



*International Association of Colloid
and Interface Scientists*

NEWSLETTER NO. 29

JANUARY 1999

COMPILED BY J. LYKLEMA

NEWSLETTER NO. 29 **C O N T E N T S**

INTERNATIONAL ASSOCIATION OF COLLOID AND INTERFACE SCIENTISTS

NEWSLETTER NO. 29
January 1999

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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 29 Newsletters. The task is not too heavy and I receive much help from my secretary, Mrs. Wil Kleijn. 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.

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.

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3 IACIS NEWS

3.1 Presidential message

As I begin my term as IACIS President, I wish to take this opportunity to reflect on both the past accomplishments and future promise of our Association. To begin, I add my thanks to those of past-president Krister Holmberg to our colleagues in Wageningen who have been the mainstay of this unique organization. The single most notable activity of IACIS is its sponsorship of a triennial International Conference on Surface and Colloid Science, the tenth such conference to be held 23-28 July, 2000, in Bristol, U.K. Perhaps less well-publicized, but nonetheless significant, are our contributions to the support of a variety of colloid and surface-science related conferences, symposia, and workshops, the latest

being the conference in honor of Professor Rehinder this October in Moscow, Russia. A recent initiative involves obtaining scientific journals for some academic institutions in Eastern and Central Europe whose infrastructure has been badly eroded. Another new initiative, closely coupled to the activities which IACIS does and/or could support, is an effort to increase membership. The number of members has remained fairly constant at about 480 over the past several years, but did show an increase to 522 last year. When this year's figures are in, we should have a better idea if these efforts, centered mainly on increasing publicity at colloid and surface science-related meetings, are bearing fruit. In any event, I plan to continue placing emphasis on this drive for increased membership, begun by Krister Holmberg during his term as IACIS President. Suggestions for means of accomplishing this objective are both welcomed and encouraged. Next, the question, "whither the IACIS?" It is not a question which will be answered in this message, but I believe is one we should all be thinking about. The function of the national and European colloid societies is principally involved with what I broadly term programming; that is, the organization of scientific meetings. While, as noted above, the IACIS does sponsor an international conference every three years, it is not engaged in regular programming activities. It is clear that the role of the IACIS must be to complement the functions of the societies, and perhaps it is time to begin a dialog to ascertain their views on this. Finally, I wish to note that perhaps the most significant benefit of IACIS membership is this Newsletter. Among other things, it contains what I believe is the most extensive listing of upcoming meetings in colloid and surface science. This alone to me, is worth the modest member fee, and its combined success depends upon every individual's input to us concerning their knowledge of future events. As I begin my term of office, I look forward to working with you to advance the cause of our science and our Association.

Ray Mackay

3.2 Elections for President-elect and Council Members

In total 491 ballot forms were sent out, of which 3 were returned "undeliverable". Out of these 488 potential votes, 160 were actually used; this 33% thus constitutes a quite reasonable return.

These are the results: Platikanov will be the new President-elect and Cosgrove, González Caballero, Ise, Miller, and Prieve have been chosen as Council Members (the list is alphabetical, and is not in the order of votes obtained). We congratulate these colleagues and welcome them to the Council, looking forward to a fruitful co-operation in the future. We thank Aidarova, Czarnecki, Izmailova, Laughlin, Napper, Rusanov, and Sjöblom, who have not been elected, for their willingness to stand. We also thank Vincent for his candidacy for President; his time may still come.

The president, Ray Mackay, proposes to bring about some changes in the list of Co-opted Members, mainly based on regional spreading. The suggestion is to replace Exerowa with Rusanov, and Mittal with Sjöblom. According to our Consitution, these changes require the consent of the Council, which has been obtained.

For the period until September 1, 2000 the Standing Committee and The Council will consist of the following members:

President: Prof.dr. R. Mackay (U.S.A.)

President-elect: Prof.dr. D. Platikanov (Bulgaria)

Immediate Past President:
Prof.dr. K. Holmberg (Sweden)

Hon. Secretary and Treasurer:
Prof.dr. G.J. Fleer (The Netherlands)

Ordinary Members:

Prof.dr. J. de Coninck (Belgium)
Prof.dr. T. Cosgrove (U.K.)
Prof.dr. N. Garti (Israel)
Prof.dr. F. González Caballero (Spain)
Prof.dr. J. Gregory (U.K.)
Prof.dr. M.L. Hair (Canada)
Prof.dr. N. Ise (Japan)
Prof.dr. K. Malysa (Poland)
Prof.dr. C.A. Miller (U.S.A.)
Prof.dr. R. Miller (Germany)
Prof.dr. D.C. Prieve (U.S.A.)
Prof.dr. M.J. Schwuger (Germany)

Co-opted Members:

Prof.dr. N.V. Churaev (Russia)
Prof.dr. F. Csmpesz (Hungary)
Prof.dr. A. Maitra (India)
Prof.dr. J. Ralston (Australia)
Prof.dr. A.I. Rusanov (Russia)
Prof.dr. P. Schurtenberger (Switzerland)
Prof.dr. J.E.G. Sjöblom (Norway)
Prof.dr. J. Lyklema
(The Netherlands, Newsletter Editor)

November 1998

Gerard Fleer
Hon. Secretary and Treasurer

3.3 Financial Report September 1997 / 1998

	total in US\$	total in Dfl	totals in Dfl
Balance per September 1, 1997			f 10,414
Sponsoring funds 9th ICSCS, Sofia			f 6,292
			f 16,706
Receipts			
Membership fee	US\$ 859	f 13,490	f 14,864
Rest Sofia budget	US\$ 1,000		f 1,600
Interest			<u>f 67</u>
			f 16,531
			f 33,237

Payments

ICIS-fee Bulgarian members	f 405
Sponsoring (Hawaii, Amalfi, Moscow)	f 6,076
Bank costs	f 294
Printing/paper	f 3,522
Computer	f 1,944
Mailing	f 3,009
Costs (cheques, credit cards)	f 928
Salary secretary	<u>f 2,400</u>
	f 18,578
Rest. sponsor-amounts of 9th ICSCS	f 7,892
Balance per September 1, 1998	f 6,767

Hungarian Funds	HuF 66,090
Amounts are rounded.	
For conversion the rate US\$ 1.00 = Dfl 1.60 is used.	
Number of members	September 1, 1997 522
	September 1, 1998 495

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 28/9.

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) EUCHEM 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.

5 IUPAC NEWS

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

A rather important issue is the future organization of IUPAC. A special commission has suggested a Strategic Plan and a new organization and Management Scheme. Based on these views IUPAC has adopted this Plan in which both Long Range and Short Range goals are expressed. The goals are derived from IUPAC's mission to advance the world-wide aspects of chemical sciences and to contribute to the application of chemistry to the service of mankind. The Strategic Plan is published in Chemistry International (1998) **2**, 21-24. The recommendations on Organization and Management are that IUPAC should convert from its present Division/Commissions structure to one under which

approved projects will be carried out by short-term project-oriented Task Groups. The present Commissions (of the Divisions) should be terminated in 2001. The Division of Physical Chemistry still favors the classical Commissions structure and has informed IUPAC accordingly. However, this view has gained little support. The report on the new IUPAC structure can be obtained from the IUPAC secretariat (e-mail: secretariat@iupac.org; website: <http://www.iupac.org>.) In the meantime the Commission 1.6 is continuing its activities in the usual way. The most important activities are summarised below.

To initiate the project *Measurement and Interpretation of Electrokinetic Phenomena* a special IUPAC workshop has been held as part of the Electrokinetic Phenomena Conference in Salzburg (April 1998). At the workshop the various aspects of a possible document have been discussed and a working party has been established under the chairmanship of prof. Gonzalez-Caballero (University of Granada). The group has produced a Feasibility Study Document that has been sent out to the Physical Chemistry Division for review.

Recommendations for the use of Atomic Force Microscopy in the Direct Measurements of Colloidal Forces. A Feasibility Study Document focused on the measurement of colloidal interactions using AFM is being prepared by Ralston and Hayes (Adelaide, Australia). It will be sent out for review to the Division.

For the new subject, *Colloidal Stability and Flow Properties of Concentrated Dispersions*, Rosenholm (Abo, Finland) continues to be looking for people interested in contributing. The proposed project has relevance for many applications where concentrated suspensions are used.

The document on *Nomenclature of Structural and Compositional Characteristics of Ordered Micro-porous Materials* has been discussed with a working party of the International Zeolite Association. The action *Nomenclature*

and *Recommendations for the Characterization of Powders for Advanced Materials Manufacture* needs more people interested in contributing before a Feasibility Study Document can be produced. For the actions on *Glossary of Terms in Photo-catalysis (and Radiation Catalysis)* and *Recommendation for the Characterization of Inorganic Membranes* see IACIS Newsletter 28, item 5.2.

An important part of the projects of Commission 1.6 is connected with the preparation or characterization of new advanced materials. This domain is not exclusively that of our commission and certainly in this field collaboration with other Commissions and Divisions is important. To make the communication easier an Interdivisional (limited lifetime) working party under the name "Strategic Initiative in Materials" has been established.

Comments and/or suggestion with respect to any of these initiatives are welcome and feel free to contact me if you like to make a contribution to one of the projects (e-mail: koopal@fenk.wau.nl).

Luuk K. Koopal
Chairman Commission 1.6

5.2 Last year Blackwell Science published on behalf of IUPAC ***Principles of Chemical Nomenclature: A Guide to IUPAC Recommendations***, edited by G.J. Leigh, H.A. Favre and W.V. Metanomski. 144 pages, 130 illustrations, ISBN 0-8654-2685-6, paperback £18.50/US\$28.50, discount price for IUPAC members £11.10/US\$17.10.

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 Scattering Techniques, 9-10 March 1999, London, U.K. Organised by the Colloid and Surface Chemistry Group of the Society of Chemical Industry. Contact: S. King, phone +44 (1235) 446-437, fax: +44 (1235) 445-720, or SCI Conference Secretariat, 14/15 Belgrave Square, London SW1X 8PS, U.K., phone: +44 (171) 235-3681, fax: +44 (171) 235-7743, e-mail: conferences@chemind.demon.co.uk, <http://sci.mond.org>.

6.2 7. Aachener Membran Kolloquium, 9-11 March 1999, Aachen, Germany. Contact: GVC.VDI-Gesellschaft Verfahrenstechnik und Chemieingenieurwesen, P.O. Box 101 139, D-40002 Düsseldorf, Germany, phone: +49 (211) 621-4257, fax: +49 (211) 621-4162, e-mail: gvc@vdi.de.

6.3 International Workshop on Particles and Surfaces: Fundamentals, Techniques and Applications, 13-16 March 1999, Oud Poelgeest near Leiden, The Netherlands. Contact: G.J.M. Koper, Leiden Institute of Chemistry, Leiden University, Gorlaeus Laboratories, P.O. Box 9502, NL-2300 RA Leiden, The Netherlands, phone: +31 (71) 527-4239, fax: +31 (71) 527-4397, e-mail: koper-g@chem.leidenuniv.nl.

6.4 217th ACS National Meeting, 21-25 March 1999, Anaheim, U.S.A. The symposia of the Division of Colloid and Surface Chemistry include:

- Modeling Supported Catalysis in Surface Science.
- Chemical Strategies to Transform Toxic and Hazardous Materials - A Memorial to Reg Seiders.
- Surface Analysis for the New Millennium.
- Fundamentals of Molecular Tribology.
- Liquid-Liquid Interfacial Phenomena.
- CELL-COLL Interfacial Phenomena involving Cellulose Materials.
- Poster Session: Fundamentals of Colloid and Surface Chemistry.

Contact: D.D. Miller, Eastman Kodak Company, 1900 Lake Avenue, Rochester, NY 14650-2109, U.S.A., phone: +1 (716) 588-8146, fax: +1 (716) 722-2327, e-mail: ddmiller@kodak.com.

Polymeric Materials Science and Engineering Division:

- Emulsion Polymers. Contact M.S. El-Aasser, Lehigh University, Emulsion Polymers Institute, 111 Research Drive, Bethlehem, PA 18015-4791, U.S.A., phone: +1 (610) 758-4470, fax: +1 (610) 758-6245, <http://www.lehigh.edu/~esd0/anaheim99>.

6.5 International Sorption Heat Pump Conference, 24-26 March 1999, Munich, Germany. Contact: M. Hellmann, ZAE Bayern, Walther-Meißner-Strasse 6, D-85748 Garching, Germany, fax: +49 (89) 3294-4212, e-mail: martin.hellmann@physik.tu-muenchen.de.

6.6 4th International Conference on Separations for Biotechnology, 29-31 March 1999, Reading, U.K. Organised by the Biotechnology Group and the Separation Science & Technology Group of the Society of Chemical Industry. Contact: SCI Conference Secretariat, 14/15 Belgrave Square, London SW1X 8PS, U.K., phone: +44 (171) 235-3681, fax: +44 (171) 235-7743, e-mail: conferences@chemind.demon.co.uk, <http://sci.mond.org>.

6.7 4th International Symposium on Polymers in Dispersed Media, honoring Doctor Alain Guyot, 11-15 April 1999, Lyon, France. Contact: Chr. Pichot, CNRS-BioMerieux, Ecole Normale Supérieure de Lyon, 46 allée d'Italie, F-69364 Lyon cedex 07, France, phone: +33 (4) 7272-8360, fax: +33 (4) 7272-8533, e-mail: Christian.Pichot@ens-bma.cnrs.fr.

6.8 Physical Chemistry in the Mesoscopic Regime (General Discussion 112 of the Faraday Division of the Royal Society of Chemistry), 12-14 April 1999, Chester, U.K. Contact: M. Lal, Unilever Research, Port Sunlight Laboratory, Bebington, Wirral, Merseyside L63 3JW, U.K., e-mail: Moti.Lal@unilever.com.

6.9 16th Thermodynamics Conference: Thermodynamics and Statistical Mechanics with Industrial Applications: Thermodynamics 99, 14-16 April 1999, London, U.K. Contact: Chr.J. Wormald, School of Chemistry, University of Bristol, Cantock's Close, Bristol BS8 1TS, U.K., phone: +44 (117) 928-8161, fax: +44 (117) 925-0612, e-mail: chris.wormald@bristol.ac.uk, or J.P.M. Trusler, Department of Chemical Engineering, Imperial College, Prince Consort Road, London SW7 2BY, U.K., phone: +44 (171) 594-5592, fax: +44 (171) 594-5604, e-mail: m.trusler@ic.ac.uk, http://billy.ce.ic.ac.uk/thermo99.

6.10 International Conference on Solid-Liquid Separation Systems, 18-23 April 1999, Kahuku, Oahu, Hawaii. Contact: F.M. Tiller, M.D. Anderson Professor - University of Houston, Cullen College of Engineering, Houston, TX 77204-4792, U.S.A., phone: +1 (713) 743-4323, fax: +1 (713) 743-4300, or United Engineering Foundation, Three Park Avenue, 27th Floor, New York, NY 10016-5902, U.S.A., phone: +1 (212) 591-7836, fax: +1 (212) 591-7441, e-mail: engfnd@aol.com, http://www.engfnd.org.

6.11 4. Nachwuchstage der Kolloid- und Grenzflächenforschung, 21-22 April 1999, Basel, Switzerland. Contact: Chr. Quellet, Givaudan Roure Research Ltd., CH-8600 Dubendorf, Switzerland, fax: +41 (1) 824-2926.

6.12 9th Wolfgang-Ostwald-Kolloquium der Kolloid-Gesellschaft on Structure and Dynamics of Concentrated Dispersions, 23-24 April 1999, Basel, Switzerland. Contact: Chr. Quellet, Givaudan Roure Research Ltd., CH-8600 Dubendorf, Switzerland, fax: +41 (1) 824-2926.

6.13 Colloidal Systems for Controlled Uptake & Release, 29 April 1999, London, U.K. Organised by the Colloid and Interface Science Group of the Royal Society of Chemistry. Contact: B. Vincent, School of Chemistry, University of Bristol, Cantock's Close, Bristol BS8 1TS, U.K., phone: +44 (117) 982-8160, fax: +44 (117) 925-0612, e-mail: Brian.Vincent@bristol.ac.uk.

6.14 Rheology, Rheophysics and Structures, 3-7 May 1999, Sophia Antipolis, France. Contact: P. Navard, phone: +33 (4) 9395-7466, fax: +33 (4) 9365-4304, e-mail: patrick.navard@cemef.cma.fr.

6.15 Engineering Foundation Conference on Recovery of Biological Products IX, 23-28 May 1999, Whistler, Canada. Contact: I. Møllerup, Novo Nordisk A/S, Hagedornsvej 1, DK-2820 Gentofte, Denmark, fax: +45-4443-9910, e-mail: imo@novo.dk, or United Engineering Foundation, Three Park Avenue, 27th Floor, New York, NY 10016, U.S.A., phone: +1 (212) 591-7836, fax: +1 (212) 591-7441, e-mail: engfnd@aol.com, http://www.engfnd.org.

6.16 Amphiphiles at Interfaces: From Structure Control to Properties, 24-28 May 1999, Beijing, China. Contact: Li Wei, Center for International Scientific Exchanges, Chinese Academy of Sciences, 52 Sanlihe Rd., Beijing 100864, P.R. China, phone: +86 (10) 6859-7207 or 6859-7201, fax: +86 (10) 6859-7740, e-mail: dic-cise@mail.cashq.ac.cn.

6.17 2nd International Symposium on Polymer Surface Modification: Relevance to Adhesion, 24-26 May 1998, Newark, New Jersey, U.S.A. Contact: R.H. Lacombe, C4 Technologies, Inc., 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://ourworld.compuserve.com/homepages/rhlacombe/conf.htm>.

6.18 2nd International Symposium on Plasma Polymerization/Deposition: Fundamental and Applied Aspects, 27-28 May 1998, Newark, New Jersey, U.S.A. Contact: R.H. Lacombe, C4 Technologies, Inc., 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://ourworld.compuserve.com/homepages/rhlacombe/conf.htm>.

6.19 5th International Symposium on the Characterization of Porous Solids COPS-V, 30 May - 2 June 1999, Heidelberg, Germany. Contact: I. Langguth or R. Strauß, DECHEMA e.V. Congress Office, P.O. Box 150104, D-60061 Frankfurt/Main, Germany, phone: +49 (69) 756-4254 or 756-4249, fax: +49 (69) 756-4176, e-mail: tagungen@dechema.de, <http://dechema.de/cops>.

6.20 8th International Symposium Transport and Air Pollution and COST 319 - Final Conference, 31 May - 2 June 1999, Graz, Austria. Contact: P. Sturm or S. Minarik, Technical University Graz, Institute for Internal Combustion Engines and Thermodynamics, Inffeldgasse 25, A-8010 Graz, Austria, phone: +43 (316) 873-7584 or -7596 respectively, fax: +43 (316) 462-175, e-mail: sturm@vkmb.tu-graz.ac.at or minarik@vkmb.tu-graz.ac.at, <http://www.cordis.lu/transport/home.html>.

6.21 28th International Conference on Vacuum Microbalance Techniques, 2-4 June 1999, Kiev, Ukraine. Contact: Y.L. Zub or V.A. Tertykh, University of "Kiev-Mohyla Academy", 2 Skovoroda Street, Kiev 254070, Ukraine, e-mail: vicerec@ukma.kiev.ua or tertykh@public.ua.net.

6.22 Gordon Research Conference on Liquid Crystals, 6-11 June 1999, Tilton, New Hampshire, U.S.A. Contact: D. Walba, University of Colorado, Department of Chemistry,

P.O. Box 215, Boulder, CO 80309-0215, U.S.A., e-mail: WALBA@COLORADO.EDU.

6.23 3rd International Symposium on Molecular Mobility and Order in Polymer Systems, 7-10 June 1999, St. Petersburg, Russia. Contact: I. Kovalenko, Institute of Macromolecular Compounds, Bolshoi pr. 31, St. Petersburg, 199004 Russia, phone: +7 (812) 213-2907, fax: +7 (812) 218-6869, e-mail: IMC@macro.spb.su. For North-American participants: M. Norell, Symposium coordinator Business Bureau International, Inc., P.O. Box 636, Mays Landing, NJ 08330-0686, U.S.A., phone: +1 (609) 625-0144, fax: +1 (609) 625-0128, e-mail: BBIntl@aol.com.

6.24 73rd ACS Colloid and Surface Science Symposium, 13-16 June 1999, Cambridge, Massachusetts, U.S.A. Contact: P.A. Laibinis, Department of Chemical Engineering, Massachusetts Institute of Technology, 77 Massachusetts Avenue, Cambridge, MA 02139, U.S.A., phone: +1 (617) 253-49758, fax: +1 (617) 258-5042, e-mail: pel@MIT.EDU or T.A. Hatton at the same address, phone: +1 (617) 253-4588, fax: +1 (617) 253-8723, e-mail: tahatton@MIT.EDU.

6.25 Gordon Research Conference on Proteins, 13-18 June 1999, Holderness, New Hampshire, U.S.A. Contact: S. Marqusee, University of California Berkeley, Department of Molecular and Cell Biology, 220 Stanley Hall, Berkeley, CA 94720, U.S.A., e-mail: MARGUSEE@ZEBRA.BERKELEY.EDU.

6.26 Gordon Research Conference on Zeolitic and Layered Materials, 13-18 June 1999, Plymouth, New Hampshire, U.S.A. Contact: P. Dutta, The Ohio State University, Department of Chemistry, 120 W 18th Avenue, Columbus, OH 43210, U.S.A., e-mail: DUTTA@OSU.EDU.

6.27 Gordon Research Conference on Ion-Containing Polymers, 20-25 June 1999, Newport, New Hampshire, U.S.A. Contact: R. Prud'homme, Princeton University,

Department of Chemical Engineering, Princeton, NJ 08544-5263, U.S.A., e-mail: Prudhomme@Phoenix.Princeton.edu.

6.28 Gordon Research Conference on Thin Films and Crystal-Growth Mechanisms, 20-25 June 1999, Plymouth, New Hampshire, U.S.A. Contact: L.J. Schowalter, Rensselaer Polytechnical Institute, Department of Physics, Troy, NY 12181, U.S.A., e-mail: SCHOWL@RPL.EDU.

6.29 Northeast Regional Meeting (NERM) of the American Chemical Society, 22-25 June 1999, Potsdam, New York NY, U.S.A. There will be several symposia on colloid and surface chemistry:

- **Particle Technology: Advancing Towards the 21st Century**, 22-23 June, contact: R. Partch, CAMP, P.O. Box 5814, Clarkson University, Potsdam, NY 13699-5814, U.S.A.

- **Nanostructures**, 24 June (full-day symposium), contact: J. Fendler, same address.

- **Light Scattering**, 23-24 June, contact: M. Borkovec, Department of Chemistry, Clarkson University, P.O. Box 5814, Potsdam, NY 13699-5814, U.S.A., or J. Kratochvil, Department of Chemistry, Clarkson University, P.O. Box 5810, Potsdam, NY 13699-5810, U.S.A.

- **Excellence in Colloid Chemistry**, 24 June (half-day symposium), contact: S. Friberg, Department of Chemistry, Clarkson University, P.O. Box 5810, Potsdam, NY 13699-5810, U.S.A.

6.30 Gordon Research Conference on Polymer Colloids, 27 June - 2 July 1999, Tilton, New Hampshire, U.S.A. Contact: F.M. Candau, CNRS Institut Charles Sadron, 6 rue Boussignault, F-67083 Strasbourg cedex, France, e-mail: Candau@ics.u-strasbg.fr, <http://www.grc.uri.edu>.

6.31 Mechanical Properties of Films, Coatings and Interfacial Materials, 27 June - 2 July 1999, Barga, Italy. Contact: United Engineering Foundation, Three Park Avenue, 27th Floor, New York, NY 10016, U.S.A., phone: +1 (212) 591-

7836, fax: +1 (212) 591-7441, e-mail: engfnd@aol.com, <http://www.engfnd.org>.

6.32 International Memorial K.I. Zamaraev Conference on Physical Methods for Catalytic Research at the Molecular Level, 28 June - 2 July 1999, Novosibirsk, Russia. Contact: V.N. Parmon, Boreskov Institute of Catalysis, 5 Prosp. Akad. Lavrentieva, Novosibirsk, 630090 Russia, phone: +7 (383) 234-3269, fax: +7 (383) 234-3056, e-mail: parmon@catalysis.nsk.su.

6.33 9th European Student Conference in Colloid and Polymer Chemistry ESC'99, 29 June - 2 July 1999, Gammelgård, Nauvo, Finland. Contact: ECS'99, Department of Physical Chemistry, Åbo Akademi University, Porthansgatan 3-5, Turku, Finland, e-mail: esc99@abo.fi.

6.34 4th Liquid Matter Conference, 3-7 July 1999, Granada, Spain. Contact: R. Hidalgo-Álvarez, Secretaría Técnica, Congresos GESTAC, Palacio de Exposiciones y Congresos de Granada, Local no.6, Paseo del Violón s/n, 18006 Granada, Spain, phone: +34 (9) 5813-2949, fax: +34 (9) 5813-4480, e-mail: gestac@indico.cpm, <http://www.ugr.es/~liquid99>. The symposia include:

- Liquid Crystals
- Polymers, Polyelectrolytes and Gels
- Colloids, Surfactants, Emulsions and Foams
- Phase Transitions and Nucleation Phenomena.

6.35 Gordon Conference on Molecular Membrane Biology, 4-9 July 1999, Andover, New Hampshire, U.S.A. Contact: T. Rapoport, Harvard Medical School, Department of Cell Biology, 25 Shattuck Street, Boston, MA 02115-6092, U.S.A., e-mail: RAPOPORT@BCMP.MED.HARVARD.EDU.

6.36 Gordon Conference on Coatings & Films, 11-16 July 1999, New London, New Hampshire, U.S.A. Contact: R. Brady, Naval Research Laboratories, Code 6123, Chemical

Division, 4555 Overlook Avenue, Washington, DC 20375-5342, U.S.A., e-mail: BRADY03@UTSW.SWMED.EDU.

6.37 39th Microsymposium on Advances in Polymerization Methods, 12-15 July 1999, 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.

6.38 1st IUPAC Workshop on New Directions in Chemistry: Workshop on Advanced Materials: Nanostructures Systems (IUPAC-WAM-1), 15-17 July 1999, Hong Kong. Contact: M.A. El-Sayed, School of Chemistry and Biochemistry, Georgia Institute of Technology, Atlanta, GA 30332-0400, U.S.A., phone: +1 (404) 894-0292, fax: +1 (404) 894-0294, e-mail: mosafa.el-sayed@chemistry.gatech.edu, <http://www.iupac.org/symposia/conferences/wam1>.

6.39 19th Discussion Conference on the Rheology of Polymer Systems, 19-22 July 1999, Prague, Czech Republic. Contact: J. Lukas, Institute of Macromolecular Chemistry, Academy of Sciences in 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.

6.40 International Symposium on Ionic Polymerization, 19-23 July 1999, Kyoto, Japan. Contact: S. Kobayashi, Department of Materials Chemistry, Graduate School of Engineering, Sendai 606-01, Japan, phone: +81 (75) 753-5608, fax: +81 (75) 753-4911, e-mail: kobayashi@mat.polym.kyoto-u.ac.jp.

6.41 Biochemical Engineering XI: Molecular Diversity in Discovery and Bioprocessing, 25-30 July 1999, Park City, Utah, U.S.A. Contact: United Engineering Foundation, Three Park Avenue, 27th Floor, New York, NY 10016, U.S.A.,

phone: +1 (212) 591-7836, fax: +1 (212) 591-7441, e-mail: engfnd@aol.com, <http://www.engfnd.org>.

6.42 26th International Conference on Solution Chemistry, 26-31 July 1999, Fukuoka City, Kyushu, Japan. Contact: H. Ohtaki, Dept of Chemistry, Faculty of Science and Engineering, Ritsumeikan University, 1-1-1 Noji-Higashi, Kusatsu 525, Japan, phone: +81 (775) 612-777, fax +81 (775) 612-659, e-mail: ohtaki@bkc.ritsumei.ac.jp.

6.43 Gordon Research Conference on Chemistry of Supramolecules and Assemblies, 1-6 August 1999, Henniker, New Hampshire, U.S.A. Contact: E. Kaler, University of Delaware, Department of Chemical Engineering, Colburn Laboratory, Newark, DE 19716, U.S.A., phone +1 (302) 831-3553, fax: +1 (302) 831-1048, e-mail: KALER@CHE.UDEL.EDU.

6.44 40th IUPAC General Assembly: Frontiers in Chemistry: Molecular Basis of the Life Sciences, 6-13 August 1999, Berlin, Germany. Restricted to members of IUPAC bodies that meet at this occasion.

6.45 Gordon Research Conference on Dynamics at Surfaces, 8-13 August 1999, Andover, New Hampshire, U.S.A. Contact: A.W. Kleyn, FOM Institute, Atomic and Molecular Physics, Kruislaan 407, NL-1098 SJ Amsterdam, The Netherlands, e-mail kleyn@amolf.nl.

6.46 37th IUPAC Congress, 14-19 August 1999, Berlin, Germany. Contact: H. vom Dieck, Gesellschaft Deutscher Chemiker GDCh, P.O. Box 900440, D-60444 Frankfurt-am-Main, Germany, phone: +49 (69) 791-7358/-7360/-7366, fax: +49 (69) 791-7475, e-mail: tg@gdch.de, <http://www.gdch.de>.

6.47 1st Nordic-Baltic Meeting on Surface and Colloid Science, 21-25 August 1999, Vilnius, Lithuania. (hosted by the Lithuanian Academy of Sciences, Vilnius University and State Research Institutes of Biochemistry and Chemistry: 14th meeting in the series of Scandinavian

Symposia on Surface Chemistry.) Contact: V. Razumas, Institute of Biochemistry, Mokslininku 12, LT-2600 Vilnius, Lithuania, phone: +370 (2) 729-144, fax: +370 (2) 729-196, e-mail: VRazumas@bchi.lt, <http://www.bchi.lt/Vilnius99>.

6.48 218th ACS National Meeting. 23-26 August 1999, New Orleans, U.S.A. The symposia of the *Division of Colloid and Surface Chemistry* include:

- Novel Surfactants: Synthesis, Properties, and Applications.
 - Macromolecular Secretariat: Polymeric Materials in Separations.
 - Poster Session: Fundamentals of Colloid and Surface Chemistry.
 - Biotechnology Secretariat (BTEC): Biosynthetic Materials, Processes, and Self-Assembly.
 - Materials Chemistry Secretariat (MTLS): Materials Chemistry Secretariat Symposium on Fullerenes.
- Contact: D.D. Miller, Eastman Kodak Company, 1700 Dewey Avenue, Rochester, NY 14650-1909, U.S.A., phone: +1 (716) 588-8146, fax: +1 (716) 588-2717, e-mail: ddmiller@kodak.com.

6.49 Environmental Technology for Oil Pollution: Remediation and Pollution Prevention. 29 August - 3 September 1999, Jurata, Poland. Contact: United Engineering Foundation, Three Park Avenue, 27th Floor, New York, NY 10016-5902, U.S.A., phone: +1 (212) 591-7836, fax: +1 (212) 591-7441, e-mail: engfnd@aol.com, <http://www.engfnd.org>.

6.50 The Surface Science of Metal Oxides (General Discussion 114 of the Faraday Division of the Royal Society of Chemistry), 1-3 September 1999, Ambleside, U.K. Contact: G. Thornton, Department of Chemistry, Manchester University, Oxford Road, Manchester M13 9PL, U.K., e-mail: chris@ssci.liv.ac.uk, <http://www.rsc.org/is/journals/current/faraday/fadmeet/htm>.

6.51 2nd European Conference on Neutron Scattering, 1-4 September 1999, Budapest, Hungary.

Contact: T. Grósz, Neutron Physics Laboratory, Research Institute for Solid State Physics and Optics, P.O. Box 49, KFKI Bldg 10, H-1525 Budapest, Hungary, phone: +36 (1) 395-9220/-1738, fax: +36 (1) 395-9165, e-mail: ECNS992sunserv.kfki.hu, <http://www.kfki.hu/ECNS99/>.

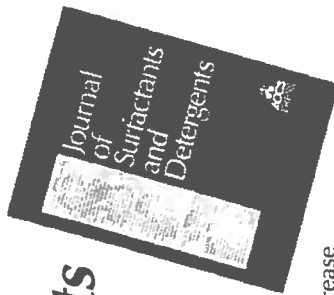
6.52 Eurofillers 99: Charges et Polymères, 6-9 September 1999, Lyon, France. Contact: +33 (4) 7243-8979, fax: +33 (4) 7243-8527, e-mail: eurofillers@insa-lyon.fr.

6.53 8th International Symposium on Macromolecule-Metal Complexes MMC-VIII, 6-10 September 1999, Tokyo, Japan. Contact: E. Tsuchida, Waseda University, Tokyo 169, Japan, phone: +81 (3) 5286-3120, fax: +81 (3) 3209-5522, e-mail: w169988@mn.waseda.ac.jp.

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6.54 1st International Conference on Chemistry and Ecology of Composite Materials Based on Bitumen Emulsions and Modified Bitumen, 6-11 September 1999, Minsk, Belarus. Contact: Institute of General and Inorganic Chemistry of the National Academy of Sciences, 9 Surganov St., 220072 Minsk, Belarus, phone: +375 (17) 284-2035, fax: +375 (17) 284-2703, e-mail: cecm@igic.bas-net.by, <http://www.cecm.igic.bas-net.by>.

6.55 ESF-Conference on Complex Fluid Interfaces, 11-16 September 1999, Il Ciocco (near Pisa), Italy. Contact: S. Dietrich, e-mail: dietrich@wptsb.physik.uni-wuppertal.de.

6.56 13th Conference of the European Colloid and Interface Society ECIS'99, 12-17 September 1999, Dublin, Ireland. Contact: ECIS'99 Conference Secretariat, Incentive Conference Ireland, 1 Pembroke Place, Ballsbridge, Dublin 4, Ireland, phone +353 (1) 667-1711, fax: +353 (1) 667-1713, e-mail: ecis@incentive-conf.ie, <http://www.incentive-conf.ie/ecis/99/> or V. Buckin, Department of Chemistry, University College Dublin, Belfield, Dublin 4, Ireland, phone: +353 (1) 706-2371, fax +353 (1) 706-2127, e-mail: vitaly.buckin@ucd.ie.

6.57 6th International Conference on Surface X-ray and Neutron Scattering: 6SXNS, 12-17 September 1999, Noordwijkerhout, The Netherlands. Contact: 6SXNS Secretariat, Philips Research Laboratories WB33, Prof. Holstlaan 4, 5656 AA Eindhoven, The Netherlands, phone: +31 (40) 274-4551, fax: +31 (40) 274-5002, e-mail: mfrankn@natlab.research.philips.com, <http://www.research.philips.com/sxns/firs.html>.

6.58 The Role of Surfactants in Wetting Behaviour, 13-15 September 1999, Hull, U.K. Organised by the Colloid and Interface Science Group of the Faraday Division of the Royal Society of Chemistry. Contact: B.P. Binks, Surfactant Science Group, Department of Chemistry, University of Hull,

Hull HU6 7RX, U.K., phone: +44 (1482) 465-450, fax: +44 (1482) 466-410, e-mail: b.p.binks@chem.hull.ac.uk.

6.58 8th International Symposium on the Interactions Between Sediments and Water, 13-17 September 1999, Beijing, China. Contact: Department of Urban and Environmental Sciences, Peking University, Beijing 100871, P.R. China, fax: +86 (10) 6275-1185, e-mail: jsc@urbanms.urban.pku.edu.cn, <http://www.wsc.monash.edu.au/iasws/circular1.html>.

6.60 NATO Summer School on Structure and Dynamics of Polymer and Colloidal Systems, 13-24 September 1999, Les Houches, France. Contact: R. Borsali, e-mail: Borsali@cermav.cnrs.fr.

6.61 ESF Conference on Interfacial Behaviour in Polymer and Colloid Systems, 18-23 September 1999, Heraklion Crete, Greece. Contact: S.H. Anastasiadis, University of Crete, Physics Department, P.O. Box 2208, 71003 Heraklion Crete, Greece, phone +30 (81) 391-300, fax: +30 (81) 391-305.

6.62 International Conference on Modern Electro-analytical Methods dedicated to the 40th Anniversary of the Awarding Nobel Prize for Polarography to Professor Jaroslav Heyrovsky, 19-23 September 1999, Sec. Czech Republic. Contact: K. Vytras, Department of Analytical Chemistry, University of Pardubice, nám. Cs. legii 565, CZ-53210 Pardubice, Czech Republic, phone: +420 (40) 603-7512, fax: +420 (40) 603-7068, e-mail: Karel.Vytras@upce.cz.

6.63 39. Hauptversammlung der Kolloid-Gesellschaft (with international participation), September-October 1999, Würzburg, Germany. 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.

6.64 **Kolloidtagung 1999: Fluide Grenzflächen und amphiphile Strukturen**, 27-29 September 1999, *followed by* Sondersymposium zu Ehren von Herrn Prof. Dr. H. Rupprecht: **Kolloidchemische Aspekte in der Pharmazie, den Lebensmittelwissenschaften sowie der Kosmetik**, 30 September 1999, Würzburg, Germany. Contact: I. Zimmermann, Universität Würzburg, Pharmazeutische Technologie, Am Hubland, D-97074 Würzburg, Germany.

2000

6.65 **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.

6.66 **Adsorption**, 12-14 April 2000, Surrey, U.K. Organised by the Colloid and Interface Science Group of the Faraday Division of the Royal Society of Chemistry. Contact: S. Riaz, The Royal Society of Chemistry, Burlington House, London W1V 0BN, U.K., phone: +44 (171) 437-8656, fax: +44 (171) 734-1227, e-mail: Riazs@rsc.org, <http://www.rsc.org/is/journals/current/faraday/fadmeet/htm>.

6.67 **5th World Surfactants Congress CESIO 2000**, 29 May - 2 June 2000, Firenze, Italy. Contact: MGR Congressi - CESIO 2000, Via Servio Tullio 4, 20123 Milano, Italy, phone: +39 (2) 430-071, fax: +39 (2) 4800-8471, e-mail: cesio2000@mgr.it.

6.68 **74th Colloid and Surface Science Symposium**, June 19-21, 2000, Lehigh University, 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.

6.69 **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: ctcc@catalyse.univ-lyon1.fr.

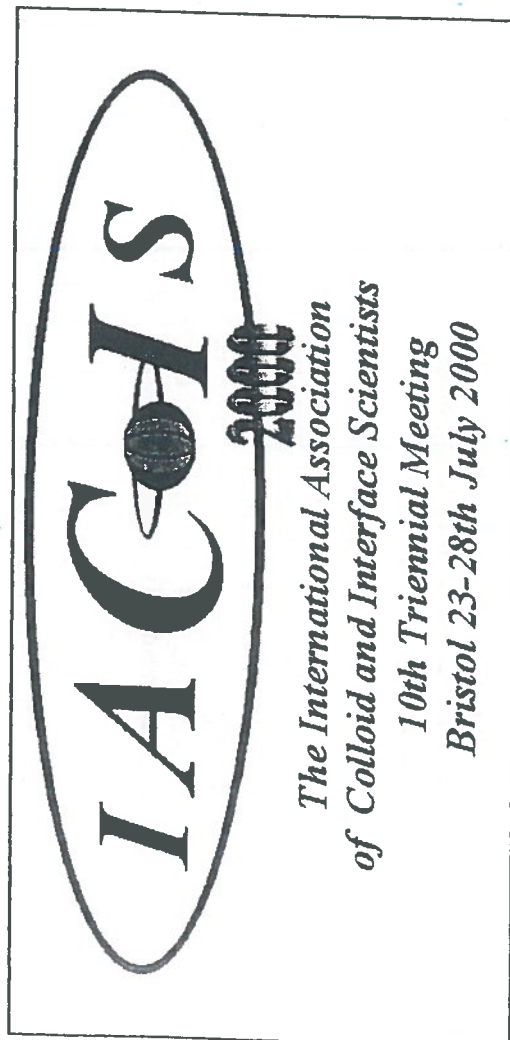
6.70 **38th International Symposium on Macromolecules MACRO 2000**, 9-14 July 2000, Warsaw, Poland. Contact: S. Penczek, Centrum Badan Molekularnych i Makromolekularnych, Polskiej Akademii Nauk, ul. Sienkiewicza 112, PL-90363 Lodz, Poland, phone: +48 (42) 819-815, fax: +48 (42) 684-7126, e-mail: spenczek@bilbo.cbmm.lodz.pl.

6.71 **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.

6.72 **10th International IACIS Conference on Surface and Colloid Science**, 23-29 July 2000, Bristol, U.K. See page 28.

6.73 **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.fga-berlin.de.

6.74 **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.



Programme

The meeting will be made up of four major themes. The first three themes will comprise two parallel sessions and the fourth theme with one. Each day will begin with a plenary lecture and each session with a keynote speaker.

The conference will be held in the University of Bristol and accommodation will be available both in hotels and in student residences. A detailed first circular will be sent out to all IACIS members. The number of delegates will be limited to 1,100 so early booking is essential. There will be substantial savings for early registration.

- [A] Macroscopic surfaces
- [B] Colloidal dispersions
- [C] Structured fluids
- [D] Biological applications

For further information on specific areas and suggestions and offers of presentations please contact:

Area [A] Brian Vincent and Paul Reynolds
e-mail: brian.vincent@bris.ac.uk
or bcc@bris.ac.uk

Area [B] Robert Richardson and Paul Luckham
e-mail: p.luckham01@ic.ac.uk
or robert.richardson@bris.ac.uk

Area [C] Julian Eastoe and Jim Goodwin
e-mail: julian.eastoe@bristol.ac.uk
or JimGoodwin@compuserve.com

Area [D] Jane Lawrence and Martyn Davies
e-mail: jayne.lawrence@KCL.AC.UK
or Martyn.Davies@nottingham.ac.uk

6.75 **International Symposium on Electrokinetic Phenomena EKP 2000**, 3-6 October 2000 (provisionally). Dresden, Germany. Contact: K. Wustrack, e-mail: WUSTRACK@argos.ipfdd.de.

6.76 **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

6.77 **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: dilee@dow.com.

6.78 75th Colloid and Surface Science Symposium ACS. 10-13 June 2001, Pittsburgh, Pennsylvania, U.S.A. Contact: S. Garoff, Carnegie Mellon University, Department of Physics, 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, Carnegie Mellon University, Department of Chemical Engineering, Pittsburgh, PA 15213, U.S.A., phone: +1 (412) 268-1159, fax: +1 (412) 268-7139, e-mail: tilton@andrew.cmu.edu.

6.79 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.

6.80 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.

6.81 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: Riaz@rsc.org, <http://www.rsc.org/is/journals/current/faraday/fadmeet/htm>.

6.82 Gordon Conference on Polymer Colloids and Heterophase Polymerizations, 14-19 July 2002 (title and date 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: ktaw@mpikg-teltow.mpg.de.

6.83 ACS National Meetings

219th 26-31 March 2000, Las Vegas, Nevada
 220th 20-25 August 2000, Washington DC
 221st 1-6 April 2001, San Diego, California
 222nd 26-31 August 2001, Chicago, Illinois
 223rd 7-12 April 2002, Orlando, Florida
 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 March 25-30 2007, Chicago, Illinois
 234th 19-24 August 2007, Boston, Massachusetts.

7 REGIONAL AND PERSONAL NEWS

7.1 Personal News

Professor Karol J. Mysels, one of the foremost colloid scientists of this century, died October 1998 in his home town La Jolla, California, U.S.A. In the next Newsletter we hope to bring an obituary.

Professor Menachem Elimelech was appointed as the Llewellyn West Jones, Jr. Professor of Environmental Engineering at Yale University, New Haven, Connecticut, U.S.A.

Our Immediate Past President **Professor Krister Holmberg** has left the Ytkemiska Institutet (Institute for Surface Chemistry) in Stockholm on September 15, to take up a chair in Applied Surface Chemistry at Chalmers University of Technology, Göteborg, Sweden.

Professor Egon Matijevic, former president of IACIS, was honoured by a special issue of *Croatica Chemica Acta* at the occasion of his 75th birthday.

Professor E. Shchukin (Moscow) was awarded the Rebinder Prize.

Professor P. Somasundaran of the Langmuir Center for Colloids and Interfaces of Columbia University, U.S.A., was one of two elected this year from the United States to the Chinese Academy of Engineering, which is "the highest honour in the field of engineering and technological sciences in China".

7.2 International and Regional News

The **International Polymer Colloid Group** has a new website; it may be reached at: <http://www.newmex.com/IPCG-Home>.

Europe

Prof. John Earnshaw (North-Ireland) is now President of the **European Colloid and Interface Society (ECIS)** and Prof. Jarl Rosenholm is Vice-President. General Secretary is Prof. dr. H. Hoffmann, Universität Bayreuth, Lehrstuhl für Physikalische Chemie I, P.O. Box 101251, D-95440 Bayreuth, Germany, phone: +49 (921) 552-760, fax: +49 (921) 552-780, e-mail: heinz.hoffmann@uni-bayreuth.de. The society now has about 220 members.

U.K.

The **SURCAT Group of the Royal Society of Chemistry** continues to attract the interest of surface scientists and catalyst chemists in this technologically important field. The membership currently stands at 430. For further information on the Group please contact the Secretary on phone: +44 (115) 948-6694 or e-mail: res@hargrjs@ntu.ac.uk.

Russia

This year the Russian **Colloid Journal**, formerly published in Russian as *Kolloidnyi Zhurnal*, celebrates its 60th anniversary. This journal has a long tradition in diffusing the results of colloid science research of the well-known Russian School. Thanks to the growing international openness and the change to the English language, the journal is now better accessible in the West. Editor-in-Chief is Nikolai V. Churaev, Professor at the Institute of Physical Chemistry of the Russian Academy of Sciences, Profsoyuznaya ul. 90, Moscow, 117864 Russia.

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

The European Physical Journal A, the successor to *Zeitschrift für Physik A*, B. Povh, ed., Vol. 1-3 (four issues each), Springer, DM 2799 plus carriage, ISSN 1434-6001 (print) or 1434-601X (electronic).

The European Physical Journal B, a merger of *Journal de Physique I* and *Zeitschrift für Physik B*, S. Grossmann and D. Jérôme, eds., Vol. 1-6 (four issues each), Springer, DM 4355 plus carriage, ISSN 1434-6028 (print) or 1434-6036 (electronic).

The European Physical Journal C, the successor to *Zeitschrift für Physik C*, D. Haidt and P.M. Zerwas, eds., Vol. 1-5 (four issues each), Springer, DM 7580 plus carriage, ISSN 1434-6044 (print) or 1434-6052 (electronic).

The European Physical Journal D, a merger of *Journal de Physique II* and *Zeitschrift für Physik D*, G. Grynberg and Y.V. Hertel, eds., Vol. 1-4 (three issues each), Springer, DM 2470 plus carriage, ISSN 1434-6060 (print) or 1434-6079 (electronic).

Granular Matter, R.P. Behringer and H.J. Herrmann, editors-in-chief, Vol. 1 (1998), four issues, Springer, US\$330 including postage and handling, ISSN 1434-5021 (print) or 1434-7636 (electronic).

Physical Chemistry Chemical Physics PCCP, a journal of European Chemical Societies formed by the merger of Faraday Transactions and *Berichte der Bunsen-Gesellschaft*, R. Whitelock, managing editor, Vol. 1 (1999) 24 issues, The Royal Society of Chemistry, ISSN 1463-9076 (print) £1154/US\$2038 (includes free electronic version), Personal rate £132/US\$214, ISSN 1463-9084 (electronic) £1154/ US\$2038.

8.2 Books

The books of the **Materials Science and Technology Series**, (editors-in-chief R.W. Cahn, P. Haassent and E.J. Kramer) can now be ordered as a complete set; future volumes will be invoiced at their appropriate subscription price upon publication (ISBN 3-5272-6813-8). For further information contact Wiley-VCH Customer Service Operations, 1 Oldlands Way, Bognor Resis, West Sussex, PO22 9SA, United Kingdom, e-mail: customer@wiley.co.uk.

8.3 Books 1996

Cornell R.M., Schwertmann U., **The Iron Oxides**, VCH, DM 278, ISBN 3-5272-8576-8.

8.4 Books 1997

Carreau P.J., De Kee D.C.R., Chhabra R.P., eds., **Rheology of polymeric systems: principles and applications**, Hanser/Gardner Publications, Cincinnati OH, U.S.A., US\$97.50.

Chankvetadze B., **Capillary electrophoresis in chiral analysis**, Wiley, £100, ISBN 0-4719-7415-3.

Collings P.J., Hird M., eds., **Introduction to liquid crystals: chemistry and physics**, Taylor & Francis, 1900 Frost Rd., Suite 101, Bristol, PA 19007, U.S.A., US\$89.

Creighton T.E., ed., **Protein structure: a practical approach**, Oxford University Press, New York NY, U.S.A., US\$55.

Erman B., Mark J.E., **Structures and properties of rubberlike networks**, Oxford University Press, New York NY, U.S.A., US\$70.

Ezerowa D., Kruglyakov P.M., **Foam and foam films** (Studies in Interface Science 5), Elsevier, Dfl.575/US\$330.50, ISBN 0-4448-1922-3.

Fitch R.M., **Polymer colloids, a comprehensive introduction**, Academic Press, £84, ISBN 0-1225-7745-0.

Kegley S.E., Adreus J., eds., **The chemistry of water**, University Science Books, Sausalito CA, U.S.A., US\$22.

Krevelen D.W. van, **Properties of polymers, 3rd ed.** (revised, updated and extended), Elsevier, Dfl.200/US\$123.50, ISBN 0-4448-2877-X.

Lloyd-Williams P., Albericio F., Giralt E., eds., **Chemical approaches to the synthesis of peptides and proteins**, CRS Press, Boca Raton FL, U.S.A., US\$95.

Mildenberg R., Zander M., Collin G., eds., **Hydrocarbon resins**, Wiley, New York NY, U.S.A., US\$140.

Möbius D., Miller R., eds., **Drops and bubbles in interfacial research** (Studies in Interface Science 6), Elsevier, Dfl.550/US\$316, ISBN 0-4448-2894-X.

Neuman R.C., **Experimental strategies for polymer scientists and plastics engineers**, Hanser/Gardner Publications, Cincinnati OH, U.S.A., US\$62.50.

Olefjord I., Nyborg L., eds., **Ecasia 97: European Conference on Applications of Surface and Interface Analysis**, Wiley-VCH, £185, ISBN 0-4719-7827-2.

Pethrick P.A., ed., **Polymer Yearbook 14**, Gordon and Breach, US\$250, ISBN 9-0570-2169-2.

Scheiner S., **Hydrogen bonding: a theoretical perspective**, Oxford University Press, New York NY, U.S.A., US\$85.

Schiesser W.E., Silebi C.A., eds., **Computational transport phenomena: numerical methods for the solution of**

transport problems, Cambridge University Press, New York NY, U.S.A., US\$80 (hardcover)/US\$29.95 (papercover).

Singh Nalwa H., ed., **Handbook of Organic conductive molecules and polymers**. Vol. 1. Charge-transfer salts, fullerenes and photoconductors. Vol. 2. Conductive polymers: synthesis and electrical properties. Vol. 3. Conductive polymers: spectroscopy and physical properties. Vol. 4. Conductive polymers: transport, photophysics and applications. Wiley, New York NY, U.S.A., each volume US\$215.

Sperling L.H., **Polymeric multicomponent materials: an introduction**, Wiley, £55, ISBN 0-4710-4138-6.

Stokes R.J., Evans F., eds., **Fundamentals of interfacial engineering**, Wiley-VCH, US\$39.95.

Vickerman J.C., ed., **Surface analysis: the principal techniques**, Wiley-VCH, £60 (hardback) or £24.95 (paperback), ISBN 0-4719-5939-1 or 0-4719-7292-4.

8.5 Books 1998

Akmal N., Usmani A.M., eds., **Polymers in sensors: theory and practice** (ACS Symposium Series 690), American Chemical Society, Washington DC, U.S.A. US\$110.95.

Ando I., Asakura T., **Solid state NMR of polymers** (Studies in Physical and Theoretical Chemistry 84), Elsevier, Dfl.1295/US\$744, ISBN 0-4448-2924-5.

Bansal N.P., Logan K.V., Singh J.P., eds., **Innovative processing and synthesis of ceramics, glasses and composites** (Ceramic Transitions 85), American Ceramic Society, Westerville OH, U.S.A., US\$95.

Bierwagen G.P., ed., **Organic coatings for corrosion control** (ACS Symposium Series 689), American Chemical Society, Washington DC, U.S.A. US\$144.95.

Binks B.P., ed., **Modern aspects of emulsion science**. Royal Society of Chemistry, £79.50, ISBN 0-8540-4439-6.

Clark R.J.H., Hester R.E., **Spectroscopy for surface analysis**, Wiley, approx. £140, ISBN 0-4719-7423-4.

Colbeck J., ed., **Physical and chemical properties of aerosols**, Blackie Academic and Professional, £89, ISBN 0-7514-0402-0.

Delmon B., Jacobs P.A., Maggi R., Martens J.A., Grange P., Poncelet G., eds., **Preparation of Catalysts VII** (Proceedings 7th International symposium on scientific basis for the preparation of heterogeneous catalysis, Louvain-la-Neuve, Belgium, September 1998), Elsevier, Dfl.750/US\$431, ISBN 0-4445-0031-6.

Demus D., Goodby J.W., Gray G.W., Spiess H.W., Vill V., eds., **Handbook of liquid crystals**, Wiley-VCH, set of four volumes £680, ISBN 3-5272-9502-X. The volumes are: **Fundamentals**, £240, ISBN 3-5272-9270-5; **Low molecular weight liquid crystals I**, £170, ISBN 3-5272-9271-3; **Low molecular weight liquid crystals II**, £170, ISBN 3-5272-9491-0; **High molecular weight liquid crystals**, £170, ISBN 3-5272-9272-1.

Deyl Z., Miksik I., Tagliaro F., Tessarova E., **Advanced chromatographic and electromigration methods in biosciences**, Elsevier, Dfl.750/US\$431, ISBN 0-4448-2594-0.

Dimutriu S., ed., **Polysaccharides: structural diversity and functional versatility**, Marcel Dekker, New York NY, U.S.A., US\$250.

Domb A.J., Kost J., Wiseman D.M., eds., **Handbook of biodegradable polymers**. Gordon and Breach, US\$155, ISBN 9-0570-2153-6.

Elliott S.R., **The physics and chemistry of solids**, Wiley, paperback £24.95, ISBN 0-4719-8195-8, hardback £39.95, ISBN 0-4719-8194-X.

Eriksson K.-E.L., Cavaco-Paulo A., eds., **Enzyme applications in fiber processing** (ACS Symposium Series 687), American Chemical Society, Washington DC, U.S.A. US\$110.95.

Furukawa Y., **Inventing polymer science: Staudinger, Carothers, and the emergence of macromolecular chemistry**, University of Pennsylvania Press, US\$49.95, ISBN 0-8122-3336-0).

Grossberg A., ed., **Theoretical mathematical models in polymer research: modern methods in polymer research and technology** (Polymers, Interfaces, and Biomaterials Series) Academic Press, £64.95, ISBN 0-1230-4140-6.

Hackley V.A., Texter J., eds., **Handbook on ultrasonic and dielectric characterization techniques for suspended particulates**, American Ceramic Society, US\$90, ISBN 1-5749-8034-3.

Heine Th., Glasser W.G., eds., **Cellulose derivatives: modification, characterization, and nanostructures**, (ACS Symposium Series 688), American Chemical Society, Washington DC, U.S.A. US\$129.95.

Hillert M., **Phase equilibria, phase diagrams and phase transformations**, Cambridge University Press, paperback £27.95, ISBN 0-5215-6583-7; hardback £75, ISBN 0-5215-6270-8.

Holmberg K., ed., **Novel surfactants: preparation, applications and biodegradability** (Surfactants Science Series 74), Marcel Dekker, US\$165, ISBN 0-8247-0203-4.

Hudson J., **Surface science: an introduction**, Wiley, ca £34.95, ISBN 0-4712-5239-5.

Hummel R.E., **Understanding materials science: history, properties, applications**, Springer, DM88, ISBN 0-3879-8303-1.

Ingham D.B., and Pop I., eds., **Transport phenomena in porous media**, Elsevier, Dfl.226/US\$130, ISBN 0-0804-2843-6.

Jönsson B., Lindman, B., Holmberg, K., Kronberg B., **Surfactants and polymers in aqueous solution**, Wiley, ISBN 0-4719-7422-6.

Katz E., Eksteen R., Schoenmakers P., Miller N., **Handbook of HPLC** (Chromatographic Science Series 78), Marcel Dekker, US\$225, ISBN 0-8247-9444-3.

Khaledi M.G., ed., **High-performance capillary electrophoresis: techniques, and applications**, Wiley, New York NY, U.S.A., US\$150.

Klein L.C., et al., eds., **Sol-gel processing of advanced materials** (Ceramic Transactions 81), American Ceramic Society, Westerville OH, U.S.A., US\$95.

Kondepudi D., Prigogine I., **Modern thermodynamics: from heat engines to dissipative structures**, Wiley, paperback £24.95, ISBN 0-4719-7394-7; hardback £39.95, ISBN 0-4719-7393-9.

Kwak J.C.T., ed., **Polymer-Surfactant Systems** (Surfactant Science Series 77), Marcel Dekker, US\$195, ISBN 0-8247-0232-8.

Lareau R., Gillen G., eds., **Secondary ion mass spectroscopy SIMS XI**, Wiley-VCH, approx. £170, ISBN 0-4719-7826-4.

Lasic D.D., Papahadjopoulos D., eds., **Medical applications of liposomes**, Elsevier, Dfl.475/US\$273, ISBN 0-4448-2917-2.

Legrand A.P., ed., **The surface properties of silicas**, Wiley, £95, ISBN 0-4719-5332-6.

Leigh G.J., Favre H.A., Metanowski W.V., eds., **Principles of Chemical Nomenclature: A Guide to IUPAC Recommen-**

datations, Blackwell Science on behalf of IUPAC, ISBN 0-8654-2685-6, paperback £18.50/US\$28.50, discount price for IUPAC members £11.10/US\$17.10.

Malmsten M., ed., **Biopolymers at interfaces** (Surfactant Science Series 75), Marcel Dekker, US\$235, ISBN 0-8247-0201-8.

Matyjaszewski, K., **Controlled radical polymerization** (ACS Symposium Series 685), Oxford University Press, Washington DC, U.S.A., US\$130.95.

Milani P., Iannotta S., **Synthesis of nanophase materials by cluster beam deposition**, Springer, DM128, ISBN 3-5406-4370-2.

Mishra M.K., Yagci Y., **Handbook of radical vinyl polymerization** (Plastics Engineering Series 48), Marcel Dekker, US\$175, ISBN 0-8247-9464-8.

Möbius D., Miller R., eds., **Proteins at liquid interfaces** (Studies in Interface Science 7), Elsevier, Dfl. 450/US\$258.50, ISBN 0-4448-2944-X.

Nair K.M., et al., **Dielectric materials** (Ceramic Transitions 88), American Ceramic Society, Westerville OH, U.S.A., US\$95.

Nichols A.L., ed., **Aerosol particle size analysis: good calibration practices**, Royal Society of Chemistry, £45, ISBN 0-8540-4452-3.

Nichols A.L., ed., **Aerosol sampling guidelines**, Royal Society of Chemistry, £59.50, ISBN 0-8540-4457-4.

Ohshima H., Furusawa K., eds., **Electrical phenomena at interfaces** (Surfactant Science Series 76) **2nd edition, revised and expanded**, Marcel Dekker, US\$235, ISBN 0-8247-9039-1.

Okano, T. ed., **Biorelated polymers and gels: controlled releases and applications in biomedical engineering**

(Polymers, Interfaces, and Biomaterials Series), Academic Press, £64.95, ISBN 0-1252-5090-8.

Prevorsek D.C., ed., **Recent advances in polymer chemical physics**. Gordon and Breach, US\$78, ISBN 9-0569-9586-3.

Provdor Th., ed., **Particle size distribution III: assessment and characterization** (ACS Symposium Series 693). American Chemical Society, New York NY, U.S.A., US\$125.

Quirk R.P., ed., **Applications of anionic polymerization research** (ACS Symposium Series 696), Oxford University Press, New York, US\$125.

Recktenwald D., Radbruch A., eds., **Cell separation methods and applications**, Marcel Dekker, New York NY, U.S.A., US\$145.

Rossmagel S.M., Ulman A., eds., **Thin Films Vol. 25**, Academic Press, £87, ISBN 0-1253-3025-1.

Rousseau J., **Basic crystallography: a student textbook**, Wiley, paperback £19.99, ISBN 0-4719-7049-2; hardback £65, ISBN 0-4719-7048-4.

Sadana A., **Bioseparation of proteins: unfolding/folding and validations**, Academic Press, San Diego CA, U.S.A., US\$89.95.

Sandler S.R., Karo W., **Sourcebook of advanced polymer laboratory preparations**, Academic Press, US\$75/£49.95, ISBN 0-1261-8605-7.

Sandler S.R., Bonesteel J.A., Pearce E.M., **Polymer synthesis and characterization**, Academic Press, £28.95, ISBN 0-1261-8240-X.

Sato N., **Electrochemistry at metal and semiconductor electrodes**, Elsevier, Dfl.380/US\$218.50, ISBN 0-4448-2806-6.

Schilling Chr., Gray J.N., Gerhardt R., Watkins T., eds., **Nondestructive evaluation of ceramics** (Ceramic Transactions 89), American Ceramic Society, Westerville OH, U.S.A., US\$95.

Shah, D.O., ed., **Micelles, microemulsions, and monolayers: science and technology**, Marcel Dekker, US\$195.00, ISBN 0-8247-9990-9.

Soloman E.I., Hodgson K.O., eds., **Spectroscopic methods in bioinorganic chemistry** (ASC Symposium Series 692), American Chemical Society, New York NY, U.S.A., US\$135.

Utracki L.A., **Commercial polymer blends**, Chapman & Hall, New York, U.S.A., US\$130.

Volkov A.G., Deamer D.W., Tanelian D.L., Markin V.S., **Liquid interfaces in chemistry and biology**, Wiley, £75, ISBN 0-4711-4872-5.

Wang, Z.L., Kang, Z.C., **Functional and smart materials: structural evolution and structure analysis**, Plenum, US\$150 (U.S.A. and Canada US\$125; six or more copies US\$59.50 each), ISBN 0-3064-5651-6.

Wiesendanger R., **Scanning probe microscopy: analytical methods**, Springer, DM118, ISBN 3-4506-3815-6.

Wise D.L., Wnek G.E., Trantolo D.J., Cooper T.M., Gresser J.D., eds., **Photonic polymer systems: fundamentals, methods, and applications** (Plastics Engineering Series 49), Marcel Dekker, US\$250, ISBN 0-8247-0152-6.

8.6 Books 1999

Dabrowski A., ed., **Adsorption and its applications in industry and environmental protection** (Studies in Surface Science and Catalysis 120 A/B), Elsevier. Vol. 1 Applications in industry, Dfl.750/US\$431, ISBN 0-4445-0165-7. Vol. 2 Applications in environmental protection, Dfl.750/ US\$431, ISBN 0-4445-0166-5. Set price Dfl.1200/US\$689.50, ISBN 0-4448-2828-1.

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!

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