EUROPEAN REVIEW

INTERDISCIPLINARY JOURNAL OF THE ACADEMIA EUROPAEA

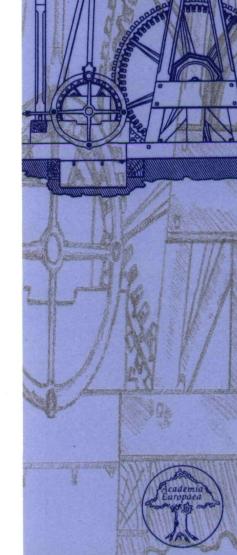
Featuring

Power and Security in Europe by Lawrence Freedman

The Ability to Speak: From Intentions to Spoken Words
by Willem Levelt

Special Focus Section

Science and Technology Assessment







EDITOR-IN-CHIEF

Arnold Burgen
Department of Pharmacology
Tennis Court Road
University of Cambridge
Cambridge, CB2 1QJ
UK

ASSOCIATE EDITORS

Robert Cahn

Cambridge University, Department of Material Sciences and Metallurgy, Pembroke Street, Cambridge, CB2 1QZ, UK

Kjell Härngvist

Sveagatan 9, S413 14 Gothenburg, Sweden

Alexis Jacquemin

16, Avenue Ptolémée, 1180 Brussels, Belgium

Henri Korn

Institut Pasteur, Laboratoire de Neurobiologie Cellulaire, Inserm U.261, 25 rue du Dr Roux, 75015 Paris. France

Ernst Mestmäcker

Max-Planck-Institute fur Auslandisches und Internationales Privatrecht, Mittelweg 187, 2000 Hamburg 13, Germany

Henk Wesseling

Institute for the History of European Expansion, PO Box No 9515, 2300 RA Leiden, The Netherlands

Barbara Wright

Trinity College, Department of French, Arts Building, Dublin, Ireland

AIMS AND SCOPE

The European Review is an Interdisciplinary Review Journal of the Academia Europaea. The contents reflect the broad range of disciplines included within the Academia, as well as its comprehensive European membership. The review will thus include articles covering a wide range of topics written so as to make them accessible to readers from other disciplines. Each issue will include a special section focused on a particular topic. The articles will be by authors mostly located in Europe and some will relate to specifically European questions.

Authorship is in no way restricted to members of the Academia Europaea and the Editors welcome submissions.

ACADEMIA EUROPAEA

The Academia Europaea was established in 1988 to bring together scholars from across Europe, East and West, of all academic disciplines. It has already proved to be an admirable medium for tackling problems on a Europe wide basis and especially on an interdisciplinary basis—bringing together scholars from disciplines that would be unlikely to meet otherwise. It organizes symposia at annual meetings which move around Europe and which have covered subjects like the Rights of Minority Groups, the Image of Science, the Study of the Human Genome, Population Migration, and the Search for Meaning in Contemporary Life. It has also established study groups, the first of which has published its findings in a book on 'Schooling in Contemporary European Society'. Other studies are in progress on Problems of Youth in a Changing Europe, Energy Forecasting, Higher Education, Teaching Science in Schools, Social Aspects of Science Policy, and the Idea of Progress.

It can be seen that the Academia Europaea has a wide perspective and this is reflected in this Review.

The Academia is an independent organization based in London.

Advertising: For details contact-

U.K. and Europe: Michael J. Levermore, Advertisement Sales, John Wiley & Sons Ltd, Baffins Lane, Chichester, Sussex PO19 1UD, England (Telephone 0243 770350).

North America: Dora Castiblanco—Advertisement Supervisor, John Wiley & Sons Inc., 605 Third Avenue, NY 10158 (Telephone 212 850 6289, telex 12-7063, fax 212 850 6088).

To subscribe: European Review: the Interdisciplinary Journal of the Academia Europaea (ISSN 1062-7987) is published quarterly by John Wiley & Sons Ltd, Baffins Lane, Chichester, Sussex, England. 1995 subscription prices: US\$225.00, bona fide personal subscriptions to UK £60.00; elsewhere US\$95.00; Academia Europaea members subscriptions, UK £35.00; elsewhere US\$60.00. Application to mail at second class postage rates at Rahway NJ. Air freight and mailing in the U.S.A. by Mercury Airfreight International Ltd Inc., 2323 Randolph Ave., Avenel, NJ 07001, U.S.A. Orders should be addressed to: Subscriptions Department, John Wiley & Sons Ltd, Baffins Lane, Chichester, Sussex PO19 1UD, England. Copyright © 1995 by John Wiley & Sons Ltd. Typeset in the U.K. by KEYWORD Publishing Services Ltd., London. Printed and bound in the U.K. by BPC Wheatons, Exeter. Printed on acid-free paper.

U.S.A. POSTMASTER: Send address changes to European Review: the Interdisciplinary Journal of the Academia Europeaa c/o Mercury Airfreight International Ltd Inc., 2323 Randolph Ave., Avenel, NJ 07001.

Contents

VOLUME 3 NUMBER 1

JANUARY 1995

Power and Insecurity in Europe L. FREEDMAN	1
The Ability to Speak: From Intentions to Spoken Words W. J. M. LEVELT	13
The European Enlightenment T. FRÄNGSMYR	25
The Pharmacology of Long-Term Memory C. MONDADORI	35
FOCUS—Science and Technology Assessment	
Introduction A. BURGEN	51
An Integrated Approach to Science and Technology Policy: Social and Economic Development in a European Context J. BLONDEL	53
Relationships Between the Social and the Natural Sciences J. E. FENSTAD	61
A Framework for a Sociology of Assessing and Intervening in Technology Development W. A. SMIT	73
New Combinations A. RIP	83
Christopher Columbus' Situation and the Challenge of Understanding Today's Global Environmental Issues U. SVEDIN	93

Indexed or abstracted by 'GEOBASE', 'Geographical Abstracts: Human Geography'

EURREK 3(1) 1-102(1995) ISSN 1062-7987