

IACIS

INTERNATIONAL ASSOCIATION OF COLLOID
AND INTERFACE SCIENTISTS

COLLOID AND INTERFACE SCIENCE INTERNATIONAL NEWSLETTER

NO. 7 - JUNE 1983

COMPILED BY J. LYKLEMA

June 1983

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 (Laboratory for Physical and Colloid Chemistry of the Agricultural University, 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 During the time that this NL was written, a postal ballot was started to decide on the new composition of Council. As you know, Bylaw 1 requires that half of the Ordinary Members of Council shall retire in July 1983. The current vice-presidents will at that time have held office for two years and may not be reelected (Statute 6 c). A nominating committee under the chairmanship of Prof. Stenius has been set up, as you have been informed independently.

3.2 President's Report - May 1983

My period of office as your President is coming to an end, and Prof. Matijević takes over in July 1983. Since we first met in Stockholm in 1978 the Association has become a viable organization and has established itself as a truly international body. I would like to express my appreciation to all the people who have helped to make this possible. In particular I recognize the enormous help we received from the Kolloid-Gesellschaft and its President, Prof. Armin Weiss, from IUPAC Commission I.6, from Dr. Becker who was Membership Secretary from 1979-82, and from Prof. Bijsterbosch, the current Membership Secretary. My special thanks also go to Prof. Lyklema for preparing the excellent Newsletters, to all the Members of the Council for their hard work and enthusiasm, and to those members of the Association who helped us with the preparation of the Statutes and Bylaws.

An election for President-elect and Ordinary Members of Council is now underway. We would like the new council to be more international than at present, and we look for your support.

There is a good reason to believe that the Association will continue to grow, and I wish Prof. Matijević every success during his term of office as President.

G.D. Parfitt

3.3 From the Membership Secretary

As of June 1983 the membership amounts to 294.

4. IUPAC Commission I.6 News (Commission on Surface and Colloid Chemistry, Including Catalysis)

The Commission produced two provisional manuals:

- 1) "Reporting physisorption data for gas-solid systems, with special reference to the determination of surface area and porosity", Pure Appl. Chem. 54 (1982) 2201
- 2) "Reporting experimental pressure-area data with film balances", *ibid.* page 2189.

Those who would like to comment may contact for 1) Prof. K.S.W. Sing, Department of Applied Chemistry of the Brunel University, Uxbridge, Middlesex UB8 3PH, United Kingdom, and for 2) Mme Prof. Dr. E. Ter-Minassian-Saraga, U.E.R. Biomédicale No. 81, Lab. de Physico-Chimie des Surfaces et des Membranes, Université René Descartes, 45 rue des Saints-Pères, 75270 Paris Cedex 06, France, or Prof. M. Kerker, School of Arts and Science, Clarkson College of Technology, 349 Science Center, Potsdam, N.Y. 13676, U.S.A. Comments will be

discussed at the 32nd Assembly of IUPAC in Lyngby, Denmark, August 1983, after which a definite manual will be produced.

An appendix on Light Scattering to the Definitions, Symbols and Terminology Manual for Colloid and Surface Science, prepared for publication by M. Kerker just appeared in Pure Appl. Chem. 55 (1983) 931. Those interested can contact Prof. Kerker at the above address.

Other current fields of interest are: surface chemical physics (R.S. Hansen, Ames, Iowa, U.S.A.) heterogeneous catalysis (J. Ilaber, Krakow, Poland), and adsorption from solution (D.H. Everett, Bristol, U.K.).

Those interested can write directly to the persons mentioned or to the secretary of the commission, Prof. M. Kerker, Clarkson College of Technology, Potsdam, N.Y. 13676, U.S.A.

The next Assembly will be at Lyngby, Denmark, August 1983. For information contact the chairman (Prof. Lyklema, address at the end of this NL) or the deputy secretary, Prof. E. Wolfgram, Loránd Eötvös University, Dept. Colloid Science, P.O. Box 328, H-1445 Budapest-8, 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, N.Y., U.S.A., 1985 (see under 6)

6th Conference, Japan, 1988.

5.2. The planning of the 5th International Conference has started. Here we repeat the first communication. Please be active and send your suggestions.

The 5th International Conference on Surface and Colloid Science, sponsored by the International Association of Colloid and Surface Scientists, and the 59th Colloid and Surface Science Symposium, sponsored by the Division of Colloid and Surface Chemistry of American Chemical Society, will be held jointly at Clarkson College of Technology in Potsdam, New York, U.S.A., June 24-28, 1985.

Suggestion for topics of the scientific program and for names of persons who could organize various topics should be sent to the program chairman, Prof. Josip Kratochvil, Institute of Colloid and Surface Science, Clarkson College of Technology, Potsdam, N.Y. 13676, U.S.A.

5.3 Physical Chemistry of Colloids and Interfaces: Biotechnology and Drugs, Paris, France, Sept. 27-30, 1983 (See NL 6 - 5.3).

Organized by IACIS jointly with the French Société de Chimie Physique and the Société Française de Biophysique. This is the first conference in which IACIS has played a substantial role. A programme, including information and a registration form, has been sent recently to all IACIS-members. Note that for IACIS-members the admission fee is only 200 Ffr. (ordinary fee 800 Ffr.). We hope that many IACIS-members will participate. A formal meeting of IACIS-members at the occasion of this event is under consideration.

For further information contact Dr. C. Troyanowski (Secretary of Société de Chimie Physique), 10 rue Vauquelin, 75005 Paris, France, or Mme Prof. L. Ter-Minassian-Saraga (IACIS-member) 45 rue des Saints Pères, 75270 Paris, France.

5.4 8th Scandinavian Symposium on Surface Chemistry (with international participation), June 4-6, 1984, at the Chemical Center of Lund University, Lund, Sweden. For further information contact: The 8th Scandinavian Symposium on Surface Chemistry, Chemical Center, P.O. Box 740, S-220 07 Lund, Sweden.

5.5 IACIS will co-sponsor the Colloid Symposium in Pittsburgh, June 1984; IACIS-members will be entitled to a reduced subscription fee. See enclosed flyer.

5.6 In Japan the Division of Colloid and Surface Chemistry of the Chemical Society of Japan has set up a committee to make the first preparations of the 6th International Conference of 1988. Prof. Suito is the chairman and the Chemical Society of Japan will be asked to become a co-sponsor.

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: NL 3 - 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 of not advanced) courses is not always unambiguous.

6.1 8th Int. Congress on Catalysis, July 2-7, 1983, Berlin, FRG. See NL 6 - 6.20.

6.2 6th Int. Zeolite Conference, July 10-15, 1983, Reno, Nev., U.S.A. See NL 6 - 6.21

6.3 Copolymers, Structure and Solution Properties, July 11-14, 1983, Prague, Czechoslovakia. See NL 5 - 6.41.

6.4 Processing and Long-term Stabilities of Hydrocarbon Polymers, July 18-21, 1983, Prague, Czechoslovakia. See NL 6 - 6.23.

6.5 7th Int. Symp. on Bioelectrochemistry and Bioenergetics, July 18-22, 1983, Stuttgart, FRG. See NL 6 - 6.24.

6.6 Principles of Flotation, July 1983, Adelaide, South Australia. See NL 6 - 6.25.

6.7 Fine Particle Society, Pacific Region Meeting, August 1-5, 1983, Honolulu, Hawaii, U.S.A. Contact: T. Ariman, 600 South College Av., Tulsa, OK 74104, U.S.A.

6.8 Kyushu Colloid Colloquium, Aug. 4-6, 1983, Kirishima, Kagoshima pref., Japan. Information: I. Satake, Dept. of Chemistry, Faculty of Sci., Kagoshima Univ., Japan.

6.9 IUPAC 32nd General Assembly, Aug. 18-26, 1983, Lyngby, Denmark. During this Assembly Commission I.6 (Surface and Colloid Chemistry, Including Catalysis) and the Macromolecular Division will also meet. See NL 5 - 6.42.

6.10 Kansai Seminar on Interfacial Science, Aug. 18-19, 1983, Sanda Seminar House of Univ., Kansai District, Kobe, Japan. Contact: S. Kondo, Osaka, Univ. Educ., Japan.

6.11 6th Int. Summer Institute in Surface Sci., Aug. 22-26, 1983, Univ. of Wisconsin, Milwaukee, U.S.A. Contact: R. Vanselow, Dept. of Chemistry and Laboratory for Surface Studies (Chem. 343), Univ. of Wisconsin at Milwaukee, WI 53201, U.S.A.

6.12 Symposium on Order in Polymeric Materials. Implications for Electronic, Magnetic and Optical Phenomena, Aug. 25-26, 1983, Waltham, MA, U.S.A. Contact: D.J. Sandman, G.T.E.-Labs, 40 Sylvan Rd, Waltham, MA, U.S.A.

6.13 18th Natl. Meeting, ACS, Aug. 28-Sept. 2, 1983, Washington DC, U.S.A. More details in NL 6 - 6.27.

6.14 The Role of Particle Interaction in Powder Mechanics, Aug. 29-31, 1983, Eindhoven, Netherlands. See NL 5 - 6.44.

6.15 6th Int. Symposium on Cationic Polymerization and Related Processes, Aug. 30-Sept. 2, 1983, Belgium. See NL 6 - 6.29.

6.16 IUPAC 5th Int. Summer School on Crystal Growth and Materials Research, Sept. 3-10, 1983, Davos, Switzerland. Contact: IUPAC Secretariat, Bank Court Chambers, 2-3 Pound Way, Cowley Centre, Oxford OX4 3YF, U.K.

- 6.17 Int. Symposium on Bioelectrochemistry and Bioenergetics, Sept. 4-9, 1983, Nottingham, U.K. See NL 6 - 6.30.
- 6.18 29th Int. Symposium on Macromolecules, Sept. 5-9, 1983, Bucharest, Romania. See NL 5 - 6.45.
- 6.19 Ion Adsorption and Exchange at Inorganic Surfaces, Sept. 12-13, 1983, Cambridge, U.K. Contact: J.D.F. Ramsay, Chemistry Division, Building 429, AERE Harwell, Didcot, OX11 0RA, U.K.
- 6.20 Int. Symposium on Spillover of Adsorbed Species, Sept. 12-16, 1983, Lyon-Villeurbanne, France. See NL 6 - 6.33.
- 6.21 7th Int. Conference on Crystal Growth, Sept 12-16, 1983, Stuttgart, FRG. See NL 6- 6.32
- 6.22 Concentrated Colloidal Dispersions (Faraday Discussion), Sept. 14-16, 1983, Loughborough, U.K. See NL 5 - 6.47.
- 6.23 2nd Europ. Symp. on Catalysis by Metals (Eurocat), Sept. 19-21, 1983, Brussels, Belgium. See NL 6 - 6.37.
- 6.24 Conference on Engineering Rheology, Sept. 19-23, 1983, London, U.K. (joint British-German sponsorship). Contact: D.C.-H. Cheng, Warren Spring Laboratory (Ref. 116/43), P.O. Box 20, Gunners, Wood Road, Stevenage, Herts, SG1 2BX, U.K., or K. Kirschke, Bundesanstalt für Materialprüfung, Unter den Eichen 87, D 1000 Berlin 45, FRG.
- 6.25 Int. Symp. on Polymerization of Small Heterocycles and Aldehydes, Sept. 1983, Poland. See NL 6 - 6.36.
- 6.26 Physical Chemistry of Colloids and Interfaces: Biotechnology and Drug Research, Sept. 27-30, 1983, Paris, France. Sponsored by IACIS and French Sociétés de Chimie Physique et de Biophysique. Topics a.o. biopolymers at interfaces, lipid monolayers, biomaterials, medical applications. Reduced fee for IACIS members. Info: C. Troyanowski, c/o Soc. Chim. Phys., 10 rue Vauquelin, 75005 Paris, France. See also this NL, item 5.3.
- 6.27 2nd Hungarian Symposium on Particle Size Analysis and Powder Technology (with international participation), Sept. 27-30, 1983, Balatonfüred, Hungary. See NL 6 - 6.39.
- 6.28 4th Int. Symposium on the Relations between Homogeneous and Heterogeneous Catalysis, Oct. 2-5, 1983, Pacific Grove, Calif., U.S.A. Contact: H.D. Kaesz, Dept. of Chemistry, Univ. of California at Los Angeles, Calif. 90024, U.S.A.

- 6.29 Int. Symp. Advances in Chromatography (20th Anniversary), Oct. 3-6, 1983, Amsterdam, Netherlands. Info: A. Zlatkis, Chem. Dept., Univ. of Houston, Houston, Texas 77004, U.S.A.
- 6.30 36th Discussion on Colloid and Interface Chemistry, Oct. 8-10, 1983, Kwansai Gakuin Univ., Nishinomiya, Japan. Contact: H. Yamada, Dept. of Chemistry, Faculty of Science, Kwansai Gakuin Univ., Japan.
- 6.31 Hauptversammlung Kolloidgesellschaft, Oct. 11-12, 1983, Bayreuth, FRG. See NL 6 - 6.40.
- 6.32 ACS Polymer Division Workshop High Resolution n.m.r. of Polymers in the Solid State, Oct. 18-21, Williamsburg, VA, U.S.A. Contact: J. Lyerea, IBM, Dept. K42/282, 5600 Cottle Road, San Jose, Cal. 95193, U.S.A.
- 6.33 The Role of Dispersion in Polymeric Systems, Oct. 25-28, 1983, Houston, TX, U.S.A. Contact: R.R. Myers, Dept. of Chemistry, Kent State Univ., Kent, OH 44242, U.S.A.
- 6.34 Workshop "Fundamentals of Electrostatic Interactions in Colloidal Systems", Nov. 7-8, 1983, Canberra, Australia. Information: D.Y.C. Chan, Dept. of Applied Mathematics, Research School of Physical Sciences, Australian National University, Canberra, A.C.T., 2600 Australia.
- 6.35 Annual Meeting Materials Research Soc., Nov. 14-17, 1983, Boston, Mass., U.S.A.. Contact: Secretariat Materials Research Society (E.M. Hawk, executive secretary), 110 Materials Research Lab., University Park, P.A. 16802, U.S.A.
- 6.36 Molecular Basis of Viscoelasticity, Dec. 8-9, 1983, Cambridge, U.K. (Faraday Symposium of the Roy. Soc. of Chem.) Contact: Mrs. Y.A. Fish, The Royal Society of Chemistry, Burlington House, London W1V 0BN, U.K.
- 6.37 Short Range Interactions and Hydration, Dec. 20, 1983, London, U.K. See NL 6 - 6.43.
- 6.38 3rd Int. Conference on Solid Films and Surfaces, Jan. 1984, Australia. See NL 6 - 6.44.
- 6.39 Advances in Mineral Science and Technology ("Mintech 50"), April 1984, Johannesburg, South-Africa. See NL 6 - 6.45.
- 6.40 ACS 187th Natl. Meeting, April 8-13, 1984, St. Louis, Missouri, U.S.A. See NL 5 - 6.50 and NL 6 - 6.46.
- 6.41 Interfacial Kinetics in Solution (Faraday Discuss. No.77), April 9-11, 1984, Hull, U.K. See NL 6 - 6.47.

- 6.42 World Surfactant Congress, May 6-10, 1984, München, FRG. See NL 6 - 6.48.
- 6.43 3rd Europ. Symposium on Particle Characterization, May 9-11, 1984, Nürnberg, FRG. Information: K. Leschowski, Techn. Universität Clausthal, Inst. für Mechanische Verfahrenstechnik, Leibnizstrasse 15, D-3392 Clausthal-Zellerfeld, FRG.
- 6.44 Biomembrane Fusion, May 1984, Sydney, Australia. See NL 6 - 6.49.
- 6.45 8th Scandinvign Symposium on Surface Chemistry (with international participation), June 4-6, 1984, Lund, Sweden. This meeting is co-sponsored by IACIS. See this NL - 5.4.
- 6.46 58th Colloid and Surface Science Symposium (ACS-Divs. Coll. & Surface Chem.), June 10-13, 1984, Carnegie-Mellon Univ., Pittsburgh, U.S.A. This meeting is co-sponsored by IACIS. Contact address: G.D. Parfitt, Dept. of Chem. Engineering, Carnegie-Mellon Univ., Pittsburgh, PA 15213, U.S.A. See this NL - 5.5.
- 6.47 Symposium on Liquid Chromatography in the Biomedical Sciences, June 18-21, 1984, Ronneby, Sweden. Secretariat: c/o The Swedish Academy of Pharmaceutical Sciences, P.O. Box 1136, S-11181 Stockholm, Sweden.
- 6.48 8th Int. Congress on Catalysis (IUPAC), July 2-6, 1984, Berlin, FRG. See NL 5 - 6.53.
- 6.49 Medical Polymers (Prague Microsymposium), July 9-12, 1983, Prague, Czechoslovakia. Contact: P. Cefelin, Scientific Secretary, PMM Secretariat, Inst. of Macromolecular Chemistry, 1888 Petřín, Prague 6, Czechoslovakia.
- 6.50 5th International Symp. on Surfactants in Solution, July 9-13, 1984, Bordeaux-Talence, France. Info: P. Lalanne, Centre de Recherche Paul Pascal, Domaine Universitaire, 33405 Talence Cedex, France.
- 6.51 Int. Conference on Ion Exchange, July 15-20, 1984, Cambridge, U.K. See NL 6 - 6.53.
- 6.52 6th Int. Conference on Thin Films, Aug. 13-17, 1984, Stockholm, Sweden. Info: S. Berg, Institute of Technology, Uppsala Univ., Box 534, 751 21 Uppsala, Sweden.
- 6.53 188th ACS National Meeting, Aug. 26-31, 1984, Philadelphia, U.S.A. Topics a.o.: Advances in Catalysis (contact: J.L. Gland, Physical Chemistry Dept., General Motors Research Labs, Warren, MI 48090, U.S.A.) General info: A.T. Winstead, 1155-16th Street, N.W. Washington D.C. 20036, U.S.A.
- 6.54 4th Australian Colloid Conference, August 1984, Bendigo, Vic., Australia. See NL 6 - 6.55.

- 6.55 Foaming, Aeration and Dynamic Surface Tension, Sept. 1984, London, U.K. See NL 6 - 6.56.
- 6.56 IX European Chemistry at Interfaces Conference, Sept. 1984, Belgium. Contact: A. Watillon, de Chemie Analytique, Université Libre, 50 Avenue Roosevelt, 1050 Brussels, Belgium.
- 6.57 IX Int. Conference on Rheology, Oct. 8-13, 1984, Acapulco, Mexico. Organizing Committee: Apdo Postal 70-353, Ciudad Universitaria, Coyoacán, 04510 Mexico, D.F. Mexico.
- 6.58 Characterization and Analysis of Polymers ("Polymer 85"), Febr. 11-14, 1985, Melbourne, Vic., Australia. See NL 6 - 6.58.
- 6.59 Polymer-Liquid Crystals (General Discussion No. 79 Faraday Division Royal Society of Chemistry, April 1985, U.K. Info: Mrs. Y.A. Fish, The Royal Society of Chemistry, Burlington House, London W1V 0BN, U.K.
- 6.60 ACS, 189th National Meeting, April 28 - May 3, 1985, Miami Beach, Florida, U.S.A. Contact: A.T. Winstead, 1155-16th Street, N.W. Washington D.C. 20036, U.S.A.
- 6.61 5th Int. Conference on Surface and Colloid Science of IACIS, joint with the 59th Colloid and Surface Science Symp. (ACS, Divs. Coll. & Surface Sci.), June 24-28, 1985, Potsdam, NY, U.S.A. Info: J. Kratochvíl, Clarkson College of Technology, Potsdam, NY 13676, U.S.A. See NL 5 - 6.56. IACIS-members are entitled to a reduced fee; they are requested to suggest suitable themes, see NL 6 - 5.2. "Nucleation" has already been suggested.
- 6.62 Physical Interactions and Energy Exchange at the Gas/Solid Interface (General Discussion No. 80, Faraday Division Roy. Soc. of Chem., U.K.), July 1985, McMaster University, Ontario, Canada.
- 6.63 "Agglomeration 1985", provisionally June of July 1985, Toronto, Canada. Contact: J.R. Wymnycky, Univ. of Waterloo, Faculty of Engineering, Dept. of Chemical Engineering, Waterloo, Ontario N2L 3G1, Canada.
- 6.64 7th International Summer Conference on Solid-Liquid Interfaces, Yugoslavia. Emphasis on interfacial electrochemistry. Probably early summer 1985 but dates and venue to be fixed. Interference with other major events in the field will be avoided. Contact: V. Pravič, Center for Marine Research "Rudjer Bošković", P.O. Box 1016, 41001 Zagreb, Yugoslavia.
- 6.65 30th Int. Symposium on Macromolecules (IUPAC), Aug. 18-23, 1985, The Hague, Netherlands. Contacts: J.A.M. Smít, secretary executive committee, Gorlaeus Laboratories, Postbus 9502, 2300 RA Leiden, Netherlands, or the Congress Bureau, QLT Convention Services, Keizersgracht 792, 1017 EC Amsterdam, Netherlands.

- 6.66 IUPAC, 33rd General Assembly, Aug. 30 - Sept. 7, 1985, Lyon, France, including meetings of the Macromolecular Division and the Commission on Surface and Colloid Chemistry, Including Catalysis.
- 6.67 ACS, 190th National Meeting, Sept. 8-13, 1985, Chicago, U.S.A. Contact: A.T. Winstead, 1155-16th Street, N.W. Washington D.C. 20036, U.S.A.

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 a list can be found in NL 1 - NL 5.

Below follow some mutations:

U.K.: The Secretary of the Colloid and Interface Science Group of the Faraday Division of the Royal Society of Chemistry is Dr. R. Aveyard, Dept. of Chem., Univ. of Hull, Hull, HU6 7RX, U.K., and the Newsletter Editor is Dr. D.B. Hough, Unilever Research, Port Sunlight Lab., Bebington, Wirral, LG3 3JW, U.K. The membership was 570 in October 1982.

U.S.A.: The Secretary of the Division of Colloid and Surface Chemistry, ACS, is Dr. E. Kugler, Exxon Research and Engineering Company Corporate Research, POB 45, Linden, NJ 07036, U.S.A.

Japan: The Chairman of the Division of Colloid and Surface Chemistry of the Chemical Society of Japan is Prof. M. Nakagaki. Vice-chairmen are Prof. Fukuda and Prof. Meguro. Address of the Secretariat, see NL 6 - 7. The membership is 982, including 27 corporate memberships.

Australia: Contact address: Secretary Colloid & Surface Chemistry Division, Royal Austr. Chem. Institute is Dr. D.N. Furlong, CSIRO Division of Applied Organic Chemistry, G.P.O. Box 4331, Melbourne, Vic. 3001, Australia.

Argentina: Dr. A.J.G. Maroto, Comisión Nacional de Energía Atómica, Depto. Química de Reactores, Avda del Libertador 8250, 1429 Buenos Aires, Argentina.

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 is checked to the best of our knowledge.

8.A. Journals

Applied Physics A - Solids and Surfaces. Covers Solid-State Physics, Surface Science and Surface Engineering. Springer Verlag. Starting 1983, 4 issues annually. DM 498.-

Cellular Polymers (manufacturing, application, chemistry). Applied Science Publishers. J.M. Buist, Ed. Starting 1982, 4 issues annually. U.K. £47.40; outside U.K. £54.40 (+ £1.50 per issue for air mail).

Reactive Polymers (emphasis on novel or unusual materials, methods, problems and applications). Starting 1983, 4 issues annually. Elsevier. Dfl. 190.00 or \$76.00.

8.B. Serials

Adhesion. K.W. Allen, Ed., Vol. 6 (1982), Proc. of a Symposium (1981) £32.- and Vol. 7 (ibid.) (1983 in preparation).

Studies in Surface Sci. and Catalysis No. 13: Adsorption on Metal Surfaces, an Integrated Approach. J. Bonard et al. Elsevier 1983. Dfl. 195.-; \$83.-.

ACS Symposium Series, Vol. 200: Colloids and Surfaces in the Reprographic Technology. M. Hair, M.D. Croucher, Eds ACS, Washington D.C.

Lecture Notes in Chemistry No. 33: Electrical Double Layer at a Metal-Dilute Electrolyte Interface. G.A. Martynov, R.R. Salem. Springer Verlag, Berlin 1983. DM 36.-.

Polymer Science and Technology Vol. 16: Polymeric Separation Media. A.R. Cooper, Ed. Plenum (1982) \$71.40.

Polymer Science and Technology Vol. 17: Polymer Applications of Renewable Resource Materials. C.E. Carraher, L.H. Sperling, Eds. Plenum (1982) \$71.40.

Polymer Science and Technology Vol. 19: Coordination Polymerization. C.C. Price, E.J. Vandenberg, Eds. Plenum (1983) \$42.50 (\$51.00 outside U.S.A. and Canada)

Comprehensive Treatise of Electrochemistry, Vol. 6: Electrode, Transport. E. Yeager, J.O'M Bockris, B.E. Conway, S. Sarangapani, Eds. Plenum Press (1983)

8.C. Books 1982

- Chain Structure and Conformation of Macromolecules. F.A. Bovey. Acad. Press
- Polymer Latexes and Their Applications. K.O. Calvert, Ed., MacMillan New York.
- Interfacial Synthesis, Vol. 3. Recent Advances. C.E. Carraher and J. Preston, Eds., Marcel Dekker.
- Vibrations at Surfaces. R. Caudano, J.-M. Gillies and A.A. Lucas, Eds., Plenum \$75.00 (\$90.00 outside U.S.A. and Canada).
- Surface Enhanced Raman Scattering. R.K. Chang and T.E. Furtak, Eds., Plenum \$45.50 (\$59.40 outside U.S.A. and Canada)
- Membrane Mimetic Chemistry. J.H. Fendler, Acad. Press \$59.95.
- Aerosol Technology: Properties, Behaviour and Measurement of Airborne Particles. W.C. Hinds, Wiley \$29.00.
- Ions, Electrodes and Membranes. J. Koryta, Wiley-Interscience £17.00 (cloth) or £7.90 (paperback)
- Физико-Химические методы обработки поверхностей полупроводников (Russ.) B.D. Luft, V.A. Perevoshchikov, L.N. Vozmilova et al. Radio i svyaz, Moskva, Rub. 0.50.
- Topics in Current Physics: Aerosol Microphysics II: Chemical Physics of Micro-particles. W.H. Marlow, Ed. Springer. DM 65.00 (\$28.90)
- Дифракция медленных электронов поверхностей (Russ.) A.E. Mozol'kov, V.K. Fedyunin, Energoizdat, Moskva. Rub. 1.70.
- Adsorption. J. Oszik. Ellis Horwood Ltd., Chichester, U.K.
- Molecular Theory of Capillarity. J.S. Rowlinson, B. Widom. Oxford Univ. Press, Oxford £30.00.
- Protein Purification: Principles and Practice. R.K. Scopes, Springer. DM 79.00.
- Interfacial Phenomena in Mineral Processing. Proc. of a Conference in 1981, U.S.A. B. Varar, D.J. Spottiswood, Eds., Engineering Foundation, 345 E 47th Street, New York, N.Y. 10017, U.S.A.
- Adhesion of Dust and Powder, 2nd Ed. A.D. Zimon, Consultance Bureau \$55.00.

8.D. Books 1983

- Encyclopedia of Emulsion Technology, Vol. 1: Basic Theory. P. Becher, Ed. Marcel Dekker A.G. Basel Switzerland. SFr. 270.00.

- Surface Mobilities on Solid Materials. Fundamental Concepts and Applications. (Proc. of a Symposium) Vu Thien Bin, Ed., Plenum \$75.00 (\$90.00 outside U.S.A. and Canada)
- Modern Theory of Crystal Growth I. A.A. Chernov, H. Müller-Krumhaar, Eds., Springer DM 88.00.
- Theory of Viscoelasticity, An Introduction, 2nd Ed. M. Christenau, Acad. Press \$29.80.
- Поверхностные силы и граничные слои жидкостей (Surface forces and boundary layers of liquids), Proc. of the 7th Conference on Surface Forces. Responsible editor: B.V. Deryagin, Acad. Nauk S.S.S.R., Moskva 1983
- Chemistry and Technology of Water-Soluble Polymers, C.A. Finch, Ed., Plenum Press \$55.00 (\$66.00 outside U.S.A. and Canada)
- Adhesion Aspects of Polymeric Coatings (Proc. of a Symposium). K.L. Mittal, Ed., Plenum \$85.00 (\$102.00 outside U.S.A. and Canada)
- Physicochemical Aspects of Polymer Surfaces. Vol. 1 and 2. (Proc. of a Symposium) K.L. Mittal, Ed., Plenum \$75.00 (\$90.00 outside U.S.A. and Canada)
- Adsorption from Solution (Symposium Proceedings, 1982) R.H. Ottewill, C.H. Rochester and A.L. Smith, Eds., Acad. Press \$30.00.
- Adsorption from Solution at the Solid/Liquid Interface. G.D. Parfitt and C.H. Rochester, Eds., Acad. Press.
- An Introduction to the Physical Chemistry of Biological Organization. A.R. Peacocke, Oxford University Press.
- Colloid and Interface Chemistry, R.D. Vold and M.J. Vold, Addison-Wesley Publ. Co. Inc., Massachusetts 01867 U.S.A. \$145.00 (?).
9. Newsletter ideas
- All members are invited to send their suggestions on the scope and other aspects of these Newsletters to the Newsletter Secretary.
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