

News

Meetings

EUCHEM CONFERENCE ON METAL PROTEINS

An EUCHEM Conference on Metal proteins will take place from April 21-26, 1969, at Helgoland, Germany. The following topics will be dealt with:

- (1) Chemistry and biochemistry of iron proteins;
- (2) Metal proteins with other transition-metals, *e.g.* copper, cobalt, vanadium;
- (3) Model complexes for metal proteins;
- (4) Physical methods for the study of proteins (E.S.R., N.M.R., O.R.D., C.D.);
- (5) Round table discussion about advantages and disadvantages of the solid phase synthesis of polypeptides.

Prof. Dr. E. BAYER, Lehrstuhl für Organische Chemie der Universität Tübingen, is Chairman of the Conference.

The provisional program as well as the preliminary registration forms may be obtained from Dr. W. FRITSCHÉ, Gesellschaft Deutscher Chemiker, 6000 Frankfurt (M), Postfach 119075, Germany.

CHROMATOGRAPHIC TECHNIQUES

A two day Symposium on "Chromatographic Techniques" is to be held at the Department of Chemistry and Applied Chemistry, University of Salford, Salford M5 4WT, Lancs., Great Britain on 17th and 18th April, 1969.

Speakers include

- Dr. D. M. W. ANDERSON, University of Edinburgh;
- Dr. J. R. CORDER, University of Swansea;
- Mr. M. S. J. DALLAS, Unilever Research, Welwyn;
- Mr. M. J. MAGGS, W. G. Pye and Co. Ltd., Cambridge;
- Dr. R. STOCKS, Regional College of Technology, Nottingham.

Time will be available for the presentation of a number of short contributed papers. Authors wishing to present papers at the meeting should send abstracts of their proposed contributions to the symposium organisers, Dr. R. J. T. GRAHAM, Mr. J. A. NOBLE and Mr. W. E. SHARPLES, by 28th February, 1969.

INSTITUTE OF PETROLEUM

GAS CHROMATOGRAPHY DISCUSSION GROUP

Pyrolysis Gas Chromatography Sub-group

Chairman: Mr. C. E. ROLAND JONES, Vinyl Products, Carshalton, Surrey, Great Britain.

Secretary: Dr. S. G. PERRY, Esso Petroleum Co. Ltd., Esso Research Centre, Abingdon, Berks., Great Britain.

The inaugural meeting of this Sub-group was held on Tuesday, 10 December 1968, in the Lecture Theatre of the Institute of Petroleum, 61 New Cavendish Street, London W.1. at 2.45 p.m. The meeting closed at 5.30 p.m.

AGENDA

- (1) Introduction.
- (2) Summary of replies to the questionnaire—Secretary.
- (3) Survey of pyrolysis equipment—Mr. N. B. COUPE.
- (4) Rationalization of PGC: The first step. Proposals for a co-operative trial—Chairman.
- (5) Open discussion of proposals.

Liquid Chromatography Sub-group

The second informal symposium to be organised by this sub-group will be held at the Royal Society of Tropical Medicine and Hygiene, 26 Portland Place, London, W.1., Great Britain, on Thursday, March 27th, 1969. The scientific programme will consist of the following items:

(1) High efficiency liquid chromatography—present state of the art, by R. P. W. SCOTT, Unilever Research Laboratory, Colworth House, Bedford.

(2) Liquid-solid chromatography on silicic acid—some new aspects, by R. J. MAGGS, Pye Unicam Ltd., Cambridge.

(3) Ion exclusion chromatography of food constituents, by F. WESLEY, Crosse & Blackwell, Ltd., London.

(4) The application of liquid chromatography in columns to the analysis of steroids and pesticides, by J. F. K. HUBER, University of Amsterdam.

(5) A panel discussion on detectors for liquid chromatography.

IDENTIFICATION OF SUBSTANCES BY PAPER AND THIN-LAYER CHROMATOGRAPHY

The 4th International Symposium on Identification of Substances by Paper and Thin-Layer Chromatography organized by the Chromatography Group of the Czechoslovak Chemical Society and Laboratorio di Cromatografia of the Consiglio Nazionale delle Ricerche (Italy) will take place in Frascati (near Rome), Italy, September 22-24, 1969. Chairmen: K. MACEK (Prague), I. M. HAIS (Hradec Králové) AND M. LEDERER (Rome).

PROGRAMME

- (1) Introduction (by K. MACEK, Prague).
- (2) Identification of organic substances
 - (a) Identification based on mobility (introduced by I. E. BUSH, Richmond);
 - (b) Identification based on detection (introduced by E. STAHL, Saarbrücken);
 - (c) Reaction before or during chromatography, formation of derivatives (introduced by M. S. J. DALLAS, Welwyn);
 - (d) Chromatography of decomposition products (introduced by J. GASPARIČ, Rybitví);
 - (e) Combination with other chromatographic principles (GC, CC, electrophoresis) (introduced by J. JANAK, Brno);
 - (f) Combination with other physico-chemical methods (Mass and I.R.-spectroscopy, elementary analysis, use of computers etc.) (introduced by G. SZEKELY, Basel).
- (3) Identification of inorganic compounds (introduced by M. LEDERER, Rome).

Since the Symposium has a definite working programme, the number of participants will be limited to 110. In addition to a small number of invited members, priority will be given to those who intend to take part in the proceedings of the Symposium either by presenting a short original paper or by contributing to the discussion. Communications which concern the theme only marginally are not suitable.

Non-committal applications giving the title and a brief abstract or description of the paper or stating the subject on which a contribution to the discussion will be presented, should be sent by April 30th, 1969 to: Dr. KAREL MACEK, *c/o* Istituto di Chimica, Piazzale delle Scienze 5, Roma, Italy.

MEETINGS OF THE GESELLSCHAFT DEUTSCHER CHEMIKER IN 1969

- March 10-15, 1969 Symposium of the Working Group Mass Spectrometry, Section Atomic and Molecular Impact Processes together with the Divisions Plasma Physics and Short Time Physics, Heidelberg.
- April 8-12, 1969 Meeting on Analytical Chemistry, prepared by the Division for Analytical Chemistry of the GDCh.
- April 15-18, 1969 3rd International Protactinium Conference organized by the Gesellschaft Deutscher Chemiker in cooperation with GDCh-Fachgruppe "Kern-, Radio- und Strahlenchemie", Schloss Elmau, near Mittenwald. (The number of participants is limited to 100 persons.)
- April 22-26, 1969 EUCHEM Conference "Metal Proteins", Isle of Helgoland. (The number of participants is limited to 100 persons.)
- May 7-10, 1969 Meeting of the Division for Coatings and Pigments of the GDCh, Bad Ems.
- May 13-14, 1969 Annual Meeting of the Division for Water Chemistry of the GDCh, Bad Dür rheim (Black Forest).
- September 15-20, 1969 General Assembly of the Gesellschaft Deutscher Chemiker in Hamburg.
Meetings of Divisions on the Occasion of the General Assembly of the GDCh:
Analytical Chemistry Division;
Coatings and Pigments Division;
Independent Chemists Division;
History of Chemistry Division;
Industrial Judicial Protection Division;
Semiconductor Chemistry Division;
Nuclear-, Radio- and Radiation Chemistry Division;
Food Chemistry and Forensic Chemistry Division;
Macromolecular Chemistry Division.

Details concerning the above mentioned events may be obtained from Gesellschaft Deutscher Chemiker, 6000 Frankfurt (M), Postfach 119075, Germany.

Appointments

Dr. NORMAN E. COOKE, principal chemical engineer for Canadian Industries Ltd., Montreal was elected President of The Canadian Society for Chemical Engineering for 1968-1969. Chosen as Vice-President of this 2,000 member national organization was THOMAS B. DOHERTY, Imperial Oil Ltd., Toronto.

Born in Vancouver, B.C. in 1922, Dr. COOKE graduated from the University of British Columbia, and received his doctorate in chemical engineering from Massachusetts Institute of Technology.

He worked in fisheries research in Vancouver, served in Korea with the Royal Canadian Engineers, and joined C.I.L., his present employer, in 1956.

Dr. Cooke is well known for his work in the field of pollution control and currently serves on pollution control committees of the Canadian Manufacturers Association, the National Research Council and the Canadian Standards Association. He is a member of several societies including the Engineering Institute of Canada, the American Institute of Chemical Engineers, and the Corporation of Engineers of Quebec.

In addition to Dr. COOKE and Mr. DOHERTY, the other members of the new executive are: Secretary—Dr. I. G. DALLA LANA, University of Alberta, Edmonton; and Treasurer—Dr. E. H. NENNINGER, Hatch & Associates, Montreal.

In addition, the following three new Directors were elected: Dr. G. A. RATCLIFF, McGill University, Montreal; Dr. J. P. SUTHERLAND, Chemcell Ltd., Edmonton; and Dr. N. J. THEMELIS, Noranda Research Centre, Pointe Claire, P.Q.

New Chemicals

Pierce Chemical Company, Rockford, Ill., announces Tri-Sil 'Z', a single solution silylating reagent and solvent that will rapidly and quantitatively silylate sugars and other polyhydroxy compounds. Tri-Sil 'Z' is based on a new principle and has three advanced capabilities: (1) it will silylate in the presence of moisture; (2) is fast and quantitative for difficult polysaccharides; and (3) exhibits less anomerization with monosaccharides than any method yet reported. All sugars that have been checked with this new reagent are apparently derivatized quantitatively as soon as dissolved. Experimental work thus far has been confined mainly to sugars but it is expected that many other polar compounds will respond satisfactorily to this new reagent. Tri-Sil 'Z' is packaged in convenient hypovials.

For further information apply to the publisher under reference No. Chrom. N-162.

Supelco, Inc., Bellefonte, Pa. announces the availability of several *new silicones* for use as gas chromatographic stationary phases. The most polar, OV-225, is a cyano-propyl phenyl substituted silicone which has been used successfully to 300°. This material is significantly more polar than any of the OV silicones previously offered.

The second new material OV-210 is a trifluoropropyl silicone which is selective for ketones and alcohols. It also has been used at temperatures up to 300°.

For further information apply to the publisher under reference No. Chrom. N-180.

Pharmacia Fine Chemicals AB, Uppsala, Sweden have announced the availability of QAE-Sephadex which is a fully quaternized, strongly basic ion exchanger for chromatography of proteins and other labile biological materials.

For further information apply to the publisher under reference No. Chrom. N-153.

New Apparatus

Edwards High Vacuum Ltd., Crawley, Sussex have announced the availability of a fast scanning 60° mass spectrometer. Apparently the versatile unit can be used as a conventional analyser, but can also be used in continuous analysis, *e.g.* gas chromatographically eluted fractions or adapted to a nude source instrument for "in system" analysis. For use as a gas chromatography monitor an Edwards helium separator is also offered. The mass range covered is 0-350 and the cost is around £7,500.

For further information apply to the publisher under reference No. Chrom. N-190.