

IACIS

INTERNATIONAL ASSOCIATION OF COLLOID
AND INTERFACE SCIENTISTS

COLLOID AND INTERFACE SCIENCE INTERNATIONAL NEWSLETTER

No. 10 - October 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.

At the General Meeting of IACIS during the 5th International Conference in Potsdam N.Y., widening the scope of this Newsletter has been discussed. The suggestion has been put forward to use the NL for announcing available post-doc and similar scientific positions because this is one of the means we have for advertising regular positions.

For NL-11, to be published about 8 months after this one, I am inviting announcements. Please realize that compilation, typing, printing and mailing the NL takes about 6 weeks.

2. STATUS OF THE NEWSLETTER, LIABILITY

The first two Newsletters (henceforth abbreviated as NL 1 and NL 2), dated September 1978 and July 1979 respectively, were written under the auspices of the IUPAC Commission on Surface & 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 me, 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 me.

May I remind all members that the quality and value of the NL depends on the information that is passed on to me. Hence, please inform me of anything you consider worth while.

Hans Lyklema

3. IACIS NEWS

3.1 Death of Professor Parfitt

With deep regret we have to report the untimely death of Professor Geoff Parfitt, one of the three founders of IACIS and our first president. Here follows an obituary, written by professor Sing of Brunel University, U.K.

Geoffrey Derek PARFITT

It was with great sadness that the International community of colloid and surface chemistry heard the news of the sudden death of

Professor Geoffrey Parfitt on 7 July 1985. The shock was especially great to all those friends and colleagues who had been with him a little over a week earlier at the 5th International Conference on Surface and Colloid Science held at Clarkson University, U.S.A., since they were reminded of the warmth of his personality and his long-standing dedication to the cause of surface science.

Geoffrey Parfitt was born on 18 November 1928 in Radstock in the south west of England and attended Crewkerne School in Somerset. After completing his national service as a radar mechanic in the Royal Air Force he became an undergraduate student at Bristol University at the age of nearly twenty-one.

He obtained an honours degree in chemistry in 1952, and was invited to stay on at Bristol to undertake research under D.D. Eley on the semiconductivity of certain organic compounds. He was awarded his PhD in 1955 and took up a post-doctoral fellowship with W.J. Moore in Indiana. Returning from the United States in 1956, Parfitt joined Eley at Nottingham University as Lecturer in Physical Chemistry. He remained at Nottingham until 1969 and over this thirteen year period he and his students accomplished an impressive amount of research, initiating a range of new projects on the dispersion of powders in liquids, adsorption phenomena, electrical properties of colloids and the characterization of solid surfaces.

The second phase of Parfitt's career, i.e. industrial management, began in 1969 when he joined Tioxide International Ltd. Over the next ten years he became successively Assistant R & D Manager, Product Development Manager, Process Manager of Billingham Works and finally R & D Manager. During this time

he maintained strong links with the academic world, e.g. as Visiting Professor at Brunel University of California at Berkeley, and played a major role in organising a number of international conferences, serving on editorial boards and on various national committees. The books he edited on "Dispersion of Powders in Liquids", "Characterization of Powder Surfaces" and "Adsorption at the Solid/Liquid Interface" illustrate the range of his scientific interests. At the same time he was able to maintain a steady output of research papers in these fields of surface science.

The final phase in Parfitt's life began in 1980 when he became Professor of Chemical Engineering at Carnegie-Mellon University, Pittsburgh. In many respects this was an ideal appointment: it released him from the burden of administration and allowed him to develop his strong interests in the applied aspects of colloid science. At the time of his death his research activities were again flourishing and he had brought together a talented group of co-workers.

Geoff Parfitt was one of the founder members and the first President of the International Association of Colloid and Interface Scientists and it is to be hoped that IACIS will continue to grow and prosper in the way that he would have wished. Many would regard him as the leading ambassador of colloid science, crossing national and disciplinary boundaries with ease, always cheerful and giving encouragement to colleagues and friends. Those who were privileged to work with him find it difficult to believe that we can no longer turn to him for help and guidance. We shall long continue to remember him with affection and gratitude. We extend our sincere sympathy to Sheila Parfitt, her daughters, Christine and Linda, and son, Alan.

Kenneth Sing

3.2 President's Message

On June 25, 1985 the Council of the IACIS met during the 5th International Conference on Surface and Colloid Science in Potsdam, New York and discussed various problems of the Association. One of the major concerns is still the membership and its proper representation with respect to various geographic areas. It is my hope that the Council, to be constituted next year, will truly speak for the worldwide community of colloid and surface scientists.

The increased interest in our discipline and the reputation it enjoys is best testified by the success of this year's international conference sponsored by IACIS. With more than 1000 participants from 30 countries and 700 papers of high quality, this gathering represents the largest meeting in the history of colloid and surface science. Such a major event is in itself a significant justification for the existence of IACIS!

It is with great sorrow that we have to report this year the untimely death of Dr. Geoffrey Parfitt, the first President of IACIS. This tragic loss will be communicated elsewhere in this Newsletter. I, for one, have lost a friend and the strongest supporter of IACIS on whose advice I could always count.

This message is the last I am writing as the holder of the highest office of our Association. I wish to express my deepest appreciation to all who have supported me in governing IACIS and especially to Professors Bijsterbosch and Lyklema; their help has been essential for whatever progress we have made.

I am sure that my successor, Professor Per Stenius, will provide strong leadership for our Association. To him and to our members, best wishes.

Cordially,

Egon Matijević

3.3. From the Membership Secretary

Council- and General Meeting of IACIS during the 5th International Conference on Surface and Colloid Science.

At the third meeting of Council, held on July 25, 1985, it was agreed that the three-annual conferences will only be sponsored if abstracts are sent to all IACIS members, whether attending or not. The next conference will take place in 1988 in Hakone, Japan, whereas in 1991 preferably Europe should be the scene. As to regional and topical conferences to be organized in between, the President will appoint a committee that on his behalf shall review applications and set up a set of considerations for (co-)sponsorship of such conferences.

Council also agreed that differentiated membership fees (except for the student fee) will not be considered. However, a portion of the fee may be waived upon application for membership. The President will appoint a committee that has to work on the details of this arrangements.

My letter of 6 September

The members have already been informed about the composition of the nominating committee for the upcoming elections.

It was also agreed that any arrears in paying membership fee should not exceed a period of two years. Those to whom this decision may concern, will be notified at the end of this year, but, of course, I would appreciate them to settle their obligations without further reminder!

Membership and list of members

As per 1-10-1985 membership amounts to 345. Considering that on 31-12-1982 this number was only 275, some growth of IACIS is apparent. However, we need many more members to effectuate our goals!

Together with this Newsletter a fully updated list of members will be mailed. It has been suggested to include telephone-numbers. Those who would like to have this done, or those who have changes to report, are kindly requested to inform me.

Finances

As per 1-10-1985 the IACIS bank accounts amount to Dfl. 21,900 (about \$ 7,300) and \$ 790. Hence, financially spoken there are no serious restrictions for IACIS activities, which means that initiatives of individual members are whole heartily welcomed and that, after consent of the President, financial support may be possible.

Statutes and Bylaws

Upon a request by the President, Lyklema, Parfitt and the membership secretary made suggestions for adaptations of the Statutes and Bylaws. Their suggestions, comprising the deletion of the provisional and transitional bylaws, were approved by Council. A copy of the new Statutes and Bylaws will also be mailed together with this newsletter.

Bert Bijsterbosch,

Membership Secretary

3.4 Composition of Council

There are changes under its way, pending the elections. See the letter of September 6th 1985, sent to all IACIS members from Bert Bijsterbosch. You will be informed about the new President election and new Council composition in due course.

4. IUPAC COMMISSION ON SURFACE AND COLLOID CHEMISTRY, INCLUDING CATALYSIS

(Commission I.6)

At the occasion of the 33rd Assembly of IUPAC in Lyon (France) Commission I.6 convened. It has the following to report.

4.1. The composition of the Commission, subject to confirmation by IUPAC Council is now as follows: Sing (U.K.) chairman, Vincent (U.K.) secretary, Haber (Poland) vice-chairman; other titular members: Block (G.F.R.), Stenius (Sweden), Ter Minassian (France) and Lekkerkerker (Netherlands); Associate members: Churaev (Sovjet Union), Hunter (Australia), Maroto (Argentina), Rouquerol (France), Wells (U.K.): National representatives: Delmon (Belgium), Ionescu (Romania), Weiss (G.F.R.), Meyer (G.D.R.), Nagy (Hungary), Kuriacose (India), Misono (Japan), Sawandi (Malaysia), Lyklema (Netherlands), Everett (U.K.), Gravelle (France), Pajares (Spain).

4.2. The commission regrets to report the death of prof. Wolfram (Hungary), their past secretary.

4.3. Review of current projects

Lexicon of experimental techniques in surface chemical physics

Complete draft prepared by R.S. Hansen discussed jointly with Commission I.5. Title to be changed to replace 'Lexicon' by 'Survey'. Provisional document to be prepared by J.H. Block and K. Tamaru for submission 1986.

Reporting physisorption data for gas/solid systems

Project completed and recommendations published: Pure & Appl. Chem. 57, 603-619, 1985.

Reporting data on adsorption from solution

Report issued in provisional form and publication aimed for 1986.

Catalyst characterization

Complete draft of manual discussed and provisional form to be prepared by J. Haber for submission early 1986.

Reporting experimental pressure-area data

Project completed and recommendations published: Pure & Appl. Chem. 57, 621-632, 1985.

Definitions, terminology and symbols in light scattering

Provisional version published (Pure & Appl. Chem. 55, 931-941, 1983) and further action to be discussed with M. Kerker and J.P. Kratochvil.

4.4. New projects

Recommendations for the characterization of porous solids. Coordinator:

J. Rouquerol. International symposium to be organized and manual prepared by 1989.

Recommendations on the measurement and interpretation of interfacial

electrochemical data of disperse systems. Coordinator: J. Lyklema. Preparation of provisional report by 1987.

Reporting data on phase equilibria in surfactant and lyotropic liquid

crystals. Coordinator: P. Stenius. Recommendations in provisional form by 1987.

Thin films on solids: terminology in relation to their preparation and characterization. Coordinator: L. Ter-Minasyan Saraga. Feasibility study to be completed by 1987.

Manual on methods and procedures of catalyst characterization.

Coordinator: R. Burch. Second part of catalyst characterization manual to be completed by 1989.

4.5. Next get-together of Commission I.6. at the occasion of the 34th Assembly, Boston, August 1987.

4.6. Further information either from the persons mentioned or from the secretary, Dr. B. Vincent, The University, School of Chemistry, Cantock's Close, Bristol BS8 1TS, U.K.

Various IUPAC publications

- Compendium of Macromolecular Nomenclature ("The Purple Book") prepared by the Commission on Macromolecular Nomenclature, A.D. Jenkins, Ed. (1985). Blackwell Sci Publ., Oxford, \$ 24 or £ 20.
- Molecular characterization of ethylene-propylene block copolymers. Pure Appl. Chem. 56 (1984) 625.
- Viscoelastic properties of rubber-modified polymeric materials at elevated temperatures. Pure Appl. Chem. 56 (1984), 457.
- Recommendations on reporting electrode potentials in nonaqueous solvents. Pure Appl. Chem 56 (1984) 461.

A complete listing of all IUPAC nomenclature publications appears in the January issues of J. Chem. Soc. Faraday Transactions.

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, Hungary, 1973

2nd Conference, Puerto Rico, 1976

3rd Conference, Stockholm, Sweden, 1979

4th Conference, Jerusalem, Israel, 1981

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

Future: 6th Conference, Hakone, Japan, 1988.

5.2 Volunteers to host the 7th Conference, to be held in 1991 and those who would like to make recommendations, are requested to contact our president, prof. Egon Matijević, Clarkson Univ., Potsdam - NY 13676, U.S.A., preferably before the end of this year.

At the General Meeting of June 1985, Europe has been put forward as a viable option.

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.

1985

- 6.1 4th Int. Symp. on the Biophysics of Cell Surfaces, Oct. 27 - Nov. 1, 1985, Heringdorf, G.D.R. See NL9-6.45.
- 6.2 Kolloide Dispersionen: Herstellung, Eigenschaften, Anwendung, Nov. 3-11, 1985, Schloss Reinhardtbrunn, G.D.R. See NL9-6.46.
- 6.3 Advances in Experimental Techniques for Colloidal Phenomena, Nov. 10-15, 1985, Chicago - IL, U.S.A. See NL9-6.47.
- 6.4 4th Annual Meeting of the Am. Assoc. for Aerosol Research, Nov. 18-22, 1985, Albuquerque - NM, U.S.A. Contact Dr. Roger O. McDellan, Lovelace Inhalation Toxicology Research Institute, P.O. Box 5890, Albuquerque - NM 87185, U.S.A.
- 6.5 Characterization of Powders and Porous Materials, Nov. 1985, Melbourne, Australia. Info: Dr. N. Furlong, CSIRO Division of Appl. Org. Chem., P.O. Box 4331, Melbourne 3001, Australia.
- 6.6 Materials Research Soc. Fall Meeting, Dec. 2-7, 1985, Boston - MA, U.S.A. (includes surface chemistry). Info: M.R.S., 9800 McKnight Road, Suite 327, Pittsburgh - PA 15237, U.S.A.
- 6.7 Conference and Exhibition on Particle Size Analysis, Dec. 2-4, 1985, Antwerp, Belgium. Contact: S.T.I., Van Putlei 11, Antwerp, B 2018, Belgium.

- 6.8 VIII Conference on Surface Forces, Dec. 3-5, 1985, Moscow, U.S.S.R. See NL9-6.48.
- 6.9 Membran-verfahren in der Umwelttechnik, Dec. 5-6, 1985, Aachen, G.F.R. Contact: Verein Deutscher Ingenieure, P.O. Box 1139, D-4000 Düsseldorf, G.F.R.
- 6.10 Heavy Oil and Tar Sands, Dec. 9-10, 1985, Los Angeles. Contact: Enhanced Recovery Week, 1401 Wilson Blvd, Suite 910, Arlington - VA, U.S.A.
- 6.11 Interfacial Rheology, Dec 16th, 1985, London, U.K. See NL9-6.50.
- 6.12 Phase Transitions in Absorbed Layers, Dec. 17-18, 1985, Oxford, U.K. See NL9-6.49.
- 1986
- 6.13 Structure and Reactivity of Solids and Solid Surfaces, Feb. 9-11, 1986, Brisbane, Australia. Contact Dr. R. Smart, School of Science, Griffith Univ., Nathan QLD, Australia.
- 6.14 Fifth Australian Conference on Colloids and Surfaces, Feb. 11-14, 1986, Brisbane, Australia. Contact Dr. G. Barnes, Univ. of Queensland, Dept. of Chem., St. Lucia, QLD 4067, Australia.
- 6.15 Perspectives in Colloid Science, Febr. 19, 1986, London, U.K., (half day). Contact Mrs. Y.A. Fish, The Royal Society of Chemistry, Burlington House, Piccadilly, London W1V 0BN, U.K.

6.16 Symposium + Workshop on Adsorption on Carbons, March 17-20, 1986, Hilton Head - SC, U.S.A. Contact Dr. A.I. Medalia, 30 Dorr Road, Newton - MA 02158, U.S.A.

6.17 Geocolloids, April 1-3, 1986, Lancaster, U.K. Contact Dr. E. Tipping, Freshwater Biol. Ass., The Ferry House, Ambleside, Cumbria LA 22 0LP, U.K.

6.18 ACS-191 st. Natl. Meeting, Divs. of Colloid and Surface Chem. April 6-11, 1986, New York, U.S.A. Contact Barbara J. Kinzig, Midwest Res. Inst., 425 Volker Bld., Kansas City - MO 64110, U.S.A.

There are the following symposia organised by the Division:

Surface Science of Catalysis: Characterization of Catalysts using Synchrotron Radiation. Dr. Joachim Stohr, IBM Corporation, 5600 Cottle Road, San Jose - CA 95191

Surface Science of Catalysis: Catalytic Activation of CO₂ by Electrochemical, Photochemical and Catalytic Means. Dr. William Ayers, Energy Conversion Devices Inc., P.O. Box 5357, North Branch - NJ 08876

Surface Science of Catalysis: Chemistry and Physics of Clusters. Dr. Andrew Kaldor, Exxon Research and Engineering Company, Clinton Township, Annandale - NJ 08801, and Prof. M. Moskowitz, University of Toronto, Dept. of Chemistry, Toronto, Ontario, Canada M5S 1A4

Photochemical and Electrochemical Surface Science: Corrosion. Dr. Andrzej Wieckowski, Department of Chemistry, University of Illinois at Urbana-Champaign, Box 56-5, Urbana - IL 61801, and Dr. J.B. Lumsden, Rockwell

International Science Center, 1047 Camino dos Rios, Thousand Oaks - CA 91360

International Symposium on Chemical Aspects of Wear, Friction, and Lubrication. Dr. Barbara J. Kinzig and Dr. Paul Sutor, Midwest Research Institute, 425

Volker Boulevard, Kansas City - MO 64110

Colloidal Particles: Emulsion Polymerization. Dr. M.S. El-Aasser, Sinclair Laboratory 7, Lehigh University, Bethlehem - PA 18016, and I. Pilma, University of Akron, Akron - OH.

Molecular Processes at Solid Surfaces: Surface Chemistry Induced by Energetic Particles and Lasers. Prof. Peter C. Stair, Department of Chemistry, Northwestern University, Evanston - IL 60201, and Dr. John G. Tully, AT&T Bell Laboratories, 6000 Mountain Avenue, Murray Hill - NJ 07974.

Surface Chemistry in Biology, Medicine and Dentistry: Control of Fouling and Scaling in Food Processing Equipment. Prof. D. Lund, Department of Food Science, University of Wisconsin, Madison - WI 53076, and Prof. K. Larsson, Dept. of Food Chemistry, University of Lund, Lund, Sweden.

Surfactants and Association Colloids: Surfactants in Mineral and Material Systems. Prof. P. Somasundaran, Henry Krumb School of Mines, Columbia University, New York - NY 10027.

General Papers in Catalysis and Related Topics, Prof. Alex T. Bell, Dept. of Chemical Eng., University of California, Berkeley - CA 94720.

General Papers in Colloid Science and Related Topics, Dr. Ray Mackay, SMCOR-RSC, Chemical Division, Research Directorate, U.S. Army Chemical Research and Development Center, Aberdeen Proving Ground - MD 21010.

6.19 Seventh Conf. on Surface and Colloid Chem. of the Czech. Chem. Soc., April 7-10, 1986, Liblice, Czechoslovakia. See NI.9-6.52.

6.20 Neue Polymere - Spezielle Eigenschaften - Moderne Technologien, April 14-15, 1986, Bad Nauheim, G.F.R. Contact Prof. dr. H. Rudolph, Bayer AG, ZF Chemische Forschung, D5090, Leverkusen, G.F.R.

- 6.21 Lipid Vesicles and Membranes (Faraday Discuss. 81) April 15-17, 1986, Loughborough, U.K. See NL9-6.53.
- 6.22 Materials Research Society Spring Meeting, April 15-18, 1986, Palo Alto - CA, U.S.A. Info: M.C. Alberty, M.R.S., 9800 McKnight Road, Suite 327, Pittsburgh - PA 15237, U.S.A.
- 6.23 Partec/Powtech '86, 1st World Congress Particle Technology, April 16-18, 1986, Nürnberg, G.F.R. See NL9-6.54.
- 6.24 Macromolecular Flexibility and Behaviour in Solution, April 16-18, 1986, Bristol U.K. Contact: Meeting Officer, Inst. of Physics, 47 Belgrave Sq., London SW1X 8QX, U.K.
- 6.25 SPE/DOE Fifth Symp. Enhanced Oil Recovery, April 20-23, 1986, Tulsa - OK, U.S.A. Contact: Program Dept., Soc. of Petroleum Eng., P.O. Box 833836, Richardson - TX 75083, U.S.A.
- 6.26 4th World Congress Filtration, April 22-25, 1986, Ostende, Belgium. See NL9-6.55.
- 6.27 2nd Conference on Fundamentals of Adsorption, May 4-9, 1986, Santa Barbara - CA, U.S.A. See NL9-6.56.
- 6.28 (Provisional) Dispersions (1 day Parfitt-Memorial Symposium), May 15, 1986, London, U.K. Contact Dr. R. Aveyard, Dept. of Chem., Univ. of Hull, Hull HU 6 7RX, U.K.

- 6.29 IX European Chemistry at Interfaces Conference, May 19-25, 1986, Zakopane, Poland. See NL9-6.57.
- 6.30 Int. Symp. on Composite Interfaces (5th Cleveland Symp. Macromolecules), May 27-30, 1986, Cleveland - OH, U.S.A. Contact Prof. H. Ishida, Dept. of Macromolecular Sci., Case Western University, Cleveland - OH 44106, U.S.A.
- 6.31 Molecular Interactions between Surfaces, June 1-4, 1986, Stockholm, Sweden. See NL9-6.58.
- 6.32 60th Colloid and Surface Sci Symp., June 15-18, 1986, Atlanta - GA, U.S.A. Contact Prof. M.J. Matteson, School of Chem. Eng., Georgia Inst. of Technol., Atlanta - GA 30332, U.S.A.
- 6.33 Second Conference of European Rheologists, June 17-20, 1986, Prague, Czechoslovakia. Contact: 2nd EURO-RHEO Conference, Institute of Hydrodynamics, Czechoslovak Acad. Sci., Podbabská 13, 16612 Prague, Czechoslovakia.
- 6.34 Seventh Inst. Summer Conference "Chemistry of Solid-Liquid Interfaces" (including symposia on double layers and biomineralization), June 25-30, 1986, Brioni, Yugoslavia. Contact: Dr. V. Pravdić, Center for Marine Research Rudjer Bosković, P.O. Box 1016, 41001 Zagreb-Croatia, Yugoslavia.
- 6.35 Wingspread Polymer Colloids Conference, June 30 - July 4, 1986, Racine - WI, U.S.A. Contact: Dr. M. El-Aasser, Emulsion Polymers Inst., Sinclair Lab 7, Lehigh Univ., Bethlehem - PA 18015, U.S.A.

6.36 3rd Int. Conference on Polymer Supported Reactions in Organic Chemistry, July 7-11, 1986, Jerusalem, Israel. Contact: A. Warshawsky, Dept. Org. Chem., The Weizmann Institute of Science, Rehovot, Israel 76100.

6.37 Fourth Int. Conference on Magnetic Fluids, July 28 - Aug. 1, 1986, Tokyo and Sendai, Japan. Contact: Prof. S. Kamiyama, Inst. of High Speed Mechanics, Tohoku Univ., Katahira 2-1-1, Sendai 980, Japan.

6.38 Int. 10th Conf. on Non-Aqueous Solutions, Aug. 17-21, 1986, Leuven, Belgium. Contact: Dr. G. Maes, Celestijnenlaan 200-F, B-3030, Heverlee, Belgium.

6.39 6th Int. Symposium on Surfactants in Solution, Aug. 18-22, 1986, New Delhi, India. See NL9-6.60.

6.40 Fifth Int. Symp. on Synthetic Membranes in Science and Industry, Sept. 2-5, 1986, Tuebingen, G.F.R. Contact: DECHEMA, Abt. Tagungen, Attn. Mrs. Birkenberg, P.O. Box 970146, D6000 Frankfurt 97, G.F.R.

6.41 ACS, 192nd Natl. Meeting, Sept. 7-12, 1986, Anaheim - CA, U.S.A. At least the following sub-symposia in the field of Colloid and Interface Science, with the Symposium Chairmen, are planned:

Photochemical and Electrochemical Surface Science: Polymer Films on Electrodes. Prof. R.W. Murray, Department of Chemistry, University of North Carolina, Chapel Hill - NC 27514, and Dr. A.F. Diaz, IBM Corporation, 5600 Cottle Road, San Jose - CA 95191.

General Papers in Colloid Science and Related Topics. Dr. Ray Mackay, SMCCR-RSC, Chemical Division, Research Directorate, U.S. Army Chemical Research and

Development Center, Aberdeen Proving Ground - MD 21010.

Surface Chemistry in Biology, Medicine and Dentistry: Proteins at Interfaces. Dr. Thomas Horbett, Dept. of Chemical Engineering, BF-10, University of Washington, Seattle - WA 98195, and Dr. John Brash, Dept. of Chemical Engineering, McMaster University, Hamilton, Ontario, Canada L8S 4L7.

Surface Science of Catalysis: Surface Chemistry of Semiconductor Fabrication, Prof. J. Reimer, University of California at Berkeley, Berkeley - CA, and H. Sawin, Massachusetts Institute of Technology, Cambridge - MA.

Surface Science of Catalysis: Applications of Solid State NMR to Catalysis. Dr. M. Duncan, AT&T Bell Laboratories, Murray Hill - NJ.

General Papers in Catalysis and Related Subjects.

Molecular Processes at Solid Surfaces: Kinetics and Intermediates in Surface Reactions Characterized by Molecular Beam Studies. Dr. Sylvia T. Ceyer, Department of Chemistry, MIT, Cambridge - MA 02139.

Surfactants and Association Colloids: Uses and Applications of Microemulsions. Henry L. Rosano, Department of Chemistry, City University of New York, 139th Street and Convent Avenue, New York - NY 10031.

6.42 Surfactant Systems with Liquid-Liquid Interfaces, Sept. 9-10, 1986, Hull, U.K. Contact: Dr. R. Aveyard, Dept. of Chem., Univ. of Hull, Hull HU6 7RX, U.K.

6.43 ISEC '86 - Int. Solvent Extraction Conference, Sept. 11-16, 1986, Muenchen, G.F.R. Contact: DECHEMA, P.O. Box 970146, D6000 Frankfurt/M 97, G.F.R.

6.44 Macromolecules 86, Int. Conf. on Functional Polymers and Biopolymers, Sept. 15-19, 1986, Oxford, U.K. Contact: Dr. R. Epton, School of Applied Sci.,

Wolverhampton Polytechnic, Wulfruna Street, Wolverhampton WV1 1LY, U.K.

6.45 Promotion in Heterogeneous Catalysis, (Faraday Divs. Symp.) Sept. 23-25, 1986, Bath, U.K. Contact: Mrs. Y.A. Fish, Roy Soc. of Chem., Burlington House, London W1V 0BN, U.K.

6.46 Materials Research Fall Meeting, Dec. 1-5, 1986, Boston - MA, U.S.A. Contact: see 6.22.

6.47 (Provisional) Polymer-Polymer Interfaces, Dec. 15, 1986, London, U.K. Contact: Dr. R. Aveyard, Dept. of Chem., Univ. of Hull, Hull HV6 7RX, U.K.

1987

6.48 ACS 193rd Meeting, April 5-10, 1987, Denver - CO, U.S.A. Contact: A.T. Winstead, ACS, 1155 16th Street NW, Washington - DC 20036, U.S.A.

6.49 Brownian Motion (Faraday Discuss No. 83), April 7-9, 1987, Cambridge, U.K. Contact: Dr. M. Lal, Unilever Research, Port Sunlight Lab., Bebington, Wirral L63 3JW, U.K.

6.50 Materials Research Society Spring Meeting, April 21-25, 1987, Anaheim - CA, U.S.A. Info: see 6.22.

6.51 The 1987 Int. Congress on Membranes and Membrane Processes ICOM '87, June 8-12, 1987, Tokyo, Japan. Contact: Prof. dr. S. Kimura, Inst. of Industrial Science, Univ. of Tokyo, Roppongi, Minatoku, Tokyo 106, Japan.

6.52 (provisional) Meeting on Colloid Stability and Rheology in the Presence of Polymers, under IACIS-auspices, May or Sept. 1987, perhaps in the Netherlands. Confirmation to follow. Contact: Prof. dr. H.N. Stein, TH Eindhoven, Colloid Chemistry Department, P.O. Box 513, 5600 MB Eindhoven, The Netherlands.

6.53 31st IUPAC Macromolecular Symposium, June 30 - July 4, 1987, Merseburg, G.D.R. Contact: "Macro '87", Technische Hochschule "Carl Schorlemmer" Leuna-Merseburg, Otto-Muschke Strasse, 4200 Merseburg, G.D.R.

6.54 31st IUPAC Congress, July 13-18, 1987, Sofia, Bulgaria. Contact: Dr. R. Vlahov, Inst. of Organic Chem., Bulg. Acad. Sci., 1113 Sofia, Bulgaria.

6.55 34th Assembly of IUPAC, (with a.o. meeting of the Commission on Surface and Colloid Science, including catalysis and of the Macromolecular Division), Aug. 21-29, 1987, Boston - MA, U.S.A.

6.56 Ninth Int. Biophysical Congress, Aug. 23-29, 1987, Jerusalem, Israel. Contact: Mrs. Ruth Goldstein, The Aharon Katzir-Katchalsky Center, The Weizmann Inst. of Sci., Rehovot 76100, Israel.

6.57 ACS. 194th Meeting, Aug. 30 - Sept. 4, 1987, New Orleans, U.S.A. Contact: A.T. Winstead, ACS, 1155 16th Street NW, Washington - DC 20036, U.S.A.

6.58 38th Meeting Int. Soc. of Electrochemistry, Sept. 14-18, 1987, Maastricht, The Netherlands (with section devoted to electrochemistry of disperse systems). Contact: Dr. W. Visscher, Laboratory for Electrochemistry of the Technical Univ. of Eindhoven, P.O. Box 513, 5600 MB Eindhoven, The Netherlands.

6.59 Hauptversammlung Kolloidgesellschaft, Contact Prof. dr. G. Lagaly, Kolloidgesellschaft e.V., Inst. für Anorganische Chemie, Universität Kiel, Olshausenstrasse 40-60, 2300 Kiel, G.F.R.

1988

6.60 Tenth European Chemistry at Interfaces Conference, May or June 1988, San Benedetto, Italia. Contact: Prof. S. Trasatti, Lab. of Electrochemistry & Metallurgy, 21 Via Venezian, 20133, Milano, Italy.

6.61 Sixth Int. Conference on Surface and Colloid Science under IACIS

auspices, June 5-10, 1988, Hakone, Japan. Contact: the Division of Colloid and Surface Chem., The Chem. Soc. of Japan, 1-5 Kanda Surugadai, Chiyoda-ku, Tokyo 101, Japan.

6.62 Ninth Int. Conference on Catalysis, provisionally in July 1988, Alberta, Canada. Contact: Dr. Y. Amenomiya, Divs. of Chem. National Research Council, Ottawa, Ont. K1A 0R9, Canada.

6.63 Tenth World Congress on Rheology, Aug. 14-20, 1988, Sydney, Australia. Contact: Prof. R.I. Tanner, Dept. of Mechanical Eng., Univ. of Sydney, Sydney, NSW 2006, Australia.

Preview: Fifth Int. Symposium on Agglomeration, Japan 1989.

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 Secretary of the Colloid and Interface Science Group of the British Roy. Soc. of Chem. Faraday Divs. is Dr. R.A. Aveyard, Dept. of Chemistry, The University, Hull, HV6 7RX, U.K.

Australia The Newsletter Editor of the Roy. Australian Chem. Inst. Divs. of Colloid and Surface Chem. is Dr. Len Fisher, CSIRO Food Research, P.O. Box 52, North Ryde NSW 2113.

Look here what the Aussies say about IACIS:

Some of our members may still not be aware of the benefits of membership (or even the existence!) of the International Association of Colloid and Interface Scientists. This association fosters close links between colloid and surface scientists around the world by means of address lists, a newsletter which gives extensive details of conferences (too many to include in this newsletter), and reduced conference fees for members. Information about the organisation can be obtained from:
Prof. B.H. Bijsterbosch, Laboratory for Physical and Colloid Chemistry, Agricultural University, De Dreijen 6, 6703 BC Wageningen, The Netherlands.

8. PERSONAL

Over the past months the field of Colloid and Interface Science suffered some severe losses.

In April, Prof. E. Wolfram of Budapest died. He was lately secretary of the IUPAC Commission on Surface and Colloid Science including Catalysis.

In Moscow Prof. A.V. Kiselev died; he was renowned for his work in gas adsorption.

The death of Prof. G.D. Parfitt has already been mentioned before in this newsletter.

Last September Prof. P.J. Flory of Stanford died. He received a Nobel prize for his work on polymers.

9. 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.

9.A New Journals

Advanced Drug Delivery Reviews, G. Poste, E. Tomlinson, Eds. Three issues per volume. Vol 1 (1986) \$120.75 incl. postage and handling. Elsevier Science Publishers, P.O. Box 211, 1000 AE Amsterdam, The Netherlands.

Liquid Crystals, G.R. Luckhurst, E.T. Samulski, Eds. Six issues per volume. Vol. 1 (1986) £90.00 or \$160.00. Taylor & Francis Ltd., Rankine Road, Basingstoke, Hants RG24 0PR, U.K.

Reactive polymers, ion exchangers, sorbents, F.G. Helfferich, Ed. Four issues per volume. Vol. 1, 2 and 3 \$84.75 per vol. incl. postage. Vol. 4 (1985) \$86.00 incl. postage. Elsevier Science Publishers, P.O. Box 211, 1000 AE Amsterdam, The Netherlands.

Reactivity of Solids, P. Barret, P.K. Gallagher, J. Haber, Eds. Four issues per volume. Vol. 1 (1985) \$89.75 incl. postage. Elsevier Science Publishers, P.O. Box 211, 1000 AE Amsterdam, The Netherlands.

Superlattices and Microstructures, J.D. Dow, Ed. Vol. 1, 1985, 6 issues, £75.00 (U.K.) or \$132.00 (overseas). Academic Press, Inc., 111 Fifth Avenue, New York, NY 10003, U.S.A. or 24-28 Oval Road, London NW1 7DX, U.K.

Water Science Reviews, F. Franks, Ed., annual journal, Vol. 1 (1985) £24.00, Cambridge University Press, The Edinburgh Building, Shaftesbury Road, Cambridge CB2 2RU, U.K.

9.B Serials

Adhesion (Elsevier, Barking, U.K.)

Vol.9: K.W. Allen, Ed. (1985) £35.00 (\$52.50 in U.S. & Canada)

Advances in Chromatography (Marcel Dekker, New York, U.S.A.)

Vol.24: J. Calvin Giddings et al., Eds. (1984)

Advances in Polymer Science (Springer, Berlin, G.F.R.)

Vol.66/67 Characterization of polymers in the solid state, Vol.I and II,

H.H. Kausch, H.G. Zachmann, Eds. (1985) DM 128.00

Vol.70 Key polymers. Properties and performance K. Dusek et al., Eds., (1985) DM 132.00

Biological Membranes (Academic Press, Orlando-London)

Vol.5 Trigger Processes in Cell Biology, D. Chapman, Ed. (1985) \$75.00.

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

Vol.1 Single Cell Protein, I. Goldberg (1985) DM 136.00

Comprehensive Chemical Kinetics (Elsevier, Amsterdam-New York),

C.H. Bamford et al., Eds.

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

Vol.21 Reactions of Solids with Gases (1984) \$79.75

Comprehensive Treatise of Electrochemistry (Plenum, New York-London)

Vol.8 Experimental Methods in Electrochemistry, R.F. White et al., Eds. (1984),

\$89.50 (\$107.40 outside U.S. & Canada)

Vol.9 Electrode Processes, Experimental Techniques, E. Yeager et al., Eds. (1984)

\$65.00 (\$78.00 outside U.S. & Canada)

CRC Handbook of Chromatography (CRC Press, Boca Raton - FL 33431, U.S.A.)

Polymers, C.G. Smith et al., Eds. (1982) \$58.00 (\$67.00 outside U.S.)

Developments in Mineral Processing (Elsevier, Amsterdam-New York)

Vol.6 Flotation of sulphide minerals, K.S.N. Forsberg, Ed. (1985) \$101.75

International Fiber Science and Technology Series (Marcel Dekker, New York-Basel)

Vol.5 Handbook of Fiber Science and Technology Vol.III High Technology Fibers

Part A, M. Lewin, J. Preston, Eds. (1984) \$99.75 (\$119.50 or SFr.299.00 outside U.S. & Canada)

Ion Exchange and Solvent Extraction (Marcel Dekker, New York-Basel)

Vol.9: J.A. Marinsky, Y. Marcus, Eds. (1985) \$85.00 (\$102.00 or SFr.255.00 outside U.S. & Canada)

Membrane Fluidity in Biology (Academic Press, Orlando-London)

Vol.3 Disease Processes, R.C. Aloia, J.M. Boggs, Eds. (1985) \$64.50

Particle Characterization in Technology (CRC Press, Boca Raton - FL33431, U.S.A.), J. Keith Beddow, Ed.

Vol.1 Applications and microanalysis (1984) \$81.00 (\$93.00 outside U.S.)

Vol.2 Morphological Analysis (1984) \$99.50 (\$114.00 outside U.S.)

Phase Transitions and Critical Phenomena (Academic Press, Orlando, U.S.A.)

Vol.9: C. Domb, J.L. Lebowitz, Eds. (1984) \$60.00

Polymer Science and Technology (Plenum, New York)

Vol.26 Polymer Additives, J.E. Kresta, Ed. (1984) \$72.50 (\$87.00 outside U.S. & Canada)

Vol.27 Molecular Characterization of Composite Interfaces, H. Ishida, G. Kumar, Eds. (1985) \$75.00 (\$90.00 outside U.S. & Canada)

Vol.28 Polymeric Liquid Crystals, A. Blumstein, Ed. (1984) \$75.00 (\$90.00 outside U.S. & Canada)

Vol.29 Adhesive Chemistry, Developments and Trends, L.-H. Lee, Ed. (1984) \$115.00 (\$138.00 outside U.S. & Canada)

Proceedings of 1984 Mrs Fall Meeting (Materials Research Society, Pittsburgh, U.S.A.)

Vol.37 Layered Structures, Epitaxy and Interfaces, J.M. Gibson, L.R. Dawson, Eds. (1985) \$50.00 (\$55.00 outside U.S.)

Science and Technology (Marcel Dekker, New York-Basel)

Vol.7 Organic Coatings, G.D. Parfitt, A.V. Patsis, Eds. (1984) \$75.00 (\$90.00 or SFr.208.00 outside U.S. & Canada)

Springer Series in Chemical Physics (Springer, Berlin, G.F.R.)

Vol.35 Chemistry and Physics of Solid Surfaces, R. Vanselow, R. Howe, Eds.
(1984)

Springer Series in Surface Sciences (Springer, Berlin. G.F.R.)

Vol.2 The Structure of Surfaces, M.A. Van Hove, S.Y. Tong, Eds. (1985)

DM 138.00

Vol.3 Dynamical Phenomena at Surfaces, Interfaces and Superlattices, F. Nizzoli et al., Eds. (1985) DM 89.00

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

Vol.18 Structure and Reactivity of Modified Zeolites, P.A. Jacobs et al., Eds.
(1984) \$74.00

Vol.20 Catalysis by Acids and Bases, B. Imelik et al., Eds. (1985)

Surface and Colloid Science (Plenum, New York, U.S.A.)

Vol.13: E. Matijević, R.J. Good, Eds. (1984) \$45.00 (\$54.00 outside U.S. & Canada)

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

Vol.16 Surfactants in Cosmetics, M.M. Rieger, Ed. (1985) \$89.00 (\$106.50 outside U.S. & Canada)

9.C Books 1984

Collection of Simulated XRD Powder Patterns for Zeolites, R. von

Ballmoos, Butterworths, U.K., £9.95 (\$19.90) U.K. and Overseas

Proceeding of Vacuum 84: Technological Aspects of Surface Treatment and

Analysis, J.S. Colligan et al., Eds., Pergamon Press, Oxford, U.K.

Polymers in Electronics, T. Davidson, Ed., American Chemical Society, Washington, U.S.A., \$95.95

Characterization of Heterogeneous Catalysts, F. Delannay, Ed., Dekker, New York, U.S.A.

Carbon Fibers, J.B. Donnet, R.C. Bansal, Marcel Dekker, New York, U.S.A.

Kinetics of Aggregation and Gelation, F. Family, D.P. Landau, Eds., North-Holland, Amsterdam, The Netherlands

Selected Papers Presented at the International Membrane Technology

Conference INTEC '83, A.G. Fane, C.D. Fell, Eds., Elsevier, Amsterdam, The Netherlands

An Introduction to Chemisorption and Catalysis by Metals, R.P.H. Gasser, Clarendon Press, U.K., £25.00

Microbial Degradation of Organic Compounds, D.T. Gibson, Marcel Dekker,

New York-Basel, SFr. 251.00

Spin Labeling in Pharmacology, J.L. Holtzman, Ed., Academic Press, Orlando-London, \$49.50

Oberflächenchemie faserbildender Polymerer, H.-J. Jacobasch, Akademie-

Verlag, Berlin, G.D.R., M 48.00

Chemistry of Interface Surfaces (Russ.), M. Jacot, D. Parfitt, MIR Moscow, U.S.S.R., Rub. 2.80

Field, Thermionic, and Secondary Electron Emission Spectroscopy,

A. Modinos, Plenum, New York, U.S.A., \$55.00 (\$66.00 outside U.S. & Canada)

Water-Soluble Synthetic Polymers: Properties and Behavior, P. Molyneux, CRC Press, Boca Raton- FL 33431, U.S.A., Vol. I \$75.00 (\$87.00 outside U.S.), Vol. II \$83.00 (\$95.00 outside U.S.)

Colloidal Chemistry of Synthetic Latexes (Russ.), R.E. Neiman et al., Voronezhskii Universitet Voronezh, U.S.S.R., Rub. 0.35

Handbook on Physical Chemistry of Polymers Vol.1 Properties of solutions and mixtures of polymers (Russ.), A.E. Nestorov, Naukova Dumka Kiev, U.S.S.R., Rub. 1.90

Thermodynamics of Polymer Solutions and Mixtures (Russ.), A.E. Nestorov, Y.S. Lipatov, Nauka Moscow, U.S.S.R., Rub. 3.40

Electrophoresis '84, Proceedings of the 4th Meeting of the International Electrophoresis Society, Goettingen, V. Neuhoff, Ed., Verlag Chemie Weinheim, G.F.R.

Introduction to Aerosol Science, P.C. Reist, Macmillan, New York, U.S.A.

Ion Exchange and Chromatography (Russ.), G.V. Samsonov, Ed., Nauka, Leningradskoe Otdelenie Leningrad, U.S.S.R., Rub. 2.90

Interrelations between Processing, Structure and Properties of Polymeric Materials, J.C. Seferis, P.S. Jheocaris, Eds., Elsevier, Amsterdam-New York, \$146.25

Colloidal Chemistry (Russ.), A.D. Sheludko, MIR Moscow, U.S.S.R., Rub. 3.80

The Physical Chemistry of Membranes, M.E. Starzak, Academic Press, Orlando, U.S.A.

Physical Chemistry of Surfaces and Disperse Systems, M.T. Toral, Urmo Bilbao, Spain, Pras 2300

Practical Course in Colloidal Chemistry of Surfactants (Russ.), V.N. Verezhnikov, Voronezhskii Universitet Voronezh, U.S.S.R., Rub. 0.40

Kinetic Theory of Coagulation (Russ.), V.M. Voloshchuk, Gidrometeoizdat, Leningrad, U.S.S.R., Rub. 3.20

Highly Dispersed Oriented State of Polymers (Russ.), A.L. Volynskii, N.F. Bakeev, Khimiya Moscow, U.S.S.R., Rub. 2.10

9.D Books 1985

Surface and Interfacial Aspects of Biomedical Polymers, J.D. Andrade, Ed., Vol.1: Surface Chemistry and Physics, \$69.50 (\$83.40 outside U.S. & Canada); Vol.2: Protein Adsorption at Polymer-Water Interfaces, \$49.50 (\$59.40 outside U.S. & Canada)

Structure and Properties of Cell Membranes, G. Benga, Ed., Vol.1: A

Survey on Molecular Aspects of Membrane Structures and Function, \$87.00 (\$99.00 outside U.S.); Vol.2: Molecular Basis of Selected Transport Systems, \$92.00 (\$106.00 outside U.S.); Vol.3: Methodology and Properties of Membranes, \$100.00 (\$115.00 outside U.S.) CRC Press, Boca Raton - FL 33431, U.S.A.

Polymer Colloids, R. Buscall et al., Eds., Elsevier, Barking, U.K., £38.00 (\$57.00 in U.S. & Canada)

An Introduction to Automated Process Planning Systems, T.C. Chang, R.A. Wysk, Prentice Hall, Hemel Hempstead, U.K., £40.20

Surface Crystallography: an Introduction to Low Energy Electron Diffraction, L.J. Clarke, John Wiley, Chichester, U.K.

Oils, Lubricants, and Petroleum Products, J.P. Coates, L.C. Setti, Marcel Dekker, New York, U.S.A., \$145.00

Polymer Permeability, J. Comyn, Ed., Elsevier, Barking, U.K., £45.00 (\$67.50 in U.S. & Canada)

Mass Spectrometry of Large Molecules, S. Facchetti, Ed., Elsevier, Amsterdam, The Netherlands, Dfl. 230.00

Statistische Thermodynamik, G.H. Findenegg, Steinkopff, Darmstadt, G.F.R., DM 30.00

Processing, Structure and Properties of Block Copolymers, M.J. Folkes, Ed., Elsevier, Barking, U.K., £30.00 (\$45.00 in U.S. & Canada)

An Introduction to Chemisorption and Catalysis by Metals, R.P.H. Gasser, Oxford University Press, U.K., £25.00

Polymer Surfactant Interaction, E.D. Goddard, Ed., Elsevier, Amsterdam

Polymer Degradation & Stabilization, N. Grassie, G. Scott, Cambridge University Press, U.K., £27.50

Regulation and Development of Membrane Transport Processes, J.S. Graves, Ed., Wiley-Interscience, New York, U.S.A., \$39.95

Polymer Photophysics and Photochemistry. An Introduction to the Study of Photoprocesses in Macromolecules, J. Guillet, Cambridge University Press, U.K., £45.00

Catalysis and Surface Science, H. Heinemann, F.A. Somorjai, Eds., Marcel Dekker, New York-Basel, \$90.00 (\$75.00 in U.S. & Canada)

Colloidal Phenomena, C.S. Hirtzel, R. Rajagopalan, Noyes Publications, Park Ridge - N.J. 07656, U.S.A., \$36.00

Proceedings of the 6th European Conference on Surface Science, J.E. Inglesfield et al., North-Holland, Amsterdam, The Netherlands

Intermolecular and Surface Forces with Applications to Colloidal and Biological Systems, J.N. Israelachvili, Academic Press, London-Orlando, \$65.00/£59.50 (U.K. only)

Hydration Forces and Molecular Aspects of Solvation, B. Joensson, Ed., Cambridge University Press, U.K.

Polarized Electrons at Surfaces, J.M. Kirschner, Springer, Berlin-Heidelberg-New York-Tokyo, DM 69.00

Thin Films from Free Atoms and Particles, K.J. Klabunde, Ed., Academic Press, in prep.

Electronic Properties of Polymers and Related Compounds, H. Kuzmany et al., Eds., Springer, Berlin-Heidelberg-New York-Tokyo, DM 89.00

Recent Advances in Liquid Crystalline Polymers, L. Lawrence Chapoy, Ed., Elsevier, Barking, U.K., £40.00 (\$60.00 in U.S. & Canada)

Mechanics of Polymer Processing, J.R.A. Pearson, Elsevier, Barking, U.K., £75.00

Dynamic Light Scattering, R. Pecora, Ed., Plenum, New York, U.S.A., \$59.50 (\$71.40 outside U.S. & Canada)

Polymer Photophysics. Luminescence, Energy Migration and Molecular Motion in Synthetic Polymers, D. Phillips, Ed., Chapman & Hall, New York, £25.00

Physical Chemistry of Colloids and Macromolecules, B. Ranby, Blackwell

Scientific Publications Ltd., Oxford, U.K., about \$24.00/£20.00

Macro and Microemulsions: Theory and Application, D.O. Shah, Ed., American Chemical Society, Washington D.C., U.S.A.

Characterization of the Compact Form in Stereoregular Hydrophobic Polyelectrolytes, S. Sugai, ???

Engineering Rheology, R.I. Tanner, Ed., Oxford University Press

Biochemistry of Lipids and Membranes, D. Vance, J.E. Vance, Addison-Wesley, Amsterdam, The Netherlands

Dynamical Processes and Ordering on Solid Surfaces, A. Yoshimori, M. Tsukada, Eds., Springer, Berlin, G.F.R.

9.E Books 1986

Foundations of Colloid Science, R.J. Hunter et al., Oxford University Press, U.K., Vol.I approx. £60.00

10. NEWSLETTER IDEAS AND INFORMATION

All members are invited to send their suggestions on the scope and other aspects of these Newsletters. As it stands, I have to do a too large fraction of the compilation on my own. Contributions to fostering international contacts are specifically solicited but information on meetings is also very welcome. The more material I receive, the more frequent the Newsletter!

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

Hans Lyklema