



*International Association of Colloid
and Interface Scientists*

NEWSLETTER NO. 26

NOVEMBER 1996

COMPILED BY J. LYKLEMA

INTERNATIONAL ASSOCIATION OF COLLOID AND INTERFACE SCIENTISTS

NEWSLETTER NO. 26

November 1996

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 26 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 assists planners to look ahead and avoid overlap. Hence, please keep me posted, even if the plans are only provisional.

1.2 Advertisements in the Newsletter

It is now possible to place advertisements in the Newsletter, but so far I have not received a request. Suggestions are welcome. For the sake of completeness, I repeat the conditions.

1. The total space, and distributions of advertisements over the NL should be such that the nature of the NL is not affected. For the same reason, the lettering and style should not differ too much from that of the NL. Texts for advertisements should be delivered camera-ready (black-white).
2. We shall not accept loose inserts.
3. Acceptation of an advertisement does not imply that IACIS endorses the promoted product, or prefers this product over other ones that are not advertised.
4. Advertisement space can be bought per page, half page or quarter page at prices of Dfl. 1500, Dfl. 750 and Dfl. 375, respectively.
5. Advertisements should be such that the rich should not get unreasonably more attention than the poor.
6. The regular departments of the NL remain unaffected.
7. Acceptance is always subject to the discretion of the President.

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 I.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, Department of Physical and Colloid Chemistry, 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 fysko@fenk.wau.nl.

(New telephone and fax numbers!)

3 IACIS NEWS

3.1 A word from the President

For the coming two years I will serve as President of IACIS. I see this as a great honour and as a challenging task since IACIS is an important organization. Interest in surface science has grown rapidly in recent years and the discipline is seen as a key technology in many industrial areas today. An organization such as IACIS, being the international forum for surface scientists in academia as well as in industry, should have an important role to play.

First of all, I would like to thank my predecessor, Professor Anne Marie Cazabat, for the time and effort she spent with the IACIS during her time as President. I would also like to take the opportunity to welcome the new members of the Council. I hope that, during the coming two years, we will see a continued growth of IACIS and I welcome all initiatives from Council members.

Every third year a large, world wide conference is held under the auspices of the IACIS. These meetings, which cover all important aspects of surface and colloid chemistry, have become established as an important event and meeting-place for academic and industrial researchers working in the field. The next conference in the series will be held in Sofia, Bulgaria in July 1997. I look forward to that meeting and hope to see many IACIS members then.

Finally, I would like to address our Newsletter Editor, Professor Hans Lyklema. Hans is one of the founding fathers of IACIS and has played a key role for the organization during all the years. He has now retired from the professor chair in Wageningen but has promised to continue to edit the Newsletters. For this I am very grateful.

September 1996

Krister Holmberg

3.2 From the Honorary Secretary and Treasurer

3.2.1 Elections for President-elect and Council

About 120 members (25% of total membership) have returned their ballot forms. The following seven persons were elected as ordinary Council members: De Coninck, Garti, Gregory, Hair, Malysa, Miller and Schwuger. (We extended this list to seven instead of the announced six because Mackay becomes the new President-elect and leaves a vacancy in the Council.) They will serve a term of four years. Five other members have served half of their term: Blake, Dékány, Findenegg, Platikanov, and Usui.

The Standing Committee (President, Immediate Past President, President-elect, and the Secretary) has also considered the list of co-opted Council members. According to our Constitution and Rules they serve for a period of two years but, as far as we could check, this term has often been extended. The Standing Committee has decided on two new co-opted members: Maitra and Mittal. For all the co-opted members, listed below, the term will end in the fall of 1998, but of course their co-option may be extended.

At this point we discovered a slight inconsistency in our Rules: The Standing Committee may appoint up to eight co-opted members (rule 10), but the extension of their term is at the discretion of the Council! In the next election round we will ask the members to consent with a proposal to change the rules, such that this extension can also be done by the Standing Committee.

Below is the full list of Standing Committee and Council, with the end of their term (fall 1998 or fall 2000) indicated between brackets.

President	Prof.dr. K. Holmberg	(1998)
President-elect	Prof.dr. R. Mackay	(1998)
Immediate Past President	Prof.dr. A.M. Cazabat	(1998)
Hon. Secretary and Treasurer	Prof.dr. G.J. Fleer	(1998)

Ordinary Council members	Prof.dr. T.D. Blake	(1998)
	Prof.dr. I. Dékány	(1998)
	Prof.dr. G.H. Findenegg	(1998)
	Prof.dr. D. Platikanov	(1998)
	Prof.dr. S. Usui	(1998)
	Prof.dr. J. de Coninck	(2000)
	Prof.dr. N. Garti	(2000)
	Prof.dr. J. Gregory	(2000)
	Prof.dr. M.L. Hair	(2000)
	Prof.dr. K. Malysa	(2000)
	Prof.dr. C.A. Miller	(2000)
	Prof.dr. M.J. Schwuger	(2000)

Co-opted Council members	Prof.dr. N.V. Churaev	(1998)
	Prof.dr. F. Csmpesz	(1998)
	Prof.dr. D. Exerowa	(1998)
	Prof.dr. A. Maitra	(1998)
	Prof.dr. K.L. Mittal	(1998)
	Prof.dr. J. Ralston	(1998)
	Prof.dr. P. Schurtenberger	(1998)
	Prof.dr. J. Lyklema	

3.2.2. Our "Hungarian connection"

In the past, we had several East-European members who paid their fee into an Hungarian account administered by Dr. F. Csmpesz. This has worked very well, but now that the borders are open it may be discussed whether this special Hungarian Fund is still necessary. After extensive contact between Krister Holmberg, Ferenc Csmpesz and myself we decided that the situation will be gradually normalised, by increasing the Hungarian membership fee yearly for the time span of five years from the present HuF 500 to US\$25. During this period the Hungarian account will continue to be administered by Dr. Csmpesz; thereafter, according to our judgement, there will no longer be a reason for special treatment of the East-Europeans.

3.2.3. Financial Report September 1995 / 1996

	in US\$	in Dfl	in Dfl
Balance per September 1, 1995			£ 8,098

Receipts

Membership fee, incl. wrong payment (in Dfl)		£ 17,451	
Membership fee (in US\$)	US\$ 398	£ 636	
Sponsoring ICSCS, Sofia (in US\$)	US\$ 10,500	£ 16,800	
Sponsoring ICSCS, Sofia (in Dfl)		£ 11,466	
Interest		<u>£ 64</u>	
			<u>£ 46,417</u>
			£ 54,515

Payments

Sponsoring (Moscow, Roma, Antwerp, Hungary)	£ 7,148		
Wrong payment	£ 1,570		
Bankcosts	£ 260		
Bankcosts, ICSCS	£ 119		
Printing/paper	£ 3,727		
Mailing	£ 1,026		
Costs (a.o. cheques, creditcards, a.o.)	£ 880		
Salary secretary	£ 2,100		
Computers	£ 1,000		
IUPAC-fee	<u>£ 113</u>		
			£ 17,943
Sponsor-amounts of 9th ICSCS to transfer to Sofia			£ 28,266
Balance per September 1, 1996			<u>£ 8,306</u>
			£ 54,515
			= £ 60

Hungarian Funds (in Hu Forint) HuF 5,000
(HuF 100 = Dfl 1.10)

Conferences sponsored by the Hungarian section:

NATO Meeting Szeged HuF 140,000
7th Coll. Chemistry in Eger HuF 50,000

Amounts are rounded. Conversion rate US\$1.00 = Dfl.1.60.

Number of members September 1, 1995 482
September 1, 1996 477

November 1996

Gerard Fleer

3.3 10th International Conference on Surface and Colloid Science (July 2000)

The President has decided that this conference will be hosted by the School of Chemistry of the University of Bristol, England. Contact person is Dr. T. Cosgrove, University of Bristol, School of Chemistry, Cantock's Close, Bristol BS8 1TS, U.K., Phone +44 (272) 303-686, Fax +44 (272) 250-612, E-mail terence.cosgrove@bristol.ac.uk.

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
Future: 9th Conference, Sofia, Bulgaria, 1997
10th Conference, Bristol, U.K., 2000.

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.

5 IUPAC NEWS

5.1 From 18 - 22 August 1997 the **36th IUPAC Congress** will be in Geneva, Switzerland, followed by the **39th IUPAC General Assembly** from 23 - 30 August 1997. During this assembly a meeting of the Commission on Colloid and Surface Chemistry Including Catalysis (I.6) will take place. See items 6.22 and 6.23 of this Newsletter.

5.2 Commission VI.1 Fundamental Environmental Chemistry

5.2.1. Report summer 1995 - summer 1996

This commission was founded in its present form at the General Assembly in Guildford. Effectively, the creation was realized via a transformation of the former Commission on Environmental Analytical Chemistry (V.9). The present

composition of the commission is given separately. The selection of suitable titular members for Bio-aspects of Environmental Chemistry has been laborious; the procedure is still going on and a concrete proposal for a working group in the field of Biophysical Chemistry of Environmental Systems, with at least three titular members, has been put forward.

Projects

At the end of 1995, the book "Metal Speciation and Bioavailability in Aquatic Systems", volume 3 of the Series on Analytical and Physical Chemistry of Environmental Systems, was released. It contains 11 chapters by leading scientists. Two further volumes of the Series are now in statu nascendi. These are the volumes on Soil Particles (12 chapters), which is in the final reviewing stage, and on Atmospheric Particles (15 chapters), which is in the stage of first review of the draft chapters. Three more programmes, on In-situ monitoring, on Biogeochemistry of iron (joint project with SCOR) and on Biophysical chemistry of environmental systems (proposal for a working group on "Physical Chemistry of Microbial Behaviour in Environmental Systems" just made) are in some early stage of preparation.

Contacts

Contacts on the level of joint operations are maintained with SCOR (Scientific Committee on Oceanic Research) and with IOCD (International Organization for Chemical sciences in Development).

A potentially important interdivisional activity with commissions V.2 (Microchemical Techniques) and VII.4 (Toxicology) is the joint project on Speciation, which was initiated in March 1996 (see above).

Herman P. van Leeuwen, commission chairman

5.2.2 Composition of Commission VI.1 Fundamental Environmental Chemistry

Titular members

Dr. H.P. van Leeuwen, chairman
Prof. G. Horvai, secretary
Prof. N. Senesi
Prof. D.R. Turner
Prof. P.M. Huang *
Dr. R. Blust *
Prof. A.J.B. Zehnder *

Associate members

Prof. A. Tessier
Prof. C.R. O'Melia
Prof. G. Sposito
Prof. A.J.B. Zehnder
Prof. L. Charlet
Prof. R.M. Harrison
Dr. L.A. Nelson
Dr. G.G. Leppard

National Representatives

Prof. R.E. van Grieken, Belgium
Dr. W. de F. Jardim, Brazil
Prof. X. Lu, China
Dr. D. Chakraborti, India
Prof. W. Davison, UK
Prof. J. Buffle, Switzerland
Dr. V. Zutic, Croatia **
Dr. M. Bekbolet, Turkey **
Dr. M. Popl, Czech Republic

*) proposed for Biophysical Chemistry of Environmental Systems (pool project)

**) under (re)consideration

Subcommittee on Environmental Interphases and Joint Working Party **with IOCD** unchanged.

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 International Conference on Complex Colloidal Systems in Oil Industry, 3-4 December 1996, Rueil-Malmaison, France. Contact: M.-F. Baltus, Institut Français du Pétrole, P.O. Box 311, 92506 Rueil-Malmaison Cedex, France. Phone +33 (1) 4752-6713, Fax +33 (1) 4752-7096.

6.2 Catalysis and Surface Science at High Resolution, (General Discussion 105 of the Faraday Division of the Royal Society of Chemistry), 16-18 December 1996, Reading, 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.

1997

6.3 6. Aachener Membran Kolloquium, 3-5 March 1997, Aachen, Germany. Contact: K.O. Schaller, GVC.VDI - Gesellschaft Verfahrenstechnik und Chemieingenieurwesen, P.O. Box 101 139, D-40002 Düsseldorf, Germany, Phone +49 (241) 805-149, Fax +49 (241) 888-8252.

6.4 Polymer Reaction Engineering III, 16-21 March 1997, Palm Coast, Florida, U.S.A. Contact: Engineering Foundation, 345 E. 47th Street, New York, NY 10017, U.S.A., Phone +1 (212) 705-7836, Fax +1 (212) 705-7441, E-mail engfnd@aol.com, <http://www.engfnd.org/engfnd>.

6.5 Emulsions, 19-21 March 1997, 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, School of Chemistry, University of Hull, Hull, HU6 7RX, U.K., Phone +44 (1482) 465-450, Fax +44 (1482) 466-410.

6.6 213th ACS National Meeting, 13-17 April 1997, San Francisco, California, U.S.A. The symposia include: *Division of Colloid and Surface Chemistry*: Contact: J.E. Crowell, Department of Chemistry and Biochemistry, University of California at San Diego, La Jolla, CA 92093-0314, U.S.A., Phone +1 (619) 534-5441, Fax +1 (619) 534-7244, E-mail jcrowell@ucsd.edu or @ucsd.bitnet.

- New Concepts in Surface Science.
- Colloid and Surface Chemistry of Advanced Materials: Surface Modification for Light Emission.
- Catalysis: Sol-Gel Synthesis of Catalysts.
- Cells at Interfaces.
- Fundamentals of Colloid and Surface Chemistry: General Papers/Poster Session.

6.7 Colloidal Dispersions, 14-16 April 1997, Wills Hall, U.K. Organised by the Colloid and Interface Science Group of the Faraday Division of the Royal Society of Chemistry. Contact: J. Proctor, School of Chemistry, University of Bristol, Cantock's Close, Bristol BS8 1TS, U.K., Phone +44 (117) 928-7647, Fax +44 (117) 925-1295.

6.8 5th Wolfgang-Ostwald-Kolloquium: Kinetics of Interfacial Phenomena, 26-27 April 1997, München, Germany. Contact: W. Nitsch, Institut für Technische Chemie, T.U. München, Lichtenbergstraße 4, D-80464 Garching, Germany, Phone +49 (89) 3209-3511.

6.9 Self-Assembly of Amphiphilic Systems, 26-29 May 1997, Spindlermühle, Czech Republic. Contact: H.-D. Dörfner, Technische Universität Dresden, Fachrichtung Chemie, Lehrstuhl für Kolloidchemie, Mommsenstraße 13,

D-01062 Dresden, F.R.G., Phone +49 (351) 463-7638, Fax +49 (351) 463-7107.

6.10 2nd Rilem Workshop on Hydration and Setting, 11-13 June 1997, Dijon, France. Contact: A. Nonat, Laboratoire de Recherche sur la Réactivité des Solides, UFR Sciences et Techniques, P.O. Box 400, 21011 Dijon cedex, France, Phone +33 (3) 8039-6166, Fax +33 (3) 8039-6132, E-mail Andre.Nonat@u-bourgogne.fr.

6.11 71st Colloid and Surface Science Symposium, 29 June - 2 July 1997, Newark DE, U.S.A. Contact: E.W. Kaler, Department of Chemical Engineering, Colburn Laboratory, University of Delaware, Newark, DE 19716, U.S.A., Phone +1 (302) 831-3553, Fax +1 (302) 831-4466, or R. Nelson, DuPont Company, Building 304, Room A-305, P.O. Box 80304, Wilmington, DE 19880-0304, U.S.A., Phone +1 (302) 695-3043/-2504.

6.12 Gordon Conference on Polymer Colloids, 29 June - 4 July 1997, Tilton School NH, U.S.A. Contact: D.C. Sundberg, VP for Research, 105 Main Street, T-Hall 107, Durham, NH 03824-3547, U.S.A., Fax +1 (603) 862-1997, E-mail dcs@christa.unh.edu.

6.13 Journées d'Electrochimie 1997, 2-5 July 1997, Montreal, Quebec, Canada. Contact: Bureau des Congrès, Ecole Polytechnique de Montréal, C.P. 6079, Succursale Centre-Ville, Montreal, Quebec, H3C 3A7 Canada, Phone +1 (514) 340-3215, Fax +1 (514) 340-4440, E-mail bureau.congres@mailsrv.polymtl.ca.

6.14 9th International IACIS Conference on Surface and Colloid Science, 6-12 July 1997, Sofia, Bulgaria. IACIS members will be allowed a discount on the conference fee. Contact: D. Platikanov or D. Exerowa, Institute of Physical Chemistry, Bulgarian Academy of Sciences, , BG-1113 Sofia, Bulgaria, Phone/Fax +359 (2) 971-2662, E-mail icscs97@ipchp.ipc.acad.bg. The topics are:
- Colloidal dispersions

- Capillarity
- Colloid stability
- Self-assembled matter
- Surfactants and polymers
- Charged particles and interfaces
- Dynamics of interfaces and colloids
- Biocolloids and biointerfaces
- Technological applications
- Environmental colloid science.

6.15 23rd Biennial Conference on Carbon: Novel Carbons for Gas Separation, Cleanup and Storage, 13-18 July 1997, Stage College, Pennsylvania, U.S.A. Contact: J. Hall, Conference Planner, The Pennsylvania State University, 225 Penn State Scanticon, University Park, PA 16802-7002, U.S.A., Phone +1 (814) 863-5130, Fax +1 (814) 863-5190, E-mail ConferenceInfo1@cde.psu.edu, <http://www.cde.psu.edu/C&I/Carbon97/>.

6.16 38th Microsymposium on Macromolecules, Recycling of Polymers, 14-17 July 1997, Prague, Czech Republic. Contact: B. Valter, Institute of Macromolecular Chemistry, Academy of Sciences of the Czech Republic, Heyrovského nám. 2, 162 02 Prague, 6-Petriny, Czech Republic, Phone +42 (2) 360-341, Fax +42 (2) 367-891, E-mail sympo@imc.cas.cz.

6.17 3rd International Conference on Materials Chemistry, 14-18 July 1997, Sheffield, 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.

6.18 17th Discussion Conference on Macromolecules Surface and Interfacial Phenomena in Macromolecular Systems, 21-24 July 1997, Prague, Czech Republic. Contact: B. Valter, Institute of Macromolecular Chemistry, Academy of Sciences of the Czech Republic, Heyrovského nám. 2, 162 06 Prague 6-Petriny, Czech Republic. Phone +42 (2) 360-341, Fax +42 (2) 367-891, E-mail sympo@imc.cas.cz.

6.19 **2nd European Coating Symposium Euomech 367: Fluid Mechanics of Coating Processes**, 22-25 July 1997, Strasbourg, France. Contact: C. Guilbert, Secrétaire - Congrès Louis Pasteur, 19 rue du Maréchal Lefèvre, F-67100 Strasbourg, France.

6.20 **IUPAC Conference Interfaces Against Pollution**, 10-13 August 1997, Wageningen, The Netherlands. Contact: Conference Secretariat IAP97, P.O. Box 8038, 6700 EK Wageningen, The Netherlands, Fax +31 (317) 483-777, E-mail IAP97@FENK.WAU.NL.

6.21 **Gordon Research Conference on Chemistry of Supramolecules and Assemblies**, 10-15 August 1997, Newport, Rhode Island, U.S.A. *Note revised date and place!* Contact: L. Romsted, Department of Chemistry, Rutgers-The State University of New Jersey, New Brunswick NJ 08903, U.S.A., Phone +1 (908) 445-3639, Fax +1 (908) 445-5312, E-mail romsted@rutchem.rutgers.edu.

6.22 **36th IUPAC Congress**, 18-22 August 1997, Geneva, Switzerland. Contact: J. Weber, Department of Physical Chemistry, University of Geneva, 30 quai Ernest-Ansermet, 1211 Geneva 4, Switzerland, Phone +41 (22) 702-6111, Fax +41 (22) 702-6518, E-mail weber@sc2a.unige.ch.

6.23 **39th IUPAC General Assembly**, 23-30 August 1997, Geneva, Switzerland. The IUPAC General Assembly is not open for general participation but restricted to members of IUPAC bodies. At that occasion the Divisions of Physical and Macromolecular Chemistry will convene, with sessions of their Commission, including Commission I.6 on Surface and Colloid Chemistry, including Catalysis. This Commission sponsors the conference "Interfaces against Pollution", see this NL item 6.20. For further details about the composition and activities of Commission I.6, see NL-25, item 5.2., for Commission VI.1 see this NL item 5.2.

6.24 **8th International Conference on Organized Molecular Films**, 24-29 August 1997, Asilomar, California,

U.S.A. Contact: Marketing Office, University Extension, University of California, Davis CA 95616-8727, U.S.A., Fax +1 (916) 757-8558, E-mail rmssimms@unexmail.ucdavis.edu.

6.25 **13th Scandinavian Symposium on Surface Chemistry**, 25-29 August 1997, Umeå, Sweden. Contact: 13th SSSC, Department of Physical Chemistry, Umeå University, S-90187 Umeå, Sweden, Fax +46 (90) 167 779, E-mail SSSC@chem.umu.se.

6.26 **214th ACS National Meeting**, 7-11 September 1997, Las Vegas, Nevada, U.S.A. The symposia include: *Division of Colloid and Surface Chemistry*: Contact: J.E. Crowell, Department of Chemistry and Biochemistry, University of California at San Diego, La Jolla, CA 92093-0314, U.S.A., Phone +1 (619) 534-5441, Fax +1 (619) 534-7244, E-mail jcrowell@ucsd.edu or @ucsd.bitnet.

- *Catalysis: Catalyst Design and Preparation for Industrial Applications*.

- *Fundamentals of Colloid and Surface Chemistry: General Papers/Poster Session*.

6.27 **Interaction of Acoustic Waves with Thin Films and Interfaces** (General Discussion 107 of the Faraday Division of the Royal Society of Chemistry), 8-10 September 1997, Leicester, U.K. Contact: R. Hillman, Department of Chemistry, University of Leicester, Leicester LE1 7RH, U.K.

6.28 **Euchem Conference on Environmentally Friendly Surfactants**, 13-16 September 1997, Stockholm, Sweden. Contact: The Swedish National Committee for Chemistry, Wallingatan 24 3tr, SE-111 24 Stockholm, Sweden, Phone +46 (8) 411-5280, Fax +46 (8) 106-678.

6.29 **11th Conference of the European Colloid and Interface Society (ECIS97)**, 14-19 September 1997, Lunteren, The Netherlands. Contact: Congress Secretariat ECIS97, Holland Organizing Centre, Parkstraat 29, 2514 JD The Hague, The Netherlands, Phone +31 (70) 365-7850, Fax +31 (70) 364-5748, E-mail ecis97@hoc.nl.

6.30 **2nd International Conference on Emulsion**, 23-26 September 1997, Bordeaux, France. Contact: Comité Mondial de l'Emulsion, 50 place Marcel Pagnol, 92100 Boulogne Billancourt, France, Phone +33 (1) 4761-7689, Fax +33 (1) 4761-7465.

6.31 **38. Hauptversammlung der Kolloid-Gesellschaft: Struktur, Dynamik und Eigenschaften disperser kolloidaler Systeme** (with international participation), 29 September - 2 October 1997, Essen, Germany. Main theme: Structure and Dynamics of Disperse Systems. Followed by a symposium **Disperse Kolloide für innovative Umwelttechnologien** on 2 October 1997. Contact: I. Gerisch, Institut für Umweltanalytik, Fachbereich 8, Chemie, Universitätsstraße 2, D-45141 Essen, Germany.

6.32 **7th International Symposium on Macromolecule - Metal Complexes**, 6-10 October 1997, Noordwijkerhout, The Netherlands. Contact: Y. Snellenberg, Leiden Institute of Chemistry, P.O. Box 9502, 2300 RA Leiden, The Netherlands, Phone +31 (71) 527-4459, Fax +31 (71) 527-4451, E-mail snellenb@chem.leidenuniv.nl.

6.33 **International Symposium on Advanced Technology of Fine Particles**, 12-16 October 1997, Yokohama, Japan. Contact: K. Fujimoto, Department of Applied Chemistry, Faculty of Science and Engineering, Keio University, 3-14-1 Hiyoshi, Yokohama 223, Japan, Fax +81 (45) 562-7626, E-mail Polymer2@applc.keio.ac.jp.

Preview 1998 and later

6.34 **International Symposium on Advances in Polymer Science and Technology MACRO'98**, January 1998, Madras, India. Contact: K.S.V. Srinivasan, Polymer Division, Central Leather Research Institute, Adyar, Madras 600-020, India, Phone +91 (44) 491-1386, Fax +91 (44) 491-1589, E-mail clri.simetm.emet.in, or H. Kothandaraman, Department of Polymer Science, University of Madras,

Guindy Campus, Madras-25, India, Phone +91 (44) 235-1269 ext. 215, Fax +91 (44) 566-693.

6.35 **Electrokinetic Phenomena**, Spring 1998, perhaps 15-17 April 1998, Austria, venue to be decided. Contact: V. Ribitsch, Universität Graz, Institute für physikalische Chemie, Abteilung für Rheologie und Kolloidforschung, Heinrichstraße 28, A-8010 Graz, Austria, Phone +43 (316) 380-5418, Fax +43 (316) 380-9850, E-mail Volker.ribitsch@kfunigraz.ac.at.

6.36 **72nd Colloid and Surface Science Symposium**, June 1998, University Park PA, U.S.A. Contact: N. Nagarajan, 158 Fenske Laboratory, The Pennsylvania State University, University Park, PA 16802-4400, U.S.A., Phone +1 (814) 865-2574, Fax +1 (814) 865-7846.

6.37 **12th Surfactants in Solution Conference**, 8-12 June 1998, Stockholm, Sweden. Contact: M. Lindgren, Institute for Surface Chemistry, P.O. Box 5607, S-114 86 Stockholm, Sweden, Phone +46 (8) 790-9908, Fax +46 (8) 208-998, E-mail malin.lindgren@surfchem.kth.se.

6.38 **4th World Congress on Particle Technology**, 13-15 July 1998, Birmingham, 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.

6.39 **37th International Symposium on Macromolecules MACRO '98**, 13-17 July 1998, Gold Coast Queensland, Australia. Contact: MACRO '98 AUSTRALIA, Chemistry Department, The University of Queensland, Brisbane, Qld. 4072, Australia, Fax +61 (7) 365-3628.

6.40 **International Conference on Colloid Chemistry and Physical-Chemical Mechanics devoted to the centennial of P.A. Rebinder's birthday**, October 1998, Moscow, Russia. Contact: A.V. Pertsov, Chemistry Faculty, Moscow State University, Moscow 119899, Russia, E-mail Pertsov@rehb.chem.msu.su, or A.I. Rusanov, University of St.

Petersburg, Faculty of Chemistry, Sredni Prospekt 41/43, St. Petersburg B-4, Russia, Phone +7 (812) 218-9733, Fax +7 (812) 218-1346, E-mail korn@org.chem.lgu.sp6.54.

6.41 12th Conference of the European Colloid and Interface Society (ECIS98), 20-25 October 1998 (provisional). Contact: D. Tezak, University of Zagreb, Department of Chemistry, P.O. Box 163, 10000 Zagreb, Croatia.

6.42 XV European Chemistry at Interfaces Conference, 25-30 October 1998, Jerusalem, Israel. Contact: S. Magdassi, The Hebrew University of Jerusalem, Casali Institute of Applied Chemistry, Givat Ram Campus, Jerusalem 91904, Israel, Phone +972 (2) 584-526/586-743, Fax +972 (2) 528-250.

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

6.44 10th International Conference on Surface and Colloid Science, July 2000, Bristol, U.K. Contact: T. Cosgrove, School of Chemistry, Cantock's Close, Bristol BS8 1TS, U.K. See also item 3.3 of this Newsletter.

6.45 ACS National Meetings

215th 29 March - 3 April 1998, St. Louis, Missouri
 216th 23-28 August 1998, Orlando, Florida
 217th 21-26 March 1999, Anaheim, California
 218th 22-27 August 1999, New Orleans, Louisiana
 219th 26-31 March 2000, Las Vegas, Nevada
 220th 20-25 August 2000, Washington DC
 221st 1-6 April 2001, San Francisco, California
 222nd 19-24 August 2001, Chicago, Illinois.

7 REGIONAL AND PERSONAL NEWS

7.1 Personal News

Obituary - Vladimir Maksovich Muller (1938-1995)

On December 23rd, 1995 Vladimir Maksovich Muller suddenly died at the age of 58 years. He was a member of the editorial board of the Russian Colloid Journal, an excellent Russian scholar, Doctor in the chemical sciences and head of the laboratories of the Institute of Physical Chemistry of the Russian Academy of Sciences.

After finishing in 1991 his study at the Faculty of Physics of the Moscow State University, Vladimir Maksovich was, on behalf of the Ministry of Higher Education, for three years detached to work as a teacher at a lyceum in Bamako, in the republic of Mali. Having returned he entered the Institute of Physical Chemistry as an "aspirant", a period that was successfully concluded with defending his "candidate" thesis. After this, his career continued at the Institute of Physical Chemistry, where he held successively positions from that of junior to senior co-worker. In March 1984 he defended his "doctor's" thesis, giving him the title of Doctor in the chemical sciences. Since 1989 he administrated the Laboratory of Surface Forces, taking over this job from Prof. Deryagin, member of the Academy.

The scientific interests of Vladimir Maksovich were mainly in the domains of colloid chemistry and the physical chemistry of surface phenomena. He developed a new thermodynamic method to compute the disjoining pressure in thin electrolyte layers. He theoretically studied reversible coagulation; he derived equations for determining the kinetic coefficients for the coagulation of disperse systems and obtained some rigorous and numerical solutions for reversible coagulation in discrete and integral forms. He verified the theory of capillary osmosis for solutions of symmetrical and asymmetrical electrolytes. He resolved the problems of the correlations

between electrostatically charged surfaces, taking non-localized adsorbed charges into account.

He developed theoretical foundations for selecting the appropriate compounds for electrographic developing, involving suspensions of charged particles. He theoretically studied the influence of contact deformation in particle adhesion, together with the connection between electrostatic and molecular forces and the work of adhesion for elastic and plastic deformations. He formulated and solved equations for cleaning liquids of colloidal particles in a radial grain filter.

During the later years he paid attention to issues related to computer modelling of the formation of aggregates under dynamic conditions. He developed a theory for the adhesive interactions between biological cells in a flowing liquid, taking into account the deformation of the cells upon coagulation. His last publication dealt with the development of a theory for the adsorption of ionic surfactants on charged surfaces. In this way he was able to analyse different adsorption mechanisms.

From the hand of Vladimir Maksovich more than 100 papers appeared in national and international journals. He was the co-author of the monograph "Surface Forces", published in the Soviet Union and in the U.S.A. He was a member of three specialist councils for the defence of theses at Moscow State University and at the Institute for Physical Chemistry of the Russian Academy of Sciences and has been a member of the editorial board of Journal of Colloid Interface Science.

For more than ten years has he joined forces with us in the editorial board of *Kolloidnyi Zhurnal*. With profound feelings of gratitude and warmth we will remember this remarkable personality, our good comrade and friend, a real Russian erudite and a good scientist.

Colleagues of the Editorial Board of *Kolloidnyi Zhurnal*
(transl. J. Lyklema)

Our honorary secretary and treasurer, Professor **Gerard J. Fleer**, has been honored by the Division of Colloid and Surface Chemistry of the American Chemical Society to present the Langmuir lecture at the occasion of the 212th ACS National Meeting in Orlando, Florida, August 1996.

The Rebinder prize, the main (triennial) award of the Russian Academy of Sciences in colloid chemistry, has been awarded for the second time. The winners are the joint Ukrainian-Russian team, Prof. **N.V. Pertsov**, Acad. **F.D. Ovcharenko** and Prof. **Z.R. Ulberg**, who submitted for competition their work "Selective aggregation of microorganisms with dispersed metals and their compounds as the base for new biotechnologies of enrichment in metallurgy and of environmental protection".

Professor A.I. Rusanov, St. Petersburg University, has been elected President of the Mendelev Russian Chemical Society.

This year's recipient of the American Chemical Society Award in Colloid and Surface Chemistry is Professor **Theo G.M. van de Ven**, Director of the Pulp and Paper Research Centre, McGill University, Montreal, Canada.

7.2 International and Regional News

Europe

The present president (1996-1997) of the **European Colloid and Interface Society (ECIS)** is Prof. Conxita Solans (Barcelona, Spain). President-elect is Prof. B. Lindman (Lund, Sweden).

U.K.

The Officers of the **Colloid and Interface Science Group of the Royal Society of Chemistry** for 1996 are: Dr. R. Buscall Chairman, Dr. P. Williams Honorary Treasurer, and I.C. Callaghan Newsletter Editor. Honorary Secretary is Dr. I.D.

Robb, North East Wales Institute, Connah's Quay, Deeside, Clwyd, CH5 4BR, U.K., Phone +44 (1978) 293-133, Fax +44 (1978) 290-008.

U.S.A.

The Officers of the **Colloid and Surface Chemistry Division of the American Chemical Society** for 1996 are Anastasia Morfesis, Chairman, Noel H. Turner, Chair-elect, and Scott F. Mitchell, Newsletter Editor. Secretary is Martha (Martij) Hilton, The Dow Chemical Company, 2301 N. Brazosport Blvd./B-4810, Freeport, TX 77541-3257, Phone +1 (409) 238-5248, Fax +1 (409) 238-2347, E-mail Mhilton@dow.com.

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. Mention 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 author of this Newsletter.

8.1 Books 1994

Beysend, D., Campi, X., and Pefferkorn, E., eds., **Proceedings of the Workshop: Fragmentation Phenomena, Les Houches, 12-17 April 1993**, World Science, Singapore.

Interrante, L.V., Casper, L.A., and Ellis, A.B., **Materials Chemistry: an Emerging Discipline** (Advances in Chemistry Series 245), American Chemical Society, US\$79.95, ISBN 0-8412-2809-4.

Macosko, C.W., **Rheology, Principles, Measurements, and Applications**, VCH Publishers, New York NY, U.S.A., US\$95.00.

8.2 Books 1995

Bai, C., **Scanning Tunneling Microscopy and its Application** (Springer Series in Surface Science 32), Springer, DM128.00, ISBN 3-540-59346-2.

Ben-Nissan, B., ed., **Proceedings from the Seminar Sol-Gel: A New Manufacturing Technology** for Australia, held 11 July 1991 at the University of Technology, Sydney, Trans Tech, Aedermannsdorf, Switzerland.

Bertel, E., and Donath, M., eds., **Electronic Surface and Interface States on Metallic Systems** (Proceedings 134th We-Heraeus Seminar, Bad Honnef, Germany, October 1994), World Science, Singapore, Singapore.

Blyholder, G.D., Davis, B.H., and Franes, E.I., eds., **Infrared Studies of Surface and Adsorbed Species; Special Issue in Honor of Robert Eischens** (A selection of papers presented at the 208th ACS meeting, Washington DC, U.S.A., August 1994), Elsevier, Amsterdam, The Netherlands.

Bonneviot, L., and Kaliaguine, S., **Zeolites: A Refined Tool for Designing Catalytic Sites**, Elsevier, Dfl.425.00/US\$265.75, ISBN 0-444-82130-9.

Conway, W.D., and Petroski, R.J., eds., **Modern Counter-current Chromatography** (ACS Symposium Series 593), American Chemical Society, Washington DC, U.S.A., \$69.95.

Dai, H.-L., Ho, W., eds., **Laser Spectroscopy and Photochemistry on Metal Surfaces Part II**, World Science, Singapore.

Davis, H.T., ed., **Statistical Mechanics of Phases, Interfaces and Thin Films**, VCH, Weinheim, Germany.

Elimelech, M., Gregory, J., Jia, X., and Williams, R.A., **Particle Deposition and Aggregation: Measurement, Modeling, and Simulation**, Butterworth-Heinemann, US\$140.00, ISBN 0-7506-0743-2.

Ferreira, M.G.S., and Simoes, A.M.P., eds., **Electrochemical Methods in Corrosion Research V** (Proceedings 5th International Symposium, Sesimbra, Portugal, September 1994), Trans Tech, Aedermannsdorf, Switzerland.

Flory, F.R., ed., **Thin Films for Optical Systems**, Marcel Dekker, New York NY, U.S.A.

Gengupta, A.K., ed., **Ion Exchange Technology: Advances in Pollution Control**, Technomic Publishing Co., Lancaster PA, U.S.A., US\$89.00.

Halevi, P., ed., **Photonic Probes of Surfaces**, (Electromagnetic Waves: Recent Development in Research, Vol. 2), Elsevier, Dfl. 575.00/US\$359.50, ISBN 0-444-82198-8.

Healy, T.W., Grieser, F., and Furlong, D.N., eds., **A Collection of Invited Papers in Honour of Geoffrey T. Barnes** (special issue Colloids Surfaces A), Elsevier, Amsterdam, The Netherlands.

Hencsei, P., and Kalman, E., eds., **Conference on Corrosion Chemistry in Memoriam Kurt Schwabe**, Akad. Kiado, Budapest, Hungary.

Hianik, T., and Passechnik, V.I., eds., **Bilayer Lipid Membranes, Structure and Mechanical Properties**, Kluwer, Dordrecht, The Netherlands.

Hicks, J.M., Ho, W., and Dai, H.-L., eds., **Laser Techniques for Surface Science II** (proceedings of a conference held in San Diego CA, U.S.A., July 1995), SPIE, Bellingham WA, U.S.A.

Horbett, Th.A., and Brash, J.L., eds., **Proteins at Interfaces II: Fundamentals and Applications** (Developed from a symposium at the 207th National Meeting of the American Chemical Society, San Diego CA, U.S.A., March 1994; ACS Symposium Series 602), American Chemical Society, US\$129.95, ISBN 0-8412-3304-7.

Horie, K., and Yamashita, T., eds., **Photosensitive Polyimides: Fundamentals and Applications**, Technomic, SFR. 276.00, ISBN 1-56676-297-9.

Inagaki, N., **Plasma Surface Modification and Plasma Polymerization**, Technomic, SFR. 181.00, ISBN 1-56676-337-1.

Karge, H.G., and Weitkamp, J., eds., **Zeolite Science 1994**, Elsevier, Dfl.475.00/US\$297.00, ISBN 0-444-82308-5.

Leung, K.T., and Liu, W.K., eds., **Proceedings of Surface Canada '95 and the 25th Anniversary Special Symposium for Progress in Surface Science held in Waterloo, Ontario, May 25-27, 1995**, Pergamon, New York NY, U.S.A.

Liehr, M., Heyns, M., Hirose, M., and Parks, H., eds., **Ultraclean Semiconductor Processing Technology and Surface Chemical Cleaning and Passivation** (Symposium held in San Francisco CA, U.S.A., April 1995), Materials Research Society, Pittsburgh PA, U.S.A.

Lovett, D.R. and Tilley, J., eds., **Demonstrating Science with Soap Films**, Inst. Phys., Bristol, U.K.

Luth, H., ed., **Surfaces and Interfaces of Solids**, Springer, Berlin, Germany.

Magonov, S.N., and Whangbo, M., eds., **Surface Analysis with STM and AFM: Experimental and Theoretical Aspects of Image Analysis**, VCH, Weinheim, Germany.

Maracek, V., and Samec, Z., eds., **Electrochemical Processes on Liquid Membranes** (Proceedings of a conference held in Trest, Czech Republic, June 1994), Pergamon, Oxford, U.K.

Masel, R.I., **Principles of Adsorption and Reaction on Solid Surfaces**, Wiley, Chichester, U.K.

Morawetz, H., **Polymers: The Origins and Growth of a Science**, Dover Publishing, Mineola NY, U.S.A., US\$11.95.

Nakatani, A.I., and Dadmun, M.D., **Flow-Induced Structure in Polymers** (ACS Symposium Series 597), American Chemical Society, US\$99.95, ISBN 0-8412-3230-X.

Niewiadomski, H., Szepańska, H., eds., **Statistical Mechanics of Phases, Interfaces and Thin Films**, VCH, New York NY, U.S.A.

Oechsner, H., ed., **Applied Surface Analysis: Part 1** (Proceedings of a conference held in Kalserslautern, September 1994), Springer, Berlin, Germany.

Pajares, J.A., and Tascón, J.M.D., **Coal Science** (Proceedings of the 8th International Conference on Coal Science, Oviedo, Spain, September 1995) in **two volumes**, Elsevier, Dfl.950.00/US\$593.75, ISBN 0-444-82227-5.

Pinnavaia, Th.J., and Thorpe, M.F., eds., **Access in Nanoporous Materials**, Plenum, New York NY, U.S.A.

Reichmanis, E., Ober, C.K., MacDonald, S.A., Iwayanagi, T., and Nishikubo, T., eds., **Microelectronics Technology: Polymers for Advanced Imaging and Packaging** (ACS Symposium Series 614), American Chemical Society, US\$134.95, ISBN 0-8412-3332-2.

Sabatini, D.A., Knox, R.C., and Harwell, J.H., eds., **Surfactant-Enhanced Subsurface Remediation: Emerging Technologies** (ACS Symposium Series 594), American Chemical Society, US\$84.95, ISBN 0-8412-3225-3.

Sangster, R.C., and Baer, G., eds., **Si Silicon; Supplements Volume B 5d 1: Silicon Nitride: Electrochemical Behavior, Colloidal Chemistry and Chemical Reactions**, Springer, Berlin, Germany.

Sharma, R., ed., **Surfactant Adsorption and Surface Solubilization** (ACS Symposium Series 615), American Chemical Society, US\$97.95, ISBN 0-8412-3333-0.

Tang, Y.S., ed., **Physics of Semiconductor Nanostructures**, World Science, Singapore, Singapore.

Ulman, A., ed., **Organic Thin Films and Surfaces: Directions for the Nineties** (Thin Films Vol. 20), Academic Press, San Diego CA, U.S.A., US\$85.95.

Xiao, H.X., and Frisch, K.C., eds., **Advances in Urethane Ionomers Vol. 1**, Technomic, SFr. 124.00, ISBN 1-56676-289-8.

Zini, P., **Polymeric Additives for High Performing Detergents**, Technomic Publishing Co., Lancaster PA, U.S.A., US\$65.00.

Zoller, P., and Walsh, J., **Standard Pressure-Volume-Temperature Data for Polymers**, Technomic, SFr. 466.00, ISBN 1-56676-328-2.

8.3 Books 1996

Arends, Ch.B., ed., **Polymer Toughening**, Marcel Dekker, US\$160.00, ISBN 0-8247-9474-5.

Audebert, R., Djabourov, M., and Livage, J., eds., **Gels** (Faraday Discussions, September 1995), Elsevier, Paris, France.

Barthel, J., Dautzenberg, H., Horn, D. and Oppermann, W., eds., **Discussion Meeting and First International Symposium on Polyelectrolytes in Solution and at Interfaces, held September 18-22, 1995**, VCH, Weinheim, Germany.

Becher, P., ed., **Encyclopedia of Emulsion Technology, Volume 4**, Marcel Dekker, US\$199.00 (discount price for Volumes 1-4 US\$597.00).

Benita, S., ed., **Microencapsulation. Methods and industrial applications**, Marcel Dekker, US\$150.00, ISBN 0-8247-9703-5.

Brash, J.L., and Wojciechowski, P.W., eds., **Interfacial Phenomena and Bioproducts** (Bioprocess Technology Series 23), Marcel Dekker, US\$175.00, ISBN 0-8247-9651-9.

Busca, G., ed., **Vibrational Spectroscopy of Adsorbed Molecules and Surface Species on Metal Oxides**, Elsevier, Amsterdam, The Netherlands.

Butterfield, D.A., ed., **Biofunctional Membranes**, Plenum Press, New York NY, U.S.A., US\$89.50.

Chattopadhyay, A.K., and Mittal, K.L., eds., **Surfactants in Solution** (Surfactant Science Series 64), Marcel Dekker, US\$175.00, ISBN 0-8247-9792-2.

Cheremisinoff, N.P., and Cheremisinoff, P.N., eds., **Handbook of Applied Polymer Processing Technology** (Plastics Engineering Series 31), Marcel Dekker, US\$195.00, ISBN 0-8247-9679-9.

Chon, H., Woo, S.I. and Park, S.-E., eds., **Recent Advances and New Horizons in Zeolite Science and Technology** (Studies in Surface Science and Catalysis 102), Elsevier, Dfl.425.00/US\$265.75, ISBN 0-444-82499-5.

Chow, G.-M., and Gonsalves, K.E., eds., **Nanotechnology: Molecularly Designed Materials** (ACS Symposium Series 622), American Chemical Society, US\$114.95, ISBN 0-8412-3392-6.

Ciardelli, F., Tsuchida, E., and Wöhrle, D., eds., **Macromolecule-Metal Complexes**, Springer, DM 198.00, ISBN 3-540-59383-7.

Clough, R.L., Billingham, N.C., and Gillen, K.T., eds., **Polymer Durability: Degradation, Stabilization, and Lifetime Prediction** (Advances in Chemistry Series 249), American Chemical Society, US\$139.95, ISBN 0-8412-3134-6.

Clough, R.L., and Shalaby, S.W., eds., **Irradiation of Polymers: Fundamentals and Technological Applica-**

tions (ACS Symposium Series 620), American Chemical Society, US\$109.95, ISBN 0-8412-3377-2.

Crawford, G.P., and Zumer, S., eds., **Liquid Crystals in Complex Geometries: Formed by Polymer and Porous Networks**, Taylor and Francis, London, U.K.

Cummins, H.Z., Durlan, D.J., Johnson, D.L., and Stanley, H.E., eds., **Disordered Materials and Interfaces** (Symposium held in Boston, Massachusetts, November 1995), Materials Research Society, Pittsburgh PA, U.S.A.

Czachor, A., ed., **Proceedings of the II International School and Symposium on Physics in Materials Science Surface and Interface Engineering**, held in Jaszowiec, Poland, September 1995, Polish Academy of Sciences, Warsaw, Poland.

Dabrowski, A., and Tertykh, V.A., eds., **Adsorption on New and Modified Inorganic Sorbents**, Elsevier, Dfl.625.00/US\$390.75, ISBN 0-444-82179-1.

Desjonquères, M.-C., and D. Spanjaard, **Concepts in Surface Physics**, Springer, DM98.00, ISBN 3-540-58622-9.

Dhont, J.K.G., **An Introduction to Dynamics of Colloids**, Elsevier, Dfl.475.00/US\$297.00, ISBN 0-444-82009-4.

Edelman, Chr., ed., **First International Workshop on Interaction of Gases with Solids Affecting Vacuum Processes**, held 28 May - 1 June 1995, in Magdenburg, Germany, Pergamon, Oxford, U.K.

Fawcett, A.H., ed., **Polymer Spectroscopy**, Wiley, New York NY, U.S.A., US\$95.00.

Fogarassy, E., Geohagan, D., and Stuke, M., eds., **Laser Ablation** (Proceedings of Symposium F: Third International Symposium on Laser Ablation COLA '95 of the 1995 E-MRS Spring Conference, held in Strasbourg, France, May 1995), Elsevier, Amsterdam, The Netherlands.

Ghosh, M.K., and Mittal, K.L., **Polyimides - Fundamentals and Applications** (Plastics Engineering Series 36), Marcel Dekker, US\$225.00, ISBN 0-8247-9466-4.

Glass, J.E., ed., **Hydrophilic Polymers** (ACS Advances in Chemistry Series 248), American Chemical Society, £95.00, ISBN 0-8412-3133-8.

Grant, D.W., **Capillary Gas Chromatography**, John Wiley, New York NY, U.S.A., US\$69.95.

Hamers, R., Weaver, M., Weimer, M., and Weiss, P., eds., **Papers from the Eighth International Conference on Scanning Tunneling Microscopy/Spectroscopy and Related Techniques**, AIP, Woodbury NY, U.S.A.

Hedrick, J.L., and Labadie, J.W., **Step-Growth Polymers for High-Performance Materials: New Synthetic Methods** (ACS Symposium Series 624), American Chemical Society, US\$125.95, ISBN 0-8412-3394-2.

Hightower, J.W., Delgass, W.N., Iglesia, E., and Bell, A.T., eds., **11th International Congress on Catalysis - 40th Anniversary** (in 2 volumes + CD-ROM), Elsevier, Dfl.950.00/US\$593.75, ISBN 0-444-81947-9.

Hsieh, H.L., and Quirk, R.P., **Anionic Polymerization** (Plastic Engineering Series 34), Marcel Dekker, US\$225.00 (on orders of five or more copies, for classroom use only, US\$65.00), ISBN 0-8247-9523-7.

Hsieh, H.P., **Inorganic Membranes for Separation and Reaction** (Membrane Science and Technology 3), Elsevier, Dfl.475.00/US\$297.00, ISBN 0-444-81677-1.

Hwang, H.L., and Tsong, T.T., eds., **Proceedings of the Seventh International Conference on Solid Films and Surfaces**, Hsinchu, Taiwan, ROC, December 12-16, 1994, Elsevier, Amsterdam, The Netherlands.

Isayev, A.I., Kyu, T., and Cheng, S.Z.D., eds., **Liquid-Crystalline Polymer Systems: Technological Advances**

(ACS Symposium Series 632), American Chemical Society, US\$125.95, ISBN 0-8412-3408-6.

Ito, Y., and Conway, W.D., eds., **High-Speed Countercurrent Chromatography**, Wiley, New York NY, U.S.A.

Karna, S.P., and Yeats, A.T., eds., **Nonlinear Optical Materials: Theory and Modeling** (ACS Symposium Series 628), American Chemical Society, US\$89.95, ISBN 0-8412-3401-9.

Kawaji, S., Kleyn, A.W., Murata, Y., and Wandelt, K., eds., **Proceedings of the 13th International Vacuum Congress and the 9th International Conference on Solid Surfaces (IVC-13/ICSS-9)**, held in Yokohama, Japan, September 1995, Elsevier, Amsterdam, The Netherlands.

Kiejna, A., and Wojciechowski, K.F., **Metal Surface Electron Physics**, Pergamon, £85.00 (US\$135.00), ISBN 0-08-042675-1.

Knypl, E.T., ed., **Synthesis, Applications and Analysis of Aqueous Dispersions and Solutions of Polymers** (3rd Seminar held at Ustron-Jaszowiec, Poland, October 1995), Ośrodek Badawcze-Rozwojowy Kauczukow i Tworzyw Winiowych Oswiecim, Poland.

Kricheldorf, H.R., ed., **Silicon in Polymer Synthesis**, Springer, DM 198.00, ISBN 3-540-58294-0.

Lasic, D.D., and Yechezkel, B., eds., **Handbook of Nonmedical Applications of Liposomes, Vol. I: Theory and Basic Sciences, Vol. IV: From Gene Delivery and Diagnostics to Ecology**, CRC, Boca Raton FL, U.S.A.

Leading Colloid Scientists of the CIS Countries (in Russian; English translation in preparation), Scientific Council on Colloid Chemistry and Physical-Chemical Mechanics of the Russian Academy of Sciences, Moscow, Russia.

Lorenz, W.J., Budevski, E.B., and Stalkov, G.T., eds., **Electrochemical Phase Formation and Growth**, VCH, Weinheim, Germany.

Lough, W.J., and Wainer, I.W., eds., **High Performance Liquid Chromatography: Fundamental Principles and Practice**, Blackie, Glasgow, U.K.

Lucovsky, G., ed., **Vacuum, Surfaces, and Films** (Papers presented at the 42nd American Vacuum Society Symposium, held in Minneapolis, Minnesota, October 1995), AIP, Woodbury NY, U.S.A.

Lüth, H., **Surfaces and Interfaces of Solid Materials** (Springer Study Edition), Springer, DM68, ISBN 3-540-58576.

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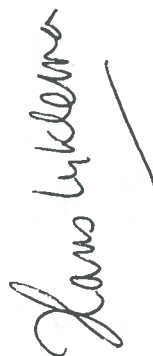
9 NEWSLETTER IDEAS AND INFORMATION

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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(New telephone and fax numbers!)

A handwritten signature in dark ink, reading "Hans Lyklema". The signature is written in a cursive style with a long horizontal stroke at the end.