



Hewlett-Packard Europhysics Prize

The Hewlett-Packard Europhysics Prize is awarded annually for outstanding achievement in the field of solid state physics. The award is made in recognition of a recent work, i.e. within the past five years, in the general area of condensed matter physics, notably work leading to advances in electronic, electrical or materials engineering.

Proposals are now invited for the 1983 award. These may be submitted by Members individually, or as representatives of a Division and should include:

a clear definition of the work in question;
a short biography of the candidate put forward;

a list of relevant publications and reprints referring to the work recommended.

Details should be sent to the Selection Committee, c/o EPS Secretariat, POB 69, CH-1213 Petit-Lancy 2, to arrive not later than 15 August 1982. All information will be treated as confidential. The Committee cannot enter into correspondence over the selection made.

Erice Scholarships

Applications for the scholarships that have been put at the disposal of EPS by the Ettore Majorana Centre, for courses at Erice should be made to the EPS Secretariat in Geneva. Note that candidates must be established physicists who are either EPS Individual Members themselves or sponsored by an EPS Individual Member. Furthermore, because of the pressure of demand, these scholarships are now available only for those schools that are sponsored by EPS.

The Proceedings of the Seminar on "The Career Outlook for Physicists in Europe" organized by E.W.A. Lingeman for the EPS Advisory Committee on Physics and Society, and held at Erice, 25-27 June 1981, are available up to the limit of stocks at the EPS Secretariat, price Sw.Fr. 40.—.

The 1982 Hewlett-Packard Prize of the European Physical Society has been awarded to Dr. Klaus von Klitzing of the Technical University of Munich for his work on the quantized Hall resistance in a two-dimensional electron gas.

In Dr. von Klitzing's experiments, the two-dimensional electron gas was formed in the thin inversion layer of a Metal Oxide Semiconductor Field Effect Transistor. Basically, a MOSFET consists of an np junction in which a section of the n material is replaced by p material over most of its thickness, leaving just a thin continuous film above the substrate. At low temperatures (~ 1.5 K) when a high magnetic field (> 10 T) is imposed across the film, the Hall voltage is seen to go through well defined plateaus as the gate voltage is varied. These plateaus occur when a Landau level is fully occupied and the Hall conducti-

ty is then a simple multiple of the square of the electronic charge divided by Planck's constant.

The accuracy of measurement is reduced to the accuracy that can be obtained in measuring the voltages across and along the device and across a standard resistance in series. This gives the possibility of verifying with very high precision the fine structure constant, or alternatively defining a standard of resistance in terms of this fundamental constant.

Since Dr. von Klitzing's discoveries, many theorists and experimental groups have explored the new phenomenon further and have obtained similar results with different materials. The award, which is worth Sw.Fr. 20000, will be presented during the General Conference of the Condensed Matter Division which is to be held in Manchester, 22-25 March, 1982.

Guide to Entries

Europhysics News publishes annually three Meetings Issues: in March, June and November. In the March issue the information received to date is given in full; in the two subsequent issues some entries may be abbreviated and marked by an asterisk (*) indicating that full information can be found in the preceding Meetings Issue of *Europhysics News*.

The present issue contains details of future events about which notification was received at the EPS Secretariat in Geneva by October 1981. 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 \otimes preceding the date.

For inclusion in the March 1982 issue, organizers should send available details to the EPS Secretariat by 15 February.

Organizers of conferences that are European in concept may apply for EPS sponsorship through the Secretariat.

Key to Abbreviations

- A: Application deadline
Ab: Abstracts deadline
inv.: attendance restricted to invited applicants
NP: no proceedings will be published
P: Papers deadline (information on proceedings has not been received)
PP: proceedings will be published.

The information is given in the following order:

Date **Venue**
Title
Contact for information
A: / Ab: / PP, NP or P: Papers deadline / Number of participants / inv. / languages other than English / Sponsorship / Conference fee.

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

Conferences 1982

5-7 Jan. Orléans, France
* 1st Int. Conf. on Non-Potential Interactions and Their Lie - Admissible Treatment

5-7 Jan. La Jolla, CA, USA
Annual Workshop on Nonlinear Dynamics
R.H.G. Helleman, The La Jolla Institute, POB 1434, La Jolla, CA 92038
125 / US \$ 25.—

6-8 Jan. Pacific Grove, CA, USA
6th Topical Meeting on Integrated and Guided-Wave Optics
Optical Soc. of America, 1816 Jefferson Place, N.W., Washington, DC 20036
Ab: 15.9.81 / US \$ 100.— before 5.12; 120.— at meeting

11 Jan. - 19 Feb. Ventura, CA, USA
1982 Winter Gordon Research Conferences
A.M. Cruickshank, Director Gordon Research Conferences, Pastore Chemical Lab., Univ. of Rhode Island, Kingston RI 02881

18-22 Jan. Schliersee, FRG
15th European Conf. on Laser Interaction with Matter (15th ECLIM)
R. Sigel, Max-Planck-Inst. f. Quantenoptik, Forschungsgelände, D-8046 Garching

24-30 Jan. Les Arcs, France
Moriond Workshop on New Flavours
L. Montanet, CERN-EP, CH-1211 Geneva 23
PP / 80 / inv.

25-28 Jan. San Francisco, CA, USA
* General Meeting: American Physical Society

25-29 Jan. Los Angeles, CA, USA
SPIE Technical Symposium
SPIE Technical Programs Comm. LA'82,
POB 10, Bellingham, WA 98227
Ab: 23.11.81

29 Jan. - 5 Feb. Masella, Alp (Gerona), E
13th GIFT Int. Seminar on Theoretical Physics
10th Winter Meeting on Fundamental Physics
SU(3) x SU(2) x U(1) and Beyond
J.A. Griffols, Dept. Fisica Teorica, Univ. Autonoma de Barcelona, Bellaterra (Barcelona)

7-12 Feb. Innsbruck, Austria
3rd Symposium on Atomic and Surface Physics (SASP 82)
W. Lindinger, Inst. f. Experimentalphysik, Karl Schönherstr. 3, A-6020 Innsbruck
PP / inv.

17-23 Feb. Stanford, CA, USA
Int. Conf. on Instrumentation for Colliding Beam Physics
R. Th. Nelson, SLAC Bin No. 14, Box 4349, Stanford, CA 94305
100 / inv. / US \$ 200.—

20-26 Feb. San Francisco, CA, USA
* COMPCON Spring 1982

1-5 March Würzburg, FRG
DPG Tagung
— Atomphysik
W. Mehlhorn, Fakultät f. Physik der Universität, Hermann-Herder-Str. 3, D-7800 Freiburg
— Massenspektrometrie
B. Brehm, Experimentalphysik, Universität, Appelstr. 2, D-3000 Hannover
— Molekülphysik
S. Peyerimhoff, Institut f. Physikalische Chemie der Universität, Wegelerstr. 12, D-5300 Bonn 1
— Kurzzeitphysik
M. Hugenschmidt, Deutsch-Französisches Forschungsinstitut, Postfach 1560, D-7858 Weil/Rhein
— Plasmaphysik
H. Schlüter, Institut f. Experimentalphysik, Lehrstuhl II RUB, Geb. NB 5/131, Universitätstr. 150, D-4630 Bochum
— Quantenoptik
A. Laubereau, Experimentalphysik III, Universität, Münzgasse 9, D-8580 Bayreuth
Ab: 1.12.81

1-13 March Palm Coast, FL, USA
Sanibel Symposia: 1. Int. Workshop on Propagator Methods in Quantum Theory of Matter; 2. Int. Symp. on Quantum Biology and Pharmacology; 3. Int. Symp. on Quantum Chemistry, Quantum Theory of Condensed Matter
Acting Director, Sanibel Meetings, Williamson Hall, Univ. of Florida, Gainesville, FL 32611
A: 31.12.81 / Ab: 31.12.81 / PP / Pt. 1: US \$ 225.—; Pt. 2: 225.—; Pt. 3: 275.— before 31.12.81

8-10 March Boulder, CO, USA
Laser Techniques for Extreme Ultraviolet Spectroscopy
Optical Soc. of America, Ultraviolet Spectroscopy, 1816 Jefferson Place, N.W., Washington, DC 20036
Ab: 30.11.81 / US \$ 120.— before 5.2.82

8-12 March Dallas, TX, USA
* General Meeting: American Physical Society

14-20 March Les Arcs, France
2nd Moriond Astrophysics Meeting: Recent Developments in Observational and Theoretical Cosmology
J. Audouze, IAP, 98bis, bd Arago, F-75014 Paris
PP / 45 / inv. / English

14-26 March Les Arcs, France
17th Rencontre de Moriond:
Elementary Particle Physics Meetings
— Electroweak Interactions and Grand Unified Theories (14-20.3)
— Elementary Hadronic Processes and New Spectroscopy (20-26.3)
Moriond EPP, Bât. 211, Université Paris-Sud, F-91405 Orsay Cedex
PP / 80 / inv.

15-17 March Regensburg, FRG
Physik der Hochpolymeren (DPG)
H. Hesse, Bayer AG, FE-DPP-Polymerphysik, B 406, D-5090 Leverkusen
Ab: 15.11.81

16-18 March Venice, Italy
Int. Conf. on Unified Theories and their Experimental Tests
M. Cresti, Istituto di Fisica, Via Marzolo 8, I-35100 Padova
inv. / about SFr. 200.—

22-24 March Kiel, FRG
Kristallographie (DPG)
H. Wondratschek, Inst. f. Kristallographie der Universität, Kaiserstr. 12, D-7500 Karlsruhe 1
Ab: 15.12.81

22-25 March Manchester, UK
General Conference of EPS Condensed Matter Division
The Meetings Officer, The Institute of Physics, 47 Belgrave Square, London SW1X 8QX
A: 10.2.82 / 500

22-26 March Nottingham, UK
* Int. Conf. on Electron Spin Resonance of Organic and Bio-organic Radicals

22-26 March Cologne, FRG
DPG Tagung
— Extraterrestrische Physik
H.-J. Fahr, Institut f. Astrophysik u. Extraterrestrische Forschung der Universität, Auf dem Hügel 1, D-5300 Bonn 1
Ab: 31.12.81
— DMG-Symposium
H.-J. Preuss, Institut f. Geophysik u. Meteorologie der Universität, Kerpenerstr. 13, D-5000 Köln 41
Ab: 30.9.81

22-27 March Karlsruhe, FRG
DPG Tagung
— Kernphysik (22-26.3.82)
A. Richter, TH Darmstadt, Schlossgartenstr. 9, D-6100 Darmstadt
Ab: 4.12.81
— Teilchenphysik (25-27.3.82)
G. Flügge, Institut f. Experimentelle Kernphysik der Universität, Postfach 3640
Ab: 4.1.82

22-27 March Grenoble, France
3rd Joint Varenna — Grenoble Int. Symposium on Heating in Toroidal Plasmas
C. Gormezano, Fusion-SIG, Centre d'Etudes Nucléaires, 85X, F-38041 Grenoble Cedex
A: Dec. 81 / P: Jan. 82 / 150 / approx. FF 500.— incl. proc.

22-27 March Brussels, Belgium
9th Int. Scientific and Technical Film Festival
Centre Universitaire du Film Scientifique, Univ. Libre de Bruxelles, c.p. 165, ave. F.D. Roosevelt 50, B-1050 Bruxelles

23-25 March Oxford, UK
* Int. Aerospace Conf.: Lightning and Static Electricity

23-26 March Rome, Italy
29th Int. Scientific Congress on Electronics
22nd Int. Scientific Meeting on Space (25-26.3)
Rassegna Internazionale Elettronica Nucleare Aero-spaziale, via Crescenzo 9, I-00193 Roma
Ab: 15.11.81 / PP: 31.1.82 / Engl., Italian

24-26 March Giessen, FRG
Didaktik der Physik (DPG)
W. Kuhn, Institut f. Didaktik der Physik der Universität, Haus C, Karl-Glöckner-Str. 21, D-6300 Giessen

25-27 March Telluride, CO, USA
Spin Excitations in Nuclei
F. Petrovitch, Dept. of Physics, Florida State Univ., Tallahassee, FL 32306

29-31 March Chester, UK
Vacuum '82
The Meetings Officer, The Institute of Physics, 47 Belgrave Square, London SW1X 8QX

29-31 March Durham, UK
4th Int. Conf. on Rare Earths and Actinides - 82
W.D. Corner, Physics Department, University of Durham, South Road, Durham DH1 3LE
A: 1.3.82 / Ab: 21.12.81 / PP: 1.3.82 / 150 / £ 55.— incl. proc.

29 March - 2 April Münster, FRG
46. Physikertagung 1982
— Dünne Schichten
H. Oechsner, Physikalisches Institut der TU, Leibnizstr. 4, D-3392 Clausthal-Zellerfeld
— Halbleiterphysik
P. Grosse, I. Physikalisches Institut der RWTH, Sommerfeldstr., Turm 28, D-5100 Aachen
— Magnetismus
E. Müller-Hartmann, Institut f. Theoretische Physik der Universität, Zulpicher Str. 77, D-5000 Köln 41
— Metallphysik
H. Wollenberger, Hahn-Meitner-Institut f. Kernforschung, Glienicke Str. 100, D-1000 Berlin 39
— Oberflächenphysik
K. Müller, Lehrstuhl f. Festkörperphysik der Universität, Erwin-Rommel-Str. 1, D-8520 Erlangen
— Thermodynamik und Statistische Mechanik (mit NNV)
J. Schnakenberg, Institut f. Theoretische Physik der RWTH, Physikzentrum, Melaten-Nord 26, D-5100 Aachen
— Tiefe Temperaturen
H. Wühl, Kernforschungszentrum, Institut f. Technische Physik, Postfach 3640, D-7500 Karlsruhe 1
Ab: 1.12.81

30 March - 1 April Newcastle-upon-Tyne, UK
14th Nat. Atomic and Molecular Physics Conf.
A.S. Dickinson, 14th ATMOL, School of Physics, The University, Newcastle-upon-Tyne, NE1 7RU
Ab: 29.1.82 / NP

30 March - 3 April Trieste, Italy
Int. Conf. on Applications of Physics to Medicine and Biology
Int. Centre f. Theor. Phys., POB 586, I-34100 Trieste

31 March - 2 April Glasgow, UK
Nuclear and Particle Physics
S.J. Hall, Dept. of Natural Philosophy, Univ. of Glasgow, Glasgow G12 8QQ

31 March - 2 April Hull, UK
Optical Techniques in Magnetic Resonance
B.C. Cavenett, Dept. of Physics, The University, Hull, HU6 7RX

- Spring** Mainz, FRG
Progress in Scintillation Mass Spectrometry in Trace Element Analysis
H.E. Beske, KFA Jülich, Postfach 1913, D-5170 Jülich 1
- 1-2 April** Berne, Switzerland
* Frühjahrstagung der Schweizerischen Physikalischen Gesellschaft
- 4-8 April** Arlington, TX, USA
* 6th Int. Conf. on Positron Annihilation
- 5-7 April** Oxford, UK
* Van der Waals Molecules
- 5-8 April** Coventry, UK
* 4th Int. Conf.: Trends in On-Line Computer Control Systems
- 6-8 April** Florence, Italy
Optical Properties of Glass and other Optical Materials
G.C. Righini, IRDE-CHR, Via Panciatichi 64, I-50127 Firenze
P: 15.12.81 / 350 / US \$ 130.—; 160.— after 31.1.82
- 13-15 April** Phoenix, AZ, USA
Optical Fiber Communication (OFC '82)
Optical Society of America,
1816 Jefferson Place, N.W., Washington, DC 20036
Ab: 16.11.81 / US \$ 140.— before 12.3.82 incl. CLEO
- 13-16 April** Zurich, Switzerland
Int. Conference on Valence Instabilities
P. Wachter, Laboratorium f. Festkörperphysik, ETH Zurich, CH-8093 Zurich
Ab: 10.1.82 / Ab: 10.1.82 / PP: 15.3.82 / 200 / incl. proc. SFr. 150.— (IOM); 180.— (others)
- 14-16 April** Phoenix, AZ, USA
Conference on Lasers and Electro-Optics (CLEO)
J.W. Quinn, Optical Society of America,
1816 Jefferson Place, N.W., Washington, DC 20016
Ab: 2.11.81 / US \$ 140.— before 12.3.82 incl. OFC '82
- 14-16 April** Graz, Austria
Europäische Rheologentagung
K. Kirschke, Deutsche Rheologische Gesellschaft,
Unter den Eichen 87, D-1000 Berlin 45
A: April 82 / Ab: 15.11.81 / NP: 15.11.81 / Engl., German / A.Sch. 1500.—
- 18-23 April** Asilomar, CA, USA
Electron Beam Interactions with Solids for Microscopy, Microanalysis and Microlithography
O. Johari, SEM Inc., POB 66507, AMF O'Hare, IL 60666
- 19-21 April** Bad Nauheim, FRG
Magnetismus (DPG)
K. Schüler, Thyssen Edelstahlwerke AG, Magnetfabrik Ostkirchstr. 177, D-4600 Dortmund 41
Ab: 1.12.81
- 19-21 April** Evian, France
2nd Conf. on Semi-insulating III-V Materials
G.M. Martin, LEP, 3 ave. Descartes, F-94450 Limeil-Brevannes
A: 28.2.82 / Ab: 15.11.81 / PP / 200
- 20-22 April** Birmingham, UK
Communications 82 — Communications Equipment and Systems
IEE Conf. Dept., Savoy Place, London WC2R 0BL
- 21-23 April** Durham, UK
Int. Conf. on II-VI Compounds
J. Woods, Dept. of Applied Physics and Electronics, Univ. of Durham, South Road, Durham DH1 3LE
- 26-29 April** Washington, DC, USA
* General Meeting: American Physical Society
- 3-5 May** Paris, France
Int. Conf. on Acoustics, Speech and Signal Processing IEEE, 345 E. 47th Str., New York, NY 10017, USA
- 3-7 May** Gatlinburg, TN, USA
5th Int. Conf. on Plasma Surface Interactions in Controlled Fusion Devices
R.E. Clausing, 5th PSI Conf., Oak Ridge National Laboratory, POB X, Oak Ridge, TN 37830
- 3-7 May** Nordwijkerhout, NL
SEAS Spring Technical Meeting
C.J.M. Aarts, SEAS Headquarters, Toernooiveld, NL 6525 ED Nijmegen
A: 15.3.82 / Ab: 15.12.81 / PP: 15.3.82 / 200 / hFl. 900.—
- 4-6 May** San Diego, CA, USA
* 27th SAMPE Symposium and Exhibition
- 7-8 May** Akron, OH, USA
APS Spring Meeting
B.C. Clark, Dept. of Physics, Ohio State Univ., 174 W. 18th Ave., Columbus, OH 43210
Ab: 16.4.82
- 11-14 May** Island of Vlieland, NL
Annual Theoretical Physics Conf. (Vosbergen Conf.)
H. Rood, Inst. f. Theoretical Physics, Univ. Complex Paddepoel, POB 800, NL-9700 AV Groningen 90
- 11-14 May** Kobe, Japan
9th Int. Cryogenic Engineering Conf.
Int. Cryogenic Materials Conf.
ICEC9-ICMC Secretariat, c/o Industrial Research Inst., 2-1-7 Shinkawa, Chuo-ku, Tokyo 104
Ab: 10.12.81 / PP
- 17-19 May** Ottawa, Ontario, Canada
* International Conference on Plasma Science
- 17-19 May** Gothenburg, Sweden
Physics and Mental Development
N. Svantesson, Centre for Science Education, Univ. of Gothenburg, S-43120 Mölndal
- 17-21 May** Rochester, NY, USA
Spring Conf. on Applied Optics
Topical Session on Gradient-Index Optical Imaging Systems
Optical Society of America, Spring Conf., 1816 Jefferson Place, N.W., Washington, DC 20036
Ab: 29.1.82 / US \$ 160.— before 19.4.82; 30.— students
- 17-22 May** Ottawa, Canada
* Int. Symposium on Solar Terrestrial Physics
- 17-29 May** Ottawa, Canada
* 24th COSPAR Plenary Meeting and Associated Activities
- 23-26 May** Damp 2000 nr. Kiel, FRG
5th Int. Conf. on Photon Correlation Techniques in Fluid Mechanics
E.O. Schulz-DuBois, Inst. f. Angewandte Physik, Universität Kiel, Olshausenstr. 40-60, D-2300 Kiel 1
PP / 120 / incl. proc. DM 180.— (IOM); 200.— (others); 120.— (students)
- 24-28 May** Berlin (West)
* 9th IMEKO Congress: Technological and Methodological Advances in Measurement
- 25-26 May** Enschede, The Netherlands
Dynamics-Days Twente: Annual Workshop on Non-linear Dynamics
R.H.G. Helleman, Theoretical Physics, Twente University of Technology, POB 217, NL 7500 AE Enschede 110 / English
- 1-5 June** Ottawa, Ontario, Canada
* Symposium on Monitoring from Space of Anthropogenic Effects on Environment
- 1-5 June** Stockholm, Sweden
Symposium on Production and Physics of Highly Charged Ions
G. Astner, Research Inst. of Physics, Roslagsvägen 100, S-10405 Stockholm
A: 20.1.82 / PP / 100 / US \$ 100.— incl. proc.
- 2-4 June** Stockholm, Sweden
Physics in Collision
P. Carlson, Dept. of Physics, Vanadisvägen 9, S-11346 Stockholm
PP / 50 / inv. / English / sKr. 450.— incl. proc.
- 6-11 June** Volendam, The Netherlands
13th Int. Symposium on Multiparticle Dynamics
W. Kittel, Physics Dept., K.U.N., Toernooiveld, NL-6525 ED Nijmegen
Ab: 1.4.82 / P: 1.5.82 / 80 / inv. / hFl. 650.—
- 7-9 June** Eindhoven, NL
* 2nd European Conf. on Solid State Chemistry
- 7-11 June** Stockholm, Sweden
Study of Ion Atom Collisions with Accelerators
S. Hultberg, Research Inst. for Physics, Fack, S-10405 Stockholm
- 7-11 June** St. Louis, MO, USA
* 3rd Joint Thermophysics, Fluids, Plasma and Heat Transfer Conf.
- 7-11 June** Paris, France
* 3rd Int. Congress: Hydrogen and Materials
- 7-11 June** Torun, Poland
3rd Int. Symposium on Magnetic Resonance in Colloid and Interface Science
A. Gutsze, Inst. of Physics, Nicholas Copernicus Univ., ul. Grudadzka 5, PL 87-100 Torun
- 8-10 June** Stresa, Italy
2nd Int. SAMPE Conf.:
Composite Materials and Special Bondings
M. Smith, SAMPE, POB 613, Azusa, CA 91702, USA
Ab: 31.12.81 / P: 1.3.82
- 8-11 June** Toulouse, France
Int. Symposium: Materials Used on board Satellites and Space Probes
CNES, Dépt des Affaires Universitaires, 18 ave. Edouard-Belin, F-31055 Toulouse Cedex
Ab: 1.12.81 / Engl., French / ESA, CNES, CERT / FF 900.—
- 9-11 June** Elsinore, Denmark
10th Nordic Semiconductor Meeting
Conf. Secretariat, Physics Lab. III, Technical Univ. of Denmark, DK-2800 Lyngby
Ab: 1.3.82 / P: 1.5.82
- 9-15 June** Göteborg, Sweden
Int. Conference on Plasma Physics
H. Wilhelmsson, Inst. f. Electromagnetic Field Theory, Chalmers Univ. of Technology, S-41296 Göteborg
A: 15.1.82 / Ab: 1.2.82 / PP: 15.6.82 / 500 / IUPAP, URSI / US \$ 120.— approx. incl. proc.
- 11-12 June** Copenhagen, Denmark
Symposium on Local Density Approximations in Quantum Chemistry and Solid State Theory
J.P. Dahl, Chem. Lab. B, Tech. Univ. of Denmark, DTH 301, DK-2800 Lyngby
A: 1.6.82 / Ab: 1.4.82 / NP / Engl. / dKr. 500.— (400.— before 1.1.82)
- 13-17 June** Los Angeles, CA, USA
* 4th World Hydrogen Energy Conference
- 13-18 June** Dallas, TX, USA
* International Microwave Symposium
- 14-16 June** Atlanta, GA, USA
Physical Electronics Conference (APS)
W.W. Havens Jr., 335 E. 45th Str., New York, NY 10017
- 14-17 June** Stavanger, Norway
Annual Meeting: Norwegian Physical Society
E. Eriksen, Rogaland Regional College, Ullandhaug, N-4000 Stavanger
A: 15.5.82 / Ab: 15.5.82 / NP / 150 / Engl., Norwegian / nKr. 150.—
- 14-17 June** New York, NY, USA
4th Int. Conf. on Physico-Chemical Hydrodynamics
B. Levich, City College of New York, New York, NY 10031
Ab: 15.1.82
- 14-19 June** Uppsala, Sweden
4th Int. Congress in Quantum Chemistry
P.O. Löwdin, Uppsala Quantum Chemistry Group, Box 518, S-75120 Uppsala
Ab: 31.3.82 / PP / 400 / Engl., French / sKr. 750.— (250.— students) before 31.12.81; 1000.— (300.— students) before 1.6.82
- 14-19 June** Balatonfüred, Hungary
Neutrino '82
D. Kiss, Eötvös Lorand Physical Soc., POB 240, H-1368 Budapest
A: 15.3.82 / PP: 19.6.82 / 200 / US \$ 100.— approx. incl. proc.
- 14-21 June** Portoroz, Yugoslavia
Nuclear Magnetic Resonance
R. Blinc, Institut Josef Stefan, Jamova 39, YU-61001 Ljubljana
English

- 14-26 June** Nice, France
Nonlinear Physics: Solitons in Real Systems; Transitions to Turbulence
G. Reinish, Observatoire de Nice, B.P. 252, F-06007 Nice Cedex
A: 15.3.82 / Ab: 31.1.82 / PP / 120
- 16-18 June** Coimbra, Portugal
 3rd General Meeting of Portuguese Physical Society
 Secretariado de Física - 82, Departamento de Física,
 Universidade de Coimbra, P-3000 Coimbra
A: 30.12.81 / Ab: 31.3.82
- 20-22 June** Lund, Sweden
 Electron Correlation in Molecular Systems
 B. Roos, Chemistry Centre, Univ. of Lund,
 S-22007 Lund
- 20-24 June** Berlin-West
 * Workshop:
 Liquid Alloys, Molten Salts and Polyelectrolytes
- 20-25 June** Heidelberg, FRG
 Hypernuclear and Kaon Physics
 B. Martin, Max-Planck-Inst. f. Kernphysik,
 Postbox 103980, D-Heidelberg
- 21-22 June** Stockholm, Sweden
 Quantum Chemistry in Biology
 I. Fischer-Hjalmars, Inst. of Theor. Physics, Univ. of
 Stockholm, Vanadisvägen 9, S-11346 Stockholm
- 21-23 June** Åbo, Finland
 Symposium on Relativistic Effects in Quantum
 Chemistry
 P. Pyykkö, Dept. of Phys. Chemistry, Åbo Akademi,
 SF-20500 Åbo (Turku)
**A: 31.3.82 / Ab: 31.3.82 / PP / US \$ 90. — incl. proc.
 before 31.3.82**
- 21-25 June** Smolenice, CSSR
 3rd Int. Symposium on Neutron Induced Reactions
 P. Obložinský, Inst. of Physics,
 Slovak Acad. of Sciences,
 Dúbravská cesta, CS-89930 Bratislava
**A: 28.2.82 / Ab: 15.5.82 / PP: 25.6.82 / 80 / inv. /
 US \$ 80. —; Rb. 80. —; CzKr. 800. —**
- 22-24 June** Trondheim, Norway
 * 2nd Int. Symposium on Wave Energy Utilization
- 22-25 June** Grenoble, France
 7th Int. Conf. on Solid Compounds of Transition
 E.F. Bertaut, CNRS, Lab. de Cristallographie,
 25 ave. des Martyrs, 166X, F-38042 Grenoble Cedex
 IUPAP
- 22-25 June** Munich, FRG
 12th Int. Quantum Electronics Conference
 K.L. Kompa, Max-Planck-Institute f. Quantenoptik,
 D-8046 Garching
**Ab: 31.12.81 / DM 290. —; 350. — after 15.4.82;
 60. — students**
- 28-30 June** Karlsruhe, FRG
 4th Conf. on Superconductivity in d- and f-Band Metals
 W. Weber, Kernforschungszentrum Karlsruhe GmbH,
 Inst. f. Angew. Kernphysik,
 Postfach 3640, D-7500 Karlsruhe 1
- 28-30 June** Toulouse, France
 Journées Nationales Microondes
 JNM 82, ENSEEIHT, 2 rue Charles Camichel,
 F-31071 Toulouse Cedex
- 28 June - 1 July** Boulder, CO, USA
 Conf. on Precision Electromagnetic Measurements
 Mrs. D. Belsher, Nat. Bureau of Standards, I-4001,
 325 Broadway, Boulder, CO 80303
A: May 82 / Ab: 1.1.82 / PP: June 82 / 600 / URSI
- 30 June - 2 July** Oxford, UK
 * 9th Annual Conf. on Plasma Physics
- 5-9 July** Montpellier, France
 5th Int. Conf. on the Physics of Non-Crystalline Solids
 J. Zarzycki, Lab. de Science des Matériaux du CNRS,
 Université de Montpellier 2, F-34060 Montpellier Cedex
A: 15.3.82 / Ab: 31.12.81 / Engl., French
- 6-9 July** Manchester, UK
 Int. Conf. on Man/Machine Systems
 IEE Conf. Dept., Savoy Place, London WC2R 0BL
Ab: 25.9.81 / PP: 26.2.82
- 11-16 July** Louvain-la-Neuve, Belgium
 * 6th IUPAC Conf. on Physical Organic Chemistry
- 12-16 July** Amherst, MA, USA
 * 1982 IUPAC Macromolecular Symposium
- 12-17 July** Boulder, CO, USA
 6th Int. Conf. on Spectral Line Shapes
 K. Burnett, Dept. of Physics, Univ. of Colorado,
 CO 80309
 IUPAP
- 20-23 July** Montreal, Quebec, Canada
 * Joint Intermag and Magnetism and Magnetic Materials
 Conference
- 21-23 July** Paris, France
**Int. Colloquium on History of Particle Physics:
 Some Discoveries, Concepts, Institutions from
 the Thirties to the Fifties**
**Mme J. Laberrigüe, LPNHE, Université P. et M.
 Curie,
 Tour 32, 4 place Jussieu, F-75230 Paris Cedex
 PP / 150 / IUPAP**
- 25-27 July** Novosibirsk, USSR
 Int. Conf. on Synchrotron Radiation
 E. Gluskin, Nuclear Physics Inst., 630090 Novosibirsk
- 26-28 July** York, UK
 Int. Conf. on Electronic Image Processing
 IEE Conf. Dept., Savoy Place, London WC2R 0BL
Ab: 28.9.81 / PP: 1.2.82
- 26-31 July** Paris, France
 21st Int. Conf. on High Energy Physics
 Conf. Secretariat, 20 rue Berber du Mets,
 F-75013 Paris
 inv. / IUPAP / FF 700. —
- 27-30 July** Liège, Belgium
 14th EGAS Conference
 N. Grevesse, BFS-Group, University of Liège,
 Sart Tilman B15, B-4000 Liège
 250
- August** Toulouse, France
 Planetary Rings (IAU)
 A. Brahic, Observatoire de Paris, F-92190 Meudon
- August** Warsaw, Poland
 Int. Congress on Mathematics
 J.L. Lions, Int. Mathematical Union, Collège de France,
 11 pl. Marcelin-Berthelot, F-75005 Paris Cedex
- 1-5 Aug.** New Orleans, LA, USA
 24th Annual Meeting: American Assoc. of Physicists
 in Medicine
 American Assoc. of Physicists in Medicine,
 III E. Wacker Drive, Chicago, IL 60601
- 2-3 Aug.** Rolla, MO, USA
 6th Int. Symposium on the Physics and Chemistry of
 Ice (APS)
 W.W. Havens Jr., 335 E. 45th Str., New York, NY 10017
- 2-6 Aug.** Zurich, Switzerland
 Solar and Stellar Magnetic Fields: Origins and Coronal
 Effects
 J.O. Stenflo, Inst. of Astronomy, ETH-Zentrum,
 CH-8092 Zurich
- 2-6 Aug.** Göteborg, Sweden
 8th Int. Conf. on Atomic Physics
 8th ICAP, Dept. of Physics, Chalmers
 Univ. of Technology, S-41296 Göteborg
**Ab: 1.5.82 / PP / 400 / inv. / IUPAP /
 US \$ 150. — (130. — before 1.2.82) incl. proc.**
- 4-6 Aug.** Maynooth, Ireland
 Workshop on Solar/Interplanetary Intervals
 S.M.P. McKenna-Lawlor, Physics Dept.,
 St. Patrick's College, Maynooth, Co. Kildare
 IAU, IUPAP, Cospar
- 9-13 Aug.** Leuven, Belgium
 Int. Conf. on Martensitic Transformations
 (incl. Summer Course)
 L. Delaey, de Croylaan 2, B-3030 Heverlee
A: 1.3.82 / Ab: 1.3.82 / P: 1.5.82
- 9-13 Aug.** Besançon, France
 IAU Symposium: Internal Kinematics and Dynamics of
 Galaxies
 M. Crézé, Observatoire de Besançon, F-25000 Besançon
- 9-13 Aug.** Hamburg, FRG
 Int. Conf. on X-ray and VUV Synchrotron Radiation
 Instrumentation
 B. Buras, Risø National Laboratory,
 DK-4000 Roskilde, Denmark
- 9-13 Aug.** Prague, CSSR
 Physics of Active Region Development (IAU)
 V. Bumba, CS-25165 Ondřejov
- 9-13 Aug.** Tel Aviv or Haifa, Israel
 Cataclysmic Variables and Related Objects (IAU)
 G. Shaviv, Dept. of Physics and Astronomy,
 Tel Aviv University, Ramat Aviv
- 9-13 Aug.** Trieste, Italy
**4th Workshop on Solar Radio Noise
 Storms**
**A.O. Benz, Inst. of Astronomy, ETH,
 CH-8092 Zurich**
SFr. 450. — incl. accomm.
- 10-13 Aug.** Catania, Italy
 IAU Colloquium: Activity in Red Dwarf Stars
 M. Rodono, Osservatorio Astrofisico,
 Città Universitaria, I-95125 Catania
- 10-14 Aug.** London, UK
 Planetary Nebulae (IAU)
 M.J. Barlow, Department of Physics and Astronomy,
 University College, Gower Street,
 London WC1E 6BT
- 17-24 Aug.** Hamburg, FRG
 10th Int. Congress on Electron Microscopy
 German Convention Service, Dammtorstr. 12,
 D-2000 Hamburg 36
Ab: 31.12.81
- 17-26 Aug.** Patras, Greece
 18th General Assembly of Int. Astronomical Union
 Mrs. B. Manning, IAU Secretariat,
 61 ave. de l'Observatoire, F-75014 Paris
US \$ 100. —; 120. — (after 31.5.82)
- 18-20 Aug.** Tampere, Finland
 Nordic Conf. on Surface Science
 M. Pessa, Tampere Univ. of Technology,
 POB 527, SF-33101 Tampere 10
- 20-24 Aug.** Nara, Japan
 Symposium on Gauge Theory and Gravitation
 A. Hosooya, Dept. of Physics, Osaka Univ.,
 Toyonaka, Osaka 560
- 21-26 Aug.** Győr, Hungary
 11th Hungarian Diffraction Conference
 Mrs. E. Nagy, Roland Eötvös Phys. Soc.,
 POB 240, H-1368 Budapest
**A: 15.10.81 (prel.) / NP / 150 / inv. /
 US \$ 150. — approx. incl. full board**
- 21-27 Aug.** San Diego, CA, USA
 15th Int. Congress on High Speed Photography and
 Photonics
 U.S. Organizing Secretariat, SPIE,
 POB 10, Bellingham, WA 98227
Ab: 23.11.81 / P: 21.6.82
- 23-27 Aug.** Eugene, OR, USA
 Int. Conf. on X-Ray and Atomic Inner Shell Physics
 B. Crasemann, X-82 Conference, Physics Dept.,
 University of Oregon, Eugene, OR 97403
 IUPAP
- 23-27 Aug.** Poznan, Poland
 22nd Int. Ampère Congress: Magnetic Resonance and
 Related Phenomena
 J. Stankowski, Instytut Fizyki Molekularnej,
 ul. Smoluchowskiego 17/19, PL-60-179 Poznan
**A: 4.6.82 / Ab: 15.9.81 / PP: 1.5.82 / English / IUPAP
 US \$ 100. —**
- 23-27 Aug.** Leeds, UK
 9th Annual Meeting of European Geophysical Society
 18th Gen. Assembly of European Seismological Com-
 mission
 J.T. Gleave, Special Courses Div., Univ. of Leeds,
 Leeds LS2 9JT
A: 1.6.82 / Ab: 1.6.82
- 23-27 Aug.** Istanbul, Turkey
 Int. Colloquium on Group Theoretical Methods in
 Physics
 M. Serdaroglu, Bogaziçi University, Physics Dept.,
 P.K. 2, Bebek, Istanbul
 IUPAP
- 23-28 Aug.** Prague, CSSR
 European Meeting on Crystal Growth: Materials for
 Electronics
 EMCG 82, Cukrovarnicka 10, CS-16253 Praha 6

24-27 Aug. Ghent, Belgium
5th European Conf. on Surface Science (ECOSS 5)
7th Solid-Vacuum Interface Symposium (SVI-VII)
J. Vennik, Lab. Kristallografie,
Krijgslaan 271, S1, B-9000 Gent
Ab: 15.4.82 / PP / 400 / IUUSTA / bFr. 3900.—

25-30 Aug. Nikko, Japan
Sagamore VII Conf. on Charge, Spin and Momentum
Densities
Y. Saito, Institute for Solid State Physics, Univ. of
Tokyo, 22-1 Roppongi 7-chome, Minato-Ku,
Tokyo 106

27-30 Aug. Lake Kawaguchi, Japan
2nd Int. Symposium on Molecular Beam Epitaxy and
Related Clean Surface Techniques
MBC CST-2, R. Ueda, Dept. of Applied Physics,
School of Science and Engineering, Waseda Uni-
versity, 3-4-1, Ohkubo, shinjuku-ku, Tokyo

29 Aug. - 3 Sept. Jerusalem, Israel
7th European Crystallographic Meeting
ECM-7, J. Bernstein, Dept. of Chemistry,
Ben Gurion Univ. of the Negev, Beer Sheva 84120

30 Aug. - 1 Sept. Dublin, Ireland
7th Int. Colloquium on Ultraviolet and X-Ray
Spectroscopy of Astrophysical and Laboratory
Plasmas (IAU)
P.K. Carroll, Physics Dept., University College, Belfield,
Stillorgan Road, Dublin 4

30 Aug. - 2 Sept. Thessaloniki, Greece
Dynamical Trapping and Evolution in the Solar System
(IAU)
V.V. Markellos, Dept. of Mathematics, School of
Engineering, Univ. of Patras, Rion, Patras

30 Aug. - 2 Sept. Venice, Italy
IAU Symposium: Supernovae Remnants and their
X-Ray Emission
J. Danziger, ESO, Karl-Schwarzschild-Str. 2,
D-8046 Garching b. München

30 Aug. - 2 Sept. Crete, Greece
Evolution of the Early Universe and its Present Structure
G. Abell, Dept. Astronomy, Univ. of California,
Los Angeles, CA 90024, USA

30 Aug. - 3 Sept. Tübingen, FRG
3rd Conf. on Determination of Molecular Structure by
Microwave Spectroscopy and Electron Diffraction
(6th European Microwave Spectroscopy Conf.)
D. Christen, Inst. of Phys. and Theor. Chemistry, Uni-
versity, Auf der Morgenstelle 8, D-7400 Tübingen

30 Aug. - 3 Sept. Dublin, Ireland
4th Europhysics Topical Conference on Lattice
Defects in Ionic Crystals
J. Corish, Dept. of Chemistry, University College
Dublin, Belfield, Dublin 4
A: 30.4.82 / Ab: 28.2.82 / PP: 28.2.82 / 250 /
incl. proc. approx. IR £ 60.—; 20.— (students)

30 Aug. - 3 Sept. Vienna, Austria
9th Int. Mass Spectrometry Conference
Interconvention, POB 105, A-1014 Vienna

30 Aug. - 3 Sept. Cracow, Poland
9th Int. Liquid Crystal Conference
J. Janik, Inst. of Nuclear Physics,
Ul. Radzikowskiego 152, PL-31-342 Cracow
A: 1.6.82 / P: 15.2.82 / 500 / US \$ 90.— IOM; 100.—
others

30 Aug. - 3 Sept. Trieste, Italy
2nd IUPAP-Trieste Semiconductor Symposium:
Surfaces and Interfaces: Physics and Electronics
R.S. Bauer, Xerox Research Center,
Palo Alto, CA 94304, USA
A: 1.5.82 / PP / 150 / IUPAP / US \$ 100.—

30 Aug. - 4 Sept. Amsterdam, NL
Int. Conf. on Nuclear Structure (9th EPS
Nuclear Physics Divisional Conf.)
J.F.A. van Hienen, Natuurkundig Lab. of
the Free University, POB 7161,
NL-1007 MC Amsterdam
400 / IUPAP / approx. hFl. 275.— incl. proc.

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16 volumes).

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Crystal structure data of elements, intermetallic,
inorganic and organic compounds. Linear and non-
linear elastic, dielectric, optic and coupled properties.
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states of metals, etc. . . (up to now: 25 volumes).

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pressure properties of matter (up to now: 5 volumes).

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31 Aug. - 3 Sept. Baden, Austria
6th Int. Workshop: Rare Earth — Cobalt Permanent
Magnets and their Applications
3rd Int. Symp. on Magnetic Anisotropy and Coercivity
in Rare Earth Transition Metal Alloys (3 Sept.)
J. Fidler, Inst. f. Angewandte Physik, Tech. Univ.,
Karlsplatz 13, A-10400 Vienna
A: 1.3.82 / PP / 250 / A.Sch. 5000.—

31 Aug. - 3 Sept. Amsterdam, NL
12th Int. Conf. on Defects in Semiconductors
C.A.J. Ammerlaan, Natuurkundig Lab.,
Univ. of Amsterdam,
Valckenierstraat 65, NL-1018 XE Amsterdam
IUPAP

31 Aug. - 4 Sept. Lake Balaton, Hungary
Diffusion in Metals and Alloys
F.J. Kedves, Roland Eötvös Physical Society,
POB 240, H-1368 Budapest
A: 1.4.82 / Ab: 1.4.82 / PP: 4.9.82 / 120 / approx.
US \$ 100.— incl. proc.

1-3 Sept. Warsaw, Poland
Solid State Physics under High Pressure
S. Porowski, High Pressure Research Centre,
Sokolowska 29, PL-01-142 Warsaw
A: 1.6.82 / Ab: 1.3.82 / NP / 120 / US \$ 70.—

1-3 Sept. Oxford, UK
ESCAMPIG Conference
R.W.P. McWhirter, Rutherford Lab.,
Chilton, Didcot, OX11 0QX

1-4 Sept. Asilomar, CA, USA
Vibrations at Surfaces III
H. Morawitz, IBM Research Lab., Dept. K31/281,
5600 Cottle Road, San José, CA 95193
IUPAP

1-4 Sept. Hakone, Japan
Yamada Conf. on Neutron Scattering of Condensed
Matter
Y. Itoh, Inst. for Solid State Physics, Univ. of Tokyo,
22-1 Roppongi 7-chome Minato-ku, Tokyo 106

1-8 Sept. Baltimore, USA
9th Int. Conf. on Plasma Physics and Controlled Nuclear
Fusion Research
R. Najar, Conference Service Section, IAEA, POB 100,
A-1400 Vienna, Austria

5-9 Sept. Haifa, Israel
8th Int. Symposium on Microprogramming and Micro-
processing — Euromicro 82
M. Yoeli, Computer Science Dept., Technion, Israel
Inst. of Technology, Technion City, Haifa 32000
Ab: 1.3.82 / P: 1.3.82

5-11 Sept. Hamburg, FRG
6th Int. Conf. on Medical Physics
Hamburg Messe u. Kongress GmbH, Postfach 302360,
D-2000 Hamburg 36

5-11 Sept. Javea, Spain
8th Int. Workshop on Weak Interactions with Neutrino
Beams
A. Morales, Inst. Fisica Nuclear y Altas Energias,
Universidad de Zaragoza, Ciudad Universitaria,
Zaragoza
A: 15.5.82 / 80

6-10 Sept. Kyoto, Japan
Int. Conf. on Magnetism - ICM 82
J. Kanamori, Faculty of Science, Osaka University,
Toyonaka 560
Ab: 15.3.82 / PP: 1.8.82 / IUPAP / US \$ 120.—

6-10 Sept. Munich, FRG
7th Int. Heat Transfer Conference
DECHEMA, POB 970146, D-6000 Frankfurt 97

6-10 Sept. Antwerp, Belgium
Int. Conf. on Nuclear Data for Science
and Technology
K.H. Böckhoff, CEC, JRC, CBNM,
B-2440 Geel, Europawijk
A: April 82 / Ab: April 82 / PP: 10.9.82 / 200 /
IUPAP

- 6-10 Sept.** Montpellier, France
16th Int. Conf. on the Physics of Semiconductors
B. Pistoulet, CEES, USTL, Place Eugène Bataillon,
F-34060 Montpellier Cedex
A: June 82 / PP: 15.3.82 / 1000 / IUPAP /
FF 800.— incl. proc.
- 6-10 Sept.** Grenoble, France
Ion Beam Modification of Materials (IBMM 82)
J.P. Gaillard, CENG, LETI/MSC, 85 X,
F-38041 Grenoble Cedex
A: 31.5.82 / PP: 31.5.82 / 300 / FF 450.—;
250.— students
- 6-11 Sept.** Bordeaux, France
Int. Conf. on Raman Spectroscopy
J. Lascombe, Lab. de Spectroscopie Infrarouge,
351 cours de la Libération,
F-33405 Talence Cedex
A: 15.6.82 / PP: 15.3.82 / 500 / Engl., French /
IUPAP / FF 500.— incl. proc.
- 6-17 Sept.** Varenna, Italy
Course and Workshop: Diagnostics for Fusion Reactor
Conditions
E. Sindoni, Istituto di Fisica, Via Celoria 16,
I-20133 Milano
A: 30.5.82 / PP / US \$ 200.— approx.
- 7-9 Sept.** Nijmegen, The Netherlands
4th European Study Conf. on Low Energy Molecular
Collisions (MOLEC IV)
J. Reuss, Fysisch Laboratorium, Katholieke Universiteit,
NL-6525 ED Nijmegen
Ab: 1.5.82 / NP: 1.2.82 / 100 / hFl. 500.— all incl.
- 7-10 Sept.** Edinburgh, UK
Optics '82 and ECOSA 82
The Meetings Officer, The Institute of Physics,
47 Belgrave Square, London SW1X 8QX
N. Davidson, Rank Pullin Controls, Loughton,
Essex IG10 4TW (for ECOSA)
- 11-18 Sept.** Erice, Italy
Europhysics Study Conf.: Multibody Phenomena in
Strong, Electromagnetic and Weak Interactions
G. Bellettini, Lab. di San Piero, INFN, Via Livornese,
S. Piero a Grado, I-56010 Pisa
- 13-15 Sept.** Berlin-West
**Semiconductors in the Vacuum UV: Applications
of Synchrotron Radiation**
A.M. Bradshaw, Berliner Elektronenspeicherring-
Gesellschaft für Synchrotronstrahlung m.b.H.,
Takustr. 3, D-1000 Berlin 33
150 / DM 100.— IOM; 60.— students; 120.— others
- 13-16 Sept.** Yokohama, Japan
10th Int. Colloquium on Magnetic Films and Surfaces
Y. Gondo, Faculty of Engineering, Yokohama National
University, Yokohama
IUPAP
- 13-16 Sept.** Munich, FRG
**12th European Solid State Device Research
Conf. (ESSDERC)**
**7th Symp. on Solid State Device Techno-
logy (SSDT)**
A. Goetberger, Inst. f. Angewandte Fest-
körperphysik, Eckerstr. 4,
D-800 Freiburg
Ab: 3.5.82 / PP / DM 240.— IOM; 270.—
others (incl. proc.); 40.— students
- 13-16 Sept.** St-Louis, MO, USA
45th Annual Meeting of Meteorological Society
G. Crozaz, Washington Univ.,
Box 1105, St-Louis, MO 63130
- 13-17 Sept.** Cambridge, UK
The Neutron and its Applications
The Meetings Officer, Inst. of Physics, 47 Belgrave
Square, London SW1X 8QX
A: 1.8.82 / Ab: 1.4.82 / 400 / £ 95.—
- 13-17 Sept.** Toulouse, France
Int. Symp.: Operational Interpretation of Remote Sen-
sing Data; Outlook for Use of Future Satellite
Systems
Groupement pour le Développement de la Télédétection
Aérospatiale, 18, ave. Edouard-Belin,
F-31055 Toulouse Cedex
Ab: 31.1.82 / PP: 31.5.82 / Engl., French / FF 950.—
incl. proc.
- 13-17 Sept.** Göttingen, FRG
3rd Congress of Federation of Acoustical Societies of
Europe (FASE)
9th Meeting: Deutsche Arbeitsgemeinschaft für Akustik
(DAGA)
M.R. Schroeder, FASE/DAGA 82, III. Phys. Inst.,
Bürgerstr. 42-44, D-3400 Göttingen
Ab: 31.3.82 / PP / German, Engl., French / DM 200.—
incl. proc.; 40.— students, no proc.
- 13-17 Sept.** Jülich, FRG
12th Symposium on Fusion Technology
G. Mohl, Inst. f. Plasmaphysik, Kernforschungsanlage
Jülich, Postfach 1913, D-5170 Jülich
Ab: 15.4.82
- 14-16 Sept.** Southampton, UK
Electron and Proton Transfer
W.J. Alberly, Dept. of Chemistry, Imperial College,
London SW7 2AY
A: Aug. 82 / Ab: 31.10.81 / PP: 15.5.82 / 200
- 14-16 Sept.** Cagliari, Italy
5th Int. Conf. on Ternary and Multinary Compounds
G. Mula, Istituto di Fisica dell'Università,
Via Ospedale 72, I-09100 Cagliari
Ab: 15.4.82 / PP / 150
- 16-22 Sept.** Upton, L.I., NY, USA
5th Int. Symp. on High Energy Spin Physics
Mrs. A. Sell, Bldg. 911 B Brookhaven Nat. Lab. Upton,
NY 11973
- 20-22 Sept.** Berlin (West)
10th IMEKO Symp.: Photon Detectors and their Use in
Industry and Science
J. Krochmann, Inst. f. Lichttechnik, TU Berlin,
Einsteinufer 19, D-1000 Berlin 10
A: 1.8.82 / Ab: 1.5.82 / PP: 20.9.82 / Engl. / DM 250.—
- 21-24 Sept. Villafranca del Penedes, Spain**
**14th Europhysics Conf.: Polymer Crystals
— Structure and Morphology**
F.J. Balta Calleja, Instituto de Estructura
de la Materia, Serrano, 119, Madrid 6
A: Jan. 82 / Ab: March 82 / SFr. 200.—
(IOM), 150.— (students), 250.— (others)
- 21-24 Sept. Warsaw, Poland**
**Europhysics Conf. on Computing in Acce-
lerator Design and Operations**
R. Zelazny, Inst. of Nuclear Research,
PL-05-400 Otwock-Swierk
A: 1.5.82 / Ab: 1.2.82 / PP / 250 / inv. /
approx. SFr. 200.— inc. proc.
- 22-24 Sept.** Oxford, UK
Magnetic Resonance in Solids
J.M. Baker, Clarendon Lab., Parks Road, Oxford
A: 24.8.82 / Ab: 10.7.82
- 26 Sept. - 1 Oct.** East Lansing, MI, USA
Int. Conf. on Nucleus-Nucleus Collisions
D.K. Scott, Nat. Superconducting Cyclotron Lab.,
Michigan State Univ., East Lansing, MI 48824
IUPAP
- 27 Sept. - 1 Oct.** Baden-Baden, FRG
8th European Conf. on Thermophysical Properties
H.E. Schmidt, Chairman 8 ETPC,
Postfach 2266, D-7500 Karlsruhe 1
- 27 Sept. - 1 Oct.** Gothenburg, Sweden
SEAS Anniversary Meeting
C.J.M. Aarts, SEAS Headquarters, Toernooiveld,
NL-6525 ED Nijmegen
A: 1.9.81 / Ab: 15.5.82 / PP: 1.9.82 / hFl. 900.—
- 27 Sept. - 1 Oct.** Paris, France
36th Int. Meeting: Physical Chemistry of Transmem-
brane Ion Motions
C. Troyanowski, Soc. de Chimie Physique,
10 rue Vauquelin, F-75231 Paris Cedex 05
A: 15.9.82 / Ab: 31.1.82 / PP: 27.9.82 / 250 /
Engl., French
- 4-8 Oct.** Dubrovnik, YU
4th Int. Meeting on Radiation Processing
V. Marković, Lab. of Solid State Physics and Radiation
Chemistry 030, Boris Kidrić Inst. of Nuclear
Science, Vinca, POB 522, YU-11001 Belgrade
- 6-10 Oct.** Osaka, Japan
Int. Conf. on Nuclear Physics in Cyclotron Energy
Region
M. Kondo, Research Centre for Nuclear Physics,
Osaka University, Yamada-Kami, Suita-shi,
Osaka 565
- 12-14 Oct.** Atlanta, CA, USA
14th Nat. SAMPE Technical Conf.
M. Smith, SAMPE, 668 South Azusa Ave., Box 613,
Azusa, CA 91702
Ab: 1.2.82 / P: 1.7.82
- 14-16 Oct.** Amherst, MA, USA
Meeting of Nuclear Physics Division (APS)
The American Physical Society, 335 East 45th Street,
New York, NY 10017
- 18-22 Oct.** Tucson, AZ, USA
Annual Meeting of Optical Society of America
J.W. Quinn, Optical Soc. of America, Suite 620,
1816 Jefferson Place, N.W., Washington, DC 20036
- 28-30 Oct.** College Park, MD, USA
Meeting of Div. of Particles and Fields (APS)
G.A. Snow, Dept. of Physics, Univ. of Maryland,
College Park, MD 20742
- 1-5 Nov.** New Orleans, LA, USA
Meeting of Plasma Physics Division (APS)
The American Physical Society,
335 East 45th Street, New York, NY 10017
- 9-12 Nov.** Pretoria, Rep. of S. Africa
Materials Development 1982
J.B. Clark, CSIR, POB 395, Pretoria, South Africa 0001
IUPAP
- 21-23 Nov.** New Brunswick, NJ, USA
Meeting of Fluid Dynamics Division (APS)
The American Physical Society,
335 East 45th Street, New York, NY 10017
- December** La Martinique, F
Physics and Chemistry of Synthetic and Organic Metals
R. Comes, Lab. de Physique des Solides,
Univ. de Paris Sud, Bât. 510, F-91405 Orsay
IUPAP
- 14-17 Dec.** Antibes, France
5th Int. Conf. on Analysis and Optimization of Systems
INRIA, Domaine de Voluceau, Rocquencourt,
F-78153 Le Chesnay Cedex
PP: 31.3.82

24-27 Jan. New York, NY, USA
General Meeting of American Physical Society
American Physical Society,
335 East 45th Street, New York, NY 10017

February Marseilles, France
7th Int. Conf. on Infrared and Millimetre Waves
R. Coulon, Fac. St. Jérôme, F-13397 Marseille Cedex 13
Ab: 15.9.82 / IUPAP

8-20 Feb. Adelaide, Australia
Colloquium:
Mathematical Physics and Developing Countries
C.A. Hurst, Dept. of Mathematical Physics, Univ. of
Adelaide, South Australia 5000
IUPAP

21-23 March Santa Fé, NM, USA
Particle Accelerator Conference
E.A. Knapp, Los Alamos Scientific Lab.,
Los Alamos, NM 87545

28-30 March Lausanne, Switzerland
General Conference of EPS Condensed Matter Division
E. Mooser, Institut de Physique Appliquée,
EPFL - Ecublens, CH-1015 Lausanne

April Copenhagen, Denmark
Annual Meeting of European High Pressure Research
Group: Organic Chemistry and Biology under
Pressure
B. Andersen, Phys. Chem. Inst., Univ. of Copenhagen,
Chem. Lab. IV, Universitetsparken 5,
Copenhagen Ø
NP / 150 / English

6-8 April Paris, France
2nd World Conf. on Continuing Engineering Education
N. Krebs Ovesen, Danish Engineering Academy,
Bldg 373, DK-2800 Lyngby, Denmark
UNESCO

6-9 April Philadelphia, PA, USA
Int. Magnetism Conference (INTERMAG)
C.D. Graham, INTERMAG 83, c/o Institute of Electrical
and Electronics Engineers,
345 E. 47th Str., New York, NY 10017

7-12 April Wrocław, Poland
Int. Conf. on Cryogenic Fundamentals
B. Stalinski, Inst. for Low Temperature and Structure
Research, Polish Acad. of Sciences,
pl. Katedralny 1, PL-50-350 Wrocław

12-14 April Anaheim, CA, USA
SAMPE Spring Symposium and Exhibition
M. Smith, SAMPE, 668 South Azusa Ave., Box 613,
Azusa, CA 91702

18-20 April Coventry, UK
Intramolecular Kinetics
J.P. Simons, Chemistry Dept., Univ. of Nottingham,
Nottingham NR7 2RD
A: March 83 / Ab: 31.5.82 / PP: 15.12.82 / 200

18-21 April Toulouse, France
3rd Int. Symp. on the Science and Technology of
Light Sources
J.J. Damiencourt, Centre de Physique Atomique,
Université Paul Sabatier, 118 route de Nar-
bonne, F-31062 Toulouse Cedex
A: 1.1.83 / Ab: Oct. 82 / PP: 30.12.82 / FF 900. —
incl. proc.

23-25 May San Diego, CA, USA
Int. Conf. on Plasma Science
J. Luxton, General Atomic Co., POB 81608,
San Diego, CA 92138

28-30 June Bangor, UK
3rd Int. Conf. on Magnetic Fluids
J. Popplewell, School of Physical and Molecular Scien-
ces, Univ. Coll. of North Wales, Bangor,
Gwynedd LL 57 2 UW

July Zaragoza, Spain
15th EGAS Conference
E. Bernabeu, University, E-Zaragoza

20-27 July Brighton, UK
Int. Europhysics Conf. on High Energy Physics
J.M. Charap, Dept. of Physics, Queen Mary College,
Mile End Road, London E1 4NS

31 July - 4 Aug. New York, NY, USA
25th Annual Meeting: American Assoc. of Physicists in
Medicine
American Assoc. of Physicists in Medicine,
111 E. Wacker Drive, Chicago, IL 60601

August Florence, Italy
Int. Conf. on Nuclear Physics
P. Blasi, Istituto di Fisica, Univ. di Firenze,
Largo Enrico Fermi 2, I-50125 Firenze
IUPAP

August Boulder, CO, USA
Cryogenic Engineering Conference
Mrs. D. Belsher, CEC, National Bureau of Standards,
1-4001, 325 Broadway, Boulder, CO 80303
A: July 83 / Ab: Feb. 82 / PP: Aug. 82 / 600

8-12 Aug. Jerusalem, Israel
7th Int. Conf. on Vacuum Ultraviolet Radiation
Physics
I.T. Steinberger, Racah Inst. of Physics,
Hebrew University, Jerusalem
A: Spring 83 / P: Spring 83 / 400 /
approx. US \$ 130. — incl. proc.

8-12 Aug. Liège, Belgium
8th European Crystallographic Meeting
L. Dupont, Univ. de Liège, Inst. de Physique B5,
Crystallographie, B-4000 Liège
A: 31.5.83 / Ab: 31.3.83 / NP: 31.3.83 / English

29 Aug. - 3 Sept. Düsseldorf, FRG
16th Int. Conf. on Phenomena in Ionized Gases
(ICPIG - XVII)

**K. Suchy, Inst. f. Theor. Physik II,
Universität Düsseldorf,
Universitätsstr. 1, D-4000 Düsseldorf 1**
PP: 15.4.83 / 500 / approx. DM 220. — incl. proc.

September Isle of Crete, Greece
Nuclear Magnetic Resonance
F. Milia, Nuclear Research Centre "Democritos",
Aghia Paraskevi Attikis

September Karlsruhe, FRG
Few-Body Problems in Physics
B. Zeitnitz, Kernforschungszentrum Karlsruhe,
Inst. f. Kern- und Teilchenphysik,
Postfach 3640, D-7500 Karlsruhe
IUPAP

September Geneva, Switzerland
IAU Symp.: Observational Tests of the Stellar Evolution
Theory
A. Maeder, Geneva Observatory, CH-1290 Sauverny

September Vienna, Austria
Electronic Structure and Properties of Rare Earth and
Actinide Intermetallics
Dr. Hilscher, Inst. of Exp. Physics,
Tech. Univ. of Vienna, A-1040 Vienna

5-9 Sept. Aachen, FRG
11th European Conf. on Controlled Fusion and Plasma
Physics
G.H. Wolf, Kernforschungsanlage Jülich GmbH, Inst. f.
Plasmaphysik, Postfach 1913, D-5170 Jülich 1

12-16 Sept. Stuttgart, FRG
7th Int. Conf. on Crystal Growth
K.W. Benz, Secretary ICCG-7, Kristall-Labor, Physika-
lisches Institut der Universität, Pfaffenwaldring 57,
D-7000 Stuttgart - 80
IUPAP

25 Sept. - 1 Oct. Torremolinos (Malaga), Spain
5th European Meeting on Ferroelectricity EMF 5
B. Jimenez, Centro de Fisica Aplicada, «Leonardo
Torres Quevedo», Serrano 144, E-Madrid 6
A: 31.5.83 / P: 31.5.83 / 500 / US \$ 100. —

26 Sept. - 1 Oct. Madrid, Spain
9th International Vacuum Congress (IVC-9)
5th Int. Conf. on Solid Surfaces (ICSS-5)
Secretariat, Int. Union for Vacuum Science, Technique
and Applications (IUVSTA), 47 Belgrave Square,
London SW1X 8QX, UK

Schools 1982

15-28 Feb. Karpacz, Poland
19th Winter School of Theor. Physics:
Phase Transitions and Disordered Systems
A. Pekalski, Inst. of Theor. Physics, Wrocław Univ.,
Cybulskiego 36, PL-50-205 Wrocław
A: 15.11.81 / 80 / US \$ 250. —

25 Feb. - 6 March Schladming, Austria
21st Int. Universitätswochen f. Kernphysik:
Electroweak Interactions
Organizing Committee, Inst. Theor. Physics,
Universitätsplatz 5, A-8010 Graz
A: 10.2.82 / PP / 150

15-20 March Champoussin, Switzerland
Winterschool: Lasers and Industrial Applications
M. Matthey, P.O. Box Malley, CH-1000 Lausanne 16
PP / 80 / Engl., French

15-24 March Erice, Italy
Int. School of Applied Geophysics:
Integration of Geophysical and Geological Data for
Regional Exploration
R. Cassinis, Cattedra di Fisica Terrestre,
Via G.B. Viotti 3/5, I-20133 Milan

27 March - 8 April Erice, Italy
Int. School of Nuclear Physics: Collective Bands in
Nuclei
Sir Denys Wilkinson, Univ. of Sussex, Falmer,
Brighton, BN1 9RH, UK
A: 16.2.82 / US \$ 500. — incl. full board

29 March - 10 April Les Houches, France
Statistical Mechanics of Ionic Matter
M. Baus, Chimie-Physique II, C.P. 231, Université
Libre de Bruxelles, B-1050 Bruxelles
A: 1.2.82 / 60 / FF 1100. —

14 April - 18 June Trieste, Italy
Spring College on Amorphous Solids and the Liquid
State
International Centre for Theoretical Physics, POB 586,
I-34100 Trieste

19-30 April Les Houches, France
Spring School: Plastic Deformation of Amorphous and
Semi-Crystalline Materials
C. G'sell, Physique des Solides, Ecole des Mines,
Parc de Saurupt, F-54042 Nancy Cedex
70

9-16 May Erice, Italy
Int. School of Physics of Exotic Atoms: Physics around
LEAR with Low Energy Cooled Antiprotons
G. Torelli, INFN, Via Vecchia Livornese,
I-56010 San Piero a Grado, Pisa

20 May - 1 June Erice, Italy
Int. School of Cosmology and Gravitation: Unified Field
Theories of More than 4 Dimensions including
Exact Solutions
V. de Sabbata, Ist. di Fisica dell'Università,
Via Irnerio 46, I-40126 Bologna
A: 10.2.82 / SFr. 1200. —

25-30 May Wiezyca nr. Gdansk, PL
2nd Spring School:
Acousto-Optics and its Applications
A. Sliwinski, Institute of Physics, University of Gdansk,
ul. Wita Stwosza 57, PL-80-952 Gdansk
A: 31.3.82 / 80 / US \$ 200. —

June - Sept. Trieste, Italy
Research Workshop in Condensed Matter Physics
International Centre for Theoretical Physics,
POB 586, I-34100 Trieste

2-21 June Les Houches, France
Spring School: Gravitational Radiation
N. Deruelle, Physique Théorique, I.H.P.,
11 rue P. et M. Curie, F-75231 Paris Cedex 05
PP / 66 / FF 1500. —

7-16 June Erice, Italy
Int. School of Crystallography: Crystallography of
Molecular Biology
T.L. Blundell, Dept. of Crystallography,
Birkbeck College, Malet Str., Univ. of London,
London WC1E 7HX
A: 31.12.81 / SFr. 1000. —

- 14-20 June** Portoroz, Yugoslavia
7th AMPERE Int. Summer School: New Techniques in Magnetic Resonance
M. Vilfan, AMPERE School Organizing Comm., J. Stefan Inst., Jamova 39, YU-61000 Ljubljana 100 / US \$ 100.—
- 20-30 June** Erice, Italy
Int. School of Cosmic Ray Astrophysics: Composition and Origin of Cosmic Rays
M.M. Shapiro, Dept. of Physics and Astronomy, Van Allen Hall, Iowa City, IA 52242
- 21 June - 10 July** Cali, Colombia, S. America
Latin American School of Physics ELAF-82: Stochastic Processes in Physics
ELAF-82, Facultad de Ciencias, Univ. de Los Andes, Apartado Aéreo 43116, Bogotá, Colombia
A: 15.2.82 / Ab: 1.5.82
- 28 June - 29 July** Les Houches, France
Les Houches Summer School: New Trends in Atomic Physics
R. Stora, Theory Div., CERN, CH-1211 Geneva 23, Switzerland
A: 1.3.82 / PP / 50 / inv. / Engl., French / approx. FF 2700.— incl. acc. and proc.
- 1-12 July** Lake George, NY, USA
Advanced Study Institute on Techniques and Concepts of High Energy Physics
T. Ferbel, Fermilab, Mail Station 888, POB 500, Batavia, IL 60510
- 1-15 July** Erice, Italy
Int. School of Material Science and Technology (M. Balkanski): Physics and Physical Chemistry of Fast Ion and Mixed Conductors
B. Sapoval, Lab. de Physique de la Matière Condensée, Ecole Polytechnique, F-91128 Palaiseau Cedex
A: 1.6.82 / 70 / US \$ 600.— incl. acc. and proc.
- 3-15 July** Erice, Italy
Int. School of Low Temperature Physics: Advances in Superconductivity
T. Regge, Ist. di Fisica dell'Università, Corso Massimo d'Azeglio 46, I-10125 Torino
- 12-16 July** Kyoto, Japan
Kyoto Summer Inst. on Microscopic Theory of Nuclear Collective Motion
T. Suzuki, Research Inst. for Fundamental Physics, Kyoto Univ., Kyoto 606
- 16-25 July** Erice, Italy
Int. School of Climatology: Climate Energy and Society
A. Longhetto, Lab. di Cosmo-Geofisica del CNR, Corso Fiume 4, I-10133 Torino
A: 31.5.82
- 19-31 July** Cargèse, France
Cohesive Properties of Semiconductors under Laser Irradiation
L.D. Laude, Université de l'Etat, Av. Maistrau 23, B-7000 Mons
A: 1.5.82 / PP / 90 / inv. / US \$ 50.—
- 1-13 Aug.** Äkäslompolo, Finland
Arctic School of Physics: Tomorrow's Gauge Theories
J. Lindfors, Research Inst. for Theor. Physics, Siltavuorenpenger 20 C, SF-00170 Helsinki 17 80 / English
- 2 Aug. - 10 Sept.** Les Houches, France
Les Houches Summer School: Recent Advances in Field Theory and Statistical Mechanics
R. Stora, Theory Div., CERN, CH-1211 Geneva 23, Switzerland
A: 1.3.82 / PP / 50 / inv. / Engl., French / approx. FF 3200.— incl. acc. and proc.
- 3-14 Aug.** Erice, Italy
Int. School of Subnuclear Physics — Gauge Interactions: Theory and Experiments
A. Zichichi, CERN, CH-1211 Geneva 23
A: 20.7.82 / SFr. 1000.—
- 9-22 Aug.** Bad Windsheim, FRG
Methods in Computational Molecular Physics
S. Wilson, Dept. of Theor. Chemistry, Univ. of Oxford, Oxford OX1 3 TG, UK
A: 31.3.82 / 55 / DM 1300.— full board
- 10-14 Aug.** Vienna, Austria
Int. School on Electron Microscopy of Magnetic Materials
J. Fidler, Inst. f. Angew. Phys., TU Vienna, Karlsplatz 13, A-1040 Vienna
A: 1.3.82 / PP / 120 / AS 5000.— all incl.
- 16-27 Aug.** Stanford, CA, USA
SLAC Summer Institute on Particle Physics
Ann Mosher, Mail Bin 62, Stanford Linear Accelerator Center, Stanford, CA 94305
A: 15.5.82 / PP / 300 / inv.
- 16-28 Aug.** Dronen, The Netherlands
Int. Summer School on Nuclear Structure
Bureau Congressen, Ministry of Education and Science, R.O. van Ravenswaay, Nieuwe Uitleg 1, NL-2514 BP The Hague
A: 30.4.82 / PP / 100 / hFl. 900.—
- 29 Aug. - 11 Sept.** Zinal, Switzerland
1982 CERN School of Computing
Mrs. I. Barnett, Scientific Conference Secretariat, CERN, CH-1211 Geneva 23
A: 30.4.82 / 80 / SFr. 1100.— all. incl.
- 30 Aug. - 10 Sept.** Brasov, Romania
Int. Conf. and School: Lasers and Applications
I.A. Dorobantu, Central Inst. of Physics, POB MG-6, Romania
A: 1.8.82 / Ab: 15.6.82 / PP: 1.8.82 / 500 / Engl., Russian / Conf. & School: SFr. 180.— IOM; 200.— mbrs. nat. Soc.; 250.— others
- 1-12 Sept.** Bechyně, CSSR
Summer School on Hyperfine Interactions
M. Finger, Charles University, Mathem. & Phys. Faculty, CS 18000 Prague 8 - Pelc Tyrolka
- 5-18 Sept.** Cambridge, UK
1982 CERN School of Physics
Miss D.A. Caton, Scientific Conference Secretariat, CERN, CH-1211 Geneva 23, Switzerland
A: 8.4.82 / 85 / £ 250.— all incl.
- 6-17 Sept.** Bad Honnef, FRG
DPG Sommerschule für Physik
J. Debrus, Physikzentrum Bad Honnef, Hauptstr. 5, D-5340 Bad Honnef
A: 2.8.82 / 50 / inv. / German
- 13-17 Sept.** Matrafüred, Hungary
Int. School on Defect Complexes in Semiconductor Structures
I.C. Szépl, Research Inst. for Technical Physics, PF 76, H-1325 Budapest
A: 1.12.81 prel. / Ab: 1.12.81 / PP / 150 / inv. / Engl. / approx. US \$ 150.— all incl.
- 13-23 Sept.** Erice, Italy
Int. School of Energetics: Energy and Development — Interactions and Constraints
F. Amman, Ist. di Fisica Applicata dell'Università, Via A. Bassi 6, I-27100 Pavia
- 17-26 Sept.** Varna, Bulgaria
Int. School on Condensed Matter Physics (ISCMP): Interaction of Solids with Optical and Acoustic Waves
M. Borisov, Institute of Solid State Physics, Blvd. Lenin 72, 1184 Sofia, Bulgaria
A: 30.4.82 / PP / 80 / Engl., Russian / US \$ 60.—
- 23 Sept. - 3 Oct.** Erice, Italy
Int. School of Quantum Electronics: Physics and Technology of Analytical Laser Spectroscopy
S. Martellucci, Istituto di Fisica, Facoltà di Ingegneria, Piazzale Vincenzo Tecchio 80, I-80125 Napoli
A: 30.6.82 / PP / 80 / US \$ 450.— all incl.
- 4-14 Oct.** Erice, Italy
Int. School of Meteorology of the Mediterranean: Radar Meteorology
A. Nania, Centro Nazionale di Meteorologia e Climatologia, Aeronautica Militare, ETAV, Piazza degli Archivi 34, I-00544 Rome

1983

21-30 June Bechyně Castle, CSSR
5th Summer School on Computing Techniques in Physics: Data Bases and Data Structures in Physics
J. Nadrchal, Institute of Physics, Czechoslovak Academy of Sciences, Na Slovance 2, CS-180 40 Praha 8
A: 31.1.83 / P: 30.11.82 / 120 / SFr. 200.—

3-10 Sept. Riederalp, Switzerland
5th Int. Summer School on Crystal Growth (ISSCG-5)
H. Arend, ISSCG-5, Laboratorium f. Festkörperphysik, Eidg. Technische Hochschule, CH-8093 Zurich

The EPS Secretariat will be closed for holidays from 24.12.81 to 3.1.82.

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