

The Euler-Mayer Correspondence (1751-1755)

Edited by Eric G. Forbes

A translation of thirty-one letters between Tobias Mayer and Leonhard Euler, covering among other subjects the theory of the moon's motion. Professor Forbes has also written an introduction and comprehensively annotated the correspondence.

£4.25

Tobias Mayer's Opera Inedita

**The First Translation of the Lichtenberg Edition of
1775**

Edited by Eric G. Forbes

The 'Opera Inedita' consists of six lectures by Tobias Mayer delivered to the Royal Society of Sciences between 1756 and 1761. They cover thermometry, astronomical observation techniques, solar eclipses, the theory of colours, star cataloguing and the question of whether the solar system was moving through space.

About £5.00

Macmillan

ASTRONOMY & SPACE

Edited by PATRICK MOORE

A new quarterly journal whose first issue appeared in June. It is primarily intended for the amateur astronomer, although it contains substantial original articles of a high standard that will be of interest to the professional. Topical Notes and News are included, with up-to-date commentaries on space exploration and current notes for observers, but the main articles will have a lasting reference value. The principal contributions are illustrated with plates and diagrams, and the journal also contains book reviews.

Volume 1 Number 2

September 1971

Contents: **The Constitution of Saturn**, Gilbert E. Satterthwaite; **Simple Mathematics for Astronomy Examinations**, E. A. Beet; **Space Research Since March 1970**, Geoffrey Falworth; **Binocular Variables**, John W. Macvey; **Construction and Use of a Solar Prominence Attachment**, R. Lane; **The World's Largest Telescope**, Yuri Zenyuk; Book Reviews; Notes and News; The Night Sky. 96 pages.

Subscription £2.50 per annum, single copies 65p

Soviet Rocketry: The First Decade of Achievement

MICHAEL STOIKO, with an introduction by Patrick Moore £3.25
An authoritative and highly readable book illustrated throughout.

Vanguard: A History

CONSTANCE McLAUGHLIN GREEN and MILTON LOMASK, with a foreword by Charles A. Lindbergh £5.25
Smithsonian Institution

This book deals with the origin, development, and results of the first American earth satellite project.

The Large Magellanic Cloud

PAUL W. HODGE and FRANCES W. WRIGHT £10.50
Smithsonian Institution

The first atlas and catalogue developed for this important galaxy.

Mathematical Astronomy for Amateurs

E. A. BEET *coming 24 February, about £1.75*
A clear and simple introduction to how the calculations that form the basis of all astronomical laws and observations are made.

Published by
DAVID & CHARLES · NEWTON ABBOT · DEVON

Science and Civilisation in China

JOSEPH NEEDHAM

Volume IV, Part 3

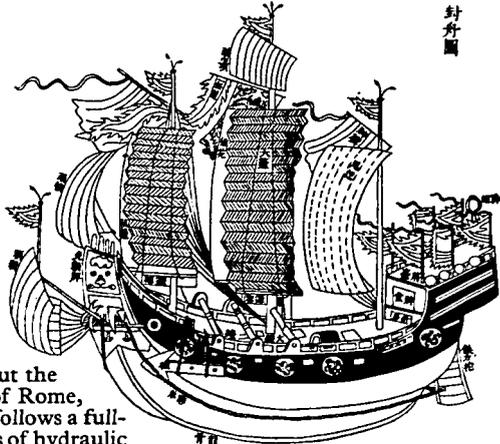
Civil Engineering and Nautics

JOSEPH NEEDHAM, WANG
LING and LU GWEI DJEN

A pioneer study in Chinese civil and hydraulic engineering and nautical technology. Dr Needham writes about the building of a road system like that of Rome, about city-walls and bridges. There follows a full-scale account of the great public works of hydraulic engineering in which the Chinese excelled. In the section on nautical technology Dr Needham discusses the history of China's sailing and ship-building, the types of boats built and how these were used in peace and war.

'The practical importance of Dr Needham's work is as great as its intellectual interest. It is a Western act of "recognition" on a higher plane than the diplomatic one.' *The*

Observer 992 pages 166 pages of plates 4 pullouts £18.00 net



CAMBRIDGE UNIVERSITY PRESS

BURNDY LIBRARY

offers the

HERALDS OF SCIENCE

in which 200 epochal books in the physical and biological sciences are described and illustrated by over 80 engravings. Price \$3.00

BURNDY LIBRARY,
NORWALK, CONN.,
U.S.A. 06852

Those wishing to
advertise in
this *Journal*
should write to

Anthony Merson Ltd
16 Little Common Road
Bexhill-on-Sea
Sussex, England

THE BRITISH SOCIETY FOR THE HISTORY OF SCIENCE

THE objects of the Society are to further the study of the history of science, by holding meetings for the reading and discussion of papers, and by facilitating the publication of relevant material.

The British Journal for the History of Science is the official organ of the Society.

There will generally be a Summer meeting, a Winter meeting and an Easter meeting of the Society. It is intended that additional meetings be arranged for specific occasions such as important anniversaries.

Membership is open to all persons approved by the Council of the Society, and elected at an Ordinary Meeting. The annual subscription is at present £2·50 (for Students £1·50) and includes a free issue of the Society's Journal, which appears in June and December each year.

Those who wish to join the Society should write to the *Assistant Secretary*, British Society for the History of Science, 47 Belgrave Square, London S.W.1.

Papers for inclusion in the Journal should be submitted to the *Hon. Editor*, Dr. R. Fox, Department of History, University of Lancaster, Bailrigg, Lancaster, from whom instructions may be obtained concerning the presentation and documentation of papers. All communications on editorial matters, and books for review, should be addressed to the Hon. Editor.

Particulars regarding advertising in the Journal may be obtained from the *Assistant Secretary*, B.S.H.S., 47 Belgrave Square, London S.W.1.

The British Journal for the History of Science is published by the Society. Four parts constitute one Volume; each part contains approximately 100 pages. The cover of each issue has a consecutive number for ease of collation in subsequent binding, e.g. No. 16 is numbered: Vol. iv Part iv No. 16, and No. 17 is: Vol. v Part I No. 17.

Order Forms, with lists of contents of Parts already published, are obtainable from: *British Journal for the History of Science*, HEADLEY BROTHERS LTD., ASHFORD, KENT, ENGLAND, to whom Orders for the Journal should be sent.

Whole Cloth Binding Cases lettered in Gold on spine and particulars of binding costs may also be obtained from HEADLEY BROTHERS LTD.

THE BRITISH JOURNAL FOR THE HISTORY OF SCIENCE

Volume v Part IV December 1971 No. 20

HODGE, M. J. S.—Lamarck's Science of Living Bodies	323-352
GERSTNER, PATSY A.—The Reaction to James Hutton's use of Heat as a Geological Agent	353-362
BROOKE, JOHN HEDLEY—Organic Synthesis and the Unification of Chemistry—A Reappraisal	363-392
Notes and Communications:	
BRYDEN, D. J.—An Additional Factor in the History of the Centigrade Thermometer	393-396
Essay Review:	
A History of Chemistry	397-399
Book Reviews	400-422
Books Received	423-425
The First Ten Years of the <i>Journal</i>	425
Notes on Contributors	426
Report of the Council	427-429
Financial Statement	430

PUBLISHED BY THE BRITISH SOCIETY FOR THE
HISTORY OF SCIENCE

Registered Office: 47 Belgrave Square, London S.W.1

Brit. J. Hist. Sci. 5 no. 20. Price £1.50. Free to Members of the Society.
Published December 1971

PRINTED IN GREAT BRITAIN BY HEADLEY BROTHERS LTD
109 KINGSWAY LONDON WC2 AND ASHFORD KENT