.O. Box 279, Walkersville, MD 21793, U.S.A., phone: +1 (301) 898-3773, fax: +1 (301) 898-5596, <http://www.zorbax.com/isppp>.

6.9 Polymer Structure and Practical Properties, 8-10 November 1999, Basel, Switzerland. Contact: Programme Division Technomic Publishing AG, Missionsstrasse 44, CH-4055, Basel, Switzerland, phone: +41 (61) 381-5226, fax: +41 (61) 381-5259, e-mail: technomic@bluewin.ch, <http://www.techpub.com>.

6.10 International Symposium on Filtration and Separation of Fine Particle Suspensions, 10-12 November 1999, Vienna, Austria. Contact: G. Honigl, Austrian Chemical Society, Nibelungengasse 11/6, A-1010 Vienna, Austria, phone: +43 (1) 587-4249, fax: +43 (1) 587-8966, <http://edv1.vt.tuwien.ac.at/symp/symp.htm>.

6.11 3rd International Symposium on Colloid Chemistry in Oil Production ISCO'99, 14-17 November 1999, Huatulco, Oaxaca, Mexico. Contact: C. Lira-Galeana, e-mail: clira@www.imp.mx, <http://www.imp.mx/iscop>.

6.12 29th Symposium of the Groupe Français des Polymères: Les Matériaux polymères et leur mise en oeuvre, 23-25 November 1999, Nantes, France. Contact: G. Froyer, fax: +33 (2) 4037-3991, e-mail: gfp99@cnsr-imn.fr.

6.13 International Symposium on Polyamides and Other High Temperature Polymers: Synthesis, Characterization and Applications, 29 November - 1 December 1999, Newark, New Jersey, U.S.A. Contact: R.H. Lacombe, 3 Hammer Drive, Hopewell Junction, NY 12533, U.S.A., phone: +1 (914) 227-7026, fax: +1 (212) 656-1016, e-mail: rhlacombe@compuserve.com, <http://mstconf.com/polyimd.htm>.

6.14 7th International Symposium on Metallized Plastics: Fundamental and Applied Aspects, 2-3 December 1999, Newark, New Jersey, U.S.A. Contact: R.H. Lacombe, 3 Hammer Drive, Hopewell Junction, NY 12533, U.S.A., phone: +1 (914) 227-7026, fax: +1 (212) 656-1016, e-mail: rhlacombe@compuserve.com, <http://mstconf.com/metalpla.htm>.

6.15 Optical and Electrical Properties of Colloids (Christmas 1999 meeting of the Colloid and Interface Science Group of the Royal Society of Chemistry), 14 December 1999, London, U.K. Contact: D.K. Rodham, Zeneca Agrochemicals, Jealott's Hill International Research Centre, Bracknell, Berkshire, RG42 6ET, U.K., phone: +44 (1344) 414-324, fax: +44 (1344) 413-628, e-mail: David.Rodham@AGUK.Zeneca.com.

2000

6.16 **Annual Meeting and Industry Convention of the Soap & Detergent Association**, 26-30 January 2000, Boca Raton, Florida, U.S.A. Contact: R. Api, Soap & Detergent Association, 476 Park Avenue South, New York, NY 10016, U.S.A., phone: +1 (212) 725-1262, fax: +1 (212) 213-0685.

6.17 **219th ACS National Meeting**, 26-31 March 2000, San Francisco, U.S.A. The symposia of the *Division of Colloid and Surface Chemistry* include:

- Colloid and Surface Chemistry in the Service of the 21st Century Society (invited papers only)
- Semiconductor Surface Chemistry
- Surface Chemistry of Polymers and Organic Monolayers
- The Electrified Polymer/Solution Interface
- Interfacial and Electrokinetic Phenomena in BioMEMS Devices
- Polyelectrolyte Multilayers
- A Surface Chemistry Symposium in Honor of Professor Gabor A. Somorjai
- Emulsions - Fundamentals and Applications
- Catalysis for the Future (Catalysis Secretariat)
- Novel Catalyst Synthesis and Characterization Techniques (Catalysis Secretariat)
- Poster Session: Fundamentals of Colloid and Surface Chemistry
- Patterning, Functionalization and Reactivity of Complex Solid Surfaces.

Contact: R. Nagarajan, Department of Chemical Engineering, The Pennsylvania State University, 161 Fenske Laboratory, University Park, PA 16802, U.S.A., phone: +1 (814) 863-1973, fax: +1 (814) 865-7846, e-mail: rxn@psu.edu.

6.18 **2nd International Discussion Meeting on Functional Colloidal Systems - Interfaces with Function**, 29-31 March 2000, Potsdam, Germany. Contact: A. Pape, Conference Office, Max Planck Institute of Colloids and Interfaces Golm, D-14424 Potsdam, Germany, phone:

+49 (331) 567-9501, fax: +49 (331) 567-9502, e-mail: pape@mpikg-golm.mpg.de.

6.19 **2nd San Luis Symposium on Surfaces, Interfaces and Catalysis**, 3-6 April, followed by a **Summer School** on 7-8 April 2000, Mar del Plata, Argentina. Contact: in North America: Wilfred Tysoe at wtt@uwm.edu; in Latin America: Giorgio Zgrablich at giorgio@uns.edu.ar; in Europe: Richard Lambert at rml1@cam.ac.uk.
http://surface.chem.uwm.edu/conferences.html.

6.20 **8th World Filtration Congress**, 3-7 April 2000, Brighton, Sussex, England. Contact: D.B. Purchas, The Filtration Society, 48 Springfield Road, Horsham RH12 2PD, West Sussex, England, phone: +44 (1403) 257-594, fax: +44 (1403) 265-005, e-mail: Filtech.exhibition@internet.com.

6.21 **Adsorption to Interfaces**, 12-14 April 2000, Surrey, U.K. Research conference of the Colloid and Interface Science Group of the Faraday Division of the Royal Society of Chemistry. Contact: J.R. Lu, Department of Chemistry, University of Surrey, Guildford, GU2 5XH, U.K., phone: +44 (1483) 876831, fax: +44 (1483) 876851, e-mail: j.lu@surrey.ac.uk.

6.22 **MRS-Meeting on Interfaces, Adhesion and Processing in Polymer Systems**, 24-28 April 2000, San Francisco, U.S.A. Contact: S.H. Anastasiadis, University of Grete, Physics Department, P.O. Box 2208, 71003 Heraklion Crete, Greece, phone: +30 (81) 391-300, fax: +30 (81) 391-305, e-mail: spirosl@iesl.forth.gr.

6.23 **9th International Conference on Polymer Based Technology POC'2000**, 21-26 May 2000, Tianjin, China. Contact: Z. Zhengpu, Institute of Polymer Chemistry, Nankai University, 94 Weijin Road, Tianjin 300071, China, phone: +86 (22) 2350-1386, fax: +86 (22) 2350-4853, e-mail: zhangzp@sun.nankai.edu.cn.

6.24 **International Conference on Transport Processes in Inorganic Materials - Fundamentals to Devices**, 28 May - 2 June 2000, Venice (Jesolo Beach), Italy. Contact: CIMTEC-Transport Phenomena Conference, P.O. Box 174, 48018 Faenza, Italy, fax: +39 (546) 664-138.

6.25 **5th World Surfactants Congress CESIO 2000**, 29 May - 2 June 2000, Firenze, Italy. Contact: MGR - CESIO 2000, Via Servio Tullio 4, 20123 Milano, Italy, phone: +39 (2) 430-071, fax: +39 (2) 4800-8471, e-mail: cesio2000 @mgr.it.

6.26 **International Conference on Surfactants in Solution SIS-2000**, 11-16 June 2000, Gainesville, Florida, U.S.A. Contact: D.O. Shah, 425 Chemical Engineering, P.O. Box 116005, Gainesville, FL 32611-6005, U.S.A., phone: +1 (352) 392-0877, fax: +1 (352) 392-0127, e-mail: shah@che.ufl.edu.

6.27 **74th Colloid and Surface Science Symposium**, 19-21 June 2000, Bethlehem, Pennsylvania, U.S.A. Contact: M.S. El-Aasser, Polymer Interfaces Center, Lehigh University, 111 Research Drive, Bethlehem, PA 18015-4732, U.S.A., phone: +1 (610) 758-3590, fax: +1 (610) 758-5880, e-mail: mse0@lehigh.edu.

6.28 **8th International Conference on Flow Analysis**, 25-29 June 2000, Warsaw, Poland. Contact: M. Trojanowicz, Department of Chemistry, University of Warsaw, Pasteura 1, 02093 Warsaw, Poland, phone/fax: +48 (22) 822-3532, e-mail: trojan@chem.uw.edu.pl.

6.29 **Polyelectrolytes 2000**, 1-5 July 2000, Les Diablerets, Switzerland. Contact: M. Rinaudo, CERMAV-CNRS, P.O. Box 53, 38041 Grenoble cedex 9, France, fax: +33 (4) 7654-7203, e-mail: marguerite.rinaudo@cermav.cnrs.fr.

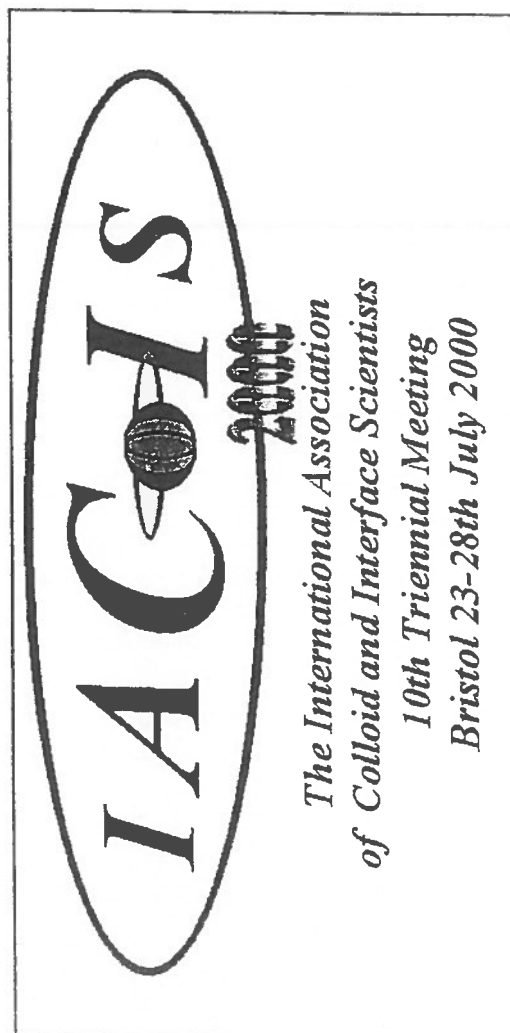
6.30 **Calorimetry and Thermal Effects in Catalysis**, 5-7 July 2000, Lyon, France. Contact: A. Auroux, Institut de Recherches sur la Catalyse, 2 avenue Einstein, 69626 Villeurbanne cedex, France, e-mail: ctec@catalyse.univ-lyon1.fr.

6.31 **38th IUPAC International Symposium on Macromolecules MACRO 2000**, 9-14 July 2000, Warsaw, Poland. Contact: S. Penczek, Polish Academy of Sciences, ul. Sienkiewicza 112, 90363 Lodz, Poland, phone: +48 (42) 819-815, fax: +48 (42) 684-7126, e-mail: spenczek@bilbo.cbmm.lodz.pl, or the IUPAC WPC 2000 Secretariat, fax: +48 (22) 660-7279, e-mail: IUPAC@ch.pw.edu.pl, http://www.ch.pw.edu.pl/macro2000.

6.32 **1st International Symposium on Reactive Polymers in Inhomogeneous Systems, in Melts and at Interfaces**, 16-19 July 2000, Dresden, Germany. Contact: H.-J. Adler, Institut für Makromolekulare Chemie und Textilchemie, TU Dresden, D-01062 Dresden, Germany, phone: +49 (351) 463-3782, fax: +49 (351) 463-7122, e-mail: hans-juergen.adler@chemie.tu-dresden.de, http://www.chm.tu-dresden.de/react2000.

6.33 **40th Microsymposium on Polymers in Medicine**, 17-20 July 2000, Prague, Czech Republic. Contact: J. Lukas, Institute of Macromolecular Chemistry, Academy of Sciences of the Czech Republic, Heyovskeho na. 2, 16206 Praha 6-Petriny, Czech Republic, phone: +42 (2) 360-341, fax: +42 (2) 367-981, e-mail: sympo@imc.cas.cz.

6.34 **10th International IACIS Conference on Surface and Colloid Science**, 23-28 July 2000, Bristol, U.K. See next page.



COMMITTEE

Chairman: Professor Terence Cosgrove (terence.cosgrove@bris.ac.uk)
 Co-Chair: Professor Brian Vincent (brian.vincent@bris.ac.uk)
 Secretary : Dr. Peter Griffiths (griffithspc@cardiff.ac.uk).

CONFERENCE

The organisation of the 10th IACIS meeting on Colloid and Interface Science is now well under way. Over 500 people have already registered their interest!! The meeting will be the next in a international series with the aim of bringing together scientists from a wide range of disciplines with a common interest in colloidal phenomena. The meeting will be of interest to colloid scientists working in Chemistry, Physics, Biology, Engineering, Pharmacy and Medicine. It will be equally relevant to industry and academia.

PROGRAMME

The meeting will be made up of four major themes with parallel sessions. Each day will begin with a plenary lecture and each session with a keynote speaker. Please contact the session organisers for specific information.

[A] Interfaces I/II

Robert Richardson*
 e-mail: robert.richardson@bris.ac.uk

[B] Colloidal dispersions I/II

Brian Vincent*
 e-mail: brian.vincent@bris.ac.uk

[C] Structured fluids I/II

Julian Eastoe*
 e-mail: julian.eastoe@bristol.ac.uk

[D] Biological applications

Jayne Lawrence**
 e-mail: jayne.lawrence@KC.AC.UK

*School of Chemistry, University of Bristol, Cantock's Close, Bristol BS8 1TS, U.K.

**Department of Pharmacy, King's College London, University of London, Manresa Road, London SW3 6LX, U.K.

PLENARY LECTURERS

Dr. Robert Thomas, University of Oxford, U.K.

Prof. Michael Klein, University of Pennsylvania, U.S.A.

Prof. Alice Gast, Stanford University, U.S.A.

Prof. David Trell, CALTECH, U.S.A.

Prof. V.A. Parsegian, NIH, Bethesda, U.S.A.

IACIS Lecturer: Prof. Hans Lyklema, Wageningen University, The Netherlands.

KEY NOTE SPEAKERS ACCEPTED SO FAR

Interfaces:

S. Mann (U.K.), F. Tiberg (Sweden), J. Penfold (U.K.), G. Fleer (The Netherlands), R. Richards (U.K.), P. Auroy (France), R. Miller (Germany), D. Andelman (Israel), H. Christenson (Australia), J. DeConinck (Belgium), B. Johansson (Sweden), I. Sogami (Japan), W. Ducker (U.S.A.), D. Exerova (Bulgaria), F. Rondalez (France).

Colloidal dispersions:

H. Lekkerkerker (The Netherlands), J.-P. Hansen (U.K.), D.C. Prieve (U.S.A.), L. White (U.S.A.), R. Horne (Australia), N. Ise (Japan), W. Russel (U.S.A.), J. Melrose (U.K.), J. Bibette (France), P. Fletcher (U.K.), F. Grieser (Australia), R. Gilbert (Australia), A. Philipse (The Netherlands), H. Möhwald (Germany), I. Dekany (Hungary), P.N. Pusey (U.K.), R. O'Brien (Australia), T. van de Ven (Canada), M. Trau (Australia).

Structured fluids:

E. Kaler (U.S.A.), W. von Rybinski (Germany), R. Zana (France), R. Strey (Germany), B. Lindman (Sweden), C. Price (U.K.), A. Hatton (U.S.A.), J. Seddon (U.K.), H. Hoffman (Germany), D. Blankschtein (U.S.A.), S. Safran (Israel).

Biological applications:

H. Ringsdorf, (Germany), F. Separovic (Australia), D. Barlow (U.K.), G. Lee (U.S.A.), D. Needham (U.S.A.).

VENUE AND REGISTRATION

The conference will be held in the University of Bristol and accommodation will be available both in hotels and in student residences. The number of delegates will be limited to 1,100 so early booking is essential. There will be substantial savings for early registration.

The organisation of the meeting is being coordinated by the company 'In Any Event UK' who will deal with any enquiries

and provide any information delegates need regarding the conference:

Sara Hassen,
In Any Event U.K.,
1 Riverside, St.Anne's Road,
Bristol BS4 4ED, United Kingdom
e-mail: enquiries@inanyevent-uk.com
phone: +44 (0) 117 9779477
fax: +44 (0) 117 9724345

Updated information is available on the IACIS web site www.chm.bris.ac.uk/iacis2000. On line registration will also be available with instant access to booking details.

www.chm.bris.ac.uk/iacis2000

6.35 9th International Symposium on Solubility Phenomena (9th ISSP), 25-28 July 2000, Hammamet, Tunisia. Contact: N. Kbir-Arighuib, National Institute for Scientific and Technical Research, P.O. Box 95, Hamman-Lif, 2050 Tunisia, phone: +216 (1) 430-215, fax: +216 (1) 430-934, e-mail: arighuib@planet.tn.

6.36 16th IUPAC Conference on Chemical Thermodynamics, 6-11 August 2000, Halifax, Nova Scotia, Canada. Contact: M.A. White, Department of Chemistry, Dalhousie University, Halifax, Nova Scotia B3H 4J3, Canada, phone/fax: +1 (902) 494-3894, e-mail: Mary.Anne.White@DAL.CA.

6.37 220th ACS National Meeting, 20-24 August 2000, Washington DC, U.S.A. The symposia of the Division of Colloid and Surface Chemistry include:

- Computer Simulation in Electrochemistry
- Surfactive Agents, Corrosion Inhibitors, Demulsifiers
- Poster Session: Fundamentals of Colloid and Surface Chemistry.

Contact: R. Nagarajan, Department of Chemical Engineering, The Pennsylvania State University, 161 Fenske Laboratory, University Park, PA 16802, U.S.A., phone: +1 (814) 863-1973, fax: +1 (814) 865-7846, e-mail: rxn@psu.edu.

6.38 **13th International Congress on Rheology**, 20-25 August 2000, Cambridge, U.K. Contact: D.M. Binding, Department of Mathematics, University of Wales, Aberystwyth SY23 3BZ, Wales, U.K., phone: +44 (1970) 622-775, fax: +44 (1970) 622-777, e-mail: rheology2000@aber.ac.uk, <http://abbey4.swan.ac.uk/rheology2000/>.

6.39 **International Conference on Organized Molecular Films ICOMF/LB9**, 28 August - 1 September 2000, Potsdam, Germany. Contact: H. Möhwald, Max-Planck-Institut für Kolloid- und Grenzflächenforschung, Rudower Chaussee 5, D-12489 Berlin, Germany, phone: +49 (30) 6392-3102, fax: +49 (30) 6392-3102, e-mail: moehwald@mpikg.fta-berlin.de.

6.40 **Electron Excited states at Surfaces** (Faraday Discussion 117 of the Royal Society of Chemistry), September 2000, Stanford Hall, near Loughborough, U.K. Contact: S. Riaz, The Royal Society of Chemistry, Burlington House, Piccadilly, London W1V 0BN, U.K., phone: +44 (171) 437-8656, fax: +44 (171) 734-1227, e-mail: Riaz@rsc.org, <http://www.rsc.org/is/journals/current/faraday/fadmeet/htm>.

6.41 **The Rheological Aspects of Surfactant-Based Systems**, 18-19 September 2000, Durham, U.K. Organised by the Colloid and Interface Science Group of the Faraday Division of the Royal Society of Chemistry and the British Society of Rheology. Contact: R. Ettelaie, Colloid Interface and Rheology Group, ICI Wilton Centre, P.O. Box 90, Wilton, Middlesbrough, Cleveland, TS90 8JE, U.K., phone: +44 (1642) 437-882, fax: +44 (1642) 437-344, e-mail: rammile-ettelaie@ici.com.

6.42 **14th Conference of the European Colloid and Interface Society ECIS'2000**, 3rd week of September 2000, near Patras, Greece. Contact: A. Xenakis, Institute of Biological Research, The National Hellenic Research Foundation, 48 Vas. Constantinou Avenue, 11635 Athens, Greece, phone: +30 (1) 723-9965, e-mail: ARISX@EIE.GR.

6.43 **3rd International Conference on Adsorption and Nanostructures - from Theory to Application**, 25-28 September 2000, Budapest, Hungary. Organised by the Deutsche Kolloidgesellschaft e.V., together with the Colloid Science Division of the Hungarian Chemical Society and the Colloid Committee of the Hungarian Academy of Sciences. Contact: I. Dekany, Department of Colloid Chemistry, University of Szeged, H-6720 Szeged, Aradi V.t.1. Hungary, fax: +36 (62) 425-646, e-mail: i.dekany@chem.u-szeged.hu, <http://www.u-szeged.hu/coll2000>.

6.44 **International Symposium on Electrokinetic Phenomena ELKIN 2000**, 3-6 October 2000, Dresden, Germany. IACIS sponsored. Contact: Institut für Polymerforschung Dresden e.V., ELKIN 2000, P.O. Box 120 411, 01005 Dresden, Germany, phone: +49 (351) 465-8282, fax: +49 (351) 465-8214, e-mail: wustrack@ipfdd.de, <http://ipfdd.de/elkin>.

6.45 **AOCs/JOCS 2000**, 22-27 October 2000, Kyoto City, Japan. Joint meeting of the American Oil Chemists' Society and Japanese Oil Chemists' Society. Contact: Japanese Oil Chemists' Society, fax: +81 (3) 3271-7464, e-mail: yukagaku@blue.ocn.ne.jp, <http://www.soc.nacsis.ac.jp/jocs>.

Preview 2001 and later

6.46 **Gordon Conference 2001**. Contact: Do Ik Lee, Design Latex and Resins, Dow Chemical U.S.A., 1604 Building, Midland, MI 48674, U.S.A., phone: +1 (517) 636-2460, fax: +1 (517) 638-6365, e-mail: dillee@dow.com.

6.47 **221st ACS National Meeting**, 1-5 April 2001, San Diego, California, U.S.A. The symposia of the Division of Colloid and Surface Chemistry include:

- Epitaxial Thin-Films
- Molecular Tribology
- Dynamics of Self-Organization of Amphiphiles and Colloids
- Poster Session: Fundamentals of Colloid and Surface Chemistry.

Contact: R. Nagarajan, Department of Chemical Engineering, The Pennsylvania State University, 161 Fenske Laboratory, University Park, PA 16802, U.S.A., phone: +1 (814) 863-1973, fax: +1 (814) 865-7846, e-mail: rxn@psu.edu.

6.48 75th ACS Colloid and Surface Science Symposium, 10-13 June 2001, Pittsburgh, Pennsylvania, U.S.A. Contact: S. Garoff, Department of Physics, Carnegie Mellon University, Pittsburgh, PA 15213, U.S.A., phone: +1 (412) 268-6877, fax: +1 (412) 681-0648, e-mail: sg2e@andrew.cmu.edu, or R.D. Tilton, Department of Chemical Engineering, Colloids, Polymers and Surfaces Program, Carnegie Mellon University, Pittsburgh, PA 15213, U.S.A., phone: +1 (412) 268-1159, fax: +1 (412) 268-7139, e-mail: tilton@andrew.cmu.edu.

6.49 16th ECIC European Chemistry at Interfaces Conference, provisionally last week of June 2001, Helsinki, Finland. Contact: P. Stenius, Helsinki University of Technology, Department of Forest Products Technology, Vuorimiehentie 1A, SF-02150 Espoo, Finland, phone: +358 (9) 451-4233, fax: +358 (9) 451-4259, e-mail: per.stenius@hut.fi.

6.50 222nd ACS National Meeting, 26-30 August 2001, Chicago, Illinois, U.S.A. The symposia of the Division of Colloid and Surface Chemistry include:

- Foams, Gels and Self-Assembled Films
- International Symposium on Interfacial Electron Transfer
- Combinatorial Approaches to Materials Research
- Poster Session: Fundamentals of Colloid and Surface Chemistry.

Contact: R. Nagarajan, Department of Chemical Engineering, The Pennsylvania State University, 161 Fenske Laboratory, University Park, PA 16802, U.S.A., phone: +1 (814) 863-1973, fax: +1 (814) 865-7846, e-mail: rxn@psu.edu.

6.51 IUPAC General Assembly and Congress, provisionally 29 June - 7 July 2001, Brisbane, Australia. Contact: IUPAC Secretariat, phone: +1 (919) 485-8700, fax: +1 (919) 485-8706, e-mail: secretariat@iupac.org.

6.52 15th Conference of the European Colloid and Interface Society ECIS'2001, September 2001, Portugal. Contact: H. Hoffmann, Universität Bayreuth, Lehrstuhl für Physikalische Chemie, P.O. Box 3008, D-8580 Bayreuth, Germany, phone: +49 (921) 552-760, fax: +49 (921) 552-780, e-mail: heinz.hoffmann@uni-bayreuth.de.

6.53 The Dynamic Electrode Surface (Faraday Discussion 121 of the Royal Society of Chemistry), April 2002, Berlin, Germany. Contact: S. Riaz, The Royal Society of Chemistry, Burlington House, Piccadilly, London W1V 0BN, U.K., phone: +44 (171) 437-8656, fax: +44 (171) 734-1227, e-mail: Riazs@rsc.org, <http://www.rsc.org/ls/journals/current/faraday/fadmeet/htm>.

6.54 223rd ACS National Meeting, 7-12 April 2002, Orlando, Florida, U.S.A. The symposia of the Division of Colloid and Surface Chemistry include:

- Electrocatalysis and Fuel Cells
- Poster Session: Fundamentals of Colloid and Surface Chemistry.

Contact: R. Nagarajan, Department of Chemical Engineering, The Pennsylvania State University, 161 Fenske Laboratory, University Park, PA 16802, U.S.A., phone: +1 (814) 863-1973, fax: +1 (814) 865-7846, e-mail: rxn@psu.edu.

6.55 Particle-Particle Interaction (Faraday Discussion of the Royal Society of Chemistry; continuation of the 12-yearly Discussion on Colloid Stability), April or September 2002, Edinburgh, U.K. Contact: S. Riaz, The Royal Society of Chemistry, Burlington House, Piccadilly, London W1V 0BN, U.K., phone: +44 (171) 437-8656, fax: +44 (171) 734-1227, e-mail: Riazs@rsc.org, <http://www.rsc.org/ls/journals/current/faraday/fadmeet/htm>.

6.56 **12th International Conference on Surface Forces dedicated to the centennial of the birthday of B.V. Derjaguin**, July 2002, Moscow, Russia. Contact: N.V. Churaev, Academy of Sciences, Institute for Physical Chemistry, Leninski Prospekt 31, Moscow B-312, Russia, phone: +7 (095) 955-4628, fax: +7 (095) 952-5308, e-mail: churaev@lmm.psyche.msk.su.

6.57 **Gordon Conference on Polymer Colloids and Heterophase Polymerizations**, 14-19 July 2002 (titles and dates tentative), Europe. Contact: K. Tauer, Max-Planck-Institut für Kolloid- und Grenzflächenforschung, Kantstrasse 55, D-14513 Teltow, Germany, phone: +49 (332) 846-258, fax: +49 (332) 846-255, e-mail: kttau@mpikg-teltow.mpg.de.

6.58 ACS National Meetings

224th 8-13 September 2002, Boston, Massachusetts
 225th 23-28 March 2003, New Orleans, Louisiana
 226th 7-12 September 2003, New York, New York
 227th 28 March - 2 April 2004, Anaheim, California
 228th 22-27 August 2004, Philadelphia, Pennsylvania
 229th 13-18 March 2005, San Diego, California
 230th 28 August - 2 September 2005, Washington DC
 231st 26-31 March 2006, Atlanta, Georgia
 232nd 10-15 September 2006, San Francisco, California
 233rd 25-30 March 2007, Chicago, Illinois
 234th 19-24 August 2007, Boston, Massachusetts.

7 REGIONAL AND PERSONAL NEWS

7.1 Personal News

Obituary for Karol J. Mysels

In October 1998 Karol J. Mysels died in his home town La Jolla, California.

He was one of the "Grand Old Men" of Colloid Science in the 20th century and was indirectly involved in the creation of this Newsletter. Your Editor has had the pleasure of working with him on several occasions, including a period, as long ago as 1961/62, as a visiting associate professor, and later, in the framework of IUPAC's Commission I.6 on Surface and Colloid Science, with "and Catalysis" added later. In one of the forthcoming issues of Langmuir you will find a brief obituary by Piet Scholten and myself on how it was to work with him and one by Arth Adamson on Karol Mysels contributions to the ACS and to the inception of Langmuir.

Here I will therefore restrict myself to a few words on his activities in "our" IUPAC Commission. For several years he was secretary and chairman and he did not take those jobs lightly. He felt a responsibility for the international codification of terms and in presenting definitions he wanted them to be clear, without compromise or qualification. It is hardly a surprise that this often led to lengthy discussions. In his own words, when he bribed me into taking his jobs after finishing his term: "It is a challenge to write down precisely what you think you understand."

In the nineteen seventies, the IUPAC Commission was the only international vehicle that was able to represent surface and colloid scientists world-wide. However, a Commission such as I.6 with only a limited number of co-opted members and no means of presenting itself to the outer world could not function as such a forum. Mysels, and others with him, strongly felt the necessity of international co-operation. Eventually this led to the founding of IACIS. Once I wanted to surprise him by drafting the first Newsletter of Commission

I.6 - he was immediately enthusiastic - and later this Newsletter was continued under the auspices of IACIS.

Mysels was a quick and original scientist. He liked "tinkering" in the lab, sometimes inventing fantastic experiments with cheap materials bought for a mere trifle in a "nickel-and-dime" store. When I started working with him, the first thing he did was to give me a copy of his book on soap films with the words "This is my book; don't read it but come with me to the lab and I shall show you how to make soap films". He assigned a special meaning to terms like "bubble saloon", "donut-cell" (at that time nobody except Americans knew what a donut was) and "gothic arc surface rheology". With respect to their stability colloids were classified in categories including "caducous" and "diuturnal" colloids.

For those who had the pleasure of working with him, becoming inspired by his wit and friendship, and the hospitality offered by him and his wife Estella, the fond memories will last. We thank him for what he has done and for what he was.

Hans Lyklema

Dennis C. Prieve, Gulf Professor of Chemical Engineering at Carnegie Mellon University, Pittsburgh, Pennsylvania, U.S.A., was appointed Editor of Colloids and Surfaces A: Physicochemical Engineering Aspects.

Frank M. Tiller and his team, Department of Chemical Engineering, University of Houston, is launching a drive to establish a Center for Fluid/Particle Processing and Separation. It will be closely integrated with industry and will consist of academic researchers and industry consultants.

7.2 International and Regional News

U.S.A.

The Officers of the **Colloid and Surface Chemistry Division of the American Chemical Society** for 1999 are Barbara Knight Warren, Chairman, Alice P. Gast, Chair-elect, Arthur T. Hubbard, vice-chairman, and Stacy Bike, Newsletter Editor. Secretary is Tina Ninoff, Sandia National Laboratories, Catalysis and Chemical Technologies Department, 1845, P.O. Box 5800, MS 0710, Albuquerque, NM 87185-0710, phone: +1 (505) 844-0340, fax: +1 (505) 845-9500, e-mail: tmnenof@sandia.gov.

8 NEW JOURNALS AND BOOKS

The main purpose of the following list is to inform IACIS members on new titles in the field of colloid and surface science. Mentioning of a given title is not a guarantee of its quality. Details can only be given if this information has been made available. Suitable titles for forthcoming Newsletters can be sent to the editor of this Newsletter.

8.1 New journals

Journal of Nanoparticle Research, M.C. Roco, editor-in-chief, Kluwer, ISSN 1388-0764, Vol. 1 (four issues), paper version or on-line version: Dfl.525/US\$262.50; combined Dfl.630/US\$315. Paper version for individuals only: Dfl.160/US\$80. Further information: <http://www.wkap.nl/journals/nano>.

Plasma & Ions, a new journal in the science and technology of charged particle systems. Y. Ito, M.-L. Saboungi and M. Tosi, eds., Elsevier, ISSN 1288-3255. Vol. 2 (four issues) in France FF1450, in Europa FF1532, in North, South and Central

America US\$300, Rest of the world FF1775. Further information: <http://www.elsevier.fr> or www.elsevier.nl.

PhysChemComm, a new electronic journal covering physical chemistry and its borders with biology, physics and materials science. P. Alvisatos, G. Fleming, P. Madden, eds., the Royal Society of Chemistry, ISSN 1460-2733. 1999 subscription, including site-wide institutional online access, £200/US\$353. More information on <http://www.rsc.org/physcc>.

8.2 Books 1997

Rusanov A.I., **Micellization in surfactant solutions** (Chemistry Reviews 22/1), Harwood Academic Publishers, Amsterdam.

8.3 Books 1998

Ando T., Arakawa Y., Furuya K., Komiyama S., Nakashima H., eds., **Mesoscopic physics and electronics**, Springer, DM110/£42.50, ISBN 3-5406-3587-4.

Bartsch R.A., Maeda M., eds., **Molecular and ionic recognition with imprinted polymers** (ACS Symposium Series 703), American Chemical Society/Oxford University Press, US\$105.

Binkley E.R., Binkley R.W., eds., **Carbohydrate photochemistry**, American Chemical Society/Oxford University Press, US125/£84.95.

Brown R., ed., **Handbook of polymer testing** (Plastics Engineering Series 50), Marcel Dekker, US\$225, ISBN 0-8247-0171-2.

Cheremisinoff N.P., ed., **Advanced polymer processing operations**, Noyes Publications, 369 Fairview Ave., Westwood NJ 07675, U.S.A., US\$56.

Chong T.C.M., **Functional polyolefins**, World Scientific, UD\$38/£26, ISBN 1-8609-4075-7.

Frank C.W., ed., **Organic thin films: structure and applications** (ACS Symposium Series 695), American Chemical Society/Oxford University Press, US\$135.

Gupta R., Kumar A., **Polymer engineering**, McGrawHill, £22.99, ISBN 0-0711-5305-5.

Guth W., Jung B., Meisel I., Spiegel G., eds., **Ionic polymerization** (Macromolecular Symposia 132), Wiley-VCH, ISBN 3-527-29800-2.

Guth W., Jung B., Meisel I., Spiegel G., eds., **Recycling of polymers** (Macromolecular Symposia 135), Wiley-VCH, ISBN 3-527-29803-7.

Hommel H., ed., **Polymers and surfaces: a versatile combination**, Research Signpost, T.C. 36/248(1), Trivandrum 695 008, India, US\$70, ISBN 8-1864-8163-X.

Howard A.G., **Aquatic environmental chemistry**, Oxford University Press, £5.99, ISBN 0-198-50283-4.

Ito H. et al., **Micro- and nanopatterning polymers** (ACS Symposium Series 706), American Chemical Society/Oxford University Press, US\$120.

Kuhn H., Försterling H-D., **Principles of physical chemistry**, Wiley Interscience, paperback £24.95, ISBN 0-4719-6541-3, hardbound £60.00, ISBN 0-4719-5902-2.

Mittal K.L., ed., **Metallized plastics 5&6: Fundamental and applied aspects**, VSP, DM154/US\$97/£61, ISBN 9-0676-4290-8.

Nakayama Y., Boucher R., **Introduction to fluid mechanics**, Arnold London, £16.99, ISBN 0-3406-7649-3.

Rettori A., Pescia D., eds., **Fundamental aspects of thin film magnetism**, World Scientific, UD\$76/£52, ISBN 9-8102-2309-9.

Rothschild W.G., **Fractals in chemistry**, Wiley, £45.50, ISBN 0-4711-7968-X.

8.4 Books 1999

Al-Malaika S., Golovoy A., Wilkie C.A., eds., **Chemistry and technology of polymer additives**, Blackwell, £79, ISBN 0-6320-5338-0.

Baur H., **Thermophysics of polymers I: Theory**, Springer, DM198/£76, ISBN 3-5406-5046-6.

Binks B.P., ed., **Modern characterization methods of surfactant systems** (Surfactant Science Series 83), Marcel Dekker, US\$195, ISBN 0-8247-1978-6.

Boyd I.W., Perrière J., Stuke M., eds., **Surface processing: laser, lamp, plasma** (Proceedings of Symposium of the E-MRS Spring Conference, Strasbourg, France, June 1998; European Materials Research Society Symposia Proceedings 82), Elsevier, Dfl.375/US\$190.50, ISBN 0-0804-3610-2.

The Composite materials handbook - MIL-17, Technomic
Vol. 1 Guidelines for characterization of structural materials

US\$89 ISBN 1-5667-6826-8

US\$89 ISBN 1-5667-6827-6

Vol. 2 Material properties

US\$89 ISBN 1-5667-6828-4

US\$250 ISBN 1-5667-6829-2

US\$295 ISBN 1-5667-6830-6

US\$495 ISBN 1-5667-6831-4

Vol. 3 Materials usage, design, and analysis

All 3 volumes

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CD-ROM + 3 volume book set

David D.J., Misra A., **Relating materials properties to structure: Handbook and software for polymer calculations and materials properties**, Technomic, US\$149.95, ISBN 1-5667-6797-0.

De Rossi D.E., Osada Y., **Polymer sensors and actuators**, Springer, ca. DM198, ISBN 3-5406-5487-9.

Dobias B., Qiu X., Rybinski W. von, **Solid-liquid dispersions** (Surfactant Science Series 81), Marcel Dekker, US\$195, ISBN 0-8247-0014-7.

Dubin P., **Colloid-polymer interactions: from fundamentals to practice**, Wiley-VCH, ca. £74.50, ISBN 0-4712-4316-7.

Equer B., Drevillon B., eds., **Thin film materials for large area electronics** (Proceedings of Symposium E of the E-MRS 1998 Spring Conference, Strasbourg, France, June 1998; European Materials Research Society Symposia Proceedings 80), Elsevier, Dfl.300/US\$152.50, ISBN 0-0804-3607-02.

Goddard E.D., Gruber J.V., eds., **Principles of polymer science and technology in cosmetics and personal care** (Cosmetic Science and Technology Series 22), Marcel Dekker, US\$225, ISBN 0-8247-1923-9.

Hagen J., **Industrial catalysis - a practical approach**, Wiley-VCH, DM298/£105, ISBN 3-25272-9528-3.

Hsu J.-P., ed., **Interfacial forces and fields: theories and applications** (Surfactant Science Series 85), Marcel Dekker, US\$225 (five or more copies, for classroom use only: US\$79.75), ISBN 0-8247-1964-6.

Karsa D.R., ed., **New products and applications in surfactant technology** (Annual Surfactants Review 1), Sheffield Academic Press, £59, ISBN 1-8507-5872-7.

Karsa D.R., ed., **Design and selection of performance surfactants** (Annual Surfactants Review 2), Sheffield Academic Press, £79, ISBN 1-8507-5993-6.

Kasper E., Wang K.L., Hasegawa H., eds., **Thin films epitaxial growth and nanostructures** (Proceedings of Symposium E of the E-MRS 1998 Spring Conference, Strasbourg, France, June 1998; European Materials Research Society Symposium Proceedings 79), Elsevier, Dfl.350/US\$177.50, ISBN 0-0804-3606-04.

Kaye B.H., **Characterization of powders and aerosols**, Wiley-VCH, £95, ISBN 3-2572-8853-8.

Kissa E., **Dispersions: Characterization, Testing, and Measurement** (Surfactant Science Series 84), Marcel Dekker, US\$225, ISBN 0-8247-1994-8.

Klenin V.J., **Thermodynamics of systems containing flexible-chain polymers**, Elsevier, Dfl.675/US\$342.50, ISBN 0-4448-2373-5.

Krotov V.V., Rusanov A.I., **Physicochemical hydrodynamics of capillary systems**, Imperial College Press, US\$78/£54, ISBN 1-8609-4160-5.

Mittal K.L., Pizzi A., eds., **Adhesion promotion techniques: technological applications** (Materials Engineering Series 14), Marcel Dekker, US\$195, ISBN 0-8247-0239-5.

Nguyen T.Q., Kausch H.H., eds., **Flexible polymer chain dynamics in elongational flow: theory and experiment**, Springer, DM349/£134, ISBN 3-5406-5181-0.

Pefferkorn E., ed., **Interfacial phenomena in chromatography** (Surfactant Science Series 80), Marcel Dekker, US\$175, ISBN 0-8247-1947-6.

Quinn J.A., **Composites design manual**, Technomic, US\$99.95, ISBN 1-5667-6795-4.

Rouquerol F., Rouquerol J., Sing K., **Adsorption by powders and porous solids: principles, methodology and applications**, Academic Press, £79.95, ISBN 0-1259-8920-2.

Sadus R.J., **Molecular simulation of fluids: theory, algorithms and object-orientation**, Elsevier, Dfl.475/US\$273, ISBN 0-4448-2305-0.

Schmelzer J., Röpke G., Mahnke R., **Aggregation phenomena in complex systems**, Wiley-VCH, £105, ISBN 3-5272-9354-X.

Schwarz J.A., Contescu C.I., eds., **Surfaces of nanoparticles and porous materials** (Surfactant Science Series 78), Marcel Dekker, US\$235, ISBN 0-8247-1933-6.

Scott G., **Polymers and the environment**, Royal Society of Chemistry, £16.95, ISBN 0-8540-4578-3.

Smith Sørensen T., ed., **Surface chemistry and electrochemistry of membranes** (Surfactant Science Series 79), Marcel Dekker, US\$225, ISBN 0-8247-1922-0.

Vinson J., **The behavior of sandwich structures of isotropic and composite materials**, Technomic, US\$189.95, ISBN 1-5667-6699-0.

9 NEWSLETTER IDEAS AND INFORMATION

All members are invited to send their suggestions on the scope and other aspects of these Newsletters. Contributions to fostering international contacts are specifically solicited but information on meetings is also very welcome!

Prof.dr. Hans Lyklema, Newsletter Editor, Laboratory of Physical Chemistry and Colloid Science, Wageningen Agricultural University, (Dreijenplein 6) P.O. Box 8038, NL-6700 EK Wageningen, The Netherlands, phone: +31 (Netherlands) 317 (area code) 482-279 (extension); fax: +31 (317) 483-777, e-mail: Hans.Lyklema@fenk.wau.nl.

FOR MEMBERSHIP OF IACIS please contact Prof.dr. Gerard Fleer at the same address, phone: +31 (317) 482-275, fax: +31 (317) 483-777, e-mail: Gerard.Fleer@fenk.wau.nl.

Hans Lyklema