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OFFICE OF NAVAL RESEARCH
LONDON

EUROPEAN SCIENTIFIC NOTES

ESN Supplement

10 March 1967



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**EUROPEAN SCIENTIFIC NOTES
OFFICE OF NAVAL RESEARCH
LONDON**

Edited by J.E. Rasmussen and Victoria S. Hewitson

10 March 1967

Supplement

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Prepared by the Scientific and Technical Staff.
Submitted by A.W. Pryce.


J. V. CARTER
Commander, USN
Acting Commanding Officer

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SUMMARY OF EUROPEAN SCIENCE - 1967

Over the past several months, the Editors of ESN have been considering ways in which the vast fund of background knowledge on European science and scientists which exists in ONRL could best be utilized to assist our US colleagues in planning visits. While most traveling US scientists are familiar with the groups they will visit, in a surprising number of cases this is not true.

In this supplementary issue of ESN, an attempt is made to supply tips and information which will assist in making visits more meaningful. It should be emphasized that this material is intended to be a supplement rather than a substitute for information normally obtained from travel agents and sponsoring government agencies. The miscellaneous comments cover points which, in the experience of this office, frequently create problems or obstacles for the visiting scientist. In addition, information is given on holidays in the more frequently visited countries, international and national professional meetings which have been announced as of 1 February 1967, a bibliography of ONRL technical reports, and a list of ESN articles over the past year covering European laboratories.

The ONRL technical reports provide an unusually complete coverage of a wide range of scientific disciplines here in Europe, organization and programs of laboratories, and work of individual scientists. These reports may be of value in giving a background and/or historical perspective on the work of a given group before a visit is made. While the ESN articles tend to be more general, they also should be of value in this regard. The reports are listed by year of publication and discipline; copies may be obtained from the Defense Documentation Center, Cameron Station, Alexandria, Virginia, 22314.

As a rule, additional international meetings are announced in the "News and Notes" section of ESN as the year progresses. The list contained here will be supplemented in one of the later issues of ESN. In the event this special issue of ESN proves to be of value to the US scientific community, it will be updated and published annually. (The Editors)

MISCELLANEOUS NOTES

VISITS TO FOREIGN GOVERNMENT AND MILITARY SPONSORED LABORATORIES

One of the most common problems encountered by US scientists visiting Europe, including ONR contractors, is that of official clearance to visit military and/or government-sponsored laboratories. Requirements for visit notification and security clearance vary from one country to another, according to the professional affiliation of the visitor and the status of the laboratory being visited. These comments are intended only to alert visitors to the security requirements and serve as a crude guide. When trips are being made under the sponsorship of a government agency, and foreign government or military laboratories will be visited, it is recommended that the requirements for security clearance and/or foreign visit approval be clearly ascertained from the sponsoring agency.

In the case of visitors to university and private laboratories, no formal government clearance is necessary (unless classified research projects will be discussed). Visitors, including University contractors, whose trip is sponsored by the US Department of Defense always require formal clearance for visits to foreign military laboratories. The US agency sponsoring the visit is responsible for initiating the clearance. Unfortunately, experience has shown that this requirement is overlooked with sufficient frequency as to warrant specific mention here. Thus, it is suggested that this issue be specifically raised with the sponsoring organization in planning visits. Visit notices should be initiated approximately six weeks in advance, so as to permit at least 30 days' advance notice to the Defense Attache of the US Embassy in the country concerned. In France 35 days advance notice, from the time the visit clearance request arrives in Paris, is required. The Italian government requires 45 days' advance notice.

At the risk of being redundant, it should be emphasized that security clearance must be obtained, even if the visit is of an unclassified nature. Failure to adhere to the clearance requirements, including the specific lead time requirement, has on occasion resulted in a visitor being refused admittance to a laboratory even though he has already arrived in Europe. While ONR London is charged with the responsibility for obtaining clearances in the case of Navy-sponsored visits to laboratories in the UK, this office does not possess the required authority to obtain clearances for visits in other countries. Of necessity, clearances for such visits must be cleared through the Naval Attache of each country concerned.

THE EUROPEAN SCIENTIST AND HIS SUMMER VACATION

As a general rule European scientists live and work somewhat differently from their US colleagues. One of the most striking differences is with regard to summer vacation. In Scandinavia, July is the month of summer vacation. Many organizations actually close their doors for the entire month, others operate with a skeleton force. To a lesser extent the same situation prevails in other European countries, with August being the vacation month in France and Great Britain. Because scientists' vacations on this side of the ocean generally are longer than in the States, it is well to check far in advance of making a trip to ensure that the laboratory will be in full operation when the visitor arrives.

THE VISITING AMERICAN SCIENTIST AS SEEN BY HIS EUROPEAN HOST

The message which follows admittedly is rather delicate. However, with the passing of time it becomes increasingly clear that it should be communicated. Over the past several years personal contact between scientists has become a critically important factor in scientific progress. With the proliferation of international research activity, increasing publication lags, and rapidity of technical developments, visits to foreign universities and laboratories are no longer merely desirable, such interchanges are rapidly becoming mandatory. There are two sides to this coin, however, and it is to the "other" side that these remarks are addressed.

Over the years the staff of this office has at times been amused and at other times amazed as they sit on the sideline and watch the stream of visiting scientists flow back and forth across the Atlantic Ocean. It is difficult for the average American, who has not been exposed to a similar perspective, to realize the number of his colleagues who visit European laboratories each year. Even more interesting are the techniques which the European laboratories have adopted in order to cope with the stream of visitors.

At the risk of over-generalizing (and with tongue only partially in cheek), it might be safe to say that there is a correlation between the specific European laboratories visited by Americans and the tourist attractions of the area in which they are located. For example, laboratories in Stockholm, metropolitan and historic sections of England, Paris, and Rome appear to have far more appeal and "importance" than do equally sophisticated institutes in relatively isolated and uninteresting areas. Without question, the laboratories and work in many of the metropolitan centers is superb and well worth a visit. At the same time, there is a surprising frequency of visits to laboratories where the work holds little relevance to the visitor's own professional interest and expertise.

One laboratory is understood to cope with this problem in a rather interesting fashion. A scale has been devised in this organization to rate the mutual benefit of the proposed visit. Members of the staff consider the visitor's background and his work and determine the nature of the reception he shall receive. The only thing not considered on this scale is the "importance" or professional position of the visitor. The department chairman from a US university or director of a government laboratory or other dignitary whose work obviously is unrelated to the laboratory in question will be given a 15-minute tour by an assistant. In this way the staff of the laboratory have made it possible for the visitor to carry out his itinerary. At the same time, neither the visitor nor the laboratory staff have devoted time to a discussion which is not truly of interest. Scientists whose work is directly related to the laboratory, so that considerable interaction of mutual benefit is anticipated, are

received with open arms. Other laboratory directors, who feel that the work of their organization can continue in spite of the constant flow of visitors, are more gracious though perhaps less considerate of the visitors and their own time. However, one often wonders whether they have the same table reserved for lunch each day at the most charming or "typical" restaurant in town.

Because of the large number of Americans visiting the better known European laboratories, it is highly important to make appointments well in advance and to keep the appointment, once made. Not only do Europeans in general tend to be more formal with regard to laboratory visits than do their American colleagues, but their staffs are usually much smaller than those in the US. Thus, foreign visitors actually can and often do constitute a significant source of disruption to ongoing research efforts.

Because European scientists on the whole have a surprisingly comprehensive knowledge of the US literature in their discipline, the individual whose work they know usually is well received. However, a person unknown to the laboratory may have a rather strained and short visit with a senior scientist and spend most of his time with graduate students or assistants. Quite possibly he will not be received at all -- particularly during the summer months. This is not a lack of courtesy or a reflection on the character of science in the country involved -- it is a measure of self-protection.

HOTEL ACCOMMODATIONS

Hotels in all major cities throughout Europe and the United Kingdom are very crowded during the tourist season from approximately 1 April to 1 October. Particular difficulty may be encountered in Rome and Spain. Reservations should be made as early as possible, bearing in mind that extensions beyond the specific dates requested are not always possible. Most hotels require a minimum of 48-hours notice of cancellation or a visitor is liable for charges. Additionally, most hotels require notification of late arrival, since they do not normally hold reservations after 6 p.m. Hotel reservations will be particularly difficult to obtain in Denmark between 1 March and 1 October of this year, when the country celebrates its eight-hundredth-year anniversary. The AAA manual Motoring Abroad - Travel Guide to Europe is an excellent guide for selecting hotels. Its descriptions and opinions have proved reliable.

TRAVEL

Frequent air service is available between most European capitals and other large cities. Many countries (England not included) have an airport tax which ranges from \$0.85 to \$3.00, payable in local currency for all flights out of the country. Travelers are wise to ascertain what this tax is upon arrival and insure that they have adequate local currency to pay the tax upon departure. European flights booked in the United States should be reconfirmed as soon as possible after arrival at the first point, and at each subsequent stopover. Once firm reservations are made on a domestic flight in the UK (England, Scotland, and Northern Ireland), they may not be cancelled without payment of a cancellation charge of \$2.80. This charge doubles to \$5.60 if a booking is cancelled within 48 hours of scheduled departure.

Rail travel in the UK, Western Europe, and between the UK and Western Europe is reasonably priced (approximately \$0.06 per mile for first class travel) and its use may be preferable during the winter months when air travel is restricted due to weather conditions. Extra fares are, however, not uncommon on fast trains. Sleepers are available for longer overnight journeys, but should be booked well in advance with the understanding that a charge is made for cancelled sleeper bookings. There are excellent overnight through trains from London to the Continent, Paris and Brussels in particular, which may be preferable to airplanes if one has early morning appointments in these cities. Travel by overnight train with a sleeper is, however, more expensive than air travel. Train travel frequently is faster than by air between Amsterdam-Brussels and Paris-Brussels, in terms of total time elapsed from the center of one city to another.

Hertz and Avis car rental agencies have offices in almost every principal

city in Europe. In most cases cars may be rented in one town and left at another without a drop charge. Credit cards issued in the US are accepted by these agencies in Europe, and all US Government official travelers are entitled to a ten percent discount in Europe, but one must ask for it when renting the car since it is not automatic. Gasoline credit cards however are not accepted. International Driver's Licenses are useful and are required in Spain, Austria, Finland, Greece, Portugal and Turkey.

CURRENCY

There are no restrictions on the amount of US currency or travelers' checks that an American may take in or out of any European country, and exchange facilities are available at most airports and through banks. Many countries have a restriction on the amount of their currency which may be taken out. The American dollar is also accepted by most hotel and business establishments, although one cannot expect the rate to be as good as the official exchange rate. It is suggested you bring \$10 - \$20 in \$1 bills in the event a smaller additional amount of a particular currency is required.

TAXI SERVICE

Taxis are plentiful and reasonably priced in London. It is expected that you will tip the driver between 10% and 15% of what is on the meter. Taxi from central London going outside the six-mile radius are permitted to charge a return fare. There is no set fare from London Airport to town, therefore, negotiate before starting, or, better yet, take the Airline bus. Taxis in Athens have two rates -- one for the city, which is cheaper, and one for the suburbs. The meter ticks faster on the city rate, so listen for the tick. Taxis in most countries use varying methods in computing fares. If going on a reasonably long ride, it is wise to get an estimated price from the driver in advance.

LANGUAGE

Communication in English is possible with most scientists in Europe. However, difficulty occasionally may be encountered with older men in Southern France, Italy, and Germany. A working knowledge of a foreign language, particularly French, is helpful but not essential.

**U.S. SCIENTIFIC ATTACHES IN U.S. MISSIONS
ABROAD AND THEIR REGIONAL RESPONSIBILITIES**

<u>Embassy</u>	<u>Scientific Attache and Deputy</u>	<u>Regional Responsibilities</u>
<u>EUROPE:</u>		
Belgrade, Yugoslavia	Mr. Wilfred F. Declercq (Jan.)	
Bern, Switzerland	Dr. Henri Bader	International Scientific activities at Geneva
Bonn, Germany	Dr. William W. Williams Dr. Norman P. Neureiter	Netherlands Austria
London, England	Dr. Alan Mencher, Acting	Ireland
Moscow, Russia	Mr. Christopher A. Squire (Science Reporting Officer)	
Paris, France	Dr. Edgar L. Piret Mr. Harding Ballough Mr. John Buehler	Belgium, Spain and Portugal
Rome, Italy	Dr. Walter Ramberg	Greece
Stockholm, Sweden	Dr. Clyde L. McClelland Mr. John A. Collins	Finland, Norway, Denmark Iceland
Warsaw, Poland	Mr. Alton L. Jenkins	
U.S. Mission to OECD, Paris	Dr. Philip W. Hemily	OECD Science Program
<u>LATIN AMERICA:</u>		
Buenos Aires, Argentina	Dr. Nathan H. Woodruff	Paraguay, Uruguay and Chile
Rio de Janeiro, Brazil	Dr. Andre C. Simonpietri Mr. James Asper	Colombia, Venezuela, Peru, Bolivia and Ecuador
<u>FAR EAST:</u>		
Canberra, Australia	Dr. Paul A. Siple	New Zealand
Tokyo, Japan	Dr. Robert T. Webber Mr. Howard McElroy	Korea, Philippines, Taiwan and Hong Kong
<u>NEAR EAST AND SOUTH ASIA:</u>		
Cairo, Egypt	Mr. Slator Blackiston, Jr. (Acting)	Lebanon, Syrian Arab Republic and Iraq
New Delhi, India	Dr. Donald L. Fuller	Ceylon
Tehran, Iran	Dr. Herman I. Chinn	Pakistan and Turkey
Tel Aviv, Israel	Mr. Michael G. Kelakos	

BANK HOLIDAYS OF COUNTRIES FREQUENTLY VISITED

January to December 1967

- AUSTRIA - Jan. 6; March 25, 27; May 1, 4, 13, 15; August 15; October 26; November 1; December 8, 25, 26.
- BELGIUM - March 25, 27; May 1, 4, 13, 15; July 21; August 15; November 1, 11; December 25.
- CEYLON - Jan. 1, 3, 10, 13, 18, 25; Feb. 2, 4, 9, 17, 24; Mar. 3, 9, 10, 17, 24, 25, 26; April 2, 9, 13, 14, 17, 24; May 1, 8, 16, 23, 24; June 7, 15, 21, 22, 29, 30; July 6, 14, 21, 29; Aug. 5, 13, 20; Sept. 3, 11, 26; Oct. 3, 11, 18, 25; Nov. 1, 9, 16, 24; Dec. 1, 9, 16, 23, 25, 30, 31.
- CONGO, REPUBLIC OF - (Kinshasha) Jan. 1, 4; May 1; June 30; Aug. 15; Oct. 15; Nov. 1, 11, 17; Dec. 25; (Burundi) Jan. 1; May 1; July 1; Aug. 15; Sept. 18; Oct. 13; Nov. 1; Dec. 15, 25, 27.
- DENMARK - March 23, 24, 27; April 21; May 4, 15; June 5; Dec. 25, 26.
- EGYPT (UAR) - Jan. 7, 12, 13; March 21, 22; April 11, 23, 30; May 1; June 18, 20; July 1, 23.
- ENGLAND,
WALES,
NORTHERN IRELAND AND
REPUBLIC OF IRELAND - Mar. 17 (Ireland only), 24, 27; May 29; Aug. 28; Dec. 25, 26.
- FINLAND - Jan. 6; March 24, 25, 27; May 1, 4, 15; June 23, 24; Nov. 4; Dec. 6, 25, 26.
- FRANCE - Jan. 2; March 24, 27; May 1, 3, 4, 15; July 13, 14; Aug. 14, 15; Oct. 31; Nov. 1; Dec. 25.
- GERMANY (WEST) - Jan. 1, 6; Mar. 24, 27; May 1, 4, 15, 25; June 17; Aug. 15; Nov. 1; Dec. 25, 26.
- GIBRALTAR - Jan. 1; Mar. 24, 27; May 24; June 10; Aug. 28; Dec. 25, 26.
- GREECE - Jan. 6; March 13, 25; April 28; May 1, 15, 25; June 19; Aug. 15; Oct. 28; Dec. 25, 26.
- INDIA - Bangalore: Jan. 13, 14, 26; Mar. 9, 22, 24; Apr. 10, 21; June 21, 30; Aug. 15; Sept. 7; Oct. 2, 3, 11, 12; Nov. 1, 2; Dec. 25; Calcutta: Jan. 13, 23, 26; Feb. 14; Mar. 24; Apr. 15, 21; June 30; Aug. 15, 28; Oct. 2, 3, 9-13, 17; Nov. 1, 17; Dec. 25; Cochin: Jan. 13, 26; Mar. 22, 24; Apr. 14, 21; May 1; June 21, 30; Sept. 14, 15, 21; Oct. 2, 10-12; Nov. 1; Dec. 25; Madras: Jan. 13, 14, 26; Mar. 22, 24; Apr. 10, 14, 21; May 24; June 30; Aug. 15; Oct. 2, 11, 12; Nov. 1; Dec. 25, 30; Mahavashtra: Jan. 13, 26; Mar. 22, 24; Apr. 10, 14, 21, 22; May 1, 11; June 21; Aug. 1, 15, 30; Sept. 4, 7; Oct. 2, 12; Nov. 3, 27; Dec. 25.
- IRAQ - (Approx. dates) Jan. 5, 12, 13, 14; Feb. 8; Mar. 21, 22, 23, 24; Apr. 10, 19; May 1; June 19; July 14; Nov. 18.
- ISRAEL - Jan. 1; Mar. 26, 27; Apr. 25; May 1, 15; June 14; Aug. 15; Oct. 5, 6, 14, 19, 26.

ITALY - Jan. 6; Mar. 27; April 25; May 1, 4, 25; June 2, 29; Aug. 15; Nov. 1;
Dec. 8, 25, 26.

MONACO (PRINCIPALITY) - Jan. 2, 27; Feb. 7; Mar. 2, 24, 27; May 1, 3, 4, 15, 25;
July 13, 14; Aug. 14, 15; Oct. 31; Nov. 1, 20; Dec. 8, 25.

NETHERLANDS - Mar. 24, 27; May 1, 4, 15; Dec. 25, 26.

NORWAY - March 23-25, 27; May 1, 4, 15, 17; Dec. 25, 26.

PAKISTAN - Jan. 6, 12, 13; Mar. 21-23; Apr. 21; June 21; July 1; Aug. 14; Sept.
11; Oct. 27; Dec. 25.

PORTUGAL - Feb. 7; Mar. 23, 24; May 25; June 10, 13, 24; Aug. 15; Oct. 5; Nov. 1;
Dec. 1, 8, 25.

SCOTLAND - Jan. 1; Mar. 24; May 29; Aug. 28; Dec. 25.

SPAIN - Jan. 6; Mar. 24; May 1, 4, 25; June 29; July 18, 25; Aug. 15; Oct. 12;
Nov. 1; Dec. 8, 25.

SWEDEN - Jan. 6; Mar. 24, 27; May 1, 4, 15; June 24; Dec. 25, 26.

SWITZERLAND - Mar. 24, 27; May 4, 15; Dec. 25, 26; in addition to these, various
cities have other holidays.

SCIENTIFIC MEETINGS IN EUROPE 1967

APRIL

- | | | |
|-------|--|-------------|
| 2-8 | European Society of Radiology 1st Congress
Prof. Gros, Hopital Civil
Strasbourg, France | Barcelona |
| 3-5 | Thin Film Conference - Resistive & Dielectric Properties of Thin Films
Meetings Officer, IPPS
47 Belgrave Square
London, S.W. 1, England | Nottingham |
| 3-6 | Chemical Society Anniversary Meetings
General Secretary, Chemical Society
Burlington House
London, W.1, England | Exeter |
| 4-6 | Combustion in Advanced Gas Turbine Systems,
Cranfield International Propulsion Symposium
Dr. I.E. Smith
Dept of Aircraft Propulsion, College of Aeronautics
Cranfield, Bedfordshire, England | Cranfield |
| 4-8 | 19th British Mathematical Colloquium 1967
Dr. A.J. Ellis, Dept. of Pure Mathematics
University College, Singleton Park
Swansea, England | Swansea |
| 5-7 | Conference on "Spark Discharges", IPPS Atomic & Molecular Physics Sub-Committee
Meetings Officer
Institute of Physics & Physical Society
47 Belgrave Square
London, S.W. 1, England | Liverpool |
| 10-14 | Environmental and Human Factors in Engineering
Conference Secretary
Institute of Sound & Vibration Research
The University
Southampton | Southampton |
| 10-15 | International Conference on Electronics & Space
M. Bignier, Chairman of Organizing Committee
Colloque International sur l'Electronique et l'Espace
16 rue de Presles
Paris 15e, France | Paris |
| 11-13 | The Structure and Properties of Liquids
The Assistant Secretary, Faraday Society
6 Gray's Inn Square
London, W.C. 1, England | Exeter |
| 11-13 | Symposium on Decision Making in National Science Policy
The CIBA Foundation
41 Portland Place
London, W.1, England | London |
| 12-13 | Institute of Physics & Physical Society;
Conference on Point defects in Metals
IPPS address above | Reading |

APRIL

13-14	The Teaching of Mathematics in the Training of Physicists The Meetings Officer, IPPS 47 Belgrave Square London, S.W.1, England	Exeter
13-14	Conference on the X-ray Analysis of Biological Materials IPPS, address above	Oxford
14-21	International Congress and Exhibition on Measurement, Control, Regulation and Automation, including Section on Nuclear Measurements & Reactor Control MESUCORA Association 37 Avenue de Breteuil Paris 7e, France	Paris
17-19	Conference on Elementary Particles IPPS, address above	London
17-19	Meeting on Semiconductors, Metals & Magnetics Dr.-Ing. H.H. Burghoff, German Section IEEE Stresemann Allee 21, VDE-Haus 6 Frankfurt/Main 70, Germany	Bad Nauheim
17-20	Symposium on Advances in Extractive Metallurgy Secretary, Inst. of Mining & Metallurgy 44 Portland Place London, W.1, England	London
17-22	3rd International Conference on Cartography c/o Congress Bureau 4 St.-Agnietenstraat Amsterdam-C, Netherlands	Amsterdam
17-20	Physics Exhibition IPPS, address above	London
18-2 May	9th International Hydrographic Conference Vice-Admiral Alfredo Viglieri President of the Directing Committee International Hydrographic Bureau Avenue President J.F. Kennedy Monte Carlo, Monaco	Monte Carlo
19-22	Conference on Semiconductor Device Research Dr.-Ing. H.H. Burghoff German Section IEEE Stresemann Allee 21, VDE-Haus 6 Frankfurt/Main 70, Germany	Bad Nauheim
23-27	4th International Conference on the Science of Ceramics Dr. J. de Jong, Secretary Nederlandse Keramische Vereniging Stieltjesweg 1 Delft, Netherlands	Maastricht
24-26	Conference on Image Detection & Processing IPPS, address above	RRE, Great Malvern Worcs.

APRIL

- 24-29 International Committee of Electrochemical Thermo- Mittenwald,
dynamics and Kinetics Meeting Germany
Dr. M. Fleischmann, Dept. of Physical Chemistry
University of Newcastle upon Tyne
Newcastle upon Tyne, England
- 26-27 Symposium and Exhibition on Noise Melton Mowbray
Production Engineering Research Assoc.
Melton Mowbray, Leics, England

MAY

- 2-6 Annual Meeting of the Société de Chimie Physique Paris
Prof. G. Emschwiller, Secretary-General
10 rue Vauquelin
Paris 5e, France
- 8-10 Static Electrification London
The Meetings Officer, IPPS
47 Belgrave Square
London, S.W.1, England
- 8-11 International Symposium on Molecular Associations Paris
in Biology
Prof. B. Pullman
c/o Institut de Biologie Physico-Chimique
13 rue Pierre Curie
Paris 5e, France
- 16-20 International Colloquium on Solid Inorganic Toulouse
Phosphates
Secretariat, Departement de Chimie Inorganique
Faculte des Sciences, 28 rue des Trente-Six Ponts
31 Toulouse, France
- 17-22 2nd European Symposium on Fresh Water from the Sea Athens
Prof. A.A. Delyannis, Secretariat
P.O.B. 1199, Omonoia, Athens, Greece
- 22-24 Deutsche Gesellschaft für Raketentechnik & Raumfahrt Bordeaux
Theme: Communications Satellite
DGRG, am Glockenbach 12
8 München 5, Germany
- 22-27 Symposium on Oxides of Sulphur in Modern Chemistry Toulouse
Congress Secretariat, Institute of Chemical
Engineering, Univ. of Toulouse
Chemin de la Loge-Empalot
Toulouse, France

JUNE

- 6-9 Symposium on Modern Treatment of Glass Surface Luxembourg
Secretariat, Union Scientifique Continentale
du Verre, 10 Blvd Defontaine
Charleroi, Belgium
- 6-10 10th International Gas Conference Hamburg
Mr. R.H. Touwaide, General Secretary
International Gas Union, 4 Avenue Palmerston
Brussels 4, Belgium

JUNE

- 7-9 Conference on Industrial Physics - The Contribution of Government Sponsored Laboratories
IPPS, The Meetings Officer
47 Belgrave Square
London, S.W.1, England Harrogate
- 12-17 Symposium on the Chemistry & Internal Structure of Synthetic High Polymers
Prof. G. Smets, Laboratory of Macromolecular Chemistry, Univ. of Louvain
99 rue de Namur
Louvain, Belgium Louvain
- 12-19 2nd International Conf. on Solid Compounds of Transition Elements
Mr. J.C. Wildervanck, Lab. of Inorganic Chemistry, State Univ. of Groningen
Groningen, Netherlands Univ. of Twente
Enschede
- 19-23 14th International Scientific Congress on Electronics
Secretariat, Rassegna Internazionale elettronica, nucleare e teleradiocinematografica
Ufficio Congressi, Via Crescenzo 9
Rome, Italy Rome
- 19-23 2nd Journées Internationales d'Etude des Piles a Combustible
Secretariat of the Congress, SERAI
1091 Chaussée d'Alsemberg
Brussels, 18, Belgium Brussels
- 21-29 European Meeting of Chemical Engineering 1967
DECHEMA, Postfach 7746
6 Frankfurt/Main 7, Germany Frankfurt/Main
- 26-1 July 5th International Congress of Chemotherapy
Sekretariat, 5 Internationaler Kongres für Chemotherapie, c/o Wiener Medizinische Akademie
Alserstr. 4
1090 Vienna, Austria Vienna
- 27-2 July 2nd Colloquium on Thin Films
Optikai Akusztikai és Filmtechnikai Egyesület
Szabadság ter 17
Budapest 5, Hungary Budapest

JULY

- Seminar on the Whole Spectrum of Modern Theoretical Physics
International Center for Theoretical Physics
Piazza Oberdan 6
Trieste, Italy Trieste
- 3-5 Meeting on Electron Diffraction - Electron Microscopy & Analysis Group in association with The International Union of Crystallography
IPPS, address above London
- 5-7 Accuracy of Spectroscopic Methods
IPPS, address above Birmingham

JULY

- 7-13 XIV World Dental Congress Paris
Federation Dentaire Internationale
Secretariat General, 22 Avenue de Villiers
Paris 17e, France
- 8-15 Annual Assembly of the International Institute of Welding London
British Organising Committee, Inst. of Welding
54 Princes Gate, Exhibition Road
London, S.W.7, England
- 10-12 International Symposium on Naturally Occurring Phosphoric Esters Newcastle/Tyne
Chemical Society
Burlington House, Piccadilly
London, W.1, England
- 10-12 Astronomical Optics London
The Meetings Officer, IPPS
47 Belgrave Square
London, S.W.1, England
- 11-13 4th Symposium on Special Ceramics Stoke-on-Trent
Mr. B. Popper, British Ceramic Research Assoc.
Queens Road, Penkhull
Stoke-on-Trent, England
- 10-14 Annual Scientific Meeting of the British Medical Association Bristol
Secretary, BMA
Tavistock Square
London, W.C.1, England
- 11-14 2nd International Conference on Magnet Technology Oxford
Technological Information on Magnets associated with
Research in Physics - especially High Energy Physics
Mr. R.C. Pepperell, Conference Secretary
Rutherford High Energy Laboratory
Didcot, Berks, England
- 17-21 Symposium on Solar-Terrestrial Relationships during Solar Minimum Conditions London
Dr. G. de Q. Robin, c/o Scott Polar Research
Institute, Cambridge University
Cambridge, England
- 17-23 5th International Conf. on the Physics of Electronic Leningrad and Atomic Collisions
Organizing Committee for the Conference
A.F. Ioffe Physico-Technical Institute
Leningrad K-21, USSR
- 18-20 Conference on Computer Technology Manchester
Joint Conference Secretariat Institute of
Electrical Engineers, Savoy Place
London, W.C.2, England
- 18-23 1st World Conference on Laser Applications & World Exhibition of Instruments & Laser Techniques Paris
M. Marcel Locquin, Chairman of Organizing Committee
38 avenue George V
Paris 8e, France

JULY

- 23-29 10th Plenary Meeting of the Committee on Space Research London
 Monsieur J. Gazin, Executive Secretary, COSPAR
 55 Blvd Malesherbes
 Paris 8e, France
- 25-27 International Symposium on Solution Properties of Natural Polymers Edinburgh
 Chemical Society
 Burlington House, Piccadilly
 London, W.1, England
- 28-2 Aug Operations Research Around the World Meetings Madrid
 Mr. J.E. Walsh
 System Development Corporation
 Santa Monica, California

AUGUST

- 7-12 XIV International Spectroscopy Colloquium Debrecen,
 Deputy General Secretary, Hungarian Hungary
 Society of Mechanical Engineers
 Szabadság Tér 17
 Budapest V, Hungary
- 14-18 14th International Symposium on Microscopy (MICRO-67) Cambridge,
 McCrone Research Institute England
 451 East 31st Street
 Chicago, Illinois 60616
- 24-28 2nd European Symposium on Marine Biology Espegrend
 Prof. Hans Brattström, Director
 Biological Station, Espegrend
 Blomsterdalen, Norway
- 27-2 Sep. 8th International Conference on Ionization Vienna
 Phenomena in Gases
 Dr. F. Viehböck
 Österreichische Studiengesellschaft für Atomenergie
 Lenaugasse 10
 1082 Venna VII, Austria
- 27-3 Sep. XXIV Conference of International Union of Pure & Applied Chemistry Prague
 Dr. Rudolf Morf, Secretary General of IUPAC
 c/o F. Hoffman-La Roche & Co.
 4002 Basle, Switzerland
- 28-2 Sep. IUTAM Symposium on the Generalized Cosserat Continuum & the Continuum Theory of Dislocation with Applications Stuttgart &
 Prof. E. Kröner, Bergakademie Clausthal Freudenstadt
 Adolf Römerstrasse 2A
 Clausthal-Zellerfeld, Germany
- 30-6 Sep. British Association for the Advancement of Science Meeting Leeds
 BAAS, 3 Sanctuary Buildings
 20 Great Smith Street
 London, S.W.1, England

AUGUST

30-7 Sep. 12th International Congress of Refrigeration
International Institute of Refrigeration
177 Blvd Malesherbes
Paris 17e, France Madrid

SEPTEMBER

4-8 Solid State Devices Manchester
The Meetings Officer, IPPS
47 Belgrave Square
London, S.W.1, England

5-7 Physics of Quasars Manchester
IPPS, address above

5-9 II IUTAM Symposium on Thin Shells Copenhagen
Prof. F. Niordsen, Chairman of Scientific Committee
Technical Univ. of Denmark, Rigensgade 13
Copenhagen K, Denmark

5-9 10th International Congress of Microbiological Standardization Budapest
Mr. E.C. Hulse, c/o Central Veterinary Laboratory
Weybridge, England

10-15 9th European Congress on Molecular Spectroscopy Madrid
Mr. J. Morcillo
c/o Instituto de Chimica-Physica, Seranno 119
Madrid 6, Spain

11-15 3rd International Congress on Ergonomics Birmingham
P.O. Box No. 363
Birmingham 15, England

11-15 International Symposium on Information Theory Athens, Greece
Lt.Col. B.R. Agins (SRMA), AFOSR
1400 Wilson
Arlington, Va. 22209

11-15 Introduction to Static Structural Matrix Analysis Southampton
Conference Secretary, Inst. of Sound & Vibration
Research, Southampton University
Southampton, England

11-15 5th International Congress on Cybernetics Namur
Secretariat, Int'l Assoc. for Cybernetics
Palais des Expositions, Place A. Rijckmans
Namur, Belgium

12-13 Symposium on Heat Treatment Melton Mowbray
Production Engineering Research Assoc.
Melton Mowbray, Leics, England

13-14 High Voltage Insulation in Vacuum London
IPPS, address above

18-23 Stochastic Problems in Underwater Sound Propagation Lerici,
NATO-MARINA ITALIANA Advanced Study Institute La Spezia
Prof. Maurizio Federici, c/o USEA
Via P. Mantegazza nr. 23
San Terenzo (La Spezia), Italy

SEPTEMBER

- 20-22 Stress Analysis in Bio-engineering London
 The Meetings Officer, IPPS
 47 Belgrave Square
 London, S.W.1, England
- 20-22 International Symposium on Surface Phenomena of London
 Metals
 Prof. K.S.W. Sing
 Dept. of Chemistry, Brunel College, Woodlands Ave.,
 London, W.3, England
- 20-23 International Conference on the Use of Radioactive Geneva
 Isotopes in Pharmacology
 Prof. B. Glasson, Pavillon des Isotopes
 20 Boulevard d'Yvoy
 1211 Geneva 4, Switzerland
- 24-30 Deutsche Gesellschaft für Rakententechnik und Belgrade
 Raumfahrt, 18th Int'l Astronautical Congress
 DGRR, am Glockenbach 12
 8 München 5, Germany
- 25-7 Oct. 14th General Assembly of the International Union Zurich
 of Geodesy & Geophysics
 Mr. V.C. Bossart, Sec'y Gen'l of the Assembly
 Neustadtgasse 7
 8001 Zurich, Switzerland
- 26-28 International Conference on the Physics Problem London
 in Reactor Shielding Design
 Mr. P.B.E. Thompson, Assistant Secretary
 British Nuclear Energy Society
 1-7 Great George Street
 London, S.W.1, England
- 26-28 Magnetic Materials & their Applications London
 IPPS, address above
- 29-6 Oct. 4th Int'l Conference on Atmosphere & Space Lucerne
 Electricity, AFCRL, Army, Navy, NSF and NASA Switzerland
 M.B. Gilbert (CRTE)
 Air Force Cambridge Research Laboratories
 L.G. Hanscom Field
 Bedford, Mass. 01731

OCTOBER

- 2-7 32nd Physicists Conference Berlin
 Prof. E. Boersch, c/o Physikalisches Institut
 Technische Universität, Harderbergstr. 34
 Berlin 12, Germany
- 11-14 4th Congress on Material Testing Budapest
 Deputy General Secretary
 Hungarian Society of Mechanical Engineers
 Szabadság Tér 17
 Budapest V, Hungary
- 7-12 15th International Communications Congress Genoa
 Secretariat, Istituto Internazionale delle
 Comunicazioni, Viale delle Brigate Partigiane 18
 Genoa, Italy

OCTOBER

9-18	Meeting of International Council for the Exploration of the Sea ICES, Charlottenlund Slot Charlottenlund, Denmark	Hamburg
8-10	Conference on MF, LF, and VLF Radio Propagation Joint Conference Secretariat Institute of Electrical Engineers, Savoy Place London, W.C.2, England	London
14-25	International Glass Days, 5th Congress General Secretary, c/o Musée du Verre 13 quai de Maastricht Liege, Belgium	Damascus

DECEMBER

7	Interplanetary Spaceflight DGRR, am Glockenbach 12 8 München 5, Germany	Munich
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- ONRL 43-63 A.F. Richards - Notes on the Hydraulics Research Station and Marine Geography, Geology, Geophysics and Meteorology in Britain
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