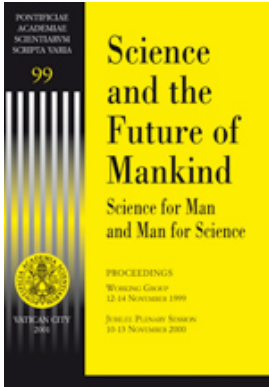




## Science and the Future of Mankind



Working Group 12-14 November 1999

Jubilee Plenary Session 10-13 November 2000

*Scripta Varia* 99

Vatican City, 2001

pp. 527, XV tables

ISBN 88-7761-075-1

### SCIENTIFIC PAPERS

PART I: Science for Man and Man for Science (Working Group)

**Context, Essential Contents of, and Follow-up to, the World Conference on Science Held in Budapest in June 1999** (PDF)

W. Arber

**Technology: between Science and Man** (PDF)

P. Germain

**Spinning Fluids, Geomagnetism and the Earth's Deep Interior** (PDF)

R. Hide

**Mathematics: Recent Developments and cultural aspects** (PDF)

Y.I. Manin

**Science as Utopia** (PDF)

J. Mittelstrass

**From Modern Research in Astrophysics to the Next Millennium for Mankind** (PDF)

G.V. Coyne

**The Role of Tropical Atmospheric Chemistry in Global Change Research: the Need for Research in the Tropics and Subtropics** (PDF)

P. Crutzen

**Which Economic System is Likely to Serve Human Societies the Best? The Scientific Question** (PDF)

E. Malinvaud

**Sustainability: Prospects for a New Millennium** (PDF)

R.H. Raven

**Choice, Responsibility, and Problems of Population** (PDF)

B.M. Colombo

**The Search for Man** (PDF)

J. Marías

**Science Facing the Crisis of Sense** (PDF)

F. Jacques

**The Fight against Disease: Comments Related to “Science for Man and Man for Science” (PDF)**

M. Sela

**Society in the Face of Scientific and Technological Development: Risk, Decision, Responsibility (PDF)**

A. Blanc-Lapierre

**Challenges for Agricultural Scientists (PDF)**

T.-T. Chang

**The Mathematisation of Science (PDF)**

L.A. Caffarelli

PART II: Science and the Future of Mankind (Jubilee Session)

**Light and Matter (PDF)**

C. Cohen-Tannoudji

**The Relationship Between Science, Religion and Aristotelian Theology Today (PDF)**

E. Berti

**Design Versus Selection in Chemistry and Beyond (PDF)**

A. Eschenmoser

**Chemical Design of New Materials (PDF)**

C.N.R. Rao

**Developmental Biology: New Trends and Prospects (PDF)**

N.M. Le Douarin

**Erreur, Correction, Réhabilitation et Pardon (PDF)**

G. Cottier, O.P.

**Logic and Uncertainties in Science and Religion (PDF)**

C.H. Townes

**Natural Theology in the Light of Modern Cosmology and Biology (PDF)**

R. Swinburne

**The Progress of Science and the Messianic Ideal (PDF)**

J.-M. Maldamé

**Creation and Science (PDF)**

W.E. Carroll

**The Transition from Biological to Cultural Evolution (PDF)**

W. Singer

**Earth Sciences: Remarkable Scientific Progress (PDF)**

F. Press

**Global Change and the Antarctic Ozone Hole (PDF)**

M.J. Molina

**Science for Man and Man for Science: the View from the Third World (PDF)**

M. Moshinsky

**Physics in the Last Century and in the Future (PDF)**

R.L. Mössbauer

**The Christological Origins of Newton's First Law** (PDF)

S.L. Jaki

**Colliding Cascades: a Model for Prediction of Critical Transitions** (PDF)

V.I. Keilis-Borok

**Time and Matter – Science at New Limits** (PDF)

A.H. Zewail

**The New World Dis-Order – Can Science Aid the Have-Nots?** (PDF)

A.H. Zewail

**Why and how Physicists are Interested in the Brain and the Mind** (PDF)

M. Oda

**A Millennium View of the Universe** (PDF)

V.C. Rubin

**Recent Trends in the Interpretation of Quantum Mechanics** (PDF)

R. Omnès

**Christ and Science** (PDF)

P. Cardinal Poupard

**On Transdisciplinarity** (PDF)

J. Mittelstrass

**'Illicit Jumps' – The Logic of Creation** (PDF)

M. Heller

**Proposed Declaration on Sciences and Scientists at the Beginning of the Twenty-First Century** Drafted by P. Germain (PDF)

**Study-Document on the Use of 'Genetically Modified Food Plants' to Combat Hunger in the World with an Introductory Note** by President Nicola Cabibbo (PDF)