

VOLUME 1 NUMBER 2 SEPTEMBER 1991

Arabic sciences and philosophy

A historical journal



Cambridge University Press

Downloaded from <https://www.cambridge.org/core>. Tehran University, on 17 Feb 2019 at 09:57:06, subject to the Cambridge Core terms of use, available at <https://www.cambridge.org/core/terms>. <https://doi.org/10.1017/S0957423900001442>

Arabic sciences and philosophy

EDITORIAL COMMITTEE

Basim Musallam (Executive editor)
University of Cambridge
Muhsin Mahdi
Harvard University
George Saliba
Columbia University

Roshdi Rashed (Executive editor)
CNRS, Paris
Jean Jolivet
L'Ecole Pratique des Hautes Etudes, Paris

Ahmed Hasnaoui (Managing editor)
CNRS, Paris

Aline Auger (Editorial secretary)

ADVISORY EDITORIAL BOARD

André Allard
FNRS, Belgium
Charles Butterworth
University of Maryland
Menso Folkerts
University of Munich
Bernard R Goldstein
University of Pittsburgh
Dimitri Gutas
Yale University
Donald R Hill
University College, London
Edward S Kennedy
Princeton, USA
David A King
Goethe-Universität, Frankfurt

Geoffrey E R Lloyd
Darwin College, Cambridge
Michael E Marmura
University of Toronto, Canada
David Pingree
Brown University, USA
A I Sabra
Harvard University, Massachusetts
Richard Sorabji
King's College, London
Nathan Sivin
University of Pennsylvania
Adolph P Youchkevitch
Academy of Sciences of the USSR
Fritz Zimmerman
Oriental Institute, Oxford

SUBSCRIPTIONS. *Arabic sciences and philosophy* (ISSN: 0957-4239) is published twice a year in March and September. Two parts form a volume. The subscription price of a volume (which includes postage) is £48.00 net UK (US \$75.00 in USA and Canada) for institutions; £28.00 (US \$39.00) for individuals ordering direct from the publishers and certifying that the journal is for their personal use. Single parts are £25.00 net in UK (US \$39.00 in USA and Canada) plus postage. Orders, which must be accompanied by payment, may be sent to a bookseller or to the publishers: Cambridge University Press, The Edinburgh Building, Shaftesbury Road, Cambridge CB2 2RU, and in the USA and Canada, The Journals Department, 40 West 20th Street, New York, NY 10011-4211, USA. Copies of the journal for subscribers in the USA and Canada are sent by air to New York to arrive with minimum delay. Second class postage paid at New York, NY, and at additional mailing offices. POSTMASTER: send address changes in USA and Canada to *Arabic sciences and philosophy*, Cambridge University Press, 110 Midland Avenue, Port Chester, New York, NY 10573-9864, USA.

COPYING. This journal is registered with the Copyright Clearance Center, 27 Congress St., Salem, Mass. 01970. Organizations in the USA who are also registered with C.C.C. may therefore copy material (beyond the limits permitted by sections 107 and 108 of US copyright law) subject to payment to C.C.C. of the per-copy fee of \$05.00. This consent does not extend to multiple copying for promotional or commercial purposes. Code 0957-4239/91 \$5.00 + .00.

ISI Tear Sheet Service, 3501 Market Street, Philadelphia, Pennsylvania 19104, USA, is authorised to supply single copies of separate articles for private use only.

For all other use, permission should be sought from Cambridge or the American Branch of Cambridge University Press.

Advertising. Enquiries about advertising in this journal should be sent to the publishers.

© CAMBRIDGE UNIVERSITY PRESS 1991

Arabic Sciences and Philosophy

Volume 1 Number 2 September 1991

CONTENTS

<i>The Contributors</i>	162
<i>Abstracts</i>	163
DONALD HILL Arabic Mechanical Engineering: Survey of the Historical Sources	167
HENRI HUGONNARD-ROCHE L'intermédiaire syriaque dans la transmission de la philosophie grecque à l'arabe: le cas de l' <i>Organon</i> d'Aristote	187
HÉLÈNE BELLOSTA Ibrāhīm ibn Sinān: On Analysis and Synthesis	211
ANDRÉ ALLARD The Arabic Origins and Development of Latin Algorithms in the Twelfth Century	233
GEORGE SALIBA and E. S. KENNEDY The Spherical Case of the Ṭūsī Couple	285

THE CONTRIBUTORS

PROFESSOR ANDRÉ ALLARD, *Research Director, National Fund for Scientific Research, Universities of Louvain and Namur, Rue Basse 5, B-7904, Tourpes, Belgium*

DR HÉLÈNE BELLOSTA, *Centre d'histoire des sciences et de la philosophie arabes, 49 rue Mirabeau, 75016 Paris, France*

PROFESSOR DONALD HILL, *University College, London, UK*

DR HENRI HUGONNARD-ROCHE, *Centre d'histoire des sciences et de la philosophie arabes, 49 rue Mirabeau, 75016 Paris, France*

PROFESSOR E. S. KENNEDY, *American University of Beirut, Lebanon*

PROFESSOR GEORGE SALIBA, *Department of Middle East Languages and Cultures, 604 Kent Hall, Columbia University, New York, NY 10027, USA*