

# europ physics

## news



BULLETIN OF THE EUROPEAN PHYSICAL SOCIETY

J.A. Volume 8 Number 3

Meetings Issue

March 1977

## School Places

Further places have been made available to the EPS at the various Erice International Schools in 1977 by the Ettore Majorana Centre. The Schools of particular relevance to physicists are listed in date order in the second section of this issue. Places are open to all mature physicists, irrespective of country of origin, although priority will be given to EPS members. Application forms are available on request from the EPS Secretariat. Successful applicants will be expected to take care of their own travel arrangements but all charges at the Schools including course fees and lodging will be paid by the Centre.

## Guide to Entries

### on Conferences and Schools

UNIVERSITY OF NIJMEGEN

#### lecturer of experimental physics

The Faculty of Science of the University of Nijmegen invites applications for a position of lecturer of experimental physics.

This is a tenured position corresponding roughly to that of associate professor.

Applicants should be qualified specialists in the field of biophysics of the nervous system well acquainted with the relevant theoretical aspects.

The lecturer is expected to lead an existing experimental research group and to provide the necessary theoretical support.

Teaching duties include participation in an undergraduate physics course for students in biology and in graduate courses in biophysics. Applications accompanied by a curriculum vitae, list of publications and the names of at least two referees should be addressed to:

Prof.dr.A.Dymanus, chairman of the selection committee, Faculty of Science, Toernooiveld, Nijmegen, the Netherlands.

Suggestions concerning suitable candidates will also be highly appreciated.

university of  
nijmegen  
the netherlands

*Europhysics News* publishes annually three Meetings issues: in March, June and November. The June issue contains also a directory section on the composition of the European Physical Society. In the March issue, all entries contain the full information (as far as it is known) but in the two subsequent issues, some entries may be abbreviated and readers will need to refer back to the data already published.

This Meetings Issue of *Europhysics News*, contains details of future events about which notification was received at the EPS Secretariat in Geneva by February 1977. They 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 and boxed; events sponsored by EPS are printed in bold type; Europhysics Study Conferences are marked by an  $\Theta$  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

Where information has been received that proceedings will be published, or not published, this is indicated by *PP* or *NP* respectively, followed by the deadline for receipt of papers when this is known. Where no information regarding the proceedings has been received, the deadline is indicated by *P*.

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	Venue
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Title

Contact for information

A: Application deadline / Ab: Abstracts deadline / *PP*, *NP* or *P*: Papers deadline / Number of participants / inv.: by invitation only / languages other than English / Sponsorship / Conference fee.

◀ After the date indicates that there has been an important amendment to a previously published entry.

# Conferences 1977

**28 March-1 April** Paris, France  
Int. Symposium: Electronics + 5  
Secrétariat du Colloque, 17, rue Hamelin,  
F-75783 Paris Cedex 16

**28 March-1 April** Cambridge, UK  
1st Int. Meeting on Advanced Techniques in Low  
Temperature Microscopy and Analysis  
Royal Microscopical Society, 37-38 St. Clements,  
Oxford OX4 1AJ

**28 March-1 April** San Francisco, USA  
2nd Int. Conf. on Metallurgical Coatings  
R.F. Bunshah, 6532 Boelter Hall, University of  
California, Los Angeles, CA 90024  
Ab: 10.11.76/P: 28.3.77

**28 March-1 April** Dresden, GDR  
3rd Int. Conf. on Lasers and their Applications  
K. Junge, Akademie der Wissenschaften der DDR,  
Zentralinstitut für Optik und Spektroskopie,  
Rudower Chaussee 6,  
DDR-1199 Berlin-Adlershof  
IUPAP

**28 March-2 April** Aachen, FRG  
Teilchenphysik (DPG)  
Prof. Dr. M. Deuschmann, III. Phys. Inst., Techn.  
Hochschule, Neubaugebiet Seffent-Melaten,  
D-5100 Aachen  
Ab: 15.12.76

**28 March-2 April** Brunswick, FRG  
Extraterrestrische Physik  
G. Musmann, Inst. f. Geophysik d. Techn.  
Universität, Mendelssohnstr. 1,  
D-3300 Braunschweig  
Ab: 15.1.77/NP

**29-30 March** Chicago, USA  
10th Annual Scanning Electron Microscopy Symp.  
Om Johari, Director, Annual SEM Symposia, ITT  
Research Institute, 10 W. 35th Street,  
Chicago, IL 60616

**29-31 March** Weybridge, UK  
Luminescence Processes in Phosphors  
for Cathode-Ray Tubes and Lamps  
Paul Greenough, The General Electric Co.  
Ltd., Hirst Research Centre, Wembley,  
Middlesex, HA9 7PP  
70/inv.

**29-31 March** Falmer, Brighton, UK  
Computer Systems and Technology  
IERE, 8-9 Bedford Square, London WC1B 3RG

**29 March-1 April** London, UK  
Pair Interactions in Molecules  
J.F. Gibson, The Chemical Society, Burlington  
House, London W1V 0BN  
A: 14.2.77/NP/E 33.—

**31 March-1 April** BNL, Upton, USA  
Prospects of Strong Interaction Physics at Isabelle  
Mrs. V.R. Sayre, Special Programs Coordinator,  
Brookhaven National Laboratory, Upton, L.I.,  
NY 11973  
A: 17.3.77

**31 March-1 April** Cardiff, UK  
Semiconductor Injection Lasers and their  
Applications  
The Meetings Officer, The Institute of Physics  
47 Belgrave Square, London SW1X 8QX  
Ab: 1.2.77

**4-5 April** Oxford, UK  
High Energy Excitations  
The Meetings Officer, The Institute of Physics,  
47 Belgrave Square, London SW1X 8QX

**4-7 April** Reading, UK  
9th National Atomic and Molecular Physics Conf.  
K. Codling, J.J. Thomson Physical Laboratory,  
Whiteknights, Reading RG6 2AF  
Ab: 1.2.77

**4-7 April** Lancaster, UK  
Int. Conf. on Displays for Man-Machine Systems  
IEE Conference Department, Savoy Place,  
London WC2R 0BL

**4-7 April** Liège, Belgium  
ICS77 - Int. Computing Symposium 1977:  
Computing's Many Facets  
D. Hirschberg, ICS77 Symposium Chairman,  
c/o IBM ESRI, Chaussée de Bruxelles 135,  
B-1310 La Hulpe  
Ab: 15.9.76/PP: 1.1.77

**5-6 April** Coventry, UK  
Magnetic Resonance in Conductors  
G.A. Styles, Physics Dept., University of Warwick,  
Coventry

**5-9 April** Trieste, Italy  
3rd Int. (Kiev) Conf. on Plasma Theory  
International Centre for Theoretical Physics,  
POB 586, I-34100 Trieste  
Ab: 1.2.77/IUPAP

**11-15 April** Miramare, Trieste, Italy  
Meeting of the International Fusion Research Council  
International Centre for Theoretical Physics,  
POB 586, I-34100 Trieste

**14-15 April** Edinburgh, UK  
3rd Int. Conf. on Ternary Compounds  
G.D. Holah, Physics Department, Heriot-Watt  
University, Riccarton, Edinburgh EH14 4AS

**14-15 April** Lausanne, Switzerland  
Frühlingstagung der Schweizerischen Physikalischen  
Gesellschaft  
Sekretariat der SPG, Schönberggasse 9  
CH-8001 Zurich  
Ab: 16.2.77

**15-16 April** Hamilton, NY, USA  
Meeting on Astrophysics  
V. Mansfield, Physics Dept., Colgate University,  
Hamilton, NY 13346

**18-20 April** St. Louis, Missouri, USA  
5th Conf. on Chemical and Molecular Lasers  
W.Q. Jeffers, Helios Inc., P.O. Box 2190, Boulder,  
CO 80302

**18-21 April** Palos Verdes, CA, USA  
Symposium: Society of Photo-Optical  
Instrumentation Engineers  
SPIE Technical Programs Committee, Box 1146,  
Palos Verdes Estates, CA 90274  
Ab: 30.11.76

**18-22 April** Kiev, USSR  
4th National Soviet Conference on Neutron Physics  
M.V. Pasechnik, Institute for Nuclear Research,  
Prospekt Nauki 119, Kiev 28, USSR 25028  
Ab: 1.12.76

**18-22 April** Noordwijkerhout, NL  
6th Int. Symposium on Molecular Beams  
A.E. de Vries, FOM-Institute for Atomic and  
Molecular Physics, Kruislaan 407, Amsterdam  
A: 18.4.77/NP/200/hFl. 180.—

**18-22 April** Gaussig nr. Dresden, GDR  
7th Annual Int. Symposium: Electronic Structure of  
Metals and Alloys  
Prof. Dr. P. Ziesche, Technische Universität, Sektion  
Physik, Mommsenstr. 13, DDR-8027 Dresden  
PP/50

**19-21 April** New York, USA  
Electro/77  
W.C. Weber, Jr., Electro, 999 N. Sepulveda Blvd.  
El Segundo, CA 90245  
P: 22.7.76

**19-21 April** Boston, Mass., USA  
Int. Symposium: Society for Information Display  
C.J. Gerritsma, Philips Research Laboratories,  
N.V. Philips' Gloeilampenfabrieken,  
Eindhoven, Netherlands

**20-22 April** Grenoble, France  
3e Congrès International de l'Electrostatique  
Société de Chimie Industrielle, 28, rue St. Dominique,  
F-75007 Paris  
Ab: 30.6.76/P: 31.1.77/FF 550.—

**20-27 April** Jerusalem, Israel  
1st Int. Conf. of Science Editors  
Dr. M. Balaban, POB 4059, Jerusalem, Israel  
PP

**24-30 April** Paris, France  
4th Int. Congress of the International Radiation  
Protection Association  
Gilbert Bresson, General Secretary, IRPA, B.P. 33,  
F-92260 Fontenay-aux-Roses

**25-27 April** Phoenix, Ariz., USA  
Int. Symposium: Circuits and Systems  
W.G. Howard, Motorola Integ. Circuits Ctr., MS MR,  
POB 20906, Phoenix, Ariz. 85036

**25-28 April** Washington, D.C., USA  
American Physical Society — General Meeting  
American Physical Society, 335 E. 45th Street,  
New York, NY 10017  
Ab: 28.1.77

**26-28 April** San Diego, CA, USA  
22nd SAMPE National Symposium and Exhibition  
Marge Smith, SAMPE, P.O. Box 613, Azusa,  
CA 91702

**27-29 April** Elsinore, Denmark  
3rd European Experimental Nuclear Magnetic  
Resonance Conf.  
3rd EENC, The Ørsted Institute, University of  
Copenhagen, Universitetsparken 5,  
DK-2100 Copenhagen

**28 April-6 May** La Baule, France  
Wave Phenomena in Non-Ionized Media  
F. Eklund, Radio Propagation Division, Research  
Institute of National Defense, Div. 3,  
S-10450 Stockholm 80, Sweden  
Ab: 15.10.76/URSI

**1-6 May** Los Angeles, USA  
30th Annual Conference of the Society of Photo-  
graphic Scientists and Engineers  
Robert H. Wood, Society of Photographic Scientists  
and Engineers, 1330 Massachusetts Ave., N.W.,  
Washington DC 20005  
Ab: 14.1.77/P: 25.2.77/US \$ 105.—

**3-6 May** Venice, Italy  
Eurocon 77-Communications  
European Conference on Electrotechnics  
VDE Zentralstelle Tagungen, Stresemannallee 21  
D-6 Frankfurt/Main 70, FRG

**5-15 May** Varna, Bulgaria  
Space-Time Absoluteness  
Stefan Marinov, Laboratory for Fundamental Physical  
Problems, ul. Elin Pelin 22, Sofia 1421

**9-12 May** Cavtat, Yugoslavia  
Transport Properties of Normal Metals  
and Alloys well below  $T_D$   
Emil Babic, Institute of Physics of the  
University, Bijenicka 46, POB 304,  
YU-41001 Zagreb  
A: 31.3.77/Ab: 1.3.77/80/inv./  
English/SFr. 120.—

**9-13 May** Strasbourg, France  
4th Int. Colloquium on Analytical Methods with  
X-Rays  
P. Pomes, C.G.R., Recherche et Industrie, B.P. No. 3,  
F-92133 Issy-les-Moulineaux

**10-12 May** Gaithersburg, Md., USA  
7th Symposium on Thermophysical Properties  
R.B. Johnson, B348 Material Building, National  
Bureau of Standards, Washington, DC 20234  
Ab: 1.11.76/P: 1.4.77

**11-12 May** London, UK  
The Evaluation and Calibration of Ultrasonic  
Transducers  
The Meetings Officer, The Institute of Physics,  
47 Belgrave Square, London SW1X 8QX  
Ab: 15.11.76

**16-18 May** Arlington, USA  
Electronic Components  
Charles M. Tapp, Sandia Laboratories, Dept. 2150,  
Albuquerque, NM 87115

**16-18 May** Strasbourg, France  
Énergétique et Thermique de l'Homme dans son  
Environnement  
Secrétariat Rencontre S.F.T. 1977, attn. J.J. Vogt,  
Centre d'Etudes Bioclimatiques du CNRS,  
21 rue Becquerel, F-67087 Strasbourg Cedex  
A: 31.3.77/French/FF 500.—

**17-20 May** Grasmere, UK  
The Study of Macromolecules by Nuclear Magnetic  
Resonance (Euchem Conf.)  
Assistant Secretary (Activities), Plastics and Rubber  
Institute, 11 Hobart Place, London SW1W 0HL

**18-20 May** Ann Arbor, Mich., USA  
7th Annual Anomalous Absorption Conf.  
Duncan Steel, Rm 2250, G.G. Brown Laboratory,  
Dept. of Nuclear Engineering, University of  
Michigan, Ann Arbor, MI 48109

**18-21 May** Minneapolis, USA  
History of Nuclear Physics  
R.H. Stuewer, School of Physics and Astronomy,  
U. of Minnesota, Minneapolis, MN 55455

**19-21 May** New Haven, USA  
The Evolution of Galaxies and Stellar Populations  
B.M. Tinsley, Yale University Observatory, Box 2023,  
Yale Station, New Haven, CT 06520  
inv.

- 21-27 May** Banff Springs, Alberta, Canada  
6th Int. Symposium on Magnetic Resonance  
R.W. Dolan, c/o National Research Council of Canada,  
Ottawa K1A 0R6  
English, French
- 23-25 May** Troy, NY, USA  
Int. Conf. on Plasma Science  
R.P. Hickok, Rensselaer Polytechnic Institute,  
Troy, NY 12181  
Ab: 2.1.77/200
- 23-25 May** Moscow, USSR  
1st Seminar on Photoelectric Spectroscopy of Semi-  
conductors  
Sh. M. Kogan, Institute of Radio-Engineering and  
Electronics, Acad. Sci. USSR, Marx Avenue 18,  
Moscow K-9, 103907, USSR  
Ab: 1.2.77
- 23-27 May** London, UK  
4th Int. Conf. on Electricity Distribution - CIREN 1977  
IEE Conf. Dept., Savoy Place, London WC2R 0BL  
PP/English, French
- 23-27 May** Versailles, France  
Int. Symposium: Innovative Numerical Analysis in  
Applied Engineering Science  
American Express IBC, 11 rue Scribe, F-75440 Paris
- 23-27 May** Strasbourg, France  
2e Conférence Internationale sur la Technologie des  
Accélérateurs Electrostatiques  
Georges Frick, Centre de Recherches Nucléaires,  
F-67037 Strasbourg Cedex  
inv.
- 23-28 May** La Colle-sur-Loup, France  
**Optics at the Solid-Liquid Interface**  
Anne Hugot-Le Goff, Physique des liquides et  
électrochimie, Université P. et M. Curie,  
4, pl. Jussieu, Tour 22, F-75230 Paris  
Cedex 05  
A: 15.2.77/P: 15.12.76/80/  
English, French/FF 400.—
- 23-28 May** Kiev, USSR  
Nutation and the Earth's Rotation  
Ya. Yatskiv, Ukrainian Academy of Sciences, Main  
Astronomical Observatory, Kiev 252127  
105/inv./English, French/IAU
- 23-28 May** Montpellier, France  
Colloque National CNRS: Problèmes Théoriques  
liés aux Nouvelles Particules  
F.M. Renard, Lab. de Phys. Mathématique, Univ. des  
Sciences et Techniques du Languedoc,  
F-34060 Montpellier Cedex
- 25-27 May** Warrington, UK  
Space Tribology Workshop  
W.H. Roberts, Nat. Centre of Tribology, UKAEA,  
Risley, Warrington WA3 6AT  
E 64.80
- 29 May-3 June** Washington, D.C., USA  
25th Ann. Conf.: Mass Spectrometry and Allied  
Topics  
J.A. Mc Closkey, Dept. of Biopharmaceutical  
Sciences, University of Utah, Salt Lake City,  
Utah 84112  
A: 12.1.77
- 30 May-3 June** Hvar, YU  
Int. Conf.: Intermediate Structure in the  
Continuum Observed in Heavy Ion  
Reactions  
Dinko Počanić, Institut Rudjer Boskovic,  
POB 1016, YU-41001 Zagreb  
A: 28.3.77/P: 9.5.77/100/inv./Sfr. 100.— (IOM,  
mbrs. of affiliated soc.) 150.— (others)
- 31 May-3 June** Lyngby, Denmark  
Jahrestagung: Gesellschaft f. angewandte  
Mathematik u. Mechanik  
Prof. Dr. B. Brosowski, Fachbereich Mathematik,  
Joh. W. Goethe Universität, Robert Mayer  
Str. 6-10, D-6000 Frankfurt/Main
- 1-3 June** Grenoble, France  
3rd Int. Colloquium on Surface Physics and  
Chemistry  
Mme J. Fauvet, S.F.V., 19 rue du Renard,  
F-75004 Paris  
A: 21.1.77/P: 21.3.77/English, French/FF 500.—
- 3-9 June** Montreux, Switzerland  
10th Int. Television Symposium  
Int. Television Symposium, P.O. Box 97,  
CH-1820 Montreux  
Ab: 30.11.76
- 6-9 June** Rochester, USA  
Int. Conf. on Multiphoton Processes  
J.H. Eberly, ICOMP, Dept. of Physics and Astronomy,  
University of Rochester, Rochester, NY 14627  
PP: 1.3.77/IUPAP/US \$ 50.— (incl. abstr. and  
proceedings)
- 6-9 June** Los Angeles, USA  
International Magnetics Conference (INTERMAG)  
Geoffrey Bate, IBM Corporation, P.O. Box 1900,  
Boulder, Co. 80302  
Ab: 5.1.77/PP: 15.3.77
- 6-10 June** Ithaca, NY, USA  
Planetary Nebulae  
Y. Terzian, Center for Radiophysics and Space  
Research, Space Science Building, Cornell  
University, Ithaca, NY 14850  
150/inv./IAU
- 6-11 June** Paris, France  
2nd Int. Congress on Hydrogen in Metals  
Secrétariat Général, 2ème Congrès "L'Hydrogène  
dans les Métaux", ISMCM, 3 rue Fernand  
Hainaut, F-93407 St. Oen-Cedex  
A: 15.9.76/Ab: 1.11.76/FF 1000.—
- 6-15 June** Rome, Italy  
Int. Conf. on the Mathematical Problems  
in Theoretical Physics  
Mrs. Di Silvestro, Istituto di Fisica "G. Marconi",  
Università, P. le delle Scienze 5, I-00185 Rome  
A: 28.2.77
- 7-10 June** Florence, Italy  
**Physics of Medium-Light Nuclei**  
R.A. Ricci, Istituto Nazionale di Fisica  
Nucleare, Laboratori Nazionali di  
Legnaro, Via Romea 4,  
I-35020 Legnaro (Padova)  
A: March 77/PP: April 77/  
150/inv./US \$ 20.—
- 7-18 June** Tel-Aviv, Israel  
20th COSPAR Plenary Meeting and Symposia: New  
Instrumentation for Space Astronomy —  
Study of Travelling Interplanetary Phenomena  
— Viking Experiments — Contribution of  
Space Observations to Global Food Information  
Systems  
Z. Niemirowicz, COSPAR Secretariat,  
51 bd. de Montmorency, F-75016 Paris, France  
A: Spring 1977 / Ab: 15.2.77 / PP: 7.6.77 / 600/  
English, French / COSPAR, IAMAP, IAU, IUB,  
IUPAP, SCOSTEP/US \$ 55.—
- 9-10 June** Brussels, Belgium  
Assemblée Scientifique Générale de la Société Belge  
de Physique  
P. Fettweis, Boeretang 200, B-2400 Mol  
P: 15.4.77
- 12-17 June** New York, USA  
Meeting of the American Nuclear Society  
David Pettengill, American Nuclear Society, 244 East  
Ogden Avenue, Hinsdale, Ill. 60521
- 12-17 June** Kaysersberg, Strasbourg, France  
8th Int. Symp. on Multiparticle Dynamics  
Mme F. Wechsellaertner, Centre de Recherches  
Nucléaires, F-67037 Strasbourg Cedex  
inv.
- 13-15 June** Chicago, USA  
Int. Conf. on Communications  
E.J. Glenner, GTE Automatic Elec. Labs., POB 17,  
Northlake, IL 60164
- 13-17 June** Aussois, France  
Colloque International sur les Etats très excités  
des Atomes et des Molécules  
M.S. Feneuille, Labo. Aimé Cotton, Bât. 505,  
Université Paris XI, F-91405 Orsay
- 13-17 June** Madison, USA  
International Conference on Hyperfine Interactions  
R.S. Raghavan, Bell Laboratories, 600 Mountain  
Avenue, Murray Hill, NJ 07974  
IUPAP
- 13-17 June** Argonne, USA  
Int. Discussion Meeting on Radiation Effects in  
Superconductivity  
Bruce S. Brown, Argonne National Laboratory,  
9700 South Cass Avenue, Argonne, IL 60439
- 13-17 June** Paris, France  
Energy 77 — 1st Int. Meeting on New Sources  
of Energy  
Jean-Loup Gallien, TECHNOEXPO, 8 rue de la  
Michodière, F-75002 Paris
- 13 June-26 Aug.** NH/Santa Barbara, CA, USA  
Gordon Research Conferences — Frontiers of  
Science  
A.M. Cruickshank, Director, Gordon Research Confer-  
ences, Pastore Chem. Lab., U. of Rhode Island,  
Kingston, RI 02881  
NP/100/US \$ 160.— (New Hampshire) 185.— (Cal.)
- 15-18 June** Rome, Italy  
Nonlinear Evolution Equations Solvable by the  
Inverse Spectral Transform  
F. Calogero, Istituto di Fisica dell'Università,  
Piazzale delle Scienze 5, I-00185 Rome
- 17-22 June** Dublin, Ireland  
International Symposium on Macromolecules  
Symposium Officer, Macro Dublin 77, Institute for  
Industrial Research and Standards, Ballymun  
Road, Dublin 9  
IUPAC
- 19 June-1 July** London, UK  
Ultrasonics International  
Z. Novak, Conference Organizer, IPC House, 32 High  
Street, Guildford, Surrey GU1 3EW  
Ab: 31.12.76/P: 1.6.77
- 20-22 June** Stanford, CA, USA  
37th Physical Electronics Conference  
American Physical Society, 335 E. 45th Street,  
New York, NY 10017
- 20-23 June** Saskatoon, Canada  
1977 Congress of the Canadian Association of  
Physicists  
Canadian Association of Physicists, Suite 903,  
151 Slater Street, Ottawa K1P 5H3
- 20-24 June** Columbia, SC, USA  
Int. Conf. on Fourier Transform Infrared Spectroscopy  
R.O. Kagel, FT-IR Conference, POB 2004, Midland,  
MI 48640  
A: 15.1.77/Ab: 1.2.77/US \$ 65.—
- 20-24 June** Munich, FRG  
Laser 77 — Opto-Elektronik  
Münchener Messe- und Ausstellungsgesellschaft  
mbH, Laser 77 — Opto-Elektronik,  
Postfach 121009, D-8000 Munich 12  
Ab: 1.12.76
- 20-25 June** Versailles, France  
6th Conf. "De la Physique Théorique à la Biologie"  
M. Marois, Institut de la Vie, 89, bd St. Michel,  
F-75005 Paris  
IUPAP
- 21-23 June** Trondheim, Norway  
Annual Meeting of the Norwegian Physical Society  
R.S. Sigmond, Fysikkseksjonen, N-7034 Trondheim-  
NTH  
A: 1.5.77/Ab: 1.5.77/NP/Norwegian, English/  
nKr. 100.—
- 21-23 June** Paris, France  
Int. Conference on Microlithography  
Secrétariat Général du Colloque Microlithographie,  
11 rue Hamelin, F-75783 Paris Cedex 16  
Ab: 15.12.76/P: 15.4.77/English, French
- 21-23 June** San Diego, CA, USA  
Int. Microwave Symposium and Exhibits  
David Rubin, 3528 Quimby Street, San Diego,  
CA 92106  
Ab: 2.2.77/P: 2.2.77
- 21-23 June** Liège, Belgium  
21st Liège Int. Astrophysical Symposium —  
Laboratory and Astrophysical Spectroscopy of  
Small Molecular Species  
I. Dubois, Université de Liège, Institut d'Astro-  
physique, avenue de Cointe 5,  
B-4200 Cointe-Ougrée
- 21-24 June** Berlin-West  
Matrix Isolation Spectroscopy  
H. Gerischer, Fritz-Haber-Institut, Faradayweg 4-6,  
D-1000 Berlin 33  
Ab: 31.12.76/P: 15.4.77/120/English/DM 80.—
- 22-24 June** Lubbock, Texas, USA  
3rd Topical Conf. on R.F. Plasma Heating  
American Physical Society, 335 E. 45th Street,  
New York, NY 10017
- 26 June-2 July** Lake Balaton, Hungary  
Int. Symposium on Nuclear Reactions — Reaction  
Models '77  
J. Zimanyi, Central Research Institute for Physics of  
the Hungarian Academy of Sciences, POB 49,  
H-1525 Budapest  
Ab: 15.5.77/PP/160/inv./US \$ 50.—
- 27-29 June** Albuquerque, NM, USA  
3rd Comp. Fluid Dynamics Conf.  
10th Fluid and Plasmadynamics Conf.  
12th Thermophysics Conf.  
American Institute of Aeronautics and Astronautics,  
Inc., 1290 Ave. of the Americas, New York,  
NY 10019
- 27-30 June** Vancouver, Canada  
2nd Int. Conf. on Nucleon-Nucleon Interaction  
Organizing Committee, Nucleon-Nucleon Interaction  
Conference, University of British Columbia,  
Vancouver, B.C., V6T 1W5

- 27 June-1 July** Poitiers, France  
Congrès de la Société Française de Physique  
J. Grilhé, Secrétaire du Congrès SFP, Lab. de Métallurgie Physique, 40 av. du Recteur Pineau, F-86022 Poitiers  
Ab: 15.3.77
- 27 June-1 July** Palaiseau, France  
**3rd Int. Congress on Waves and Instabilities in Plasmas**  
T.D. Mantei, Laboratoire P.M.I. Ecole Polytechnique, F-91120 Palaiseau  
A: 15.4.77/P: 29.4.77/400/  
English/IUPAP, URSI/FF 200.—
- 27 June-1 July** Washington, D.C., USA  
3rd Int. Conf. on Ion Beam Analysis  
Eligius A. Wolicki, Radiation Technology Division, Naval Research Laboratory, Washington, DC 20375  
Ab: 4.3.77
- 27 June-1 July** Edinburgh, UK  
7th Int. Conf. on Amorphous and Liquid Semiconductors  
Conference Secretariat, Centre for Industrial Consultancy and Liaison, University of Edinburgh, 14 George Square, Edinburgh EH8 9JZ  
IUPAP
- 27 June-1 July** Lindau, FRG  
27. Tagung der Nobelpreisträger (Chemiker)  
Ständiger Arbeitsausschuss f. die Tagungen der Nobelpreisträger in Lindau, Bahnhofplatz, Postfach 1325, D-8990 Lindau
- 28-30 June** Montreux, Switzerland  
2nd Symposium and Technical Exhibition on Electromagnetic Compatibility  
T. Dvorak, ETH-Zentrum/HF, CH-8092 Zurich  
Ab: 30.10.76/URSI
- 28-30 June** Brighton, UK  
Ultrasonics International 77  
Z.Novak, Conference Organizer, IPC Science and Technology Press Ltd., 32 High Street, Guildford, GU1 3EW
- 28 June-1 July** Dundee, UK  
Dundee Biennial Conference on Numerical Analysis  
G.A. Watson, Dept. of Mathematics, University of Dundee, Dundee DD1 4HN  
Ab: 31.3.77
- 28 June-1 July** Odeillo-Fontromeu, France  
Int. Colloquium on Refractory Oxides for High Temperature Energy Sources  
Mme C. Renard, Laboratoire des Ultra-Réfractaires, CNRS, B.P. No. 5, F-66120 Odeillo-Fontromeu  
IUPAC
- End of June** Adriatic Coast, Yugoslavia  
7th Int. Conference "Science and Society" — Humane Aspects of Progress  
Jugoslovensko Udruženje "Nauka i Društvo", Organizacioni odbor VII KND, POB 163, YU-11001 Belgrade
- 4-6 July** Durham, UK  
Rare Earths and Actinides  
The Meetings Officer, The Institute of Physics, 47 Belgrave Square, London SW1X 8QX  
A: 1.6.77/Ab: 1.4.77/PP: 6.6.77/120/inv.
- 4-7 July** London, UK  
5th Colloquium on UV and X-Ray Spectroscopy of Astrophysical and Laboratory Plasmas  
W.R.S. Garton, Physics Department, Imperial College, London S.W.7
- 4-7 July** Tokyo, Japan  
6th Int. Conf. on Internal Friction and Ultrasonic Attenuation in Solids  
R.R. Hasiguti, Faculty of Engineering, Science University of Tokyo, Kagurazaka, Shinjuku-ku, Tokyo 162  
IUCr, IUPAP
- 4-7 July** London, UK  
7th Int. Cryogenic Engineering Conf. and Exhibition (ICEC 7)  
ICEC 7 Secretariat, The Institute of Physics, 47 Belgrave Square, London SW1X 8QX  
PP
- 4-9 July** Budapest, Hungary  
**Conference on Particle Physics**  
I. Montvay, KFKI, P.O. Box 49, H-1525 Budapest 114  
P: 15.5.77/500  
Sfr. 160.— (IOM), Sfr. 200.— (others)
- 4-9 July** Madrid, Spain  
9th Int. Congress on Acoustics  
A. Lara-Saenz, Centro de Investigaciones Fisicas, Serrano 144, Madrid 6  
IUPAP
- 5-7 July** Salford, UK  
Int. Dynamic Mass Spectrometry Symposium  
D. Price, Dept. of Chemistry and Applied Chemistry, Univ. of Salford, Salford M5 4WT, Greater Manchester  
Ab: 1.3.77
- 6-8 July** Denton, Texas, USA  
Int. Conf. on Hot Electrons in Semiconductors  
D.G. Seiler, Physics Department, North Texas State University, Denton, TX 76203  
Ab: 1.3.77
- 11-12 July** Limoges, France  
Int. Round Table on Plasma Polymerization and Surface Treatment  
P. Fauchais, Congrès Chimie des Plasmas, Université de Limoges, Allée André Maurois, F-87100 Limoges  
Ab: 5.1.77/P: 15.5.77/IUPAC
- 11-13 July** Oxford, UK  
Int. Conf. on Physical Chemistry and Hydrodynamics  
Brian Spalding, Mechanical Engineering Dept., Imperial College, Exhibition Road, London SW7 2AZ
- 11-14 July** Seattle, USA  
11th Int. Shock Tube Symposium  
Aerospace Research Laboratory, University of Washington, Seattle, WA 98105  
Ab: 1.10.76
- 11-17 July** Serpukhov, USSR  
10th Int. Conf. on High Energy Accelerators  
A.A. Logunov, USSR Academy of Sciences, 14 Leninskiy Prospect, Moscow V-71  
IUPAP
- 12-15 July** Cracow, Poland  
**9th EGAS Conf. on Atomic Spectroscopy**  
D. Kunisiz, Institute of Physics, Jagellonian University, Reymonta 4, PL 30-059 Cracow 16  
A: May 1977/P: April 1977/200  
US \$ 20.—
- 12-15 July** Williamsburg, VA, USA  
1977 IEEE Annual Conf. on Nuclear and Space Radiation Effects  
H.L. Hughes, Code 5216, Naval Research Laboratory, Washington, DC 20375  
Ab: 15.2.77/PP
- 13-15 July** Porvoo, Finland  
Int. Symposium on Microwave Diagnostics of Semiconductors  
R. Paanen, Semiconductor Laboratory, Technical Research Centre of Finland, Otakaari 5, SF-02150 Espoo 15  
A: 15.5.77/Ab:31.3.77/PP: 15.6.77
- 13-15 July** Nottingham, UK  
Processing, Structure, Properties and Performance of Polymers  
The Meetings Officer, The Institute of Physics, 47 Belgrave Square, London SW1X 8QX  
Ab: 18.2.77/P: 29.4.77
- 13-19 July** Limoges, France  
3rd Int. Symposium on Plasma Chemistry  
P. Fauchais, Congrès Chimie des Plasmas, Université de Limoges, Allée André Maurois, F-87100 Limoges  
Ab: 5.1.77/P: 15.5.77/IUPAC
- 17-22 July** Birmingham, UK  
4th Conf. on Spectroscopy and Analytical Chemistry  
The Secretary, Analytical Division, The Chemical Society, Burlington House, London W1V 0BN  
Ab: 31.12.76/IUPAC
- 17-22 July** Cambridge, Mass., USA  
5th Int. Conf. on Crystal Growth  
K. Nassau, Bell Laboratories, Murray Hill, N.J. 07974  
IUCr, IUPAC, IUPAP
- 18-20 July** Tokyo, Japan  
1977 Int. Conf. on Integrated Optics and Optical Fiber Communication  
IOOC '77, c/o Prof. H. Yanai, Dept. of Electronic Engineering, U. of Tokyo, Bunkyo-ku, Tokyo 113  
Ab: 15.2.77/URSI
- 18-22 July** Tübingen, FRG  
6th Int. Colloquium on Group Theoretical Methods in Physics  
P. Kramer, Institut für Theor. Physik, Auf der Morgenstelle 14, D-7400 Tübingen
- 21-27 July** Paris, France  
10th Int. Conf. of Physics, Electronic and Atomic Collisions (ICPEAC)  
Michel Barat, Laboratoire des Collisions Atomiques, Bât. 220, Université Paris-Sud  
F-91405 Orsay Cedex  
IUPAP
- 25-29 July** Boulder, CO, USA  
6th AIRAPT Int. Conf.: Physics and Technology of High Pressure  
K.D. Timmerhaus, Chairman, Planning Comm., 6th AIRAPT Conf. Engineering Center AD 1-25, Univ. of Colorado, Boulder, CO 80309  
Ab: 15.1.77/IUPAC
- 26-28 July** Seattle, USA  
Electromagnetic Compatibility  
B.L. Carlson, Jr., The Boeing Co., POB 3029, Seattle, WA 98004
- 26-29 July** Leeds, UK  
**3rd EPS Condensed Matter Division Conf.: Electron Transport - Molecular Solids**  
The Meetings Officer, The Institute of Physics, 47 Belgrave Square, London SW1X 8QX  
Ab: 1.3.77
- August** Prague, Czechoslovakia  
15th Czechoslovak Conf. on Electron Microscopy and Exposition  
Secretariat EM 77, Institute of Microbiology, Czechoslovak Academy of Sciences, Budejovicka 1083, CS-14220 Prague 4
- 2-5 Aug.** Boulder, CO, USA  
Int. Cryogenic Materials Conf. (ICMC) and Cryogenic Engineering Conf.  
Michael J. Hiza, Jr., Conf. Chairman, National Bureau of Standards, Boulder, CO 80302  
Ab: 1.3.77/P: 1.7.77
- 7-13 Aug.** Waterloo, Ontario, Canada  
General Relativity 8  
M.A. McKiernan, Applied Mathematics Dept., University of Waterloo, Waterloo, Ontario N2L 3G1  
IUPAP
- 8-12 Aug.** Toronto, Canada  
IFIP Congress  
Canadian Information Processing Society, 212 King Street West, Suite 501, Toronto, Ontario M5H 1K5  
P: 1.11.76
- 8-12 Aug.** Blindern, Norway  
Solar Prominences and Their Environments  
E. Jensen, Institute of Theoretical Astrophysics, University of Oslo, P.O. Box 1029, Blindern Oslo, 3  
80/English, French/IAU
- 9-11 Aug.** Boulder, CO, USA  
Optical Propagation through Turbulence, Rain and Fog  
Steven F. Clifford, Environmental Research Laboratories, NOAA, Boulder, CO 80302  
P: 20.4.77/US \$ 50.—
- 9-11 Aug.** Gaithersburg, Md., USA  
5th Symposium Simulation of Computer Systems  
W.R. Franta, Department of Computer Science, 114 Lind Hall, University of Minnesota, Minneapolis, Minn. 55455  
Ab: 1.2.77/P: 1.5.77
- 11-18 Aug.** Boston, MA, USA  
Joint Meeting of the Microbeam Analysis Society and Electron Microscopy Society of America  
P. Liblin, Waltham Research Center, GTE Laboratories 40 Sylvan Road, Waltham, MA 02154
- 11-18 Aug.** Loma-Koli, Finland  
Symposium on the Foundations of Modern Physics  
V. Karimäki, Dept. of Nuclear Physics, University of Helsinki, Siltavuorenpenger 20 c, SF-00170 Helsinki 17  
A: 15.5.77/Fmk 200.—
- 13-26 Aug.** Plovdiv, Bulgaria  
15th International Cosmic Ray Conference  
B. Betev, Institute for Nuclear Research and Nuclear Energy, 72 Blvd. Lenin, Sofia 1113  
Ab: 25.1.77/PP: 1.5.77/500/inv.  
English/IUPAP/US \$ 60.— (incl. Conf. papers)
- 14-19 Aug.** Geilo, Norway  
Int. Symposium: Hydrides for Energy Storage  
Gerd Jarrett, Institut for Atomenergi, POB 40, N-2007 Kjeller  
A: 1.3.77/Ab: 20.3.77/PP/70/English/nKr. 800.—



# NIELS BOHR Collected Works

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## **Work on Atomic Physics (1912-1917)**

*edited by* ULRICH HOYER

**1977 about 700 pages**

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during 1976: US \$ 96.25/Dfl. 250.00**

This volume deals with the years 1912-1917 when Bohr was at his most creative, conceiving revolutionary new ideas on absorption phenomena and on atomic and molecular physics. The published papers, extensive manuscript material and the correspondence from this period give some idea of the intensity of Bohr's concentration and the rigour of logic which led him to his conclusions. They also document the amazing amount of painstaking work he conducted single-handedly to consolidate the foundations of his theory and determine its consequences.

CONTENTS: Part I. Absorption of Charged Particles. II. Constitution of Atoms and Molecules. III. Consolidation of the Quantum Theory of the Atom. IV. Selected Correspondence (1912-1917).

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*edited by* J. RUD NIELSEN

**1976 xii + 702 pages**

**Price: US \$ 105.95/Dfl. 275.00**

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Dfl. 235.00**

With the publication in 1918 of the treatise "On the Quantum Theory of Line Spectra", Bohr initiated a new

period in the development of the quantum theory, which lasted roughly until the end of 1923. During this period, his research had a double aim: to develop a consistent and adequate quantum theory and to explain the structures and properties of the elements of the periodic system.

This volume contains the papers and manuscripts dealing mainly with the elaboration of the general quantum theory. It is the third of an 8-volume edition of the Collected Works of Niels Bohr. This edition will not only provide historians of science with a serviceable tool, it will give those who value the spirit of science easy access to a life-work entirely devoted to the rational analysis of the laws of nature and of the singular character of their meaning for us.

CONTENTS: Part I. The Correspondence Principle. Part II. Selected Correspondence (1917-1923).

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*edited by* J. RUD NIELSEN

**1976 x + 764 pages**

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Dfl. 250.00**

Niels Bohr's contributions to our knowledge of the atomic constituents of matter and to our view of science and other concerns, remain of fundamental importance to all engaged in the vast discipline called "physics". The influence of his work, of his approach to research, both practical and theoretical, is widely felt today.

This is the fourth of eight books on the works of Niels Bohr, and covers the years from 1920 to 1923. The bulk of material resulting from his work

during this period was so great that it was necessary to publish it in two separate volumes. Whilst the previous book - Volume 3 - deals primarily with the development of quantum theory this volume contains the papers and manuscripts treating the application of the theory to the problem of atomic structure, and the explanation of the periodic system of the chemical elements.

CONTENTS: Part I. Atomic Structure. Part II. Selected Correspondence (1920-1924).

### **Previously published:**

*Volume 1:*

## **Early Work (1905-1911)**

*edited by* J. RUD NIELSEN

**1972 xlviii + 608 pages**

**Price: US \$ 86.50/Dfl. 225.00**

**Subscription price: US \$ 73.25/  
Dfl. 190.00**

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0370

**15-18 Aug.** Haifa, Israel  
**Magnetic Alloys and Oxides**  
**R.A. Buckwald, Dept. of Physics,**  
**Technion, Israel Institute of**  
**Technology, Haifa 32000**  
**200**

**15-19 Aug.** Toronto, Canada  
Int. Conf. on Physics of Transition Metals  
J.M. Perz, Dept. of Physics, University of Toronto,  
Toronto, Ontario, Canada M5S 1A7  
Ab: 16.5.77/IUPAP

**16-18 Aug.** Hamilton, New Zealand  
Plasmas, Lasers, Statistical Mechanics and  
Biophysics  
D.F. Walls, Physics Dept., University of Waikato,  
Hamilton, NZ

**18-24 Aug.** Boston, MA, USA  
8th Int. Conf. on X-Ray Optics and Microanalysis  
Robert E. Ogilvie, Rm 13-5069, Massachusetts  
Institute of Technology, Cambridge, MA 02139

**22-25 Aug.** Prague, Czechoslovakia  
Int. Conf. on Technical Diagnostics  
Sekretariat, Int. Conf. Technical Diagnostics, Dum  
techniky CVTS Praha, Gorkého nám. 23,  
111282 Prague 1  
Ab: 15.8.76/English, Czech, Slovak, Russian

**22-26 Aug.** Bad Münstereifel, FRG  
Structure and Properties of Nearby Galaxies  
R. Wielebinski, Max-Planck-Institut für Radio-  
astronomie, Auf dem Hügel 69, D-5300 Bonn 1  
100/inv./English, French/IAU

**22-26 Aug.** Stockholm, Sweden  
6th Int. Colloquium on Gasdynamics of Explosions  
and Reactive Systems  
Mrs. Helene van Gelder, Office of the International  
Academy of Astronautics, 250 rue St. Jacques,  
F-75005 Paris, France  
Ab: 1.2.77

**22-26 Aug.** Boston, MA, USA  
35th Annual Meeting — Electron Microscopy  
Society of America  
Paul Lublin, GT Laboratories, 40 Sylvan Road,  
Waltham, MA 02154

**23-26 Aug.** Ronneby, Sweden  
5th Int. Conf. on Chemical Thermodynamics  
Chemical Thermodynamics, Chemical Centre, Lund  
University, P.O. Box 740, S-22007 Lund  
Ab: 14.5.77/IUPAC

**24-31 Aug.** Haifa, Israel  
13th IUPAC Conf. on Statistical Physics  
I. Riess, Physics Department, Technion, Haifa  
A: 1.6.77/Ab: 1.6.77/P: 1.6.77/300/  
IUPAP/US \$ 60.—

**25-31 Aug.** Hamburg, FRG  
Int. Symposium: Lepton and Photon Interactions  
at High Energies  
G. Flüge, DESY, Notkestrasse 85,  
D-2000 Hamburg 52  
A: 15.5.77/PP: 15.6.77/  
100/inv./IUPAP/DM 150.—

**28-31 Aug.** Stockholm, Sweden  
Teaching Measurement Science through Laboratory  
Experiments  
IMEKO Sekretariat, POB 457, H-1371 Budapest  
Ab: 1.3.77

**28 Aug.-2 Sept.** Kiryat Anavim, Israel  
Int. Mass. Spectrometry Symposium on Natural  
Products  
Ze'ev V.I. Zaretskii, Isotope Department, Weizmann  
Institute of Science, Rehovot  
300/IUPAC

**29-31 Aug.** Uppsala, Sweden  
Chemical Physics of Surfaces, Catalysis and  
Membranes (CPS-Uppsala 77)  
O. Goscinski, CPS 77, Box 518, S-75120 Uppsala  
A:1.7.77/Ab: 1.6.77/P: 1.6.77/150/sKr. 300.—

**29-31 Aug.** Dublin, Ireland  
3rd Specialized Colloque Ampère: Optical Studies  
in Magnetic Resonance Spectroscopy  
B. Henderson, Physical Laboratory, Trinity College,  
Dublin 2  
IUPAP/PP/£ 25.— incl. abstr. & proceedings

**29 Aug.-2 Sept.** Bratislava, Czechoslovakia  
6th Int. Conf. on Magnet Technology  
M. Jergel, Conference Secretary, Electrotechnical  
Institute, Slovak Academy of Sciences,  
Dubravska cesta, 80932 Bratislava

**29 Aug.-2 Sept.** Zurich, Switzerland  
7th Int. Conf. on High Energy Physics and Nuclear  
Structure  
Mrs. E. Huber, SIN, CH-5234 Villigen  
A: 30.4.77/Ab: 30.4.77/PP/400/inv./IUPAP/  
Sfr. 500.—

**30 Aug.-3 Sept.** Oxford, UK  
4th European Crystallographic Meeting  
C.K. Prout, Chemical Crystallography Laboratory,  
9, Parks Road, Oxford OX1 3QS  
Ab: 15.10.76

**30 Aug.-7 Sept.** Prague, Czechoslovakia  
20th Colloquium Spectroscopicum Internationale  
and 7th Int. Conf. on Atomic Spectroscopy  
Vaclav Sychra, VSCHT, Suchbatarova 1905  
16628 Prague 6  
Ab: 15.10.76/English, Russian, German, French

**31 Aug.-2 Sept.** Christchurch, New Zealand  
1st New Zealand Astronomy and Astrophysics Conf.  
Astrophysics Conference Secretary, Dept. of Physics,  
Univ. of Canterbury, Private Bag,  
Christchurch, NZ

**4-8 Sept.** Salford, UK  
Low Energy Ion Beams  
The Meetings Officer, The Institute of Physics,  
47 Belgrave Square, London SW1X 8QX  
Ab: 1.1.77/PP

**4-10 Sept.** Tokyo, Japan  
26th Int. Congress of Pure and Applied Chemistry  
26th IUPAC Congress, POB 56, Kanda Post Office,  
Tokyo 101-91  
P: 15.3.77/IUPAC

**5-8 Sept.** Copenhagen, DK  
7th European Microwave Conference  
VDE Zentralstelle Tagungen, Stresemannallee 21,  
D-6 Frankfurt/Main 70, FRG

**5-9 Sept.** Nikko, Japan  
Int. Symposium: Physics at Ultralow Temperatures  
S. Nakajima, Institute for Solid State Physics,  
University of Tokyo, Minato-ku, Tokyo 106  
IUPAP

**5-9 Sept.** Montpellier, France  
5th Int. Conf. on Vacuum UV Radiation Physics  
Mme N. Pouey, CNRS, Laboratoire de Bellevue,  
1, Place Aristide-Briand, F-92190 Meudon  
A: 1.6.77 / Ab: 1.3.77 / P: 16.5.77 / 350 /  
IUPAC, IUPAP, CODATA / FF 350.—

**5-9 Sept.** University of Sussex, UK  
Euromas 77 — Precise Electrical Measurement  
IEE Conf. Dept., Savoy Place, London WC2R 0BL  
Ab: 31.1.77/P: 28.3.77

**5-10 Sept.** Paris, France  
International Conference on Lattice Dynamics  
M. Balkanski, Laboratoire de Physique des  
Solides, Tour 13, 2e étage, 4, place Jussieu,  
F-75230 Paris Cedex 05  
A: 15.6.77/Ab: 15.3.77/PP: 15.5.77/1000/  
IUPAP/US \$ 80.—

**5-10 Sept.** Bucharest, Romania  
Int. Conf. on Mössbauer Spectroscopy  
Mircea Morariu, P.O. Box 5206, Bucharest/Magurele  
A: 30.4.77/Ab: 14.5.77/PP: 15.8.77/250/  
English, Russian/US \$ 50.—

**5-11 Sept.** Tokyo, Japan  
International Conference on Nuclear Structure  
T. Marumori, Institute of Nuclear Study, University of  
Tokyo, Midori-cho 3-2-1, Tanashi-shi, Tokyo 188  
Ab: 15.6.77/IUPAP

**6-9 Sept.** Bamberg, FRG  
Interaction of Variable Stars with their Environment  
R. Kippenhahn, Institut für Astrophysik, Max-Planck-  
Institut für Physik und Astrophysik, Föhringer  
Ring 6, D-8 Munich 40  
50/inv./IAU

**6-9 Sept.** Washington, D.C., USA  
Compton Fall 77 - Micros, Minis, and Maxes —  
Technology Thrust vs. User Requirement  
Paul Skartvedt, Energy System Planning Div., Bldg.  
W1, Rm. 3426, 7600 Colshire Drive,  
McLean, Va. 22101  
Ab: 1.4.77/P: 30.6.77

**8-10 Sept.** Torun, Poland  
Chemico-Dynamical Evolution of our Galaxy  
L. Martinet, Observatoire de Genève,  
CH-1290 Sauverny (GE), Switzerland  
50/inv./IAU

**8-10 Sept.** Marseille, France  
Hertzian Optics and Dielectrics  
Mr. Petit, Laboratoire d'Optique Electromagnétique,  
F-13397 Marseille-Cedex 4  
PP/50/English, French

**11-16 Sept.** Cambridge, UK  
Physics and Chemistry of Ice  
Glaciological Society, Scott Polar Research Institute  
Lensfield Rd., Cambridge CB2 1ER

**11-21 Sept.** Leipzig, GDR  
Operator Algebras, Ideals, and their Applications  
in Theoretical Physics  
A. Uhlmann, Karl-Marx-Universität, Sektion Physik,  
Karl-Marx-Platz, DDR-701 Leipzig  
IMU

**12-13 Sept.** Orsay, France  
Synchrotron Radiation Instrumentation and  
Developments  
Y. Farge, L.U.R.E. Bât. 200, Université Paris-Sud  
F-91405 Orsay  
Ab: 20.6.77

**12-14 Sept.** Glasgow, UK  
EMAG'77 — Developments in Electron Microscopy  
and Analysis  
The Meetings Officer, The Institute of Physics,  
47 Belgrave Square, London SW1X 8QX

**12-15 Sept.** Brighton, UK  
European Solid State Device Research  
Conference (ESSDERC '77)  
The Meetings Officer, The Institute of Physics,  
47 Belgrave Square, London SW1X 8QX  
PP

**12-15 Sept.** Warsaw, Poland  
3rd Int. Conf. on the Physics of Narrow-Gap Semi-  
conductors  
Jan Chroboczek, Institute of Physics, Polish Academy  
of Sciences, Al. Lotnikow 32/46,  
PL - 02-668 Warsaw  
A: 30.6.77/Ab: 30.4.77/PP: 15.7.77/200/IUPAP/  
US \$ 50.—

**12-16 Sept.** Tallinn, USSR  
The Large-Scale Structure of the Universe  
M. J. Longair, Cavendish Laboratory, Madingley Rd.,  
Cambridge CB3 0HE  
PP/150/English, French/IAU

**12-16 Sept.** Vienna, Austria  
7th Int. Vacuum Congress and 3rd Int. Conf. on  
Solid Surfaces  
R. Dobrozemsky, 7th IVC and 3rd ICSS, Postfach  
300, A-1082 Vienna  
A: 1.3.77/Ab: 1.3.77/PP/English, French,  
German/IUVSTA, IUPAP

**12-16 Sept.** Wroclaw, Poland  
13th European Congress on Molecular  
Spectroscopy  
B. Jezowska-Trzebiatowska, University of  
Wroclaw, Institute of Chemistry, 14 Joliot-  
Curie Street, Wroclaw  
A: 15.2.77/Ab:20.3.77/IUPAC, IUPAP

**12-17 Sept.** Bled, Yugoslavia  
Int. Symposium: Nuclear Collisions and their  
Microscopic Description  
Norma Mankoc-Borstnik, Univ. of Ljubljana,  
J. Stefan Institute, Jamova 39, POB 199,  
61000 Ljubljana  
A: 1.7.77/PP: 15.7.77/100/inv./US \$ 80.—

**12-17 Sept.** Berlin, GDR  
13th Int. Conf. on Phenomena in Ionized Gases  
G. Hinzpeter, Academy of Science GDR, POB 73,  
DDR-108 Berlin  
A: 15.5.77/PP:1.4.77/750/IUPAP/M 185.—  
(incl. proceedings)

**13-15 Sept.** Oxford, UK  
Ion-Ion and Ion-Solvent Interactions  
A.K. Covington, Physical Chemistry Dept., The  
University, Newcastle upon Tyne NE1 7RU  
A: 1.8.77/Ab: 30.9.76/PP: 1.5.77/150

**13-15 Sept.** Salford, UK  
Particle Size Analysis  
D. Dollimore, Department of Physical Chemistry,  
University of Salford, Salford M5 4WT  
Ab: 31.12.76

**13-16 Sept.** Bath, UK  
4th Symposium on Liquid Scintillation Counting  
M.A. Crook, c/o Analytical Division, The Chemical  
Society, Burlington House, London W1V 0BN

**13-16 Sept.** Osaka, Japan  
4th Int. Symposium on Nuclear Quadrupole  
Resonance Spectroscopy  
4th Int. Symp. on Nuclear Quadrupole Resonance  
Spectroscopy, Faculty of Science, Osaka  
University, Toyonaka, Osaka 560

**14-15 Sept.** Dundee, UK  
Biological Applications of Magnetic Resonance  
R.A. Vaughan, Dept. of Physics, University of Dundee,  
Dundee DD1 4HN  
A: June 1977/Ab: June 1977/NP

**14-16 Sept. Bratislava, Czechoslovakia**  
**Soft Magnetic Materials 3**  
**P. Gonda, Slovak Technical University,**  
**Mytna 36, 88019 Bratislava**  
**A: March 1977/PP: March 1977/120/**  
**inv./incl. proceedings: US \$ 70.—**  
**(EPS Members) US \$ 80.— (non-**  
**members)**

**14-16 Sept.** Southampton, UK  
3rd National Quantum Electronics Conference  
D.C. Hanna, Department of Electronics, University of  
Southampton, Southampton, Hants SO9 5NH  
Ab: 23.5.77

**18-22 Sept.** Calgary, Canada  
47th Annual International Meeting of the Society  
of Exploration Geophysicists  
D.L. Yowell, Convening Manager, Society of  
Exploration Geophysicists, Box 3098, Tulsa  
OK 74101, USA

**18-23 Sept. Leningrad, USSR**  
**4th Int. Meeting on Ferroelectricity (IMF 4)**  
**G.A. Smolensky, A.F. Ioffe Physico-Technical**  
**Institute, Academy of Sciences of the**  
**USSR, Polytechnicheskaja,**  
**194021 Leningrad 26**  
**A: 30.4.77/P: Feb. 77/350/IUPAP**

**19-21 Sept.** London, UK  
50th Anniversary of Discovery of Electron Diffraction  
The Meetings Officer, The Institute of Physics,  
47 Belgrave Square, London SW1X 8QX  
Ab: 31.5.77/P: 5.9.77/IUCr

**19-23 Sept. Prague, Czechoslovakia**  
**8th European Conf. on Controlled Fusion**  
**and Plasma Physics**  
**V. Kopecky, 8th Eur. Conf. on Controlled**  
**Fusion and Plasma Physics,**  
**P.O. Box 65, 18000 Prague 8**  
**A: 15.5.77/PP: 15.5.77/400/**  
**Sfr. 50.— (incl. proceedings)**

**19-23 Sept.** Tours, France  
5th Colloquium on High Resolution Molecular  
Spectroscopy  
G. Amat, Lab. de Phys. Moléculaire et d'Optique  
Atmosphérique, CNRS, Bât. 221, Campus  
d'Orsay, F-91405 Orsay Cedex

**19-23 Sept.** Moscow, USSR  
7th Int. Conf. on Atomic Collisions in Solids  
L.C. Feldman, Bell Labs., 600 Mountain Ave., Murray  
Hill, NJ 07974

**19-24 Sept.** Wroclaw, Poland  
25th Congress of the Polish Physical Society  
Cecylia Wesolowska, Institute of Physics, Technical  
Univ. of Wroclaw, Wybrzeze Wyspianskiego 27  
str., Wroclaw  
PP/600/zl. 250.—

**20-22 Sept.** Odessa, USSR  
Industrial Weighing (IMEKO) — 6th Int. Conf.  
IMEKO Secretariat, POB 457, H-1371 Budapest,  
Hungary  
Ab: 31.1.77/PP: 15.5.77/  
English, Russian/US \$ 60.—

**20-22 Sept.** Aberdeen, UK  
Chemistry of the Upper and Lower Atmosphere  
P. Meares, Dept. of Chemistry, The University,  
Meston Walk, Old Aberdeen AB9 2UE  
A: Aug. 77/Ab: 1.4.77/NP

**20-22 Sept.** Durham, UK  
Non-Linear Problems in Stress Analysis  
The Meetings Officer, The Institute of Physics,  
47 Belgrave Square, London SW1X 8QX  
Ab: 21.2.77/PP: 14.8.77

**20-23 Sept.** Dubna, USSR  
Programming and Mathematical Methods for Solving  
Physical Problems  
N.N. Govorun, Joint Institute for Nuclear Research,  
P.O. Box 79, Head Post Office, 101000 Moscow  
120/inv.

**20-23 Sept.** Ulm, FRG  
3rd European Solid State Circuits Conference  
(ESSCIRC 77)  
VDE Zentralstelle Tagungen, Stresemannallee 21,  
D-6 Frankfurt/Main 70

**20-24 Sept.** Karlsruhe, FRG  
41. Physikertagung 1977 (DPG)  
DPG-Hauptgeschäftsstelle, Göttenstrasse 1-3,  
D-5300 Bonn-Bad Godesberg 1

**21-23 Sept.** Nottingham, UK  
National Conference on Reliability  
T.R. Moss, National Centre of Systems Reliability,  
UKAEA, Wiggshaw Lane, Culcheth, Warrington,  
WA3 4NE

**22-26 Sept.** Istanbul, Turkey  
10th World Energy Conference  
E. Rutledge, Secretary-General, World Energy  
Conference, 5 Bury Street, St. James's,  
London SW1Y 6AB, UK

**23-25 Sept.** Manchester, UK  
Institute of Physics — Education Group Annual  
Conf.: Getting the Best from Assessment  
The Meetings Officer, The Institute of Physics,  
47 Belgrave Square, London SW1X 8QX  
Ab: 30.6.77

**25 Sept.-1 Oct.** Prague, Czechoslovakia  
28th Int. Astronautical Congress: Using Space —  
Today and Tomorrow  
International Astronautical Federation,  
250 rue Saint-Jacques, F-75005 Paris  
Ab: 24.3.77/PP

**26-28 Sept.** Birmingham, UK  
Int. Conf. on Distributed Computer Control Systems  
IEE Conf. Dept., Savoy Place, London WC2R 0BL  
Ab: 3.1.77/P: 9.5.77

**26-28 Sept. Prague, Czechoslovakia**  
**Int. Workshop on Stellarators**  
**G. Grieger, Max-Planck-Institut für Plasma-**  
**physik, D-8046 Garching**  
**PP/50**

**26-28 Sept.** Toronto, Canada  
Int. Electrical, Electronics Conf. and Exhibition  
D.M. Hinton, Bell Canada, 11 Bay Bridge Rd.,  
Belleville, Ontario K8P 3P6

**26-28 Sept.** Nürnberg, FRG  
7. Jahrestagung der Gesellschaft für Informatik (GI)  
H.-J. Schneider, Univ. Erlangen-Nürnberg,  
Informatik II, Martensstrasse 3,  
D-8520 Erlangen  
Ab: 1.6.77/P: 1.4.77/English, German

**26-29 Sept. Varna, Bulgaria**  
**6th Europhysics Conference on Macro-**  
**molecular Physics - Phase**  
**Transitions in Bulk Polymers**  
**M. Mihailov, EPS Conference, Central**  
**Laboratory for Polymers, Bulgarian**  
**Academy of Sciences, 1113 Sofia**  
**A: 1.1.77/Ab: 1.4.77/NP: 1.5.77/**  
**150/inv./Sfr. 200.—**

**26-30 Sept.** Leoben, Austria  
Annual Meeting of the Austrian Physical Society  
H.P. Stüwe, Institut f. Metallphysik,  
Montanuniversität Leoben, A-8700 Leoben  
Ab: 30.4.77

**26-30 Sept.** Sunny Beach, Bulgaria  
Meeting on Solid State Physics  
A. Derzhanski, bul. Lenin 72, Sofia-1113  
A: 25.9.77/Ab: 30.4.77/NP/160/English, Russian/  
US \$ 50.—

**27-29 Sept.** London, UK  
2nd Int. Conf. on Power Electronics - Power Semi-  
conductors and their Applications  
IEE Conf. Dept., Savoy Place, London WC2R 0BL  
Ab: 1.1.76/P: 11.4.77

**27-30 Sept.** Luxembourg  
Photovoltaics Solar Energy Conf.  
A. Strub, General Chairman, CEC DG XII, 200 rue  
de la Loi, B-1049 Brussels  
Ab: 15.5.77

**28-30 Sept.** Strasbourg, France  
Microscopic Physics of Laser Interactions with  
Solids  
J.B. Grun, Laboratoire de Spectroscopie et d'Optique  
du Corps Solide, 5, rue de l'Université,  
F-67000 Strasbourg  
A: 15.3.77/Ab: 31.3.77/NP

**28-30 Sept.** Stuttgart, FRG  
Tagung der Deutschen Gesellschaft f. Kristallzüchtung  
N. Karl, Physikalisches Institut-3,  
Pfaffenwaldring 57, D-7000 Stuttgart-80  
A: 31.7.77/Ab: 30.6.77

**October** High Tatra, Czechoslovakia  
Hadron Structure '77  
Stanislav Dubnicka, Inst. of Physics, Slovak Academy  
of Sciences, Dubravská cesta,  
899 30 Bratislava 1

**3-5 Oct.** Saclay, France  
Propriétés Mécaniques de la Matière sous Hautes  
Pressions  
Mme A. Block, I.N.S.T.N., B.P. No. 6,  
F-91190 Gif-sur-Yvette  
A: 31.3.77/Ab: 30.6.77/NP/  
English, French/FF 650.—

**3-6 Oct.** Amsterdam, NL  
Euromicro - 3rd Symposium on Microprocessing  
and Microprogramming  
J.D. Nicoud, LCD-EPFL, Bellerive 16,  
CH-1007 Lausanne, Switzerland  
Ab: 14.3.77/PP: 27.6.77

**3-6 Oct.** Frascati, Italy  
Attitude and Orbit Control Systems  
C.A. Markland, European Space Research and  
Technology Centre, Noordwijk, The Netherlands  
Ab: 7.3.77/P: 11.7.77

**3-7 Oct.** Gatlinburg, Tenn., USA  
4th Int. Conf. on Small-Angle Scattering of X-Rays  
and Neutrons  
R.W. Hendricks, Metals and Ceramics Division,  
Oak Ridge National Laboratory, P.O. Box X,  
Oak Ridge, TN 37830  
IUCr

**4-6 Oct.** Atlanta, USA  
9th Nat. SAMPE Technical Convention - Materials  
and Processes - In Service Performance  
SAMPE, P.O. Box 613, Azusa, CA 91702  
Ab: 15.11.76

**4-7 Oct.** Budapest, Hungary  
4th Symposium on Reliability in Electronics -  
Relectronic '77  
The Scientific Society for Telecommunication,  
Organizing Committee of Relectronic '77,  
P.O. Box 451, H-1372 Budapest  
A: 15.7.77/Ab: 31.5.76/PP: 1.5.77/  
English, Russian/US \$ 80.—

**4-8 Oct.** Bordeaux, France  
1st Int. Meeting on New Sources of Energy  
Jean-Loup Gallien, Chargé des Relations Extérieures,  
TECHNOEXPO, 8, rue de la Michodière,  
F-75002 Paris

**6-12 Oct.** Düsseldorf, FRG  
Messtechnik, Automatikt (INTERKAMA 1977)  
VDE Zentralstelle Tagungen, Stresemannallee 21,  
D-6 Frankfurt/Main 70

**7-8 Oct.** Berne, Switzerland  
Herbsttagung der Schweizerischen Physikalischen  
Gesellschaft  
Sekretariat der SPG, Schönberggasse 9,  
CH-8001 Zurich

**10-12 Oct.** Toulouse, France  
Attitude Control of Space Vehicles  
Centre National d'Etudes Spatiales, Dept. des  
Affaires Universitaires, 18 ave. Edouard-Belin,  
F-31055 Toulouse Cedex  
A: 1.5.77/Ab: 31.3.77/English, French/FF 400.—

**10-14 Oct.** Ithaca, NY, USA  
Int. Symposium on Information Theory  
T. Berger, 208 Phillips Hall, Cornell University,  
Ithaca, NY 14853  
200

**10-14 Oct.** Toronto, Canada  
National Meeting of The Optical Society of America  
Optical Society of America, Suite 620, 2000 L Street,  
N.W., Washington, D.C. 20036  
Ab: 8.7.77

**17-21 Oct.** Vienna, Austria  
Int. Symposium: Neutron Inelastic Scattering  
Conference Service Section, IAEA, P.O. Box 590,  
A-1011 Vienna

**18-21 Oct.** Palo Alto, CA, USA  
30th Annual Gaseous Electronics Conference  
J.R. Peterson, Molecular Physics Center-106B,  
Stanford Research Institute,  
Menlo Park, CA 94025  
Ab: 15.7.77

**19-21 Oct.** San Francisco, USA  
Nuclear Science Symposium  
F.A. Kirsten, Lawrence Berkeley Laboratory, Univ.  
of California, Berkeley, CA 94270

**25-28 Oct.** London, UK  
Radar - 77  
IEE Conf. Dept., Savoy Place, London WC2R 0BL  
Ab: 10.1.77/P: 16.5.77

**25-28 Oct.** Knoxville, USA  
7th Symposium on Engineering Problems of Fusion  
Research  
M.S. Lubell, Oak Ridge National Laboratory,  
P.O. Box Y, Oak Ridge, TN 37830

- 27-29 Oct.** Rochester, NY, USA  
Meeting of The Nuclear Physics Division (APS)  
American Physical Society, 335 E. 45th Street,  
New York, NY 10017
- 27-29 Oct.** Strasbourg, France  
Méthodes Optiques dans le contrôle des Matériaux  
et la Métrologie Optique  
M. J. Bulabois, Laboratoire Physique Générale et  
Optique, Faculté des Sciences et Techniques,  
U. de Franche-Comté, F-25030 Besançon  
Cedex  
France
- 2-5 Nov.** Washington, D.C., USA  
The HR Diagram: The 100th Anniversary of Henry  
Norris Russell  
D.A.G. Davis Philip, Dudley Observatory, 100 Fuller  
Road, Albany, NY 12205  
PP/100/inv./English, French/IAU
- 7-11 Nov.** Sebnitz nr. Dresden, GDR  
Int. Seminar on Magnetism  
K. Elk, Hochschule f. Verkehrswesen "Friedrich  
List", Wissenschaftsbereich Physik, POB 103,  
DDR-8072 Dresden  
English, Russian/M 150.—
- 7-11 Nov.** Atlanta, USA  
Meeting of the Plasma Physics Division (APS)  
American Physical Society, 335 E. 45th Street,  
New York, NY 10017
- 7-11 Nov.** Detroit, USA  
4th Ann. Meeting: Federation of Analytical Chemistry  
and Spectroscopy Societies  
M. Kapron, Ethyl Corporation, 1600 West 8 Mile  
Road, Ferndale, MI 48220
- 8-11 Nov.** Minneapolis, USA  
Magnetism and Magnetic Materials  
C.D. Graham, Jr., Dept. of Metallurgy and Materials  
Science, Univ. of Pennsylvania, Philadelphia,  
PA 19174
- 21-23 Nov.** Miami Beach, USA  
General Meeting of the American Physical Society  
American Physical Society, 335 E. 45th Street,  
New York, NY 10017  
Ab: 9.9.77
- 27 Nov.-2 Dec.** San Francisco, USA  
Meeting of the American Nuclear Society  
David G. Pettengill, American Nuclear Society,  
224 East Ogden Avenue, Hinsdale, Ill. 60521
- 28 Nov.-2 Dec.** Paris, France  
30th Int. Meeting of the Société de Chimie Physique:  
Protons and Ions Involved in Fast Dynamic  
Phenomena  
C. Troyanowsky, Gen. Sec. (30th Meeting), 10 rue  
Vauquelin, F-75231 Paris Cedex 05  
Ab: 1.6.77
- 30 Nov.-2 Dec.** Brighton, UK  
New Developments in Automatic Testing  
IEE Conference Department, Savoy Place,  
London WC2R 0BL  
Ab: 10.1.77/P: 27.6.77
- 5-7 Dec.** Knoxville, Tenn., USA  
Electron and Atomic Physics Div. Meeting (APS)  
American Physical Society, 335 E. 45th Street,  
New York, NY 10017
- 5-7 Dec.** Washington, D.C., USA  
International Electron Devices Meeting  
Technical Activities Board, IEEE Inc., 345 E.  
47th Street, New York, NY 10017
- 5-7 Dec.** Gaithersburg, MD, USA  
1977 Winter Simulation Conference  
Robert G. Sargent, Indust. Engineering and  
Operations Research, Syracuse University,  
Syracuse, NY 13210  
Ab: 15.4.77/PP: 1.9.77
- 5-9 Dec.** Rocquencourt, France  
3rd Int. Symposium: Computing Methods in Applied  
Sciences and Engineering  
IRIA, External Relations, Domaine de Voluceau,  
F-78150 Rocquencourt
- 13-14 Dec.** Southampton, UK  
Electrocrystallization, Nucleation, Phase Formation  
Mrs. Y.A. Fish, Faraday Div., The Chemical Society,  
Burlington House, London W1V 0BN  
A: 15.11.77/Ab: 31.3.77/P: 1.8.77/150
- 15-17 Feb.** Philadelphia, USA  
Int. Solid State Circuits Conference  
Technical Activities Board, IEEE Inc., 345 E.  
47th Street, New York, NY 10017
- 7-10 March** London, UK  
Maritime and Aeronautical Satellite Communication  
and Navigation  
IEE Conf. Dept., Savoy Place, London WC2R 0BL  
Ab: 9.5.77/P: 5.9.77
- 8-10 March** Toulouse, France  
Highlights in Solar Physics  
Mrs. Manning, D.A.S.O.P., Meudon Observatory,  
F-92190 Meudon  
PP/300/FF 150.—
- 27-30 March** Washington, D.C., USA  
American Physical Society - General Meeting  
American Physical Society, 335 E. 45th Street,  
New York, NY 10017
- 29 March-1 April** Guildford, UK  
3rd Int. Sub-Millimetre Waves Conference  
The Meetings Officer, The Institute of Physics,  
47 Belgrave Square, London SW1X 8QX  
Ab: 1.10.77
- 3-7 April** Culham, UK  
3rd Int. Conf. on Plasma Surface Interactions in  
Controlled Fusion Devices  
J.H.C. Maple, UKAEA Culham Laboratory,  
Abingdon, OX14 3DB
- 4-6 April** Brighton, UK  
European Conf. on Optical Systems and  
Applications (ECOSA 1)  
The Meetings Officer, The Institute of Physics,  
47 Belgrave Square, London SW1X 8QX
- 4-6 April** Liverpool, UK  
The Physical Basis of Chemisorption  
and Heterogeneous Catalysis  
J.F. Gibson, The Chemical Society, Burlington House,  
London W1V 0BN  
NP
- 4-7 April** Birmingham, UK  
Communications Equipment and Systems  
IEE Conference Dept., Savoy Place,  
London WC2R 0BL  
Ab: 20.5.77/PP: 24.10.77
- 11-13 April** Lunteren, NL  
Colloid Stability  
Mrs. Y.A. Fish, Faraday Div., The Chemical Society,  
Burlington House, London W1V 0BN  
A: 15.3.78/Ab: 31.3.77/PP: 1.12.77/200
- 17-20 April** London, UK  
10th National Atomic and Molecular Physics Conf.  
The Meetings Officer, The Institute of Physics,  
47 Belgrave Square, London SW1X 8QX
- 23-26 April** Mayaguez, Puerto Rico, USA  
Computers in Activation Analysis and Gamma-Ray  
Spectroscopy  
B. Stephen Carpenter, Reactor Building 235, National  
Bureau of Standards, Washington, DC 20234  
Ab: 1.11.77/P: 1.3.78
- 24-27 April** Washington, D.C., USA  
American Physical Society - General Meeting  
American Physical Society, 335 E. 45th Street,  
New York, NY 10017
- May** France  
Colloque: Surfaces - Vide - Métallurgie  
Mme J. Fauvet, Société Française du Vide,  
19 rue du Renard, F-75004 Paris
- May** Vancouver Island, Canada  
Mass Loss and Evolution of O-type Stars  
P.S. Conti, J.I.L.A., Boulder, CO 80309, USA  
IAU (under consideration)
- May** Tokyo, Japan  
Symposium on Dynamical Astronomy  
B.G. Marsden, Smithsonian Astrophysical  
Observatory, 60 Garden Street,  
Cambridge, MA 02138, USA  
IAU (under consideration)
- 9-12 May** Florence, Italy  
International Magnetism Conference (INTERMAG)  
Joe Suozzi, Bell Telephone Labs. Inc., Whippany,  
NJ 07981, USA  
800
- 15-18 May** Monterey, USA  
International Conference on Plasma Science  
F. Schwirzke, Physics Department, Naval Post-  
graduate School, Monterey, CA 93940
- 16-19 May** Ottawa, Canada  
Precision Electromagnetic Measurements  
A.F. Dunn, National Research Council, Montreal Road,  
Ottawa, Ontario  
URSI
- 28 May-11 June** Innsbruck, Austria  
21st COSPAR Plenary Meeting and Symposia: Solar-  
Terrestrial Physics — Planetary Atmospheres  
and Surfaces  
Z. Niemirowicz, COSPAR Secretariat, 51 bd. de  
Montmorency, F-75016 Paris, France  
A: 28.5.78/Ab: early 1978/PP: 28.5.78/  
600/English, French/COSPAR, SCOSTEP
- June** University of Maryland, USA  
Large-Scale Characteristics of our Galaxy  
F.J. Kerr, Astronomy Program, University of  
Maryland, MD 20742  
IAU (under consideration)
- June** USA  
Recent Advances and Future Trends in Magnetic  
Discs  
R.B. Clover, Phys. Research Lab., Hewlett-Packard,  
3500 Deer Creek Rd., Palo Alto, CA, USA
- July** Rouen, France  
Int. Conf.: Conduction and Breakdown in Dielectric  
Liquids  
R. Coelho, Ecole Supérieure d'Electricité, La Tour du  
Moulin, F-91 Gif-sur-Yvette
- July** Munich, FRG  
10th EGAS Conf. on Atomic Spectroscopy  
H. Walther, Sektion Physik, Universität München,  
Am Coulombwall 1, D-8046 Garching  
200
- 3-7 July** York, UK  
4th International Meeting on Nuclear Magnetic  
Resonance Spectroscopy  
John F. Gibson, The Chemical Society, Burlington  
House, London W1V 0BN
- 3-7 July** Grenoble, France  
Joint Varenna - Grenoble Int. Symposium: Heating  
of Toroidal Plasmas  
P. Caldirola, Istituto di Fisica, 16 via Celoria,  
I-20133 Milan
- 31 July-9 Aug.** Toronto, Canada  
9th Int. Meeting on Electron Microscopy  
G.T. Simon, Chairman, Organizing Committee, Dept.  
of Pathology, Banting Institute, 100 College  
Street, Toronto, Ont. M5G 1L5
- August** Japan  
19th Int. Conf. on High Energy Physics  
IUPAP
- August or September** Tallinn, USSR  
20th Congrès Ampère  
E. Lippmaa, Institute of Cybernetics, Estonian  
Academy of Sciences, Tallinn 200001
- 3-12 Aug.** Warsaw, Poland  
11th Int. Congress of Crystallography  
J. Auleytner, IFPAN, Al. Lotnikow 32/46,  
PL - 02-668 Warsaw  
PP/English, German, French, Russian/IUCr/  
US \$ 90.—
- 7-11 Aug.** Toronto, Canada  
Heat Transfer 1978  
G.F. Hewitt, Thermodynamics Div., B 392, AERE,  
Harwell OX11 0RA  
Ab: 1.12.76
- 23-29 Aug.** Grenoble, France  
LT 15 - 15th Int. Conf. on Low Temperature Physics  
M.R. Tournier, CRTBT, CNRS, 166X  
F-38042 Grenoble Cedex
- 30 Aug.-1 Sept.** Southampton, UK  
Recombination in Semiconductors
- 30 Aug.-2 Sept.** Grenoble, France  
3rd Int. Conf. on Electronic Structure of Actinides  
J.M. Fournier, DRF-CENG, F-38041 Grenoble  
Cedex  
A: May 1978/PP: 15.7.78/100/  
English, French, German/FF 600.—
- September** Bristol, UK  
Macromolecular Physics  
E.D.T. Atkins, H.H. Wills Physics Laboratory, Royal  
Fort, Tyndall Avenue, Bristol BS8 1TL

# 1978

**September**

Vienna, Austria  
Modern Astrometry  
C.A. Murray, Royal Greenwich Observatory,  
Hailsham, East Sussex BN27 1RP, UK  
IAU (under consideration)

**September**

Harwell, UK  
Nuclear Data for Applied Purposes  
Basil Rose, Nuclear Physics Division, H.8, AERE,  
Harwell, OX11 0RA

**3-9 Sept.**

Kyoto, Japan  
6th International Biophysics Congress  
Fumio Oosawa, Sec. Gen., Dept. of Biophysical  
Engineering, Osaka University, Toyonaka,  
Osaka 560

**4-7 Sept. ◀**

St. Pierre de Chartreuse, F  
**Physique des Terres Rares à l'Etat Métallique**  
**R. Lemaire, Laboratoire de Magnétisme**  
**CNRS, 166X, F-38042 Grenoble Cedex**  
**A: July 1978/P: 30.6.78/100/inv./FF 250.—**

**4-8 Sept.**

Edinburgh, UK  
14th Int. Conf. on the Physics of Semiconductors

**11-15 Sept.**

Oxford, UK  
Applications of High Magnetic Fields in  
Semiconductor Physics

**11-15 Sept.**

Loughborough, UK  
4th Int. Thin Films Congress - Properties of Thin  
Films in Relation to Their Structure  
C.J. Todd, Post Office Research Centre, Martlesham  
Heath, Ipswich, IP5 7RE  
600

**13-15 Sept.**

Braunschweig, FRG  
Int. Conf.: Measurement of Force and Mass  
VDI/VDE-Gesellschaft Mess- und Regelungstechnik,  
Postfach 1139, D-4000 Düsseldorf  
Ab: 30.9.77

**18-22 Sept. ◀**

Upton, L.I.  
3rd Int. Symposium on Neutron Capture Gamma  
Ray Spectroscopy and Related Topics  
R.E. Chrien, Department of Physics, Brookhaven  
National Laboratory, Upton, L.I., NY 11973

**25-29 Sept.**

York, UK  
**Fourth EPS General Conference:**  
**Trends in Physics**  
**EPS 4, University of York, Heslington,**  
**York YO1 5DD or:**  
**EPS Secretariat, P.O. Box 39,**  
**CH-1213 Petit-Lancy 2,**  
**Switzerland**

**18-20 Oct.**

Washington, D.C., USA  
Nuclear Science Symposium  
Scintillation and Semiconductor Symposium  
Nuclear Power Systems Symposium  
Louis Costrell, US Department of Commerce,  
National Bureau of Standards,  
Washington, DC 20234

**30 Oct.-4 Nov.**

USA  
Meeting of Plasma Physics Division (APS)  
American Physical Society, 335 E. 45th Street,  
New York, NY 10017

**14-17 Nov.**

Cleveland, Ohio, USA  
Magnetism and Magnetic Materials  
J.B. Blade, R & D Center, Addressograph-Multigraph,  
19701 South Mile Road, Warrenville Heights,  
OH 44128

**27 Nov.-1 Dec.**

Hamilton, New Zealand  
Changing Trends in Variable Star Research  
F.M. Bateson, 18 Pooles Road, Greerton, Tauranga  
IAU (under consideration)

**4-6 Dec.**

Washington, D.C., USA  
Int. Electron Devices Meeting  
Technical Activities Board, IEEE, 345 E. 47th Street,  
New York, NY 10017

**5-8 Dec.**

Wellington, New Zealand  
Asian-South Pacific Regional Meeting in Astronomy  
B.M. Lewis, P.O. Box 2909, Wellington, NZ  
NP/150/English, French/IAU

**27-29 Dec.**

Los Angeles, USA  
General Meeting of American Physical Society  
American Physical Society, 335 E. 45th Street,  
New York, NY 10017

**1979****19-22 June**

Bergen, Norway  
Neutrino 79

**Schools  
1977****27 March-8 April ◀**

Erice, Italy  
Electron Microscopy: Advanced Techniques  
for Study of Biological Ultrastructures  
Ivonne Ronchetti Pasquali, Istituto di Patologia  
Generale, Via Campi 287, I-41100 Modena  
A: 12.2.77/US \$ 280.— or Lit. 240.000

**28 March-2 April**

Saas-Fee, Switzerland  
Advanced Stages in Stellar Evolution  
Secrétariat, Cours de la Société d'Astrophysique  
et d'Astronomie, Observatoire de Genève,  
CH-1290 Sauverny  
A: 10.2.77

**11-19 April**

Erice, Italy  
Highly Specialized Seminar: Statistical Mechanics  
at High Density  
G. Preparata, CERN, CH-1211 Geneva 23, Switzerland

**12-23 April**

Spätina, Norway  
Dynamical and Chemical Coupling of Neutral and  
Ionized Atmosphere  
E.V. Thrane, NDRE, P.O. Box 25, N-2007 Kjeller  
A: 25.2.77/Ab: 25.2.77/PP/65

**13-23 April**

Erice, Italy  
Contribution of Geophysical Methods to Seismic  
Zoning  
R. Cassinis, Cattedra di Fisica Terrestre, Università di  
Milano, Via G.B. Viotti 3/5, I-20133 Milan  
A: 28.2.77/US \$ 250.—

**13-24 April**

Geilo, Norway  
Electron-Phonon Interactions and Phase Transitions  
Mrs. Gerd Jarrett, Institutt for Atomenergi,  
P.O. Box 40, N-2007 Kjeller  
A: 15.2.77

**17-30 April**

Urbino, Italy  
Chemically Induced Magnetic Polarization - CIDNP,  
CIDEP: Applications to Radical Chemistry  
L.T. Muus, Chemistry Institute, 140 Langelandsgade,  
DK- 8000 Aarhus C, Denmark  
A: 20.1.77/80/US \$ 340.—

**18-28 April**

Rehovot, Israel  
Bat-Sheva Seminar on Electron Density Mapping  
in Molecules and Crystals  
F.L. Hirshfeld, Dept. of Structural Chemistry,  
Weizmann Institute of Science, Rehovot  
60

**24-30 April**

Erice, Italy  
Exotic Atoms and Related Topics  
Dr. G. Fiorentini, Istituto Nazionale di Fisica Nucleare,  
Via Vecchia Livornese, I-56010 S. Piero a  
Grado, Pisa  
A: 24.3.77/US \$ 350.—

**1-8 May**

Erice, Italy  
Quality, Quantity and Measurement in Science  
E. Agazzi, Istituto di Filosofia, Piazza S. Sabina 2,  
I-16124 Genoa

**10-22 May**

Erice, Italy  
Theories of Gravitation  
Liana Fortini, Istituto di Fisica Dell'Università, Via  
Imerio 46, I-40126 Bologna  
A: 10.2.77/Sfr. 850.—

**20 May-4 June**

Erice, Italy  
Highly Specialized Seminar: Multihadrons in Final  
States  
G. Preparata, CERN, CH-1211 Geneva 23,  
Switzerland

**22 May-4 June**

Nafplion, Greece  
The 1977 CERN - JINR School of Physics  
Miss D.A. Caton, Scientific Conference Secretariat,  
CERN, CH-1211 Geneva 23, Switzerland  
A: 15.2.77/PP/80/Sfr. 750.—

**5-19 June ◀**

Corfu, Greece  
High Pressure Chemistry  
H. Kelm, Inst. of Physical Chemistry, Robert Mayer  
Str. 11, D-6000 Frankfurt/Main, FRG  
English

**11-25 June**

Erice, Italy  
Int. School of Low Temperature Physics: Quantum  
Liquids  
T. Regge, School of Natural Sciences, Inst. for  
Advanced Study, Princeton, NJ 08540, USA

**13-19 June**

Salamanca, Spain  
8th Int. Seminar on Theoretical Physics: Topics on  
Quantum Field Theory and Gauge Theories  
J.A. de Azcárraga, Departamento de Física Teórica,  
Facultad de Ciencias, Salamanca  
A: 17.4.77

**15-30 June ◀**

Erice, Italy  
Interaction of Photons with Matter  
B. Di Bartolo, Department of Physics, Boston College,  
Chestnut Hill, MA 02167, USA

**19 June-2 July**

Cargèse, Corsica, France  
Solar Energy Conversion and Applications  
Miss M.F. Hanseler, LPTHE, Tour 16, 4 place Jussieu,  
F-75230 Paris Cedex 05  
A: 15.3.77/50/English, French

**20 June-2 July**

Urbino, Italy  
The Design and Implementation of Optimization  
Software  
F.A. Lootsma, University of Technology, Delft, NL  
A: 1.4.77/70

**20 June-8 July**

Breua-sans-Nappe, France  
Equations Intégrales en Mécanique et en Physique  
Secrétariat Général des Ecoles d'Été,  
1 ave. du Général de Gaulle, F-92141 Clamart  
A: 2.4.77/English, French/FF 6400.— (all incl.)

**26 June-5 July**

Erice, Italy  
International School of Physics for Industry: Imaging  
and Display Devices  
C. Castagnoli, Laboratorio di Cosmogeofisica, Corso  
Fiume 4, I-10125 Turin

**27 June-9 July**

Erice, Italy  
International School of Mathematical Physics:  
Invariant Wave Equations  
G. Velo, Istituto di Fisica dell'Università, Via  
Imerio, 46, I-40126 Bologna

**27 June-9 July**

Varenna, Italy  
Physics of Magnetic Garnets  
B. Antonini, Laboratorio di Elettronica dello Stato  
Solido, Via Cineto Romano 42, I-00156 Rome  
A: 30.4.77/PP/50/English, French

**1 July-30 Sept. ◀**

Trieste, Italy  
Research Workshop on Solid State Physics  
N.H. March, Dept. of Theoretical Physics, Imperial  
College, Prince Consort Rd., London SW1, UK

**4-8 July**

Uxbridge, UK  
Principles of Light Microscopy  
Administrator, RMS, 37-38 St. Clements,  
Oxford OX1 4AJ

**4-15 July**

Cambridge, UK  
The Scientific Basis of Flocculation  
K.J. Ives, University College, London WC1E 6BT  
A: 30.4.77/50/inv./£ 180

**4-15 July**

Culham, UK  
1977 Culham Plasma Physics Summer School  
Summer School Office, Culham Laboratory,  
Abingdon, Oxfordshire, OX14 3DB  
A: 2.5.77

**4-15 July**

London, UK  
Health Physics Summer School 1977  
H.D. Evans, Dept. of Chemical Engineering, Imperial  
College, London SW7 2AZ  
£ 120.—

**4-23 July**

Cargèse, Corsica, France  
Hadron Structure and Lepton-Hadron Interactions  
Miss Marie France Hanseler, Laboratoire de Physique  
Théorique, Tour 16 - 1er étage, 4 place Jussieu,  
F-75230 Paris Cedex 05  
A: 15.3.77/P: 1.10.77/50

**4 July-19 Aug.**

Les Houches, France  
**Nuclear Physics with Mesons and Heavy Ions**  
**Ecole d'Été de Physique Théorique,**  
**F-74310 Les Houches**  
**A: 15.3.77/50/FF 2000.—**

**6 July-18 Aug. ◀**

Trieste, Italy  
Summer College: Teaching of Physics at Tertiary  
Level  
International Centre for Theoretical Physics,  
POB 586, I-34100 Trieste  
A: 1.3.77/50/French

**7-23 July**

Orléans-La-Source, France  
Strongly Coupled Plasmas  
M. Feix, CRPE/CNRS, F-45045 Orléans  
A: 31.3.77/PP/50/inv./  
English/US \$ 200.— (all incl.)

**9-20 July**

Erice, Italy  
Int. School of Astrophysics: Infrared Astronomy  
G. Setti, Laboratorio di Radio-Astronomia, Istituto  
di Fisica, Via Imerio 46, I-40126 Bologna  
A: 15.5.77/PP/90/inv.

- 10-16 July** Durham, N.H., USA  
3rd International Summer School on Crystal Growth  
K. Nassau, Bell Laboratories, Murray Hill, N.J. 07974  
IUCr
- 11-15 July** Uxbridge, UK  
Photomicrography and Microscopy of Materials  
Administrator, RMS, 37-38 St. Clements,  
Oxford OX4 1AJ
- 11-16 July** Tübingen, FRG  
Int. Summer School: Groups and Many-Body Physics  
P. Kramer, Institut f. Theor. Physik, Auf der  
Morgenstelle 14, D-7400 Tübingen
- 11-22 July** Cambridge, UK  
Energy Sources and Emission Mechanisms in  
Quasars  
M.J. Rees, Inst. of Astronomy, Madingley Road,  
Cambridge, CB3 0HA
- 11-22 July** Stanford, CA, USA  
SLAC Summer Institute on Particle Physics: Strong  
Interactions  
M. Zipf, Bin 62, POB 4349, Stanford, CA 94305  
A: 30.4.77/PP/US \$ 50.—
- 11-23 July** Varenna, Italy  
Weak Interactions  
G. Costa, Istituto di Fisica, Via Marzolo 8, Padua  
A: 30.4.77/PP/75/English, French
- 11-29 July** Breaux-sans-Nappe, France  
Microprocesseurs et Applications  
Secrétariat des Ecoles d'Été,  
1 av. du Général de Gaulle, F-92141 Clamart  
A: 9.4.77/English, French/FF 6400.— (all incl.)
- 15-30 July** Versilia, Italy  
Coherence in Spectroscopy and Modern Physics  
F.T. Arecchi, c/o CISE Labs., POB 3986,  
I-20100 Milan  
A: 15.6.77/PP/80/US \$ 300.—
- 17-30 July** Antwerp, Belgium  
Path Integrals and their Applications in Quantum and  
Statistical Physics  
J. Devreese, Rijksuniversitair Centrum Antwerpen,  
Groenenborgerlaan 171, B-2020 Antwerpen  
A: 15.5.77/100
- 19-29 July** Louvain-la-Neuve, Belgium  
Process and Device Modelling for Integrated Circuit  
Design  
F. Van de Wiele, Bâtiment Maxwell, 3 pl. du Levant,  
B-1348 Louvain-la-Neuve  
A: 30.4.77/70
- 23 July-10 Aug.** Erice, Italy  
The WHYs of Subnuclear Physics  
Miss M. Zaini, Int. School of Subnuclear Physics,  
CERN, CH-1211 Geneva 23, Switzerland  
A: 31.5.77/Sfr. 1000.—
- 25-29 July** Loughborough, UK  
Polarized Light Microscopy  
Administrator, RMS, 37-38 St. Clements,  
Oxford OX4 1AJ
- 25 July-6 Aug.** Varenna, Italy  
Problems in the Foundations of Physics  
G. Toraldo di Francia, Istituto di Fisica Superiore,  
Via Panciatichi 56, I-50127 Florence  
A: 30.4.77/PP/75/English, French
- 31 July-20 Aug.** St. Andrews, UK  
Scottish Universities Summer School on Physics -  
Nuclear Structure  
G.I. Crawford, Kelvin Laboratory, University of  
Glasgow, N.E.L., East Kilbride, Glasgow  
A: 31.3.77/60/£ 130.—
- 31 July-28 Aug.** Uppsala, Sweden  
Int. Summer Institute: Quantum Chemistry and  
Solid State Physics  
Per-Olov Löwdin, Quantum Chemistry Group,  
Box 518, S-75120 Uppsala 1  
A: 1.5.77/NP/English/  
Skr. 2630.— (Part I), 2760.— (Part II)
- 1-13 Aug.** Istanbul, Turkey  
Nonlinear Equations in Physics and Mathematics  
F. Calogero, Istituto di Fisica dell'Università, Piazzale  
delle Scienze 5, I-00185 Roma  
A: 31.5.77/PP/80/English
- 2-20 Aug.** Nathiagali, Pakistan  
Physics and Contemporary Needs  
Pakistan Atomic Energy Commission, P.O. Box 1114,  
Islamabad
- 8-20 Aug.** Darlington, UK  
Communication Systems, Random Process Theory  
J.K. Skwirzynski, GEC-Marconi Research Labs.,  
Gt. Baddow, Chelmsford CM2 8HN  
A: 30.6.77/Ab: 31.12.76/P: 31.3.77/100
- 11-22 Aug.** Erice, Italy  
The Meaning of Interdisciplinarity  
Main Secretariat, CCSEM, Via Guarnotta 26,  
I-91016 Erice
- 14-26 Aug.** Kasteel Nijenrode, NL  
Nuclear Spectroscopy  
P.W.M. Glaudemans, Sorbonnelaan 4, Utrecht  
100/hFl. 700.—
- 20-28 Aug.** Castle Liblice nr. Prague, CS  
On-Line Computing in the Physical Laboratory  
J. Nadrchal, Institute of Solid State Physics,  
Czechoslovak Academy of Sciences,  
Cukrovarnicka 10, CS-16253 Praha 6  
A: 31.3.77/NP/120/Sfr. 200.—
- 21 Aug.-3 Sept.** Cargèse, Corsica, France  
Geophysics Summer School: Dynamics of Earth's  
Interior  
C. Froidevaux, Université Paris Sud, Laboratoire de  
Physique des Solides, F-91405 Orsay  
NP/60/inv.
- 21 Aug.-3 Sept.** Cambridge, UK  
Molecular Physics of Liquid Crystals  
G.R. Luckhurst, Department of Chemistry,  
The University, Southampton, SO9 5NH  
A: 31.3.77/PP/80
- 22 Aug.-2 Sept.** Minneapolis, USA  
Correlation Functions and Quasiparticle Interactions  
J.W. Halley, Physics Department, University of  
Minnesota, Minneapolis, MN 55455  
A: 1.7.77/Ab: 15.3.77/PP: 15.6.77/65/  
US \$ 350.— (all incl.)
- 24 Aug.-4 Sept.** Erice, Italy  
Int. School of Relativistic Astrophysics  
R. Ruffini, Princeton University, Dept. of Physics,  
POB 708, Princeton NJ 08540, USA
- 25 Aug.-5 Sept.** Banff, Alberta, Canada  
Summer Institute on Particles and Fields  
Local Organizing Committee, Dept. of Physics,  
University of Alberta, Edmonton, Alberta,  
Canada, T6G 2J1
- 28 Aug.-10 Sept.** Ghent, Belgium  
Electron and Ion Spectroscopy  
W. Dekeyser, Laboratorium voor Kristallografie en  
Studie van de Vaste Stof, Krijgslaan 271,  
B-9000 Ghent  
A: 15.6.77/75
- 28 Aug.-10 Sept.** Corsica, France  
Microscopic Structure and Dynamics of Liquids  
Josette Dupuy, Dépt. de Physique des Matériaux,  
U. Claude Bernard, F-69621 Villeurbanne  
A: April 1977/PP
- 30 Aug.-12 Sept.** Mikolajki, Poland  
10th Summer School in Nuclear Physics: Nuclear  
Structure and Nuclear Reactions  
Z. Wilhelmi, Inst. of Experimental Physics, University  
of Warsaw, Hoza 69, PL-00-681 Warsaw  
A: 10.5.77/PP/150/inv./English/  
US \$ 100.— (all incl.)
- 1-10 Sept.** Belgirate, Italy  
Vibrational Intensities in Infrared and Raman  
Spectroscopy  
G. Zerbi, Istituto Chimica Industriale, Politecnico,  
Piazza L. da Vinci 32, Milan  
A: 15.5.77/NP/Lit. 120.000.—
- 1-10 Sept.** Florence, Italy  
Ecole d'été méditerranéenne - Structure des Surfaces  
et Adsorption  
M. Bourg, Laboratoire Chimie Théorique, U.E.R. de  
physique, Université de Provence,  
F-13331 Marseille Cedex 3  
English, French, Italian/FF 1000.—
- 1-14 Sept.** Namur, Belgium  
Electronic Structure and Properties of Polymers  
Jean-Marie André, Laboratoire de Chimie Théorique  
Appliquée, 61, rue de Bruxelles, B-5000 Namur  
A: 30.4.77/60/bFr. 6500.— (all incl.)
- 1-16 Sept.** Varenna, Italy  
Theory of Magnetically Confined Plasmas  
Course (1-10) Workshop (10-16)  
Dr. R. Pozzoli, Istituto di Fisica, Via Celoria 16,  
I-20133 Milan  
A: 30.6.77/80/US \$ 200.— (150.— Course only)
- 4-17 Sept.** Frascati, Italy  
Molecular Structure and Dynamics  
M.S. Child, Dept. of Theor. Chemistry  
Oxford OX1 3TG, UK
- 5-16 Sept.** Erice, Italy  
Teaching Crystallography for Today's Sciences  
Prof. A. Authier, Université P. et M. Curie, Lab.  
Minéralogie Cristallographie, Tour 16,  
4, place Jussieu, F-75230 Paris Cedex 05  
A: 30.11.76/US \$ 250.—
- 5-17 Sept.** Liège, Belgium  
Representations of Lie Groups and Harmonic  
Analysis: Representation of Solvable and Semi-  
simple Groups, Harmonic Analysis  
M. de Wilde, Institut de Mathématique, 15 av.  
des Tilleuls, B-4000 Liège  
A: 30.4.77/80
- 6-24 Sept.** Trieste, Italy  
4th Course on Solar Energy Conversion  
International Centre for Theoretical Physics,  
POB 586, I-34100 Trieste
- 11-21 Sept.** Pugnochiuso, Italy  
The Valence Shell in Inorganic Molecules and Solids  
P. Day, Inorganic Chemistry Laboratory, South Parks  
Road, Oxford, UK  
A: 30.4.77/70/English
- 11-24 Sept.** Urbino, Italy  
Molecular Structure and Dynamics  
M.S. Child, Theoretical Chemistry Department,  
1 South Parks Road, Oxford, OX1 3TG, UK  
A: 15.4.77/60/US \$ 70.—
- 14-24 Sept.** Jadwisin, Poland  
Int. Summerschool in Statistical Mechanics  
NUFFIC, 27 Molenstraat, The Hague,  
The Netherlands or:  
W. Fiszdon, Polish Academy of Sciences,  
21 Swietokrzyska, Warsaw  
A: 15.4.77/70/English/US \$ 225.— (all incl.)
- 20 Sept.-2 Dec.** Trieste, Italy  
Autumn Course on the Physics of the Earth  
International Centre for Theoretical Physics,  
POB 586, I-34100 Trieste  
A: 30.6.77
- 26-30 Sept.** Cambridge, UK  
Scanning Electron Microscopy for Biologists and  
Materials Scientists  
Administrator, RMS, 37-38 St. Clements,  
Oxford OX4 1AJ
- 26 Sept.-1 Oct.** Lake Balaton, Hungary  
3rd Int. Summer School on Vacuum Physics:  
Interaction of Charged Particles-Molecules  
and Condensed Matter at Low Pressures  
Mrs. E. Nagy, Secretary, Roland Eötvös Physical  
Society, Anker köz 1, POB 240,  
H-1368 Budapest  
Ab: 31.3.77/PP/100/inv./English/  
Sfr. 300.— (all incl.)
- 9-21 Oct.** Erice, Italy  
Int. School of Energetics: Topics in Energy  
Technology  
F. Amman, Istituto di Fisica Applicata dell'Università,  
V.A. Bassi 6, I-27100 Pavia
- 17-21 Oct.** Paris, France  
Utilisation de la Pompe à Chaleur  
Inst. Français des Combustibles et de l'Energie,  
3, rue Henri Heine, F-75016 Paris  
French/FF 2800.—
- 25 Oct.-1 Nov.** Erice, Italy  
Biophysics: Neural Development  
A. Borsellino, Laboratorio di Cibernetica e Biofisica,  
Corso Mazzini 20, I-16032 Camogli
- December** Erice, Italy  
Interdisciplinary Seminar: Science and Culture  
Main Secretariat, CCSEM, Via Guarnotta 26,  
I-91016 Erice
- 29 Dec.-10 Jan. 1978** Erice, Italy  
Highly Specialized Seminar: Computational  
Geometry  
G. Preparata, CERN, CH-1211 Geneva 23,  
Switzerland

# 1978

**4-17 June** Netherlands  
The 1978 CERN School of Physics  
Miss D.A. Caton, Scientific Conference Secretariat,  
CERN, CH-1211 Geneva 23, Switzerland

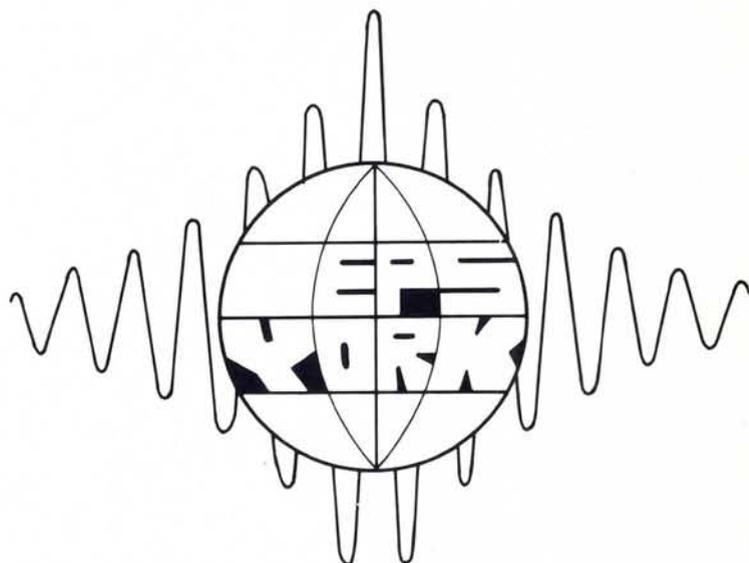
**September** Varenna, Italy  
Diagnostics for Controlled Fusion Experiments  
E. Sindoni, Istituto di Fisica, 16 Via Celoria,  
I-20133 Milan

**EUROPEAN PHYSICAL SOCIETY  
FOURTH GENERAL CONFERENCE**

**YORK U.K.**

**25 - 29 SEPTEMBER 1978**

**IN COLLABORATION WITH THE  
INSTITUTE OF PHYSICS**



**SYMPOSIA ON**

**TRENDS  
IN  
PHYSICS**

**Modern Optics  
Surface Physics  
Phase Transitions  
Nuclear Astrophysics  
Hot Plasmas  
Heavy Ion Physics  
Synchrotron Radiation  
Quarks**

Bulletin No. 1 giving details on the programme, speakers, etc. and containing preliminary registration form will be available in the Autumn.

Further details when available, please send to:

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This slip may be cut out and sent to the following address:

(Please PRINT exact name and full address)

**EPS 4  
University of York  
Heslington  
York YO1 5DD  
U.K.**

# Preliminary details of the EPS Fourth General Conference

The Fourth General Conference of the EPS will be held at the University of York from Sept. 25-29, 1978. This ancient cathedral city of England, renowned equally for its Minster and fine old buildings as well as its modern university campus (not to mention its position as the county town of perhaps the most celebrated cricketing county in the country) will be the host to physicists from all over Europe, gathered together to discuss the current **Trends in Physics**. The University is able to put at the disposal of the EPS, a number of auditoria and conference rooms and can provide accommodation on site for well over a thousand participants.

Several plenary sessions are planned and a series of Symposia with poster sessions which are being organized through the EPS Divisions. Invitations will be sent out shortly to the speakers at the plenary sessions, and papers for presentation at the eight Symposia can now be proposed for the topics listed below. Further details will be published as they become available and complete information will be sent to applicants who complete and return the slip at the bottom of the preceding page.

- a) Modern Optics** Sec: E. Courtens  
— Advances in non-linear optics and materials  
— New developments in lasers and their applications  
— Optical electronics  
— Laser spectroscopy
- b) Surface Physics** Sec: C. Todd  
— Not available
- c) Phase Transitions** Sec: H. Thomas  
— New developments in critical behaviour  
— Low dimensional and disordered systems  
— Nonequilibrium phase transitions
- d) Nuclear Astrophysics** Sec: A. Edwards  
— The early stages of the universe  
— The galaxy  
— The solar system  
— and perhaps another "hot" topic in 1978
- e) Hot Plasmas in Space and Laboratory**  
Sec: F. Engelmann

- Plasma turbulence  
(or Collective Plasma Dynamics)  
— Magnetohydrodynamics  
— Diagnostics
- f) Heavy Ion Physics** Sec: K. Bethge  
— Nuclear physics with heavy ions  
— Atomic physics aspects with heavy ions  
— Applied physics problems (heavy ion implantation and material science, damage production)
- g) Synchrotron Radiation** Sec: S. Leach  
— Atomic physics and synchrotron radiation  
— Outer shell excitation and relaxation in molecules  
— Theory of coherence effects  
— Synchrotron radiation and galactic X-ray sources  
— Elastic scattering  
— EXAFS  
— X-ray imaging  
— Photoemission
- h) Quarks** Sec: G. Preparata

## International Programme Committee

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**E. Courtens** (Q.E. Div.) Ruschlikon, CH  
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**G. Thomas** (EPS Exec. Sec.)  
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Meudon, F  
**Z. Wilhelmi** (Exec. Comm.) Warsaw, PL

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The Physics Department of the U.C.L. (Belgium) invites applications for a one year position for a :

### VISITING PROFESSOR OR A RESEARCH ASSOCIATE

who has experience in one of the experimental research fields of its Nuclear Physics Division : in-beam nuclear spectroscopy, heavy-ion physics, few-nucleon research, investigation of weak-interaction processes, intermediate energy physics, to begin duties in September 1977.

Applications, including a curriculum vitae, an account of professional experience and publications and the name of two referees should be sent by April 17 to : Prof. J. Vervier, Head of the Physics Department, Université Catholique de Louvain, Chemin du Cyclotron 2, B-1348 Louvain-la-Neuve, Belgium, where further information concerning the post and the division may be obtained.

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