

IACIS

INTERNATIONAL ASSOCIATION OF COLLOID
AND INTERFACE SCIENTISTS

COLLOID AND INTERFACE SCIENCE INTERNATIONAL NEWSLETTER

No. 9 - February 1985

COMPILED BY J. LYKLEMA

1. PURPOSE OF THE NEWSLETTER

The main purpose 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 more informed about important developments and forthcoming events, so that they can better plan their activities well ahead. In addition, it is hoped that this information is useful for planners of scientific meetings.

2. STATUS OF THE NEWSLETTER

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 & Colloid Science (Commission I.6) before IACIS was formally established. These letters were sent to IUPAC officials and to about 200 colloid and interface scientists in 28 countries, free of charge.

NL 3 appeared in June 1980 under IACIS auspices. It was also sent to those who are on the mailing list of NL 1 and NL 2.

Starting with NL 4, the Newsletters are only sent to IACIS-members, free of charge.

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 can not accept any responsibility for them.

The council agreed to appoint Prof.dr. J. Lyklema (Lab. for Physical and

Colloid Chem. of the Agr. Univ., de Dreijen 6, 6703 BC Wageningen, The Netherlands) as the formal Newsletter Secretary. Any NL correspondence should be sent to him.

3. IACIS NEWS

3.1 President's Message

Our Association was formally established in 1981. We are entering into the fourth year of existence, which means that we should be past "infancy" for a scientific organization. In looking back we can note certain progress and some failures. IACIS has been successful in bringing order in the scheduling of international conferences and it has supported a number of specialized meetings. We have established communications among scientists from all parts of the world.

On the negative side, we should note that our membership is still small and it is not growing at a satisfactory rate. In particular, we find it difficult to enrol members in countries that cannot easily transfer (or even afford) hard currency for the membership fee (as small as it is).

Another problem, which we have already dealt with is the proper representation in the Association's Council. Steps are being taken to achieve a better geographic as professional distribution of the Council membership.

Our primary task should be to find solutions which will enable as many professionals in our discipline as possible to join IACIS and to prove to these people that this society serves a useful purpose.

During the 5th International Conference on Surface and Colloid Science to be held at Clarkson University in June 1985, we expect one thousand participants. This gathering will offer an excellent opportunity to attract more members, but also to gather suggestions as to the future operation of IACIS. The Council meeting, which will take place on that occasion, should be

in the position to take actions necessary to benefit our profession and its members.

In the hope to see you in Potsdam, I wish all our loyal members and friends a most successful and happy New Year.

Cordially,

Pgon Matijević

President.

3.2 Election of Vice Presidents.

As a result of the recent election, Profs. Ficke, Hunter and Suito will serve as Vice-Presidents. According to Statute 6 their terms will terminate in July 1985, when the next election for all Council Members will have to take place.

For the constitution of Council, see NL8-3.2.

3.3 Statutes and Bylaws

A small number of changes in the provisional statutes and bylaws is now under consideration by council; the purpose is to make them definitive.

3.4 From the Membership Secretary

Membership is slowly, but steadily, increasing and as off Jan. 1st 1985 amounts to 332.

At short notice the members will receive an invitation to pay their fee for 1985, and any arrears. Financially IACIS is in good shape, so that we can substantially sponsor the Potsdam Symposium in June. Accordingly, IACIS members will be granted a tangible reduction in the registration fee.

During the Potsdam meeting there will be a General Meeting of IACIS

members, the date of which has not yet been specified. Suggestions for topics to be discussed are welcome.

4. IUPAC COMMISSION ON SURFACE AND COLLOID CHEMISTRY, INCLUDING CATALYSIS (Commission I.6)

For the composition of this commission, see NL8-4.

At present the Commission is paying much attention to catalyst characterization.

A provisional report "Reporting Data on Adsorption from Solution" (D.H. Everett) is now completed and entered the process of publication.

The manuals "Reporting Physisorption Data for Gas-Solid Systems" (K.S.W. Sing) and "Reporting Experimental Pressure-Area Data with Film Balances" (L. Ter Minassian-Saraga) will hopefully be published soon, probably in Pure and Applied Chemistry.

The Commission is to meet at the occasion of the 33rd General IUPAC Assembly, Lyon, France, August - Sept. 1985. Among other items, the development of plans for the future is on the agenda.

For more information: Prof. E. Wolfram, secretary. Address: Loránd Eötvös Univ., Dept. Colloid Science, P.O. Box 328, H-1088 Budapest, Hungary.

5. IACIS-SPONSORED MEETINGS

5.1 International Conference on Surface and Colloid Science

(previously IUPAC-sponsored, now under auspices of IACIS)

History: 1st Conference, Budapest, 1973:

2nd Conference, Puerto Rico, 1976

3rd Conference, Stockholm, 1979

4th Conference, Jerusalem, 1981

Future: 5th Conference, Potsdam, NY, U.S.A., 1985 (see under 5.2)

6th Conference, Japan, 1988.



W E L C O M E !

VELKOMMEN! D'ikaa d'wina

Dobro došli! TERVETULOA!

SERDÉCNIE WITAMY! ようこそ

Bemvenuto! BINE AȚI VENIT!

SOYEZ LES BIENVENUS! Vítajte!

مرحباً! VÄLKOMMEN!

崔欠 迎 ΔΟΒΡΟ ПОЖАЛОВАТЬ!

SZERETETTEL VÁRUNK! WELKOM!

BIENVENIDO! WILKOMMEN!

ΔΟΒΡΕ Δοшави! BENVINDO!

5.2 Fifth International Conference on Surface and Colloid Science, sponsored by IACIS to be held together with the 59th Colloid and Surface Science Symposium of the ACS on the campus of Clarkson College of Technology, Potsdam, NY, U.S.A., June 24-28, 1985.

For details of the programme, see NL8-5.2.

IACIS-members are cordially invited to participate. They will be entitled to a reduced fee.

The Chairman of the organizing committee is Prof. F. Matijević.

Here follows a message from Prof. Kratochvíl, program chairman:

This joint meeting, co-sponsored by the Division of Colloid and Surface Chemistry of the American Chemical Society, the International Association of Colloid and Interface Scientists, and the Int. Union of Pure and Applied Chemistry, will be held on the campus of Clarkson Univ. (formerly Clarkson College of Technology) in Potsdam, NY, U.S.A., June 24-28, 1985. The joint meeting is being organized by Clarkson's Inst. of Colloid and Surface Science. Plenary lecturers will be Ivan Giaever (Schenectady, NY, U.S.A.) and Pierre-Gilles de Gennes (Paris, France).

The scientific program will include more than 500 papers to be presented in parallel sessions dealing with colloidal dispersions, interfaces, biocolloids and biosurfaces. Sessions on general topics will also be arranged. The submitted papers originate from more than thirty countries; about three-fifths of the speakers will be from outside the U.S.A.

The full program and details on registration, travel, housing, meals, and special events will appear in Chemical and Engineering News, probably during February 1985. Address inquiries to Prof. F. Matijević (general chairman) or J.P. Kratochvíl (program chairman), Inst. of Colloid and Surface Science, Clarkson Univ., Potsdam, NY 13676, U.S.A.

5.3 The 6th International Conference will be held in Japan, either in Fuji-Hakone or Tokyo, June 5-10, 1988. Until a secretary of the Organizing Committee is appointed, information from Prof. K. Shinoda, Dept. of Applied Chem., Faculty of Engineering, Yokohama Natl. Univ., Rokiwadai, Hodogaya, Yokohama 240, Japan, or from Prof. Suito.

6. CONFERENCES IN THE FIELD OF SURFACE AND COLLOID SCIENCE

NOTE 1. If information is already given in a previous Newsletter, it will not be repeated here, but a reference will be made in the following fashion: NL3-6.36 is item 36 of section 6 of Newsletter 3.

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.

6.1 Polymer Liquid Crystals (Faraday Discuss. No.79) April 1-3, 1985, Cambridge, U.K. See NL8-6.49. A poster session will also be held.

6.2 The Stabilization and Flocculation of Colloidal Systems by

Polyelectrolytes (Roy. Soc. of Chem.), April 10-11, 1985, Bath, U.K.

Contact: Dr. J.W. Goodwin, School of Chemistry, The University, Cantock's Close, Bristol BS8 1TS, U.K.

6.3 Int. Symp. on Biocatalysts in Organic Syntheses, April 14-17, 1985,

Noordwijkerhout, The Netherlands. Contact: J. Tramper, Dept. of Food Science of the Agr. Univ., P.O. Box 8129, 6700 EV Wageningen, The Netherlands.

6.4 Elektrokinetische Erscheinungen '85. Messmethodik und Anwendungen, April 15-16, 1985, Dresden, G.D.R. Contact: Akademie der Wissenschaften der

D.D.R., Institut für Technologie der Polymere, 8012 Dresden, Postfach 411, G.D.R.

6.5 Materials Research Society. Spring Meeting, April 15-18, 1985, San Francisco, CA, U.S.A. Contact: J.B. Ballance, Materials Research Soc. Headquarters, 9800 McKnight Rd, Suite 327, Pittsburgh, PA 15237, U.S.A.

6.6 Conference on Polymer Surfaces and Interfaces, April 15-19, 1985, Univ. of Durham, U.K. Contact: W.J. Feast, Dept. of Chem., Sciences Labs., South Rd., Durham DH1 3LE, U.K.

6.7 Int. Symposium-Workshop on Particulate and Multi-phase Processes and 16th Annual Fine Particle Soc. Meeting, April 22-26, 1985, Miami Beach, FL, U.S.A.

6.8 ACS, 189th Natl. Meeting, April 28 - May 3, 1985, Miami Beach, FL, U.S.A.
See NL8-6.50. Here follow more details of the Symposia:
Surface Chemistry in Biology, Medicine, and Dentistry: Interfacial Phenomena in the Oral Cavity. Contact P.O. Glatz, Lund Univ., School of Dentistry, Carl Gustavs väg 34, S-214 21 Malmö, Sweden, or A.J. Gwinnett, SUNY, Buffalo, NY, U.S.A.
Molecular Processes at Solid Surfaces. Contact: L.D. Schmidt, Dept. Chem. Engineering, Univ. of Minnesota, Minneapolis, MN 55455, U.S.A.
Surface Science of Catalysis: Activation of Carbon Oxides by Oxides and Oxidized Metal Catalysts. Contact: H.H. Kung, Dept. Chem., Case Western Reserve Univ., Cleveland, OH 44106, U.S.A.
Surfactants and Association Colloids: Magnetic Resonance and Scattering in Surfactant Systems. Contact: L.L. Magid, Dept. Chem., Univ. of Tennessee, 575 Buehler Hall, Knoxville, TN 37996-1600, U.S.A.

Colloidal Particles: Advances in Pigment & Latex Dispersion. Contact: G.D. Parfitt, Carnegie-Mellon Univ., Dept. Chem. Engineering, Schenley Park, Pittsburgh, PA 15213, U.S.A.

Electrodeposited Films. Contact: S. Bruckenstein, Dept. Chem., State Univ. of New York, Buffalo, NY 14214, U.S.A.

Kendall Award Symposium (winner to be announced).

General Papers in Catalysis and Related Subjects.

General Papers.

Fluid/Fluid Interfaces: ADSORPTIVE BUBBLE SEPARATION TECHNIQUES. Contact:

Prof. T.E. Carleson, Dept. Chem. Engineering, Univ. of Idaho, Moscow, ID 83843, U.S.A. INTERFACIAL AND RHEOLOGICAL ASPECTS OF FOAMS. Contact:

Prof. H. Brenner, Dept. Chem. Engineering, Massachusetts Inst. of Technology, Cambridge, MA 02139, U.S.A. THIN FILM FLUID MECHANICS.

Contact: Prof. X.B. Reed, Dept. of Chem. Engineering, Univ. of Missouri-Rolla, MO 65401, U.S.A.

Chemical Physics of Colloidal Phenomena: STATISTICAL MECHANICS OF MICROEMULSIONS. Contact: Prof. Sow-Hsin Chen, Dept. of Nuclear

Engineering, Bldg 24, Room 209, MIT, Cambridge, MA 02139, U.S.A. Co-sponsored by the Physical Chem. Div.

Surfactants and Association Colloids: MAGNETIC RESONANCE AND SCATTERING

IN SURFACTANT SYSTEMS. Contact Prof. L.Lee Magid, Dept. of Chem, Univ. of Tennessee, College of Liberal Arts, 575 Buehler Hall, Knoxville, TN 37996-1600, U.S.A.

Industrial Applications of Surface & Colloid Chemistry: SURFACE CHEMISTRY

AND RHEOLOGY OF AGRICULTURAL PESTICIDE FORMULATIONS. Contact: Dr. R.L.

Cryberg or H.F. George, SDS Ritech Corp., World Headquarters, 7528

Auburn Rd, P.O. Box 348, Painesville, OH 44077, U.S.A.

Polymeric Surfactants (Polymer Divs.): Polysoaps, Amphiphilic Polymers,

Polymerizable Surfactants, Polymerized Vesicles. Contact: Dr. P. Dublin,

- 6.15 Int. Symp. on Noncrystalline Order in Polymers, May 27-30, 1985, Naples, Italy. Contact: A. Sfrigu, Dipartimento di Chimica, Università di Napoli, Via Mezzocannone 4, I-80134 Naples, Italy.
 - 6.16 Int. Membrane Technology Symp., May 28-30, 1985, Työlösand, Sweden. Contact: A-B Madsen, Lung Inst. of Technology, P.O. Box 118, S-221 00 Lund, Sweden.
 - 6.17 4th Int. Symp. Agglomeration, June 2-5, 1985, Toronto, Canada. See NL8-6.51.
 - 6.18 Research Seminar in Polymer Science, June 2-8, 1985, Rreidach, G.F.R. (ACS, Polymer Divs./German Polym. Divs.). Contact: M. Tirrell, Dept. of Chem. Engineering & Materials Science, Univ. of Minnesota, 151 Armundson Hall, 421 Washington Ave., S.E. Minneapolis, MN 55455, U.S.A.
 - 6.19 Science and Technology of Polymers Interfacing with Metals and Ceramics, June 10-12, 1985, Hyannis, MA, U.S.A. (ACS, Polymer Divs.). Contact: J. Vogl, Divs. of Polymer Chem., Polytechnic Inst. of New York, Brooklyn, NY 11201, U.S.A.
 - 6.20 5. Europ. Konferenz "Mischen", June 10-12, 1985, Würzburg, G.F.R. (GVC, Germany). Contact: A. Mersmann. Lehrstuhl B für Verfahrenstechnik, Technische Universität München, Arcisstrasse 21, D-8000 München-2, G.F.R.
 - 6.21 Conference on Silanes, Surfaces and Interfaces, June 19-21, 1985, Snowmass, CO, U.S.A. Contact: J.W. Ryan. Mail Stop CO 2430, Dow Corning Corp. Midland, MI 48640, U.S.A.
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- 6.9 Int. Symposium honoring H.F. Mark's 90th birthday, May 6-7, 1985, New York, U.S.A. (ACS Polymer Divs.). Contact: O. Vogel, Polytechnic Inst. of New York, 333 Jay Street, Brooklyn, NY 11201, U.S.A.
 - 6.10 Int. Symp. on Properties of Polymers and Drug Delivery, May 8-10, 1985, Stockholm, Sweden. Contact: Swedish Acad. of Pharmaceutical Sciences, P.O. Box 1136, S-111 81 Stockholm, Sweden.
 - 6.11 7th Int. Symp. on Applied Surface Analysis, May 15-17, 1985, Univ. of Maryland, U.S.A. Contact: J.S. Murday, Naval Research Lab., Washington, DC 20375, U.S.A.
 - 6.12 Morphologie und Eigenschaften polymerer Systeme Hauptversammlung 1985 der Deutschen Ransen-Gesellschaft, May 16-18, 1985 Aachen. Contact: GVC VDI-Gesellschaft Verfahrenstechnik und Chemieingenieurwesen, Graf-Recke-Strasse 84, Postfach 1139, D-4000 Düsseldorf 1, Telefon (0211)6214-257, Telex 8 586 525.
 - 6.13 2nd US-Dutch Int. Symposium on Aerosols, May 19-24, 1985, Williamsburg, VA, U.S.A. Contact: SI Duk Lee, U.S. Coordinator, US Environmental Protection Agency, MD-52, Research Triangle Park, NC 27711, U.S.A.
 - 6.14 Polymer Latex II, May 21-22, 1985 (Plastics & Rubber Inst.), London. U.K. Contact: M.D. Shuttleworth, Plastics & Rubber Inst., 11 Hobart Place, London SW1W 0HL, U.K.

6.22 5th International IACIS Conference on Surface and Colloid Science, joint with the 59th Colloid and Surface Science Symp. (ACS-Div. of Colloid & Surface Science), June 24-28, 1985, Potadam, NY, U.S.A. See this NL-5.2. and NL8-5.2 for the program.

6.23 2nd Int. Conference on Langmuir-Blodgett Films, July 1-4, 1985, Schenectady, NY, U.S.A. Contact: G.L. Gaines, General Electric R & D Center, P.O. Box 8, Schenectady, NY 12301, U.S.A.

6.24 28th Prague Microsymp. on Macromolecules: Polymer Composites, July 8-11, 1985, Prague, Czechoslovakia. See NL8-6.53.

6.25 11th Int. Conference on Organic Coatings Science & Technology, July 8-12, 1985, Athen, Greece. Contact: A.V. Patais, Inst. of Materials Science, SUNY, New Paltz, NY 12561, U.S.A.

6.26 7th Int. Symp. on Solute-Solvent Interactions, July 15-19, 1985, Reading, U.K. Contact: A.D. Pethybridge, Dept. of Chem., Univ. of Reading, Whiteknights, Reading, Berks RG6 2AD, U.K.

6.27 7th Int. Summer Inst. in Surface Science (ISIS), July 22-26, 1985, Milwaukee, WI, U.S.A. (emphasis on solid-gas interface). Contact: R. Vanselow, Dept. of Chem. and Laboratory for Surface Studies (CHEM 343), Univ. of Wisconsin at Milwaukee, Milwaukee, WI 53201, U.S.A.

6.28 Physical Interactions and Energy Exchange at the Gas-Solid Interface (Faraday Discuss. No.80), July 23-25, 1985, Hamilton, Ontario, Canada. See NL8-6.54.

6.29 Int. Clay Conference, July 28 - August 2, 1985, Denver, CO, U.S.A. Contact: Western Experience Ltd., 2458 Central Ave, P2 Boulder, CO 80302, U.S.A.

6.30 Zeolite '85 - Int. Conference on the Occurrence, Properties and Utilization of Natural Zeolites, August 12-16, 1985, Budapest, Hungary. Contact: F.A. Mumpton, Dept. of the Earth Sciences SUNY, C at Brockport, Brockport, NY 14420, U.S.A.

6.31 7th Int. Symp. on Cationic Polymerization, August 12-15, 1985, Jena, G.D.R. Contact: G. Heublein, Sektion Chemie, Friedrich-Schiller Universität, DDR-6900 Jena, G.D.R.

6.32 30th Int. Symp. on Macromolecules, August 18-23, 1985, The Hague, The Netherlands. See NL7-6.65.

6.33 IUPAC, 33rd General Assembly, August 30 - Sept. 7, 1985, Lyon, France, with meetings of the Commissions on Surface and Colloid Science, including Catalysis, and of the Macromolecular Division.

6.34 6th Int. Symp. on Bioaffinity, Chromatography and Related Techniques, Sept. 1-6, 1985, Prague, Czechoslovakia. Contact: J. Turková, Dept. of Biochemistry, Inst. of Organic Chemistry, Czechoslovak Acad. Science, Flemingovo 2, CS-166 10 Praha 6, Czechoslovakia.

6.35 VI World Round Table Conference on Sintering, Sept. 2-6, 1985, Herceg Novi, Yugoslavia. Contact: the Serbian Acad. of Sciences and Arts, Dept. of Int. Relations, Knez Mirolova 35, 11000 Beograd, Yugoslavia.

- 6.36 30th IUPAC Congress, Sept. 9-13, 1985, Manchester, U.K., with a.o. a symposium on Micellar Systems. Contact: R.H. Ottewill, School of Chemistry, The University, Cantock's Close, Bristol BS8 1TS, U.K. See further NL8-6.58.
- 6.37 15th Int. Aerosol Congress, Sept. 10-13, 1985, Lugano, Switzerland. Contact the congress office: International Aerosol Association, Waisenhausstrasse 2, CH-8001 Zürich, Switzerland.
- 6.38 ACS, 190th Natl. Meeting, Sept. 11-13, 1985, Chicago, IL, U.S.A. Among other things, there will be the following symposia:
Heterogeneous equilibria in Surfactant Systems. Contact: R.H. Laughlin, Miami Valley Labs, Proctor and Gamble Co., P.O. Box 39175, Cincinnati, OH 45247, U.S.A.
The Assessment of Particle Size Distributions. Contact: T. Provder, Polymer Research and Computer Science, Glidden Coatings and Resins, SCM Corp., 16651 Sprague Rd, Strongsville, OH 44136, U.S.A.
Theories of Interfacial Structure, Dynamics and Function. Contact: J.A. Mann, Dept. of Chem. Engineering, Case Western Reserve Univ., Cleveland, OH 44106, U.S.A.
Dynamics of Lyotropic Liquid Crystals. Contact: W.J. Benton, Dept. of Chem. Engineering, Rice Univ., P.O. Box 1892, Houston, TX 77251, U.S.A.
Kinetics and Intermediates in Surface Reactions, characterized by Molecular Beam Studies. Contact: S.T. Ceyer, Dept. of Chem., Mass. Inst. of Technology, Cambridge, MA 02139, U.S.A.
Vibrational Spectroscopy of Electrode Surfaces. Contact: M.R. Philpott, IBM Corporation, 5600 Cottie Rd, San Jose, CA 95193, U.S.A.
Foam Stability. Contact: M.M. Breuer, Personal Care Division, Gillette Company, Gillette Park, Boston, MA 02106, U.S.A.

- Convective Instabilities and Pattern Formation in Liquid Films. Contact: W.B. Krantz, Dept. of Chem. Engineering, Univ. of Colorado, Boulder, CO 80309, U.S.A.
- 6.39 Int. Symp. on Suspensions, Sept. 23-25, 1985, Loughborough, U.K. Contact: Th.F. Tadros, ICI, Plant Protection Div., Jealott's Hill Research Station, Bracknell, Berksh. RG12 6EY, U.K.
- 6.40 Molecular Approach to Lubrication and Wear, Sept. 23-25, 1985, Cambridge, U.K. Contact: M.P. Dare-Edwards, Shell Research Ltd., P.O. Box 1, Chester CH1 3SH, U.K.
- 6.41 VI Yugoslav Symposium on Surface Active Agents, Sept. 25-27, 1985, Vrnjacka Banja, Yugoslav Committee for Surface Active Agents, Hemyska Industrija "Merima", 37000 Krusevac, Dedina bb, Yugoslavia.
- 6.42 32. Hauptversammlung der Kolloid-Gesellschaft: Polymere als Kolloide Systeme, Oct. 2-4, 1985, Berlin, G.F.R. Contact: J. Springer, Institut für Technische Chemie, Abteilung Makromolekulare Chemie, Technische Universität, Strasse des 17. Juni 135, 1000 Berlin-12, G.F.R.
- 6.43 ECASIA 85: European Conference on Applications of Surface and Interface Analysis, Oct. 14-18, 1985, Veldhoven, The Netherlands. Contact: W.J. van Ooij, Akzo Research, Corporate Research Department Arnhem, Postbus 60, 6800 AB Arnhem, The Netherlands.
- 6.44 14th Katchalsky Conference on DNA-protein Interaction, Oct. 21-26, 1985, Bielefeld, G.F.R. Contact: E. Neumann, Univ. of Bielefeld, Center of Interdisciplinary Research, Bielefeld, G.F.R.

- 6.45 4th Int. Symposium on the Biophysics of Cell Surfaces, Oct. 27 - Nov. 1, 1985, Heringdorf, G.D.R. Contact: Gesellschaft für Physikalische und Mathematische Biologie der DDR, Am Kupfergraben 7, 1080 Berlin, G.D.R.
- 6.46 Kolloide Dispersionen: Herstellung, Eigenschaften, Anwendung, Nov. 3-11, 1985, Schloss Reinhardtsbrunn, G.D.R. Contact: J. Netzel, Zentralinstitut für Physikalische Chemie der Akademie der Wissenschaften der DDR, Rudower Chaussee 5, 1199 Berlin, G.D.R.
- 6.47 Advances in Experimental Techniques for Colloidal Phenomena (session of Am. Inst. Chem. Engineering Meeting), Nov. 10-15, 1985, Chicago, IL, U.S.A. Contact: C.S. Hirtzel, Dept. of Chem. and Environmental Engineering, Rensselaer Polytechnic Inst., Troy, NY 12181, U.S.A.
- 6.48 VIII Conference on Surface Forces, Nov.-Dec. 1985, Moscow. Contact: B.V. Deryagin, Inst. Physical Chem., Acad. of Sciences, 31 Leninskiy Prospekt, 117312 Moscow V-312, U.S.S.R.
- 6.49 Phase Transitions in Adsorbed Layers, Dec. 17-18, 1985, Oxford, U.K. See NL8-6.60
- 6.50 Interfacial Rheology, Dec. 17, 1985, London, U.K. Contact: J.W. Goodwin, School of Chemistry, The University, Cantock's Close, Bristol BS8 1TS, U.K.
- 6.51 ACS, 191st Natl. Meeting, April 6-11, 1986, Atlantic City, U.S.A. Contact: A.T. Winstead, ACS, 1155-16th Street NW, Washington, DC 20036, U.S.A.

- 6.52 7th Conference on Surface and Colloid Chem. of the Czechoslovak Chem. Soc., April 7-10, 1986, Liblice (near Prague), Czechoslovakia. Contact: J. Kloubek, OFCHE-IH CSAV, Máchova 7, 121 38 Prague 2, Czechoslovakia.
- 6.53 Lipid Vesicles and Membranes (Faraday Discuss. No.81), April 15-17, 1986, Loughborough, U.K. Contact: D.A. Haydon, Physiological Lab., Downing Street, Cambridge CB2 3EG, U.K.
- 6.54 Partec/Powtech '86, 1st World Congress Particle Technology, April 16-18, 1986, Nürnberg, G.F.R. Contact: Prof. Leschonski, Universität Clausthal-Zellerfeld, Mech. Verf. Tech., Leibnitzstrasse 15, D-3392 Clausthal-Zellerfeld, G.F.R.
- 6.55 4th World Congress Filtration, April 22-25, 1986, Ostende, Belgium. Contact: KVIV, Technologisch Instituut, Jan van Rijswijkelaan 38, B-2018 Antwerpen, Belgium.
- 6.56 2nd Conference Fundamentals of Adsorption (Am. Eng. Foundation), May 4-9, 1986, Santa Barbara, CA, U.S.A. Contact: H.A. Comerer, Engineering Foundation, 345 East 47th Street, New York, NY 10017, U.S.A.
- 6.57 IX Europ. Chemistry at Interfaces Conference (Provisional), May 19-25, 1986, Zakopane, Poland. Contact: J. Czarnecki, Inst. of Catalysis and Surface Chem., Polish Acad. of Sciences, Ul Miezapominajek, 30-239 Kraków, Poland.
- 6.58 Molecular Interactions Between Interfaces (Euchem), June, 1986, Stockholm, Sweden. Contact: P. Stenius, Ytkemiska Institutet, Drottning

Kristinas väg 45, Stockholm, Sweden.

6.59 7th Int. Summer Conference on Solid-Liquid Interfaces. See NL7-6.64. In view of the clash with the 5th IACIS meeting in Potsdam, this conference is now (tentatively!) planned June 23 - July 3, 1986, in Yugoslavia. Venue to be decided. Contact: V. Pravdić, Center for Marine Research "Rudjer Bošković", P.O. Box 1016, 41001 Zagreb, Yugoslavia.

6.60 6th Int. Symp. on Surfactants in Solution, August 18-22, 1986, New Delhi, India. Contact: K.L. Mittal, 6 David Court, Poughkeepsie, NY 12603, U.S.A.

6.61 ACS, 192nd Natl. Meeting, Sept. 7-12, 1986, Anaheim, CA, U.S.A. Contact: A.T. Winstead, ACS, 1155-16th Street NW, Washington, DC 20036, U.S.A.

Advance Notices

1987 ACS 193 April 5-10, Denver, CO, U.S.A.

ACS 194 August 30 - Sept. 4, New Orleans, U.S.A.

1988 6th Int. IACIS Conference. See this NL-5.3.

Xth Europ. Chem. at Interfaces Conference in Italy

Xth Int. Congress on Rheology, in August, Sydney, Australia.

7. CONTACT ADDRESSES

As it is one of IACIS' prime goals to improve international cooperation in Colloid and Interface Science, it is useful to have contact addresses of organizations in various countries. Such lists can be found in previous Newsletters.

Some mutations and addenda:

U.K. The Chairman of the Colloid & Interface Group of the Faraday Division of the Royal Soc. of Chem. is now Dr. J.W. Goodwin, School of Chemistry, The University, Cantock's Close, Bristol BS8 1TS, U.K. For address NL-editor, see NL8-7. Present Membership amounts to 608.

U.S.A. ACS-Macromolecular Secretariat: R.S. Graff, Du Pont & Co., Chestnut Run Laboratory, Wilmington, DE 19898, U.S.A.

Florida State Univ. System has established a Center for Surface Science and Engineering at the Univ. of Florida, Gainesville, FL 32611, U.S.A.

Dr. D.O. Shak is the Director.

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

8.A New Journals

Reviews in Chemical Engineering, N.R. Amundson, D. Luss, Eds. Four issues per volume. Vol.1 (1983) Dfl. 125.00 (private rate) or Dfl. 225.00 (institutional rate), excluding postage and handling; Vol.2 (1984/85) Dfl. 125.00 or Dfl. 237.50 including; Vol.3 (1985) Dfl. 125.00 or Dfl. 250.00 including. Kluwer Academic Publishers Group, P.O. Box 322, 3300 AH Dordrecht, The Netherlands.

8.B Serials

Adhesion

Vol. 8: K.W. Allen, Ed., Elsevier (1984) €35.00/\$64.75.

Advances in Catalysis

Vol. 32: D.D. Eley, H. Pines, P.B. Weisz, Eds., Academic Press (1983) \$74.50.

Advances in Liquid Crystals

Vol. 6: G.H. Brown, Ed., Academic Press (1984), \$80.00.

Advances in Polymer Science

(Springer, Berlin, G.F.R.)

Vol. 56 Anionic polymerization (1984)

Vol. 62 Initiators. Polyreactions. Optical activity. (1984)

Vol. 64 Polymer membranes (1984)

Applied Industrial Catalysis

(Academic Press)

B.E. Leach, Ed., Volume 1 (1983) \$43.00, Volume 2 (1983) \$49.50, Volume 3 (1984) in prep.

Chemical Engineering Monographs

(Elsevier, Amsterdam/New York)

Vol. 19 The Kinetics of Industrial Crystallization, J. Nyvlt, O. Söhnel, M. Matuchová, M. Broul (1984) \$67.25 (outside US and Canada Dfl. 175.00)

Chemical Industries Series

(Marcel Dekker, New York/Basel)

Vol. 15 Characterization of Heterogeneous Catalysts, F. Delannay, Ed. (1984) SFr. 185.00.

Vol. 17 Catalyst Poisoning, L.L. Hegedus, R.W. McCabe, Eds. (1984) \$39.75 (outside US and Canada \$47.50)

The Chemical Physics of Solid Surfaces and Heterogeneous Catalysis

(Elsevier, Amsterdam)

Vol. 3: Chemisorption Systems, Pt B, D.A. King, D.P. Woodruff, Eds. (1984)

Coal Science

(Academic Press, New York)

Vol. 2 John W. Larsen, Ed. (1983) \$ 55.00

Comprehensive Chemical Kinetics

C.H. Bamford, C.F.H. Tipton and R.G.

Compton (editors, from 1983) Elsevier Science Publishers, Amsterdam and N.Y.

Vol. 19 Simple Processes at the Gas-Solid Interface (1984) U.S.\$ 135.25/Dfl.

365.--, subscr. price U.S. \$ 124.--/Dfl. 335.--

Vol. 21 Reactions of Solids with Gases (1984) U.S. \$ 79.75/Dfl. 215.--, subscr. price U.S. \$ 70.25/Dfl. 190.--

Developments in Polymer Characterization

(Elsevier, New York)

Volume 3 (1982) €33.00/\$61.25, Volume 4 (1983) €33.00/\$61.25.

International Fiber Science and Technology Series (Marcel Dekker, Basel, Switzerland)

Vol. 2 Handbook of Fiber Science and Technology, M. Lewin, S.B. Sello, Eds.

(1984) Vol. I Fundamentals and Preparation Part A SFr. 190.00, Part B SFr. 225.00, Vol. II Functional Finishes Part A SFr. 272.00, Part B SFr. 283.00.

International Series of Monographs on Chemistry

(Oxford Univ. Press, U.K.)

Volume 1 Theory of Molecular Fluids, Fundamentals, C.G. Gray, K.E. Gubbins (1984) £55.00.

Phase Transitions and Critical Phenomena

(Academic Press)

C. Domb, J.L. Lebowitz, Eds., Volume 7 (1983) \$60.00, Volume 8 (1983) \$80.00.

Polymers, Properties and Applications (Springer, Berlin, G.F.R.)

Vol. 7 Introduction to polymer spectroscopy, W. Klöpffer (1984)

Process Technology Proceedings (Elsevier, Amsterdam/New York)

Vol. 2 Industrial Crystallization '84, S.J. Jancic, F.J. de Jong, Eds., \$113.50
(Dfl.295.00 outside U.S.A. and Canada)

Studies in Physical and Theoretical Chemistry (Elsevier, Amsterdam/New York)

Vol.24 Physical Chemistry of Transmembrane Ion Motions, G. Spack et al., Ed.
(1983) \$138.25 (outside US and Canada Dfl.325.00)
Vol. 26 Aggregation Processes in Solution, E. Wyn-Jones, J. Gormally, Eds.
(1983) \$138.25 (outside US and Canada Dfl.325.00)

Studies in Surface Science and Catalysis (Elsevier, Amsterdam/New York)

Vol.12 Metal Microstructures in Zeolites, P.A. Jacobs et al., Eds. (1982)
£76.75/Dfl.165.00

Vol.18 Structure and Reactivity of Modified Zeolites, Proc. of an Int.

Conference, Prague 1984, P.A. Jacobs et al., Eds. (1984) \$77.00/Dfl.200.00

Vol.19 Catalysis on the Energy Scene, Proc. of the 9th Canadian Symposium on
Catalysis, Québec, September 1984 U.S.\$ 109.50/Dfl. 285.--

Surfactant Science Series (Marcel Dekker, New York/Basel)

Vol.12 Amphoteric Surfactants, B.R. Bluestein, C.L. Hilton, Eds. (1982) \$37.50
(outside US and Canada \$45.00)

Vol.13 Demulsification: Industrial Applications, K.J. Lissant (1983)

\$37.50/\$45.00

Vol.14 Surfactants in Textile Processing, A. Datyner (1983) \$49.50/\$59.25

Vol.15 Electrical Phenomena at Interfaces, Fundamentals, Measurements, and

Applications, A. Kitahara, A. Watanabe, Eds. (1984) \$79.50/\$95.25

Topics in Bioelectrochemistry and Bioenergetics (John Wiley & Sons, New York)

Vol.V: G. Milazzo, Ed. (1983) £48.00.

8.C Books 1982

Colloids in Food, E. Dickinson, G. Stainsby, Applied Science Publ., New York, \$3.00

Surface Physics and Chemistry (Russ.), Kh.B. Khokonov, Ed., Kabard.-Balkar. Gos. Univ. Nalchik, U.S.S.R., Rub. 1.

8.D Books 1983

Microscopic Theory of Water in Pores of Membranes (Russ.), V.Ya. Antonchenko, Naukova Dumka Kiev, U.S.S.R., Rub. 1.90

Active Centers of Montmorillonite and Chemisorption (Russ.), E.A. Aripov, A.A. Agzamkhodzhaev, Fan Tashkent, U.S.S.R., Rub.1.40

Laboratory Course on Colloidal Chemistry (Russ.), V.I. Baranova, E.F. Bibik, N.M. Kozhevnikova, Vysshaya Shkola Moscow, U.S.S.R., Rub. 0.65

Physicochemical Principles of Flotation Theory (Russ.), O.S. Bogdanov, A.M. Golman, I.A. Kakovskii, Nauka Moscow, U.S.S.R. Rub. 3.50

Colloides et Interfaces (Fr.), A.M. Cazabat, M. Veyssie, Les Editions de Physique, 91944 Les Ulis, France, FFr.400.00

Press, Orlando, U.S.A./London, U.K., \$65.00

Advances in Colloidal Chemistry (Russ.), F.D. Ovcharenko, Ed., Naukova Dumka Kiev, U.S.S.R.

Preparation of Catalysts, G. Poncelet et al., Eds., Proceedings 3rd international symposium, Elsevier, Amsterdam

Ions at the Helium 4-Solid Superfluid Interface, D. Savignac, J.

Rodensohn, P. Leiderer, 75th Jubilee Conf. Helium 4, World Sci. Singapore, Singapore

Development in Ionic Polymers - I, A.D. Wilson, H.J. Prosser, Eds., Applied Science Publ.

8.E Books 1984

Determination of surface structure by LEED Proceedings of a conference held in New York, June 19-20, 1980/Plenum Publishing Corporation, New York, 1984, \$ 107,40.

Materials Research Society Symposia Proceedings, J.E.F. Baglin, D.R. Campbell, W.K. Chu, Eds., North Holland New York, N.Y.

Chemical Analysis, Vol. 73: Modern Methods of Particle Size Analysis, Howard G. Barth, Ed., John Wiley and Sons New York, N.Y.

Synthetic Membrane Processes, Fundamentals and Water Applications, G. Berifort, Ed., Academic Press, \$72.50

Developments in Polymer Characterisation - 4, J.V. Dawkins, Elsevier, £ 33.00 or U.S.\$ 61.25

Adsorption in Micropores (Russ.), M.M. Dubinin, V.V. Serpinski, Eds., Nauka Moscow, U.S.S.R., Rub. 2.60

Ion Exchange Membranes, D.S. Flett, Ed., Ellis Horwood, Ltd., Chichester, U.K.

Physical and Colloidal Chemistry (Russ.), S.K. Grigoryan, Erevanski Gosudarstvenyi Universitet Erevan, U.S.S.R., Rub. 0.60

Structure of Films (Russ.), V.M. Ievlev, Vornezhskii Politehnicheskii Institut, Voronezh, U.S.S.R., Rub.0.15

Ions, Electrodes, Membranes (Russ.), Jiri Koryta, MIR, Moscow, U.S.S.R., Rub. 1.70

Physical and Colloidal Chemistry. Textbook for Pharmaceutical Colleges (Russ.), I.V. Krasovskii, E.I. Vail, V.D. Bezuglyi, Vishcha Shkola Kiev, U.S.S.R., Rub. 1

Practical Course in Colloidal Chemistry (Russ.), I.S. Lavrov, Ed., Vysshaya Shkola Moscow, U.S.S.R., Rub. 0.65

Block Copolymers, D.J. Meier, Ed., Papers 9th Midland Macromolecular Meeting, Aug. 1979, Harwood, Chur

Polymeric Stabilization of Colloidal Dispersions, D.H. Napper, Academic

Textbook of Polymer Science, Wiley-Interscience New York, \$34.95

Adsorption and the Gibbs Surface Excess, D.K. Chattoraj, K.S. Birdi, Plenum, \$59.50 (\$71.40 outside U.S. & Canada)

IR Spectroscopy in the Surface Chemistry of Oxides (Russ.), A.A. Davydov, Nauka, SIB. OTD, Novosibirsk, U.S.S.R., Rub. 3

Smachivayoshchye Plenki (Russ.: Wetting Films), B.V. Deryagin, N.V. Chutaev, Nauka, Moscow, U.S.S.R.

Kurs Kolloidnoi Khimii (Russ.: A Course of Colloid Chemistry), D.A. Fridrikhsberg, Khimiya, Leningrad, U.S.S.R., 2nd print

An Introduction to Chemisorption and Catalysis by Metals, R.P.H. Gasser, Oxford University Press, £15

Diffusion Processes on a Crystal Surface (Russ.), Ya. E. Geguzin, Yu. S. Kaganovskii, Energoatomizdat Moscow, U.S.S.R., Rub. 1.10

Liquid Crystals and Ordered Fluids, A.C. Griffin, J.F. Johnson, eds., Plenum Publ. Corp. \$135.00 (\$162.00 outside U.S. & Canada)

Electrochemistry I. Conductivity, Potentials, Phase Boundaries, C.H. Hamann, W. Vielstich, Verlag Chemie Weinheim, Fed. Rep. Ger.

Catalyst Poisoning, L.L. Hegedus, R.W. McCabe, M. Dekker, New York-Basel, \$47.50

Reverse Osmosis, P. Hoornaert, Pergamon Press, Elmsford, N.Y.

Deactivation of Catalysts, R. Hughes, Academic Press, New York, \$ 42.---

Mathematical Calculation Methods for Electrochemical Corrosion and

Protection of Metals (Russ.), Yu. Ya. Iossel, G.E. Klenov, Metallurgiya Moscow U.S.S.R., Rub. 1.10

The Kinetics of Industrial Crystallization, J. Nyvlt, O. Söhnel, M. Matuchova, M. Bronl, Chemical Engineering Monographs, 19, \$67.25 (U.S. & Canada), Dfl. 175.00 (rest of the world)

Industrial Crystallization, S.J. Jancić, P.A.M. Grootsholten, D. Reidel Publ. Comp., 165,-- or £ 41.95

Dairy Chemistry and Physics, R. Jenness and P. Walstra, J. Wiley, New York, \$ 59.85

Polymer Additives, J.E. Kresta, ed. \$72.50 (\$87.00 outside US and Canada)

Quantum Chemistry of Polymers-solid State Aspects, J. Ladik, J.-M. André, M. Steel, eds., D. Reidel Publ. Comp., Dfl. 155,-- or £ 39.50

Equations of Membrane Biophysics, N. Lakshminarayanaiah, Academic Press, \$69.00

Colloid Chemistry of Polymers (Russ.), Yu. S. Lipatov, Naukova Dumka Kiev, U.S.S.R., Rub. 4.40

Aerosols: Science, Technology, and Industrial Applications of Airborne Particles, B.Y.H. Liu and David Y.H. Pui, Eds., Elsevier Amsterdam, \$95.00 or Dfl. 395.00 outside U.S.

Powder Surface Area and Porosity, S. Lowell, J.E. Shields, Elsevier Amsterdam, \$25.--

Reverse Micelles, P.L. Luisi and B.E. Straub, eds., Plenum, \$55.00 (\$66.00 outside US & Canada)

Physical and Colloidal Chemistry (with Special Reference to Agricultural Chemistry and the Preservation and Treatment of Fruits and Vegetables (Russ.), A.B. Luk'yanov, Kolos Moscow, U.S.S.R., Rub. 0.30

Polymers, Liquid Crystals, and Low-Dimensional Solids, N. March and M. Tosi, Eds., Plenum, \$89.50 (\$107.40 outside US & Canada)

Determination of Surface Structure by Leed, P.M. Marcus and F. Jona, Eds., Plenum, \$89.50 (\$107.40 outside US & Canada)

Adsorption on and Surface Chemistry of Hydroxyapatite, D.N. Misra, Plenum, \$39.50 (\$47.40 outside US & Canada)

Surfactants in Solution, K.L. Mittal and R. Lindman, Eds., Plenum, Vol. I-III \$95.00 (\$114.00 outside US & Canada)

Adhesive Joints, Formation, Characteristics, and Testing, K.L. Mittal, Ed., Plenum, \$125.00 (\$150.00 outside US & Canada)

Physical Phenomena in Ultradisperse Media (Russ.), I.D. Morokhov, L.I. Trusov, V.N. Lapovok, Energoatomizdat Moscow, U.S.S.R., Rub. 3

Fundamentals of Adsorption, Proceedings of the Engineering Foundation Conference held at Schloss Elmau, Bavaria, West Germany, May 6-11, A.L. Myers, C. Belfort, Eds., Eng. Found. New York, N.Y.

Dynamics on Surfaces, B. Pullman, J. Jortner, A. Nitzan and B. Gerber, The Jerusalem Symposia on Quantum Chemistry and Biochemistry 15, Dfl. 180.-- or £45.75

Electrochemistry: The Interfacing Science. (Proceedings of the 6th Australian Electrochemistry Conference, D.A.J. Rand and A.M. Bond, Eds., Elsevier Sequoia Lausanne, Switzerland

Dynamics of Molecular Liquids, W.G. Rothschild, Wiley New York, \$ 66.45

Principles of Adsorption and Adsorption Processes, D.M. Ruthven, John Wiley and Sons New York, N.Y.

Adsorption and Adsorptive Separation Processes, Wiley-Interscience New York

Grenzflächenaktive Athylenoxid-Adunkte; ihre Herstellung, Eigenschaften, Anwendungen und Analyse (Ger.), Wissenschaftliche Verlagsgesellschaft mbH, Stuttgart, DM 254.--

Adsorption and Ion Exchange: Progress and Future Prospects, J.D. Sherman,

Ed., American Institute of Chemical Engineers, New York, N.Y.

The Physical Chemistry of Membranes, M.E. Starzak, Academic Press, New York, 1942,---

Surfactants, Th.F. Tadros, Academic Press, New York, \$ 30,---

9. Newsletter ideas

All members are invited to send their suggestions on the scope and other aspects of these Newsletters to the Newsletter Secretary.

Prof.dr. Hans Lyklema, Newsletter Secretary, Laboratory for Physical and Colloid Chemistry, Agricultural University, De Dreijen 6,
6703 BC WAGENINGEN, The Netherlands.