

4. The hazards of fission should in the meantime be minimized by every means available, specifically:

- a) the greatest technical and regulatory vigilance to achieve the lowest feasible routine emissions at all stages of the fuel cycle, everywhere in the world, including the establishment of a worldwide network of radioactivity monitoring stations ;
- b) accelerated efforts to find technical solutions for the management of long-lived radioactive wastes ;
- c) thorough investigation of the potential of placing underground or clustering nuclear facilities as a means of reducing the probability and/or consequences of disruptions and accidents ;
- d) tightening of surveillance of nuclear facilities ;
- e) exclusion of reactors and reprocessing plants from zones of high seismic activity ;
- f) avoidance of siting reactors and reprocessing plants in densely populated regions ;
- g) the safeguards authorities of the IAEA (International Atomic Energy Agency) should be strengthened and supported, within the context of the present NPT (Non-Proliferation Treaty) ; further studies should include research and development in order to raise the effectiveness of national and international safeguards to the highest possible level, and examination of whether the codification of uniform standards for national control of reactor-related fissile material in the weapons states would be useful ;
- h) research on technical means to render more difficult the use of reactor-related fissile materials for the construction of bombs ;
- i) all nations should sign and ratify the Non-Proliferation Treaty.

5. Taking into account the fact that some problems associated with the breeder reactor are far from clear, large scale deployment of breeder reactors should depend on the results of a thorough re-examination of these problems.

6. Pugwash should examine the need for an International Energy Institute, or, alternatively, the need for changes in the scope and structure of existing international organizations, by reviewing the major efforts now under way in the energy field.

Society News

Energy and Physics

*Third General Conference of the European Physical Society
Bucharest, Romania
9-11 September 1975*

The Third General Conference of the European Physical Society will be mainly devoted to the applied and fundamental aspects of energy. This theme will be developed along six main topics :

- Energy production (conversion) on earth (fission, fusion, solar, chemical, geothermal and atmospheric)
- Energy production on a cosmological scale (black holes, elementary particles,...)
- Energy transfer in biological matter
- Energy strategy and forecasting (including ecology and climatic effects)
- Energy transport and storage
- Energy and information (including statistical mechanics and thermodynamics, and problems of measurements)

These topics will be treated in plenary and parallel sessions. The parallel sessions (four or five) should take various forms :

- Seminars on some of the plenary lectures
- Seminars on problems which may or may not be related to the main six topics
- Symposia with contributed papers on specialized subjects.

One, at least, of the parallel sessions, will be systematically devoted to the development of fundamental physics. It is also planned to include a discussion on teaching of physics in Europe.

Individual Ordinary Members

The following have been accepted as Individual Ordinary Members of EPS :

B. Bosco, Florence
J.M.G. Caraça, Sacavém
P. Comte, Lausanne
H.W. de Wijn, Utrecht
M.F. Dos Reis, Brussels
M. Ivascu, Bucharest
Z. Kecki, Warsaw
N. Kroo, Budapest
J. Linderberg, Aarhus

J. Muller, Geneva
L. Papineau, Gif-sur-Yvette
J. Royen, Paris
A. Sestero, Frascati
V.C. Sharma, Benin City
R. Smith, Southampton
A. Smolinski, Warsaw
N. Szepefalusy, Budapest
P. Szepefalusy, Budapest

W. Schilling, Jülich
A. Ten Bosch, Berlin
N. Theodorakopoulos, Konstanz
C. Todd, London
A. Trautman, Warsaw
C.B. Williams, St. Albans
F. Wollner, Lausanne

Meetings

The meetings in this list are all organized by Divisions and Sections of EPS (boxed) or sponsored by EPS. Europhysics Study Conferences are marked by an Θ before the date.

The order of information is : date, title, venue, and contact for information.

Conferences 1974

2 - 5 April

2nd European Electro-Optics Conference
Montreux, Switzerland
Mack-Brooks Exhibitions Ltd.,
62-64 Victoria Street, St. Albans,
Herts. AL1 3XT, UK

16 - 19 April

International Conference on Electron Spectroscopy - Progress in Research and Applications
Namur, Belgium
R. Caudano, Laboratoire de Spectroscopie
Electronique, Facultés Universitaires,
Rue de Bruxelles 61, B-5000 Namur

18 - 24 April

Excited States of Biological Molecules
Lisbon, Portugal
M.D. Lumb, UMIST, P.O. Box 88,
Manchester M60 1QD, UK

22-24 April

3rd European Symposium on Polymer Spectroscopy
London, UK
The Meetings Officer, The Institute of Physics, 47, Belgrave Square,
London SW1X 8QX

1 - 3 May

State of Order in Amorphous Polymers
Sorrento, Italy
P. Corradini, Istituto Chimico, Università di Napoli, Via Mezzacannone 4,
I-80134 Naples

10 - 15 June

Hyperfine Interactions Studied in Nuclear Reactions and Decay
Uppsala, Sweden
R. Wäppling, Institute of Physics, University of Uppsala, Box 530, S-751 21 Uppsala 1

26 - 28 June

The Solid-Vacuum Interface
Utrecht, The Netherlands
G.A. Bootsma, Secretary third NEVAC Symposium on Surface Physics, Van't Hoff Laboratorium, Rijks Universiteit, Utrecht

1 - 4 July

Liquid and Solid Helium
Haifa, Israel
J. Landau, Department of Physics,
Technion, Haifa

1 - 5 July

2nd European Conference on Cosmic
Plasma Physics
Abingdon, UK
The Conference Office, 2nd European
Conference on Cosmic Plasma Physics,
UKAEA Research Group Culham
Laboratory, Abingdon, Berks OX14 3DB

9 - 12 July

Symposium on Solid State Astrophysics
Cardiff, UK
N.C. Wickramasinghe, Department of Applied
Mathematics, University College, P.O. Box 78,
Cardiff CF1 1XL

15 - 19 July

Sixth International Symposium on Discharges
and Electrical Insulation in Vacuum
Swansea, UK
W.T. Williams, Department of Physics,
University College of Swansea, Singleton Park,
Swansea, Wales

16 - 19 July

6th EGAS Conference on Atomic
Spectroscopy
Berlin
H. Bucka, Technische Universität,
Poststelle Box 37, D-1 Berlin 12

1 - 2 August

International Symposium on Microwave Acoustics
Lancaster, UK
The Meetings Officer, The Institute of Physics,
47, Belgrave Square, London SW1X 8QX

2 - 6 September

International Conference on the Applications of
the Mössbauer Effect
Bendor, France
Chr. Janot, Université de Nancy-I
Laboratoire de Physique du Solide, C.O. 140,
F-54037 Nancy - Cedex

2 - 6 September

Second International Symposium on Neutron
Capture Gamma Ray Spectroscopy
and Related Topics
Petten, The Netherlands
K. Abrahams, Reactor Centrum Nederland,
Petten (N.H.)

⊕ 3-5 September

2nd European Study Conference on Atomic and
Molecular Physics of Ionized Gases
(ESCAMPIG)
Innsbruck, Austria
T.D. Märk, Institut für Atomphysik,
Müllerstrasse 23/I, A-6020 Innsbruck

⊕ 9 - 12 September

Dissociation of Dislocations and Associated Two
Dimensional Defects, with Emphasis on their
Effects on Mechanical Properties
Beaune, France
G. Vanderschaeve, Joint Symposium «Dissociation
of Dislocations», Département de Physique,
Université des Sciences et Techniques
de Lille, B.P. 36, F-59650 Villeneuve d'Ascq

9 - 13 September

International Conference on Nuclear Structure
and Spectroscopy
Amsterdam, The Netherlands
H.P. Blok, Natuurkundig Laboratorium der Vrije
Universiteit, De Boelelaan 1081,
Amsterdam-Buitenveldert

9 - 14 September

18th Ampere Congress on Magnetic Resonance
and Related Phenomena
Nottingham, UK
P.S. Allen, Department of Physics, 18th Ampere
Congress, The University of Nottingham,
University Park,
Nottingham NG7 2RD

16 - 19 September

4th European Solid State Device Research
Conference - ESSDERC 1974
Nottingham, UK
The Meetings Officer, The Institute of
Physics, 47, Belgrave Square,
London SW1X 8QX

17 - 19 September

Physics in High Magnetic Fields
Grenoble, France
R. Pauthenet, SNCI/CNRS, B.P. 166,
Centre de Tri, F-38042 Grenoble

21 - 25 October

Second Conference of the EPS Condensed
Matter Division: Dielectrics
and Phonons
Budapest, Hungary
EPS Condensed Matter Division
Conference Office, Research Institute
for Technical Physics, P.O. Box 76,
H-1325 Budapest

Conferences 1975

13 - 16 January

III Regions and Related Topics
Bonn, Fed. Rep. Germany
P.G. Mezger, Max-Planck-Institut f.R.,
Argelanderstrasse 3, D-53 Bonn

9 - 11 April

European Conference on Temperature
Measurement 1975
Teddington, UK
The Meetings Officer, The Institute of Physics,
47, Belgrave Square, London SW1X 8QX

8 - 12 July

2nd International Conference on Phonon
Scattering in Solids
Nottingham, UK
L.J. Challis, Department of Physics,
The University of Nottingham
University Park, Nottingham NG7 2RD

1 - 5 September

7th European Conference on Controlled Fusion
and Plasma Physics
Lausanne, Switzerland
Dr. F. Hofmann, Centre de Recherches en
Physique des Plasmas, Ecole Polytechnique
Fédérale de Lausanne, Avenue des Bains 21,
CH-1007 Lausanne

1 - 5 September

Electronic Properties of Solids under
High Pressure
Leuven, Belgium
L. van Gerven, University of Leuven,
Department of Physics, Celestijnenlaan
200 D, B-3030 Leuven

8 - 12 September

ENERGY AND PHYSICS
Third EPS General Conference
Bucharest, Romania
Preliminary Contact: European Physical
Society, P.O. Box 39,
CH-1213 Petit-Lancy 2, Switzerland

22 - 26 September

3rd European Meeting on Ferroelectricity
Zurich, Switzerland
Secretary EMF, ETH-Hönggerberg,
Festkörperphysik, CH-8049 Zurich

'Summer' Schools 1974

21 May - 5 June

International School of Quantum
Electronics: Cooperative Phenomena
in Multi-Component Systems
Erice, Italy
F.T. Arecchi, CISE, P.O. Box 3986,
I-20100 Milan

1 July - 24 August

Atomic and Molecular Physics and the Interstellar
Matter
Les Houches, France
Ecole d'Eté de Physique Théorique,
F-74310 Les Houches

8 - 12 July

Scientific Principles of Semiconductor Technology
Bad Boll, Fed. Rep. Germany
E. Preuss, Siemens AG, Forschungslaboratorien,
P.O. Box 80 17 09, D-8000 Munich 80

26 August - 6 September

Advanced Study Institute on Nuclear Magnetic
Resonance in Solids
Leuven, Belgium
L. van Gerven, Laboratorium voor Vaste Stof-
Fysika en Magnetisme, Universiteit Leuven,
Celestijnenlaan 200 D, B-3030 Leuven

8 - 20 September

Course on «Pulsed Reactors» at the «International
School of Fusion Reactor Technology»
Erice, Italy
B. Brunelli, Laboratori Gas Ionizzati (EURATOM-
CNEN), C.P. 65, I-00044 Frascati (Rome)

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