Europhysics Study Conferences

The desire to organize conferences similar to the American Gordon Conferences and the European "EUROMECH" and "EUROMECH" conferences preceded the formation of the European Physical Society by at least a year. In fact, the first European Physics Conference of this type was held in April 1965 a year before the EPS Inaugural General Conference. The subject was "Time Dependence of Correlation in Liquids" and it took place in Chester, England. It followed in an exemplary fashion all the guidelines set up a few years later by the EPS Conference Committee and thus augured well for the establishment of this type of conference.

The EPS Conference Committee, with the help of a 3-man subcommittee, drafted a set of guidelines for these conferences which were published in the June 1972 Meetings Issue of Europhysics News (Vol. 3 No. 5). For a conference to receive the label "Europhysics Study Conference" it is expected to satisfy, more or less exactly, several conditions. These may be summarized as follows:

a) The subject of the conference should be well-defined and of topical interest.

b) Participation should be by invitation only, the optimum number of participants being 60-70 with a maximum of 100.

c) The preferred duration of study conferences is 3-5 days and at least one-third of the time — preferably more — should be devoted to free discussion. This means that there should be no more than 2-3 formal presentations per day given by invited speakers or discussion leaders.

d) Study conferences should be held as far as possible, in secluded places, away from the distractions of large towns but with facilities for outdoor recreation. Holiday and sporting resorts out of season, and boarding schools and colleges during vacations are obvious possibilities.

e) There should be no publication of conference proceedings unless it is the wish of all participants.

When they were started these Study Conferences were called "Europhysics" conferences to distinguish them from the other conferences (General, Divisional, Topical) organized or sponsored by the EPS. This name was chosen to indicate their similarity with the European Gordon-Type conferences in chemistry called Euchem Conferences. Considerable effort was needed to stop calling them Euphys conferences — an etymological monstrosity unless the word is meant to convey the excellence ("eu") of these conferences — or Europhys Conferences. But it soon became evident that "Europhysics Conference" seemed much more attractive to organizers than "EPS Conference" and many meetings which were far from satisfying the Study Conference criteria applied for "Europhysics" status. The solution was obvious: all conferences organized by the EPS, its Divisions or its Advisory Committees are now labelled "Europhysics" with the qualifying word "Divisional", "Topical" or "Study" added.

Applications for Study Conference status go in the first instance to the Subcommittee which advises the Conference Committee whether the application should be accepted as it stands, whether changes in the organization or character of the conference are needed to satisfy the criteria or, finally, whether the application should be turned down. But it must be emphasized that the expression "study conference" is not a quality assignment but simply a means to indicate the type of conference.

Up to the end of 1974, 21 study conferences were held, 8 in France, 3 each in Sweden and in the UK, 2 in the Federal Republic of Germany and one each in Austria, Denmark, Israel, Switzerland and Yugoslavia. All but 3 of the conferences were held in secluded places, and the number of participants exceeded the recommended maximum of 100 in only two instances. The topics selected were in accordance with the guidelines and the basic requirement for all EPS Conferences, namely, international character was also observed.

This however was not the case with the condition that there should be ample time for free discussions both inside and outside the sessions: half of the study conferences had not only up to five 30-60 min. lectures a day, but, in addition, an equal number of shorter communications and as a result only 10% to 15% of the time could be devoted to discussions.

It appears that conference organizers have not yet understood clearly the philosophy of these study conferences, and the conference which finally takes place is often different from what one would have expected from the original sponsorship application. Yet it seems to be important that the EPS should ensure that the label "Study Conference" should have the same significance and should convey the same indication as to type and character as does, for example the name Gordon Conference or Euchem conference. For this to come about, closer cooperation between the organizers and the Conference Committee — or its subcommittee — would seem to be desirable.

N. Kuri, Oxford
Guide to Entries

This Meetings Issue of Europhysics News, contains details of future meetings about which notification was received at the EPS Secretariat in Geneva by February 1976. The events are listed in date order in two categories - Conferences and Schools. Europhysics Conferences, i.e. meetings organized by EPS, its Divisions and Sections are printed in bold type; box events sponsored by EPS are printed in bold type; Europhysics Study Conferences are marked by an O preceding the date.

Conference and school organizers who wish to have their meetings included in the next Meetings Issue of Europhysics News should apply to:

European Physical Society,
P.O. Box 39, CH-1213 Petit-Lancy 2

In general, meetings are open to all applicants; where attendance is known to be restricted to invited applicants, this is indicated by 'inv'. The information is given in the following order:

Date
Title
Venue
Contact for information
Abstracts deadline / P: Papers deadline / Ab: Application deadline / Number of participants / inv.: by invitation only.
Languages other than English / Sponsorship / Conference fee.

In the first instance, all enquiries about EPS approval or sponsorship of events should be sent to the EPS Secretariat.

Conferences 1976

1-10 April
Topical Meeting on Intermediate Energy Physics
Zurich, Switzerland
Miss E. Egli, ETH, CH - 5224 Villigen

5-9 April
Jahrenstagung der Gesellschaft für angewandte Mathematik und Mechanik
Graz, Austria
Institut für Strömungslehre und Gasdynamik, Technische Universität Graz, GAMM-Tagung 1976, A - 8010 Graz

5-9 April
Tagung über Festkörperphysik (DPG and NNV)
Freudenstadt, Fed. Rep. Germany
H. Schmidt, Institut für Physik der Universität, Postfach 500, D-4400 Dortmund

M. Wilkens, Max-Planck-Institut für Metallforschung, Bunsenauer Str. 171, D-7000 Stuttgart 90
— Thermodynamik
F. Schilling, Institut für Theoretische Physik, Technische Hochschule, Templergraben 64, D-5000 Duisburg
— Tiefe Temperaturen
J. Appel, I. Institut für Theoretische Physik der Universität, Jungiusstr. 9, D-200 Hamburg 36

5-9 April
2nd Int. Conf. on Inner Shell Ionization Phenomena
Freiburg i. Br., Fed Rep. Germany

6-9 April
6th Int. Symposium on Electronic Structure of Metals and Alloys
Gaussig, German Democratic Republic

9-12 April
The Meeting Officer, The Institute of Physics, 47, Belgrade Square, London SW1X 8QX

11-14 April
Topical Meeting on Spontaneous Symmetry Breaking
Trieste, Italy
R. Jengo, International Centre for Theoretical Physics, Miramare, POB 586, I-34100 Trieste

5-9 April
Advanced Reactors Division, P.O. Box 158, Washington, D.C., USA

20-24 April
Spring Conference of the Crystallography Group
Budapest, Hungary
D. Biskamp, Max-Planck-Institut für Plasmaphysik, D-8046 Garching

27-29 April
Computer Assisted Scanning
Padua, Italy
Istituto di Fisica « G. Galilei », Via Marzolo 8, I-35100 Padova

27-29 April
General Meeting of American Physical Society
Washington, D.C., USA
American Physical Society, 335 E. 45th Street, New York, N.Y. 10017

7-9 April
The Interaction of Electrons with Solids
Southampton, UK
The Meeting Officer, The Institute of Physics, 47, Belgrade Square, London SW1X 8QX

9-13 April
8th Hungarian Diffraction Conference
Ljubljana, Yugoslavia

12-14 April
Precipitation
Manchester
M. A. Fish, Faraday Division, The Chemical Society, Burlington House, London W1V 0BN

13-15 April
Spring Conference of the Crystallography Group of the Institute of Physics
Aberdeen, UK
H.F.W. Taylor, Department of Chemistry, University of Aberdeen, Meston Walk, Aberdeen AB9 2UE

17-22 April
Arab Physical Society Conference on the Physics of Solar Energy
Benghazi, Libyan Arab Republic
Hafez Kobsalis, P.O. Box 7142, Beirut, Lebanon

20-24 April
Thesispapers on Physics : Experimental Quantum Mechanics
Erlie, Italy
J.S. Bell, TH Division, CERN, CH-1211 Geneva 23

20-22 April
Reliability Physics
Las Vegas, Nevada, USA
H.A. Lauftemberger, IIT Research Institute, RA C/RBRAC, Griffiss AFB, New York N.Y. 13441

23-26 April
Models and Numerical Methods : Studies of Surfaces and Adsorbrates on Surfaces
Paris, France
M. Simonetta, Istituto di Chimica Fisica, University of Milan, Milan, Italy

25-29 April
The Interaction of Electrons with Solids
Southampton, UK
The Meeting Officer, The Institute of Physics, 47, Belgrade Square, London SW1X 8QX

25-29 April
The Meetings Officer, The Institute of Physics, 47, Belgrave Square, London SW1X 8QX

25-29 April
2nd European Conf. on Computational Physics : Computing Techniques in Plasmaphysics and Astrophysics
D. Biskamp, Max-Planck-Institut für Plasmaphysik, D-8046 Garching

28-30 April
MECO Seminar : Phase Transitions in Solids and Liquids
Ljubljana, Yugoslavia

28-30 April
Conference on Physics of Tandem Trieste, Italy
L. Fonda, International Centre for Theoretical Physics, Miramare, POB 586, I-34100 Trieste

5-9 May
Liquid Metal Technology in Energy Production
Seven Springs Mountain Resort, Penn., USA
M.H. Cooper, Westinghouse Electric Corporation, Advanced Reactors Division, P.O. Box 198, Madison, Penn. 15660
Ab : 15-10.75 / P : 1.4.76
19-22 June
Joint Int. Magnetics and Magnetism and Magnetic Materials Conf. (INTERMAG) and Exhibit
Pittsburgh, Penn., USA
IEEE, 345 E. 47th Street, New York, N.Y. 10017

15-19 June
Int. Symp. Selected Topics in Nuclear Structure
Dubna, USSR
V.G. Solovjev, Laboratory of Theoretical Physics, Joint Institute for Nuclear Research, Head Post Office, Box 79, 142090 Moscow
A : 1.176 / Ab : 1.5.76 / P : 1.1.76 / 390 / inv. English, Russian / IUPAP

17-19 June
Multiplarticle Production in Heavy Nuclei
Trieste, Italy
International Centre for Theoretical Physics, Miramare, P.O. Box 596, I-34140 Trieste

20-24 June
Int. IEEE / AP Symp. and USNC / URSI Meeting
Palo Alto, Cal., USA
J.B. Damon, 1716 Hillman Ave., Blement, Cal. 94002
URSI

20-27 June
Weak Interactions and Field Theory
Erice, Italy
N. Cabibbo and L. Maiani, Istituto di Fisica dell’Università, Piazzale delle Scienze 5, I-10185 Rome

21-22 June
Oberflächenphysik (DPG, NEVAC)
Eindhoven, The Netherlands
G. Erli, Institut für Physikalische Chemie der Universität, Sophienstr. 11, D-8000 Munich 2, Fed. Rep. Germany

21-25 June
Lepton and Photon Interactions at High Energies
Trieste, Italy
International Centre for Theoretical Physics, Miramare, P.O. Box 596, I-34140 Trieste

21-26 June
5th Biennial Int. Codata Conf.
Box 531, S-751 21 Uppsala
CODATA Secretariat, 51, Bd de Montmorency, F-75016 Paris, France

22-25 June
Rationalization Group Methods in Physics
Tromsø, Norway
P.G. Hammer, Institute of Theoretical Physics, University of Tromsø, N-7034 Tromsø-NTH
A : 1.76 / 100

27-30 June
Molecular Low Energy Collisions (MOLEC 1)
Trento, Italy
J. P. Toennies, Max-Planck-Inst. für Strömungs­forschung, Böttingerstr. 6-10, D-34 Göttingen, Fed. Rep. Germany

27 June - 2 July
Int. Conf. on Teaching Physics for Related Sciences and Professions
Stonebrook, N.Y., USA
Peter B. Kahn, Chairman, Dept. of Physics, State University of New York, Stony Brook, N.Y. 11794
A : 15.5.76 / Inv. IUPAP / US $ 60.

28 June - 1 July
Annual General Conf., Norwegian Physical Society Tromsø, Norway
G. Leier, University of Tromsø, N-9000 Tromsø
A : 15.5.76
English, Norwegian / knkr. 100.

28 June - 1 July
Metal - Nonmetal Transitions
Autrans, France
J.M.D. Coey, CNRS, Groupe des Transitions de Phases, B.P. 166 - Centre de Tri, F-38041 Grenoble Cedex
100
English, French

29 June - 1 July
3rd Int. Meeting on Theoretical and Experimental Aspects of Heating of Toroidal Plasmas
Grenoble, France
T. Consoli, C.E.N. - G., B.P. 85 - Centre de Tri, F-38041 Grenoble Cedex
A : 15.6.76 / P : 30.5.76 / 100 / Inv. FF 150.

29 June - 1 July
Topical Conference on Weak Interactions
Brighton, UK
E.A. Sanderson, School of Mathematical and Physical Sciences, University of Sussex, Brighton BN1 9QH
A : 15.6.76 / Ab : 15.5.76 / P : 20.5.76 / 200 / Inv.

29 June - 1 July
Recent Progress of Fundamentals of Relativistic Astrophysics
Trieste, Italy
International Centre for Theoretical Physics, Miramare, P.O. Box 596, I-34140 Trieste

5-7 July
Theoretical Methods in Polymer Physics
Leeds, UK
The Meeting Officers, The Institute of Physics, 47, Belgrave Square, London SW1X 8QX
A : 9.4.76

5-20 July
2nd Symp. Frequency Standards and Metrology
Colorado, USA
L. Kenneth Armstrong, Program Information Office, I-4001, National Bureau of Standards, 325 Broadway, Boulder, CO. 80302 URSI

5-9 July
Baryon Resonances
Oxford, UK
Baryon Conference Secretariat, Rutherford Laboratory, Chilton, Didcot, Oxon OX11 OQX
A : 29.2.76 / 100
£ 48. — (all incl. with proceedings)

6-9 July
Lepton Interactions and New Particles
Trieste
L. Berricocchi, International Centre for Theoretical Physics, Miramare, P.O. Box 596, I-34140 Trieste

7-13 July
International Conference on the Interactions of Neutrons with Nuclei
Lowell, Mass., USA
E. Sheldon, Physics Dept., Lowell Technological Inst., Textile Avenue, Lowell, Mass. 01854
250 / inv.
IUPAP / US $ 825.

9-13 July
Symposium on Antineutron-Neutron Reactions
Stockholm, Sweden
Sigmund Nilsson, Institute of Physics, Vanadisvägen 9, S-113 45 Stockholm
A : 1.5.76 / P : 1.6.76 / 200 / Inv.
English

13-16 July
3rd Int. Conf. on the Properties of Liquid Metals
Bristol, UK
The Meetings Officer, The Institute of Physics, 47, Belgrave Square, London SW1X 8QX
A : 11.6.76 / Ab : 1.3.76
IUPAP

13-16 July
8th EGAS Conference on Atomic Spectroscopy
Oxford, UK
D.N. Stacey, Clarendon Laboratory, Parks Road, Oxford OX1 3PU
200

15-21 July
18th Int. Conf. on High Energy Physics
Dollis Hill, London NW2 6BN
A : 1.3.76 / 70
£ 55. — (all incl.)

15-21 July
5th Int. Conf. on Atomic Physics
Berkeley, Cal., USA
University of California, Berkeley, Cal.
IUPAP

4
6-10 September
International Conference on Magnetism, (ICM'76)
Amsterdam, The Netherlands
C.J. Schinkel, Natuurkundig Laboratorium der
Universiteit van Amsterdam,
Valckenierstraat 68, Amsterdam-C
IUPAP

6-10 September
Nuclear Physics with Heavy Ions
Caen, France
Mme M.S. Detaufl, IN2P3, 11, rue Pierre et Marie Curie,
F-75201 Paris Cedex 05
A: 15.10.75 / 300

6-10 September
Star Formation
Geneva, Switzerland
L. Martel, Astronomy Centre, Physics Bldg,
University of Sussex, Falmer,
Brighton BN1 9QH, UK
100 / inv.

6-10 September
3rd European Crystallographic Meeting
Zurich, Switzerland
Rita Grieb, ECM-3, Institut für Kristallographie
ETH, Sonneggstrasse 5, CH-8006 Zurich
IUPAC

6-10 September
Layered Semiconductors and Metals
Bari, Italy
A. Minniti, Istituto di Fisica, Via Amendola, 173,
I-70125 Bari
A: 15.6.76 / Ab: 15.7.76 / 200

6-11 September
3rd IUPAC Conf., on Physical Organic Chemistry
Montpellier, France
G. Lamaty, Lab. de Chimie Organique Physique,
Université des Sciences et Techniques du Languedoc,
F-34090 Montpellier Cedex
IUPAC

7-9 September
Gas Discharges
Swansea, UK
IEE Conference Department, Savoy Place,
London WC2R OBL
Ab: 1.1.76 / P: 1.4.76

7-9 September
Novae and Related Stars
Paris, France
M. Friedjung, Institut d’Astrophysique,
98 bis, Bd. Arago, F-75014 Paris
60 / inv.

7-9 September
European Conf. on Circuit Theory and Design
Genoa, Italy
Giuseppe Biorci, Istituto di Elettrotecnica,
Viale F. Causa 15, I-16145

7-10 September
Waves in Upper Atmosphere; Magnetopause Regions;
Interplanetary Medium
Amsterdam, The Netherlands
3rd EGS Meeting, Vrije Universiteit, de
Boelelaan 1105, Amsterdam
Ab: 5.8.76

8-9 September
L’Evolution des Galaxies et ses Implications Cosmologiques
Paris, France
S. van den Bergh, David Dunlop Observatory,
Richmond Hill, Ontario, Canada
150 / inv.

6-10 September
Potential Energy Surfaces
Brighton, UK
Mrs. Y.A. Fish, Faraday Division, The Chemical
Society, Burlington House, London W1V 0BN
A: 9.8.76 / P: 3.5.76 / 150 / inv.

12-17 September
European Regional Conf. on Electron Microscopy
Jerusalem, Israel
Organizing Committee, 1976 European Regional
Conf. on Electron Microscopy, POB 16271,
Tel-Aviv

12-18 September
1st European Conf. on Crystal Growth (ECCG-1)
Zurich, Switzerland
H. Arend, Secretary ECCG-1, Solid State Physics,
ETH – Hönggerberg, CH-8049 Zurich

13-15 September
Itinerant Electron Magnetism
Oxford, UK
E.P. Wohlfarth, Department of Mathematics,
Imperial College of Science and Technology,
Exhibition Road, London SW7 2RH
A: May 76 / 150 / Inv.
£ 15. –

13-16 September
2nd International Conf. on Magnetic Bubbles
Eindhoven, The Netherlands
P.F. Bongers, Philips Research Laboratories,
Eindhoven
IUPAP

13-16 September
Phonons, Soft Modes and Superconductivity
Nijmegen, The Netherlands
F. Mueller, Physics Laboratory,
University of Nijmegen, Nijmegen

13-16 September
2nd Int. Conf. on the Electronic Structure of the Actinides
Woodlaw, Poland
B. Stalinski, Institute for Low Temperature
Research, Polish Academy of Sciences,
POB 933, 50-959 Wroclaw
A: 15.6.76 / Ab: 14.76
US $ 50. – / IUPAP

13-16 September
2nd Int. Conf. on the Electronic Structure of the Actinides
Woodlaw, Poland
B. Stalinski, Institute for Low Temperature
Research, Polish Academy of Sciences,
POB 933, 50-959 Wroclaw
A: 15.6.76 / Ab: 14.76
US $ 50. – / IUPAP

13-17 September
2nd Int. Conf. on Ferrites - ICF 2
Bellevue, France
A. Globus and V. Cagan, CNRS, F-92190 Bellevue
Ab: 1.5.76 / P: 1.5.76 / 150 / Inv.

13-17 September
3rd Int. Conf. on Ferrites - ICF 2
Bellevue, France
A. Globus and V. Cagan, CNRS, F-92190 Bellevue
Ab: 1.5.76 / P: 1.5.76 / 150 / Inv.

13-17 September
6th European Microwave Conference
Rome, Italy
VDE-Zentralstelle ‘Tagungen’, Stresemannallee 21,
D-6 Frankfurt/Main 70, Fed. Rep. Germany

13-17 September
6th Int. Colloquium on Magnetic Thin Films
York, UK
M. Prutton, Physics Department, University of
York, Heslington, York YO1 5DD

13-17 September
6th Int. Colloquium on Magnetic Thin Films
York, UK
M. Prutton, Physics Department, University of
York, Heslington, York YO1 5DD

13-17 September
Experimental Gravitation
Pavia, Italy
B. Bertotti, Istituto Fisica Teorica, Università di
Pavia, Via Bassi, 4, I-27100 Pavia
Inv.

13-17 September
Symposium on Gallium Arsenide and Compounds
Edinburgh, UK
The Meetings Officer, The Institute of Physics,
47, Belgrave Square, London SW1X 8QX
Ab: 31.7.65

13-17 September
20th September
International Conference on Spectral Line Shapes
London, UK
The Meetings Officer, The Institute of Physics,
47, Belgrave Square, London SW1X 8QX
Ab: 1.6.76

13-17 September
40th General Meeting of German Physical Society
Deutsche Physikalische Gesellschaft e.V.,
Hauptgeschäftsstelle, Gotenstrasse 1-3,
D-5000 Bonn-Bad Godesberg 1

14-17 September
European Cosmic Ray Satellite Symposium
Leeds, UK
C.J. Hatton, Physics Dept., University of Leeds,
Leeds LS2 9JT, UK
A: 1.4.76 / Ab: 1.6.76 / 120
£ 7.50

14-17 September
2nd Int. Conf. on Ferrites - ICF 2
Bellevue, France
A. Globus and V. Cagan, CNRS, F-92190 Bellevue
Ab: 1.5.76 / P: 1.5.76 / 150 / Inv.

14-17 September
6th European Microwave Conference
Rome, Italy
VDE-Zentralstelle ‘Tagungen’, Stresemannallee 21,
D-6 Frankfurt/Main 70, Fed. Rep. Germany

15-18 September
8th Int. Colloquium on Magnetic Thin Films
York, UK
M. Prutton, Physics Department, University of
York, Heslington, York YO1 5DD

15-18 September
8th Int. Colloquium on Magnetic Thin Films
York, UK
M. Prutton, Physics Department, University of
York, Heslington, York YO1 5DD

17-18 September
Thermal Acoustic and Viscoelastic Properties of
Polymer
Glasgow, UK
The Meetings Officer, The Institute of Physics,
47, Belgrave Square, London SW1X 8QX
Ab: 31.7.65

17-20 September
Experimental Gravitation
Pavia, Italy
B. Bertotti, Istituto Fisica Teorica, Università di
Pavia, Via Bassi, 4, I-27100 Pavia
Inv.

19-22 September
Symposium on Gallium Arsenide and Compounds
Edinburgh, UK
The Meetings Officer, The Institute of Physics,
47, Belgrave Square, London SW1X 8QX
Ab: 31.7.65

20-23 September
Alkalik (DAGA ’76)
F. Meichl, Grünweig und Hartmann und
Glasfaser AG, Am Hafen 2, D-6802 Ladenburg
Ab: 15.5.76

20-23 September
International Conference on Structure of Noncrystalline Materials
Cambridge, UK
P.H. Gaskell, Pilkington Brothers Ltd., Research
and Development Labs., Latham, Ormskirk,
Lancashire L40 5UF

20-23 September
International Conference on Structure of Noncrystalline Materials
Cambridge, UK
P.H. Gaskell, Pilkington Brothers Ltd., Research
and Development Labs., Latham, Ormskirk,
Lancashire L40 5UF
New Books from North-Holland

Glass Surfaces: Properties and Characterization
edited by DELBERT E. DAY.
1976 xii + 394 pages US $59.95/Dfl. 150.00
The volume provides an up-to-date and comprehensive treatment of the theoretical and practical aspects of glass surfaces. The principal topics covered are firstly, a description of recent techniques useful for glass surface characterization such as AES, ESCA, SEM, infrared absorption, and light scattering, and the type of information acquired from these techniques. Secondly, the physical and chemical features of glass surfaces relevant to chemical corrosion and the effect of surface treatments on chemical durability. Thirdly, the adsorptive characteristics of glass surfaces for water and organic substances, and fourthly, glass surface coatings, films and treatments.

Progress in Optics Vol. XIII
edited by E. WOLF.
1976 vi + 294 pages US $37.75/Dfl. 55.00

Dynamical Properties of Solids Vol. 2: Crystalline Solids, Applications
edited by G. K. HORTON and A. A. MARADUDIN.
1975 x + 536 pages US $83.95/Dfl. 210.00

Structural Mechanics in Reactor Technology
edited by THOMAS A. JAEGER.
1975 412 pages (in 5 volumes)
US $175.95/Dfl. 450.00 Paperback
The aim of the International Conference on Structural Mechanics in Reactor Technology held in London, September 1975 was to provide a forum for scientists actively engaged in solving structural mechanics problems, as well as fundamentalists in the general field of engineering mechanics, to present and discuss applied and fundamental papers on structural mechanics problems in reactor technology.

Vapour Growth and Epitaxy
edited by G. W. CULLEN, E. KALDIS, R.L. PARKER and C.J.M. ROOYMANS.
1976 about 400 pages
US $73.95/Dfl. 185.00
This volume contains 56 of the papers presented at the 1976 conference by outstanding scientists from government and industrial laboratories. The papers are all of a high scientific level and describe in considerable detail, all aspects of growth, nucleation and kinetics, interfacial aspects, characterization and perfection of single crystals both in bulk and thin films. The book is a particularly up-to-date review of the new developments which have taken place in the field of single crystal growth.

Low Temperature Physics - LT 14
Proceedings of the 14th International Conference, Ouluemi, Finland, August 14-20, 1975
edited by M. KRUSIUS and M. VUORIO.
1975 2582 pages (in 5 volumes)
US $124.95/Dfl. 312.50

Crystal Growth and Characterization
edited by R. UEDA and J. B. MULLIN.
1976 x + 418 pages US $33.95/Dfl. 85.00
This book brings together a unique collection of up-to-date reviews in the field of crystal growth and characterization, written by internationally renowned experts. Its centre of interest lies in the technologically-important fields of semi-conductors and optical materials generally. Topics include: the practical and fundamental science associated with the growth of device-quality crystals from the melt, from solution and from vapour phase; characterization of the defects such as lattice misfit, dislocations and impurities etc. that are introduced during growth and in the post crystallization period; the techniques of characterization, including a wide range of chemical and physical methods. The book is well documented with tables and diagrams of apparatus, together with extensive photographic coverage of defects in crystals revealed by etching X-rays etc.

The Nucleon-Nucleon Interaction
Lectures given by G. E. BROWN and A. D. JACKSON at the Niels Bohr Institute and NORDITA, Copenhagen 1976 viii + 237 pages
Hardbound: US $29.95/Dfl. 75.00
Paperback: US $19.50/Dfl. 50.00
It has recently been demonstrated that elementary theoretical techniques and dispersion relations from field theory can be used to determine the interaction between nucleons in the elastic scattering region from independent experimental information, in an essentially parameterless yet quantitative manner. This monograph reviews the general understanding of the low energy nucleon-nucleon interaction and develops in a self-contained manner the techniques necessary for a more complete understanding of modern descriptions of the nucleon-nucleon interaction. The most comprehensive exposition to date, it is intended for non-specialists and is written at a level which makes it accessible to graduate students.

NORTH-HOLLAND PUBLISHING COMPANY
P.O. Box 211, Amsterdam, The Netherlands.
In the U.S.A. and Canada: 52 Vanderbilt Ave., New York, N.Y. 10017
20-24 September
International Broadcasting Convention (IBC 76)
London, UK
The Secretariat IBC 76, IEE, Savoy Place,
London WC2R OBL
Ab: 3.11.75 / P: March 76

21-23 September
Optical Group Conference 1976 (OIP)
York, UK
The Meetings Officer, The Institute of Physics,
47, Belgrave Square, London SW1X BOX
Ab: 15.3.76

21-24 September
2nd European Solid State Circuits Conference (ESSCIRC 76)
Toulouse, France
ESSCIRC 76, LAAS-CNRS, 7, avenue du Colonel-
Roche, F-31400 Toulouse
A: July 76 / Ab: 5.5.76 / P: 5.5.76 / 500

22-24 September
Microanalytical Techniques
Liverpool, UK
The Meetings Officer, The Institute of Physics,
47, Belgrave Square, London SW1X BOX

24-29 September
Instrumentation for Synchrotron Radiation
Research
Daresbury, UK
Mrs. S.A. Lowndes, Daresbury Laboratory,
Warrington WA4 4AD
A: 16.1.76

25-28 September
II. Dilution Refrigeration (Study Conference)
Lancaster, UK
Miss C.J. Martin, Physics Dept., University of
Lancaster, Lancaster LA1 4YB
A: 24.8.76 / 100 / inv.
£ 46 (all incl.)

25-29 September
7th Nat. Conf. on Spectroscopy (with international
(participation)
Sunny Beach, Bulgaria
Org. Comm., VII. N.C.S., Boul. Lenin 72,
1113 Sofia
A: 31.1.76 / Ab: 30.4.76 / 500
Bulgarian, Russian, English / Leva 50.—

27-30 September
2e Colloque Européen sur les Transmissions par
Fibres Optiques
Paris, France
M. Tréheux, C.N.E.T., route de Trébagel,
F-22391 Lannion

27 September - 1 October
19th Ampère Congress on Magnetic Resonances
H. Brunner, Secretary, 19th Ampère Congress,
Max-Planck-Institut, Abt. Molekule Physik,
Jahnstrasse 29, D-6000 Heidelberg
A: 6.7.76 / P: 15.6.76 / 609
English, French, German —
US $ 60.

29 September - 4 October
1st European Congress on Acoustics
Paris, France
Technoexpo, 8, rue de la Michodière,
F-75002 Paris

20 September - 6 October
3th Int. Conf. on Solid State Nuclear Track Detectors
Munich, Fed. Rep. Germany
Herwig G. Paretzk, Conference Secretariat
9th IGWO, Institut für Strahlenschutz der
GSF, D-8042 Neuherberg
A: August 76 / P: 1.4.76
DM 125.—
5-7 July
Rare Earths and Actinides
Durham, UK
The Meetings Officer, The Institute of Physics,
47, Belgrave Square, London SW1X 8QX

12-15 July
9th EGAS Conf. on Atomic Spectroscopy
Cracow, Poland
D. Kunisz, Institute of Atomic Spectroscopy,
University, Reymonta 4, PL 30-069 Cracow 16

25-29 July
3rd EPS Condensed Matter Division
Conference
Leeds, UK
The Meetings Officer, The Institute of Physics,
47, Belgrave Square, London SW1X 8QX

August (10 days)
15th International Conference on Cosmic Rays
Sofia, Bulgaria
Boto Botev, Institute of Nuclear Research and
Energy, Boulevard Lenin 72, Sofia 13
500 / inv.
IUPAP

29-31 August
3rd Specialized Colloque Ampère; Optical Studies in
Magnetic Resonance Spectroscopy
Dublin, Ireland
B. Henderson, Physical Laboratory, Trinity
College, Dublin 2
£ 20 —

30 August - 7 September
26th Colloquium Spectroscopicum Internationale
and 7th Int. Conf. on Atomic Spectroscopy
Prague, Czechoslovakia
Vaclav Sychra, VSCHT, Suchbatarova 1905
160 28 Prague 6
Ab: 15:10:76
English, Russian, German, French

5-9 September
5th Int. Conf. on Vacuum UV Radiation Physics
Montpellier, France
Mme N. Pouey, CNRS, Laboratoire de Bellevue,
1, Place Aristide-Briand, F-62190 Meudon

12-16 September
7th International Vacuum Congress
Vienna, Austria
R. Dobrozemsky, Oesterr. Studiengesellschaft
für Atomenergie, Lenaugasse 10, A-1802 Vienna
IUVSTA

12-17 September
15th Int. Conf. on Phenomena in Ionized Gases
Berlin, Germany
H. Berendsen, Laboratory of Physical Chemistry,
University of Groningen, Groningen, The
Netherlands

13 May - 6 June
2nd Int. Summerschool on Electron Density
Ferry Beach, Maine, USA
R.J. Weiss, AMMRC, Watertown, Mass. 02172
$ 50 (all incl.)

9-10 June
1976 CERN School of Physics
Wépion, Belgium
Miss D.A. Caton, CERN, CH-1211 Geneva 23
A: 15:10:76
SFr. 800 —

13-26 June
Critical Phenomena
Sitges, Spain
L. Garrido, Instituto de Fisica Teorica,
Diagonal 647, Barcelona - 0
A: 15:10:76
Pass 14.000 (all incl.)

24 May - 13 July
Modica for Protein Dynamics
Erice, Italy
H. Benzer, Laboratory of Physical Chemistry,
University of Groningen, Groningen, The
Netherlands

2-17 June
Photonuclear Reactions
Erice, Italy
S. Costa, Istituto di Fisica, Corso M. D'Azeglio,
40, I-10125 Torino
A: 15:10:76
US $ 390

26-27 June
Health Physics Summer School
London, UK
H.D. Evans, Dept. of Chemical Engineering,
Imperial College, London SW7 2AZ

28 June - 7 July
First Transatlantic Phenomena in Astrophysics
Erice, Italy
G. Sironi, Laboratorio di Fisica Cosmica, CNR,
Istituto di Fisica, V. Coloria 16, I-20123 Milan