

IV Amaldi Conference

Symposium on Science, Technology and International Security

Cambridge (UK), 8 - 10 July 1991

PROGRAMME

MONDAY 8 JULY

11 am Assemble at the Master's Lodge, Trinity College, Cambridge

Welcoming Remarks by Sir Michael Atiyah, President of the Royal Society and Master of Trinity.
Introductory Remarks by Sir William Hawthorne, Chairman, Royal Society Group on Scientific Aspects of International Security.

1. The Future of Nuclear Weapons in the New International Context.
Professor W.K.H. Panofsky
Director, Stanford Linear Accelerator Centre, Stanford University, USA

2. The idea of UN Nuclear Forces.
Academician V.I. Goldanskii
Member of Parliament of the USSR
Director, Institute of Chemical Physics, USSR Academy of Sciences, Moscow
Vice Chairman of Soviet Scientists for Global Security

3. The Relationship of the START process to the ABM treaty, and the Future of the Offence/Defence Relationship
Dr S.M. Keeny
President, The Arms Control Association, Washington, USA

pm 4. Use of Nuclear Materials from Dismantled Nuclear Weapons
Ing. U. Farinelli, and Ing. C. Silvi
ENEA - Comitato Nazionale per la Ricerca e lo Sviluppo dell'Energia Nucleare e delle Energie Alternative e Ricerca Energetica: The National Committee for R & D in Nuclear and Alternative Energy

5. Weapons Proliferation and Technology Transfer
Professor F. Calogero
Università degli Studi "La Sapienza" Rome
Secretary of the Pugwash Movement.

6. International Law and the Problems of Technology Transfer and Arms Control
Professor K Ipsen
Department of Civil Law, University of Bochum

7. US Studies in Technology Transfer and Export Controls
Dr M.B. Wallerstein
Staff Officer, US National Academy of Sciences, Washington

TUESDAY 9 JULY

9.30 am Assemble, Master's Lodge, Trinity College

1. The Chemical Weapons Convention, with Particular Reference to Activities not Prohibited under Conversion and Inspection Activities: and the Moral Responsibilities of the Scientific Community

Professor J. Michalski
Centre of Molecular and Macromolecular Studies
Polish Academy of Sciences, Lodz

2. The Draft Chemical Weapons Convention: with particular reference to the positions of Toxins

Professor H. Smith
Professor Emeritus of Microbiology in the University of Birmingham

3. Technical Discussion of the Chemical Weapons Problem, including the Problem of Disposal. Some Differences in the National Positions

Professor P. Doty
Director Emeritus, The Harvard University Centre for Science and International Affairs, USA

4. Q. Proliferation of Chemical Weapons: Some Lessons

Dr T. Stock
Stockholm International Peace Research Institute

pm

5. Indications of Proliferation

Professor J.K. Miettinen
Former President of the Finnish Academy of Science and Letters

6. Relevant Experience of the International Atomic Energy Agency, and its Wider Implications

Dr D. Fischer
Cambridge (former Assistant Director General of the IAEA, Vienna)

7. Quantitative Analyses of Verification Measures

Professor R. Avenhaus
Informatics Faculty, Universität der Bundeswehr, Munich

8. International Security in the New Context with Particular Reference to Europe

Dr C. Kelleher
University of Maryland, USA

9. Orbiting Space Debris. An Operational Hazard

Professor B. Bertotti
Department of Nuclear and Theoretical Physics, University of Pavia

WEDNESDAY 10 JULY

9.30 am Assemble, Master's Lodge, Trinity College

1. Prevention of Biological and Toxin Warfare

Dr E. Geissler
Central Institute for Molecular Biology, Berlin

2. The Duality of Technology. The Relationship between levels of Sophistication of Industrial, Economic and Military Potential

Sir Ronald Mason

Professor of Chemistry, University of Sussex

Visiting Professor of International Relations, University College of Wales, Aberystwyth

3. Arms Transfer and Conversion

Professor G. Salvini, President, Accademia Nazionale dei Lincei

and Dr P.C. Terenzio

pm

4. Cooperation in Science and Technology as a Contribution to International Security

Professor U. Colombo

President of ENEA, Rome, and of the European Science Foundation, Strasburg

5. The Role of National Academies

General Discussions

Arrangements for venues for 1992 and 1993 Amaldi meetings - to be announced

Bids for 1994 venues (to be made to Representatives of the Accademia Nazionale dei Lincei)

15.30

6. Remarks by Sir William Hawthorne

End of Conference