

IACIS

INTERNATIONAL ASSOCIATION OF COLLOID
AND INTERFACE SCIENTISTS

COLLOID AND INTERFACE SCIENCE INTERNATIONAL NEWSLETTER

NO. 6 - JANUARY 1983

COMPILED BY J. LYKLEMA

January 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 President's Report - December 1982

I am pleased to report that the administrative office of IACIS is now well established and I would like to express our appreciation to Prof. Rijsterbosch for the fine job he is doing.

We have been having problems over subscription renewal, and I hope this is now resolved. In future members will be reminded when subscriptions are due, and I hope by the end of this year we shall all be up to date.

IACIS is acting as joint sponsor for the conferences in France (September 1983) and in Pittsburgh (June 1984), and members will qualify for a reduced registration fee at both meetings. Joint sponsorship of other conferences are under consideration. The next international conference to be sponsored by the Association will be held in Clarkson College, Potsdam, N.Y., in June 1985.

Our membership is increasing, albeit slowly, and I hope existing members will encourage their colleagues to join. We welcome the views of members on the activities of the Association, particularly any new ideas on how we can best serve our science on the international scene.

We will be holding a postal ballot in the Spring for Council members. Half of the present Ordinary Members will retire in July 1983, so there will be quite a number of vacancies to fill. We hope that the new Council will be more "international" than at present, and we look to our membership to support this goal.

G.D. Parfitt

3.2 From the Membership Secretary

As of January 1, 1983, the membership amounts to 286. All of them are kindly invited to transfer their annual fee for 1983, to the amount of \$ 15.00, to account number 539227285 of IACIS at the ABN Bank in Wageningen, the Netherlands. Transfer from bank to bank is highly preferred to sending cheques, since the bank is charging us \$ 2.50 for every cheque we cash. Please see to it that in any case your name and address are clearly mentioned. In a number of cases it has given me some difficulties to trace the member for whom a fee had been transferred.

At short notice those members who have not yet paid their fee for 1982 will receive a personal reminder.

B.H. Bijsterbosch

3.3 Reduced subscription

Elsevier has offered a reduced (probably ca. 20%) subscription to members of IACIS for "Advances in Colloid and Interface Science" (annual subscription rate normally ca. \$ 80.00) and "Colloids & Surfaces" (annual subscription rate normally ca. \$ 156.00), provided there is sufficient interest.

Members interested should contact Prof. G.D. Parfitt (Dept. of Chemical Engineering, Carnegie-Mellon University, Pittsburgh, PA 15213, USA).

3.4 IACIS propaganda

Please read the following recommendation to become a member (Professor E. Suito, in the Newsletter Vol. 7, No. 5 (Sept. 1982) of the Division of Colloid and Surface Chemistry of the Chemical Society of Japan).

三 二 情 報

IACIS 入会のすゝめ

第5回年報およびコロイド科学国際会議が1983年にオランダで開催される予定です。この国際会議のための準備委員会が日本化学会の当協会内に設けられました。また、この国際会議の開催は国際的にはコロイドおよび界面科学国際連合 (International Association of Colloid and Interface Scientists, IACIS) が決定し統括するものです。

最近、IACISの名称が知られて来ましたが、この5月で会員数307名、約270名、日本人はわずか26名です。日本の学

術的レベルよりも国際会議のことが多くなると、もう少し日本の会員数が増えてほしいと思います。IACISのことは本誌「レビュー」Vol. 5, No. 2に書きましたが、コロイドおよび界面科学に関係のあるものは誰でも入会でき、ニュースレター配布の他に関係のジャーナル (今のところ、Colloid and Polymer Science) も国際会議の費用の割引があり、会費は1515オランダ盾 (オランダ盾) です。なお、明年夏 Jerusalem で開催された IACIS討論会に理事会についての報告 (本誌) 及び第4回年報とコロイド科学国際会議の報告 (部会長松浦毅) が本誌「レビュー」Vol. 6, No. 5に掲載されています。

IACISの定款、規則並びに申込書は日本化学会事務局にあり、また、どうか多くの方々の御入会をお願いいたします。

(正副会長、IACIS副会長 永澤孝二)

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

In press is an appendix on Light Scattering to the Definitions, Symbols and Terminology Manual for Colloid and Surface Science, prepared for publication by M. Kerker.

Other current fields of interest are: surface chemical physics (R.S. Hansen, Ames, Iowa, USA), heterogeneous catalysis (J. Haber, 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, USA).

The next Assembly will be at Lyngby, Denmark, August 1983.

5. IACIS-sponsored meetings

5.1 International Conferences 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., USA, 1985 (see under 6)

6th Conference, Japan, 1988.

5.2 The planning of the 5th International Conference starts. Here is 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, June 24-28, 1985.

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

5.3 5th International Conference on Surface and Colloid Science (Joint meeting organised by IACIS, the French Société de Chimie Physique and the Société de Biophysique), 27-30 september 1983, Paris, France.

Title: Physical Chemistry of Colloids and Interfaces: Biomaterials and Drugs.

IACIS-members will be allowed a substantial reduction of registration fees.

Presentation. A large number of Colloid and Surface Scientists are currently involved with research relevant to biology, to health and to various aspects of biotechnology. The meeting topics would bring together those concerned in particular with the two following major fields of research, the polymeric biomaterials and the drug delivery systems, using concepts relevant to the "wet" surface and colloid science.

Talks on some socio-economic aspects of these topics delivered by appropriate lecturers are considered.

To encourage the exchange of ideas, only abstracts will be published.

A copy of the first circular is enclosed in this NL.

For further information contact: Dr. C. Troyanowsky (Secretary of

Société de Chimie Physique) 10 rue Vauquelin, 75005 Paris, France, or

Dr. L. Ter-Minassian-Saraga (IACIS-member) 45 rue des Saints-Pères, 75006 Paris, France.

5.4 8th Scandinavian Symposium on Surface Chemistry (with international participation), 4 - 6 June, 1984, at the Chemical Center of Lund University, Lund, Sweden. For further information contact Professor Per Stenius, Swedish Institute for Surface Chemistry, Box 5607, S-114 86 Stockholm, Sweden.

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

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.

6. Conferences in the field of Surface and Colloid Science

Note 1. If information is already given in the 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 in 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 Sixth Annual Meeting, The Adhesion Society, Savannah, Georgia, USA, Febr. 20-23, 1983. Information: Dr. J. Koutsky, Polymer Sci. and Standards Div., Bld. 224/Rm A 209, NBS, Washington, D.C. 20234, USA.

- 6.2 Powder Technology Conference "Powtech 83", March 9-11, 1983, Loughborough, U.K. See NL 5-6.35.
- 6.3 ACS, 185th Natl. Meeting, March 20-25, 1983, Seattle, USA. See NL 5-6.36.
- 6.4 Int. Symp. on Ion Exchange Membranes, April 12-13, 1983, Runcorn, U.K.
Information: Conference Secretariat: Soc. of Chem. Industry, 14-15 Belgrave Square, London SW1X 8PS, U.K.
- 6.5 Proteins in Colloidal Systems, April 14-15, 1983, Leeds, U.K. See NL 5-6.37.
Information: E. Dickinson, Procter Department of Food Sci., Univ. of Leeds, Leeds LS2 9JT, U.K.
- 6.6 North American Meeting of the Catalysis Society, May 1-4, 1983. Franklin Plaza, Philadelphia, Pa., USA. Information: T.A. Koch, Experimental Station Laboratory, Bld. 336/Rm 11, Wilmington, Delaware 19898, USA.
- 6.7 "Electrophoresis 83", May 9-12, 1983, Tokyo, Japan. See NL 5-6.38.
- 6.8 4th Hungarian Conference on Colloid Chemistry (with international participation) May 10-18, 1983, Eger, Hungary. Information: Mrs. E. Szepesváry, Hungarian Chem. Soc., Anker Köz 1, H 1061 Budapest, Hungary.
- 6.9 Int. Symp. on Membranes, May 17-19, 1983, Sydney, Australia. Information: C.J.D. Fell, School of Chem. Engineering, Univ. of New South Wales, P.O. Box 1, Kensington NSW 2033, Australia.
- 6.10 1st World Congress on Desalination and Water Reuse, May 23-27, 1983, Florence, Italy. Information: Frau L. Schubel, Dechema, P.O. Box 970146, D-6000 Frankfurt 97, FRG.
- 6.11 11th Australian Colloid and Surface Chemistry Student Conference, May 1983, Sydney, Australia. Information: D.A. Napper, Dept. of Physical Chemistry, University of Sydney, Sydney, NSW 2006, Australia.
- 6.12 Int. Symposium on Phase Relationships and Properties of Multicomponent Polymer Systems, May 30 - June 3, 1983, Anacapri-Capri, Naples, Italy.
Information: R. Palumbo, ITPR, CNR, Via Toiano, 6-80072 ARCO Felice (Napoli) Italy.

- 6.13 29th IUPAC congress, June 4-12, 1983, Cologne, FRG. See NL 5-6.39.
- 6.14 6th Int. Conf. on Sintering and Related Phenomena, Including Heterogeneous Catalysts, June 6-8, 1983, Notre Dame, Indiana, USA. Information: G.A. Sargent, Dept. of Metall. Eng. & Material Sci., Box E, Notre Dame, Indiana 46556, USA.
- 6.15 Milestones and Trends in Polymer Science, June 6-9, 1983, Midland, Michigan, USA. Information: J.K. Rieck, 1702 Building, The Dow Chemical Company, Midland, Michigan 48640, USA.
- 6.16 57th Colloid & Surface Science Symposium, ACS, June 12-15, 1983, Toronto, Canada. See NL 5-6.40. Topics are: 1) Colloid & Surface Sci. of Biological Systems; 2) Thermodynamics and Fluid Mechanics at Interfaces; 3) Adhesion, Lubrication, Friction and Wear; 4) Role of the Interface in Energy Resources Processing; 5) Ordering in Colloidal and Polymeric Systems; 6) Colloidal Metal Systems; 7) Application of Modern Surface Sci. to Heterogeneous Catalysis; 8) Colloid and Surface Phenomena in Fuel Cells & Water Electrolysis; 9) General.
- 6.17 Symp. on Catalytic Materials: Relationship Between Structure and Reactivity, (ACS "State of the Art Symp."), June 12-16, 1983, San Francisco. Information: T.E. Whyte, Jr., Catalytica Associates Inc., 3255 Scott Blvd, Ste 7, Santa Clara, Calif. 95051, USA.
- 6.18 5th Int. Symp. on Affinity Chromatography and Biological Recognition, June 13-17, 1983, Annapolis, Maryland, USA. Information: Symposium Secretariat 9650 Rockville Pike, Bethesda, Maryland 20814, USA.
- 6.19 43rd Conf. on Physical Electronics (Physics and Chemistry of Surfaces and Interfaces), June 20-22, 1983, Santa Fe, New Mexico, USA. Information: R.L. Schwoebel, Sandia National Laboratories, 1800, Directorate, Albuquerque, New Mexico 87185, USA.
- 6.20 8th Int. Congress on Catalysis, July 2-7, 1983, Berlin, FRG. Information: J.H. Block, Abteilung Grenzflächenreaktionen, Fritz Haber Inst. der Max Planck Gesellschaft, Faradayweg 4-6, D-1000 Berlin 33, FRG.

- 6.21 6th Intern. Zeolite Conference, July 10-15, 1983. Reno, Nevada, USA.
Information: J.W. Ward, Union Oil Co., P.O. Box 76, Brea, Calif. 92621, USA.
- 6.22 Copolymers, Structure and Solution Properties, July 11-14, 1983, Prague, Czechoslovakia, See NL 5-6.41.
- 6.23 Processing and Long-term Stabilities of Hydrocarbon Polymers, July 18-21, 1983, Prague, Czechoslovakia. Information: J. Pospisil, c/o Inst. of Macromolecular Chem., Czechoslovak. Acad. Sci., Heyrovského n.2, 162 06, Prague 616, Czechoslovakia.
- 6.24 7th Int. Symp. on Bioelectrochemistry and Bioenergetics, July 18-22, 1983, Stuttgart, FRG. Information: H.W. Nürnberg, Nuclear Research Center (K.F.A.), Inst. für Angewandte Physik. Chemie, P.O. Box 1913, D-4170 Jülich, FRG. For America: contact M. Blank, Dept. of Physiology, Columbia Univ., New York, N.Y. 10027, USA.
- 6.25 Principles of Plotation (Symp. honouring Sir I. Wark), July 1983, Adelaide, South Australia. Information: T.W. Healy, Dept. Physical Chemistry, Univ. of Melbourne, Parkville, Vic. 3052, Australia.
- 6.26 IUPAC, 32nd General Assembly (incl. meetings of the Commissions on Macromolecules and Surface & Colloid Sci., including Catalysis). Aug. 18-26, 1983, Lyngby, Denmark. See NL 5-6.42.
- 6.27 186th Natl. Meeting ACS, Aug. 28 - Sept. 2, 1983, Washington D.C., USA. See NL 5-6.43. Topics and contact persons a.o.: Catalysis (J. Dumesic, Dept. of Chemical Engineering, University of Wisconsin, Madison WI 53703, USA, and J.J. Gland, Physical Chemistry Dept., General Motors Research Laboratories, Warren, MI 48090, USA); Surface Vibrational Spectroscopy (A. Campion, Univ. of Texas, Austin, Texas 78712, USA); Bioelectrochemistry (M. Blank, Dept. of Physiology, College of Physicians and Surgeons, Columbia University, New York NY 10032, USA); Polymer Adsorption and Steric Stabilization (E.D. Goddard, Union Carbide Corporation, Tarrytown Technical Center, Old Saw Mill River Road, Tarrytown, NJ 10591, USA, and B. Vincent, Dept. of Physical Chemistry, University of Bristol, Bristol BS8 1TS, U.K.); Nucleation (J.L. Katz, Dept. of Chemical Engineering, Johns Hopkins University, Charles & 34th Streets, Baltimore, MD 21218, USA); Hydrodynamics of Electrophoretic Phenomena (J.L. Anderson, Dept. of Chemical Engineering, Carnegie-Mellon University, Pittsburgh, PA 15213, USA); Crystal Growth (G.H. Nancollas, Dept. of Chemistry,

- State University of New York, Buffalo, NY 14214, USA); Relations between Structure and Performance of Surfactants (M.J. Rosen, Dept. of Chemistry, Brooklyn College of City College of New York, Brooklyn, NY, USA); Simultaneous (joint) Int. Symp. on Macro- and Micro-emulsions. Info: D.O. Shah, College of Engineering, Univ. of Florida, Gainesville, Florida 32611.
- 6.28 The Role of Particle Interaction in Powder Mechanics, Aug. 29-31, 1983, Middelheim, The Netherlands. See NL 5-6.44.
- 6.29 6th Int. Symp. on Cationic Polymerization and Related Processes, Aug. 30 - Sept. 2, 1983, Belgium. Information: E. Goethals, Instituut voor Organische Chemie, Rijksuniversiteit Gent, Krijgslaan 221 (S-4) B-9000 Gent, Belgium.
- 6.30 Int. Symp. on Bioelectrochemistry and Bioenergetics, Sept. 4-9, 1983, Nottingham, U.K. Information: M.J. Allen, c/o Secretariat, Industrial & Business Liaison Office, Univ. of Nottingham, University Park, Nottingham, NG7 2RD, U.K.
- 6.31 29th Int. Symp. Macromolecules, Sept. 5-9, 1983, Bucharest, Romania. See NL 5-6.45.
- 6.32 7th Int. Conference on Crystal Growth, Sept. 12-16, 1983, Stuttgart, FRG. See NL 5-6.46. Information: M. Pilkuhn, Universität Stuttgart, Pfaffenwaldring 57, 7000 Stuttgart 80, FRG.
- 6.33 Int. Symp. on Spillover of Adsorbed Species, Sept. 12-16, 1983, Lyon-Villeurbanne, France. Information: S.J. Teichner, Université Claude Bernard, Lyon I, Laboratoire de Catalyse Appliquée en Cinétique Hétéroogène, L.A. No. 231 du CNRS, 43 Bd du 11 Novembre 1918, 69622 Villeurbanne Cedex, France.
- 6.34 Concentrated Colloidal Dispersions (Paradyn Discussion), Sept. 14-16, 1983, Loughborough, U.K.. See NL 5-6.47.
- 6.35 37th Int. Meeting Soc. Chim. Physique: Physical Chemistry of the Solid State. Applications to Metals and their Compounds, Sept. 19-23, 1983, Paris, France, (a.o. adsorption, grain boundary properties). Information: Soc. Chim. Phys., 10 rue Vauquelin, 75231 Paris Cedex 05, France.
- 6.36 Int. Symp. on Polymerization of Small Heterocycles and Aldehydes, Sept. 1983, Poland. Information: Polymer Institute, P.O. Box 49, Curie-Skłodowskiej 34, PL-41800 Zabrze, Poland.

- 6.37 2nd Europ. Symp. on Catalysis by Metals (Eurocat), Sept. 19-21, 1983, Brussels, Belgium. Information: A. Crucq, Unité de Recherches sur la Catalyse, B.P. 243, Campus Plane, Université Libre de Bruxelles, Blvd. du Triomphe, B-1050 Brussels, Belgium.
- 6.38 Physical Chemistry of Colloids and Interfaces: Biotechnology and Drug Research, Sept. 27-30, 1983, Paris. 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. Troyanowsky, c/o Soc. Chim. Phys., 10 rue Vauquelin, 75005, Paris, France. See also the leaflet enclosed in this NL.
- 6.39 2nd Hungarian Symp. on Particle Size Analysis and Powder Technology (with international participation), Sept. 27-30, 1983, Balatonfüred, Hungary. Information: L.G. Nagy, Dept. of Appl. Chem., Polytechnical University, H-1170 Budapest, Egri József u. 22, Hungary.
- 6.40 Hauptversammlung der Kolloidgeellschaft, Oct. 11-14, 1983, Bayreuth, FRG (themes: association colloids, liquid crystals). Information: H. Hoffmann, Universität Bayreuth, Lehrstuhl für Physikalische Chemie, Universitätsstrasse 30, Postfach 3008, Bayreuth, D-8580, FRG.
- 6.41 Fundamentals of Electrostatic Interactions in Colloidal Systems, Nov. 1983, Canberra, Australia (one-day). Information: L. White, Dept. of Phys. Chem., University of Melbourne, Parkville 3052, Australia.
- 6.42 Molecular and Microstructural Basis of Viscoelasticity and Related Phenomena (Faraday Symp. No. 18), Dec. 8-9, 1983, Cambridge, U.K. See NL 5-6.49. Info: M. Lal, Unilever Research, Port Sunlight Lab., Bebington, Wirral L63 3JW, U.K.
- 6.43 Short Range Interactions and Hydration, Dec. 20, London, U.K. Information: R. Aveyard, Dept. of Chemistry, University of Hull, Hull HU6 7PX, U.K.
- 6.44 3rd Int. Conf. on Solid Films and Surfaces, Jan. 1984, Sydney, Australia. Information: D. Haneman, Dept. of Physics, University of New South Wales, Kensington NSW 2033, Australia.

- 6.45 Advances in Mineral Sci. and Technology ("Mintech 50"), April 1984, Johannesburg, South Africa. Info: Conference Secretariat, Natl. Institute for Metallurgy, Private Bag X3015, 2125 Randburg, Republic of South Africa.
- 6.46 ACS, 187th Natl. Meeting, April 8-13, 1983, St. Louis, Missouri, USA. See NL 5-6.50. Topics a.o. Liquid crystals and ordered fluids, catalysis.
- 6.47 Interfacial Kinetics in Solution, April 9-11, 1984, Hull, U.K. (Faraday Discussion 77). Information: D.H. Everett, School of Chemistry, Dept. Phys. Chem., The University, Cantock's Close, Bristol BS8 1TS, U.K. See NL 5-6.51.
- 6.48 World Surfactants Congress, May 6-10, 1984, München, FRG. Info: Interplan Convention - and Visitors Service, Sophienstrasse 1, D-8000 München 2, FRG.
- 6.49 Biomembrane Fusion, May 1984, Sydney, Australia. Information: L. Fisher, CSIRO Division of Food Research, P.O. Box 52, North Ryde 2113, Australia.
- 6.50 8th Scandinavian Symposium on Surface Chemistry (with international participation), June 4-6, 1984, Lund, Sweden. Co-sponsored by IACIS, reduced fee for IACIS-members. Information: P. Stenius, Box 5607, S-11486 Stockholm, Sweden.
- 6.51 58th Colloid and Surface Science Symposium ACS, June 1984, Pittsburgh, USA. Co-sponsored by IACIS, reduced fee for IACIS-members. See NL 5-6.52. Info: G.D. Parfitt, Dept. Chem. Eng. Carnegie-Mellon University, Pittsburgh, PA 15213, USA.
- 6.52 8th Int. Congress on Catalysis, July 2-6, 1984, Berlin, FRG. See NL 5-6.53.
- 6.53 Int. Conference on Ion Exchange, July 15-20, 1984, Cambridge, U.K. Info: Conference Committee IEX 84, Soc. of Chem. Industry, 14 Belgrave Square, London SW1X 8PS, U.K.
- 6.54 ACS, 188th Meeting, Aug. 26-31, 1984, Philadelphia, USA. (Topic a.o. Catalysis). See NL 5-6.54.
- 6.55 4th Australian Colloid Conference, August 1984, Bendigo, Vic., Australia. Information: B. Johnson, Dept. of Phys. Chem., Bendigo-College of Advanced Education, Bendigo, 3550 Victoria, Australia.

- 6.56 Foaming, Aeration and Dynamic Surface Tension, Sept. 1984, London, U.K.
Information from Secretary Colloid & Interface Sci. Group of the Royal Soc. of Chemistry, R. Aveyard, Dept. of Chem., Univ. of Hull, Hull HU6 7RX, U.K.
- 6.57 IX. European Chemistry at Interfaces Conference, Sept. 1984, Belgium.
Information: A. Watillon, Service de Chimie Analytique, Université Libre, CP 160, 50 Avenue F.D. Roosevelt, 1050 Brussels, Belgium. See NL 5-6-55.
- 6.58 Characterization and Analysis of Polymers "Polymers 85", Febr. 11-14, 1985, Melbourne, Australia. Information: J.H. O'Donnell, Polymer & Radiation Group, Dept. of Chem., Univ. of Queensland, Brisbane 4067, Australia.
- 6.59 ACS 189th Meeting, April 28 - May 3, 1985, Miami Beach, Florida, USA.
Info: A.T. Winstead, ACS, 1155-16th Street NW, Washington DC 20036, USA.
- 6.60 5th Int. Conference on Surface and Colloid Science of IACIS, joint with the 59th Colloid & Surface Science Symp. (ACS, Divs. Coll. & Surface Sci.), June 24-28, 1985, Potsdam, NY, USA. Info: E. Matijević or J. Kratochvíl, Clarkson College of Technology, Potsdam, NY 13676, USA. See NL 5-6-56.
IACIS-members are entitled to a reduced fee; they are requested to suggest suitable themes, see item 5.2 of this NL. "Nucleation" has already been suggested.
- 6.61 IUPAC, 33rd General Assembly (incl. meetings of the Commissions on Macromolecules and Surface & Colloid Sci., including Catalysis), Aug. 1985, Lyon, France.
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, L63 3JW, U.K.
USA: 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, USA.

- Japan: Secretary Division of Colloid and Surface Chemistry, Chemical Society of Japan, 1-5 Kanda-Surugadai, Chiyoda-ku, Tokyo 101, Japan.
In future we would like to have IACIS representatives in various countries, including those having no specialized colloid and/or surface science group.
For international affairs see also the IUPAC Commission on Surface and Colloid Chemistry (see item 4). The secretary is Prof. M. Kerker, Clarkson College of Technology, School of Arts and Science, 349 Science Center, Potsdam, NY 13676, USA.
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
Aerosol Science and Technology (Am. Assoc. for Aerosol Research). Editors-in-chief: B.Y.H. Liu (University of Minnesota, 125 Mechanical Engineering, 111 Church Street S.E., Minneapolis, MN 55455), D.T. Shaw (Lab. for Power and Environmental Studies, State Univ. of New York at Buffalo, 4232 Ridge Lea Road, Amherst, NY 14226), and D.S. Ensor (Energy and Environmental Research Div., Research Triangle Institute, POB 12194, Research Triangle Park, NC 27709, USA)
Journal of Inclusion Phenomena (Reidel Publ. Co., Dordrecht, Neth.-Boston USA)
Editors-in-chief: J.L. Atwood (Dept. of Chem., Univ. of Alabama, USA) and J.F.D. Davies (Dept. of Chem., Univ. of Lancaster, U.K.).
- 8.B Serials
Coal Science Vol. 1, M.L. Gorbath, J.W. Larsen, I. Wender, Eds., Acad. Press (1982) \$ 32.50.
Advan. Polymer Sci. (Fortschritte der Hochpolymeren-Forschung), H.-J. Cantow et al., Eds., Springer Verlag.
Vol. 44 (1982) Polymer Networks, DM 92.00; Vol. 45 (1982) Interactions Between Macromolecules in Solution and Intermacromolecular Complexes, DM 92.00; Vol. 46 (1982) Behavior of Macromolecules, DM ?; Vol. 47 (1982) Synthesis and Degradation. Rheology and Extrusion, DM 86.00.

8.C Books 1981

- Emulsion Polymers and Emulsion Polymerization (ACS Symp. Series 165)
D.R. Bassett, A.E. Hamielec, Eds., ACS, Washington, Price?
- Molecular Electro-optics: Electro-optical Properties of Macromolecules and Colloids in Solution. S. Krause, Ed., Plenum \$ 59.50.
- Fizicheskaya i Kolloidnaya Khimiya, A. Ya. Malakhova, Vysheish shkola Minsk, USSR, Rub. 0.80.
- Polymer Blends, Processing, Morphology and Properties, E. Martascelli, R. Palumbo, M. Kryszewski, Eds., Plenum, \$ 59.50.
- Fizicheskaya i Kolloidnaya Khimiya, M.A. Menkovskii, L.A. Shvartman, Khimiya, Moscow, USSR, Rub. 0.70.
- Surfaces and Interfaces in Ceramic and Ceramic-Metal Systems (Material Sci. Research 14) J. Pask, A. Evans, Eds., Plenum \$ 75.00.
- Interpenetrating Polymer Networks and Related Materials, L.H. Sperling, Plenum \$ 35.00.
- 8.D Books 1982
- Physical Chemistry of Surfaces 4th Ed. A.W. Adamson, Wiley \$ 39.50.
- Surfactant Systems, their chemistry, pharmacy, biology, D. Attwood, A.T. Florence, Chapman & Hall £ 45.00.
- Hydrothermal Chemistry of Zeolites, R.M. Barrer, Acad. Press \$ 57.50.
- Macromolecules, An Introduction to Polymer Science, F.A. Bovey, F.H. Wilson, Acad. Press Student Ed. \$ 23.00.
- Polymer Chemistry, M.A. Cowd, J. Murray, London £ 1.95.
- Developments in Polymer Characterization - 3, J.V. Dawkins, Ed., Appl. Sci. Publ., Barking, Essex, U.K., £ 31.50.
- Colloidal Dispersions, J.W. Goodwin Ed., The Royal Soc. of Chemistry, London, £ 15.00 or £ 30.00; see enclosed brochure.
- Developments in Polymer Degradation - 4, N. Grassie, Ed., Applied Sci. Publ., Barking, Essex, U.K., £ 36.50.
- Adsorption, Surface Area and Porosity, S.J. Gregg, K.S.W. Sing, 2nd Ed., Acad. Press, \$ 44.50.
- Metal Microstructures in Zeolites. Preparation, properties, applications, P.A. Jacobs et al. Eds., Elsevier, Dfl. 165.00.

- Lipid-Protein Interactions - 2, P.C. Jost, O.H. Griffith, Eds., Wiley, £ 25.55.
- The Chemical Physics of Solid Surfaces and Heterogeneous Catalysis, Vol. 4, D.A. King, D.P. Woodcraft, Eds. Fundamental Studies of Heterogeneous Catalysis, Elsevier, Dfl. 320.00 or \$ 148.75.
- Solution Behavior of Surfactants. Theoretical and Applied Aspects, K.L. Mittal and E.J. Fendler, Eds. Plenum. Vol.1 \$ 85.00 (\$ 102.00 outside U.S. and Canada); Vol.2 same price; two volumes together \$ 150.00 (\$ 180.00 outside U.S. and Canada).
- Anionic Polymerization. Principles and Practice, M. Morton, Acad. Press, price?
- Chemorheology of Polymers, K. Murakami, K. Ono (Library of Polymer Sci. 1), Elsevier, Dfl. 100.00 or \$ 48.75.
- Computer Simulation and the Statistical Mechanics of Adsorption, D. Nicholson, N.G. Parsonage, Eds., Acad. Press, price?
- Microemulsions, I.D. Robb, Ed., Plenum Press, \$ 35.00 (\$ 42.00 outside US and Canada).
- Photopolymerization of Surface Coatings, C.G. Roffey, Wiley £ 22.50.
- Adsorption at the Gas-Solid Interface (Studies in Surface Sci. and Catalysis 10) J. Rouquerol, K.S.W. Sing, Eds., Elsevier, Dfl. 220.00 or \$ 102.50.
- Molecular Theory of Capillarity, J.S. Rowlinson, B. Widom, Oxford Univ. Press, £ 30.00.
- The Elements of Polymer Sci. and Engineering, introductory text for Engineers and Chemists, A. Rudin, Acad. Press, \$ 29.95.
- Electrical Properties of Polymers, D.A. Seanor, Ed., Acad. Press \$ 52.00.
- Chemistry and Physics of Solid Surfaces (Springer Series in Chem. Physics 20), R. Vanselow, R. Howe, Eds., Springer, DM 98.00.
- Polymer Interface and Adhesion, S. Wu, Marcel Dekker (Basel), SFr. 214.00.
- Introduction to Polymers, R.J. Young, Chapman & Hall £ 18.00 (paper bound £ 7.95).

9. Personal matters

IACIS regrets to report the death of Professor B. Tamamushi (Japan), Dr. W. Heller (USA) and Professor Zheng-Hui Liu (China).

Prof. D. Everett, member of the council, retired from his position as Leverhulme professor, University of Bristol, U.K.

10. Newsletter ideas

All members are invited to send their suggestions on the scope and other aspects of these Newsletters to the Newsletter Secretary (undersigned). Nobody reacted to the idea to advertise post-doc positions (NL 5-10). Marjorie Vold suggested to include brief abstracts of important papers (landmarks, highlights). This suggestion has been put forward before, but who is going to discriminate between "common" and "excellent" papers? A small committee? Theo Overbeek suggested to include brief summaries of important meetings (only IACIS-sponsored meetings?). Please, send your reactions and material for inclusion in coming Newsletters to

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