NOBEL PRIZE TOPICS IN CHEMISTRY

A Series of Historical Monographs on the Fundamentals of Chemistry

General Editor: JOHANNES W. VAN SPRONSEN Editorial Advisory Board: G. Diikstra: N.A. Figurowsky: F. Greenway: A.J. Ihde: E. Rancke-Madsen; M. Sadoun-Goupil; Irene Strube; F. Szabadvary; T.J. Trenn

Each volume in this series examines the scientific development of a subject for which a prize was given, discussing the Laureates' significant publications in the context of his life and the history of science in general, looking ahead to directions for future research.

The first three volumes in the Series are:

INORGANIC COORDINATION COMPOUNDS

George B. Kauffman

The author draws upon his extensive research to provide the reader with a rich mixture of chemistry, biography and history. He brings to life the major discoveries in the nineteenth and twentieth centuries of one of the most exciting branches of inorganic chemistry.

Casebound: Softcover:

ISBN 0 85501 683 3 £12 S29 DM66 ISBN 0 85501 684 1 (216pp) £5.50 \$13.50 DM31

STEREOCHEMISTRY

O. Bertrand Ramsay

An account of stereochemistry from the mid-nineteenth century. The advances made by Laureates Barton, Hassel, Prelog and Cornforth in the 1960's and the proposals of Van't Hof and Le Bel considered responsible for its birth are examined.

Casebound:

ISBN 0 85501 681 7 £12 S29 DM66 N 0 85501 682 5 (254pp) £5.50 S13.50 DM31 Softcover: ISBN 0 85501 682 5

TRANSMUTATION

Thaddeus J. Trenn

A study of the long history of transmutation in its many guises - from the ancient desire to change base metals into gold to the conversion of matter at nuclear level into energy. It shows how new expectations of social political and economic importance have been aroused as a result,

ISBN 0 85501 685 X £12 S29 DM66 Casebound: ISBN 0 85501 686 8 (130pp) £5.50 S13.50 DM31 Softcover:

Forthcoming titles for publication include:

ATOMIC WEIGHT AND ATOMIC MASS, J.W. Van Spronsen LIGHT IN CHEMISTRY, by G. Diikstra INORGANIC CHEMICAL ANALYSIS, by Z. Szabadvary NUTRITION AND AGRICULTURAL CHEMISTRY, by V.M.D. Hall

HEYDEN & SON LTD., Spectrum House, Hillview Gardens, London NW4 2JQ, England Tel. 01 203 5171 HEYDEN Tel (215) 382 6673 HEYDEN & SON INC., 247 South 41st Street, Philadelphia, PA 19104, U.S A Tel (05971) 55111 HEYDEN & SON GmbH, Devesburgstrasse 6, 4440 Rheine, West Germany

ISR **NTERDISCIPLINARY** ENCE REVI

The Leading International Journal Devoted to Disseminating Critical Interdisciplinary Reviews in all the Sciences-Pure and Applied, Social and Economic.

Edited by Anthony R. Michaelis

"The overall tone of the journal is brisk, promotional and engaging. Included are features such as the international, star-studded, 80 member Editorial Board (including nine Nobel Laureates, clearly identified as such), the short biographical sketches and photographs provided for all authors, and the handsome format and production.'

Choice (publication of the Association of College and Research Libraries, USA)

PROSPECTIVE TOPICS FOR VOLUME 7 1982

- Religion and Science
- Humor in Science
- Racemisation
- Science and Wisdom
 Volcanoes
- Adulteration of Food
- Science and Sport
- The Contact Lens
- The Solar Power Satellite So Far
- Maxwell's Demons
- Science in the Antarctic
- Science Advisor to Government

You too can join the ever increasing list of ISR readers by taking out a subscription today. Contact our journals Department now and take advantage of our SPECIAL PERSONAL SUBSCRIPTION RATE of only £16.00 (DM70.00 \$35.00) for Volume 7 1982 (4 issues per vear). The full Library/Institution rate is £32.00 (\$70.00 DM150.00)

Specimen copies available on request.

HEYDEN & SON LTD , Spectrum House, Hillview Gardens, London NW4 2JQ, England Tel 01 203 5171 HEYDEN & SON LTD, Spectrum House, Hillview Gardens, London NW4 200, HEYDEN & SON INC, 247 South 41st Street, Philadelphia, PA 19104, U.S.A. Tel (215) 382 6673 HEYDEN & SON GmbH, Devesburgstrasse 6, 4440 Rheine, West Germany Tel (05971)55111

The British Society for the History of Science

LIKE the discipline which it represents, the British Society for the History of Science has grown considerably since its foundation in 1947. The object of the Society is to further the discipline in all possible ways, particularly by holding meetings for the reading and discussion of papers, and by publication of relevant material. The Society offers a forum for all who have an interest in the history of science; although it is based in Britain, its membership is international. It welcomes applications for membership from students as well as established scholars, and from non-specialists as well as professional historians of Science.

Membership of the Society, which includes a subscription to *The British journal for the history of science*, is open to all persons approved by the Council of the Society and elected at an ordinary meeting (formalities required by the UK Companies Act). The annual subscription is £11.00 (US \$28.00 in the Americas, Canada, and Japan) or, for students, £4.00 (\$11.00).

Applications for membership should be made on a form which is available from the Society's Administrator at the address below.

Meetings: The Society mounts an ambitious programme of meetings. The pattern is flexible, the only fixture being the three-day summer meeting, held at a different British University or polytechnic each year. About four other meetings, lasting for between one and three days, are held during the year, sometimes devoted to a clearly-defined theme or an important anniversary, and often arranged in conjunction with other scholarly societies.

The British journal for the history of science is the official organ of the Society. It is published three times a year, in March, July, and November, and the three parts constitute a volume. Articles and reviews range over all aspects of the history of science, and many are interdisciplinary in character, encompassing social and economic history, the philosophy and sociology of science, the history of technology, and the relations between science and theology. Contributions from members and non-members are welcomed alike.

Editorial matters: papers for inclusion in the *Journal* should be submitted to the Editor-elect, Dr David M. Knight, Department of Philosophy, University of Durham, 50 Old Elvet, Durham DH13HN, England, from whom instructions may be obtained concerning the presentation and documentation of papers. All correspondence on the contents of the *Journal* should be addressed to the Editor.

Books for review should be sent to the Reviews Editor, Dr John R. Durant, Department of Extra-Mural Studies, University College of Swansea, 6 Uplands Terrace, Swansea SA2 0GU, West Glamorgan, South Wales.

Advertising: Particulars about advertising in the *Journal* may be obtained from the Society's Administrator.

Orders and back issues: orders for the *Journal* and inquiries about back issues should be addressed to the Administrator. Claims for missing copies should be made within six months of publication. The annual subscription for non-members is £18.00 (\$50.00).

Other publications: BSHS Monograph Series is designed to allow the publication of monographic studies in the history of science quickly and cheaply. All correspondence on the subject of monographs, and any new suggestions for titles, should be sent to the Series Editor, Dr Roger Smith, Department of History, University of Lancaster, Bailrigg, Lancaster LA1 4YG, England. Monographs are available to members at a discount of 25%, post-free from the Society's Administrator. Non-members may obtain them through bookshops, or post-free from the Administrator. Now available:

1. Images of the earth: essays in the history of the environmental sciences. Ed. by L. J. Jordanova and R. Porter. 1979. £5.95 (£4.40 to members).

2. The letters of Georges Cuvier: a summary calendar. Ed. by Dorinda Outram. 1980. £3.90 (£2.90 to members).

List of theses: Every December, the Society publishes a full list of current theses in history of science in British universities. This is available free to members, and at a small charge to non-members on request to the Administrator. Standing orders are accepted from members or non-members who wish to receive the list regularly.

All the administrative business of the Society is handled by

The Administrator, The British Society for the History of Science, Halfpenny Furze, Mill Lane, Chalfont St Giles, Bucks HP8 4NR, England.

© The British Society for the History of Science 1981

The British Journal for the History of Science

November 1981

Volume XIV Part 3 No 48

W. H. BROCK: The Japanese Connexion: Engineering in Tokyo, London, and Glasgow at the End of the Nineteenth Century (Presidential Address, 1980)	227-243
JOHN J. ROCHE: Harriot's 'Regiment of the Sun' and its Background in Sixteenth-Century Navigation	245-261
COLLECTIONS VIII: P. B. WOOD and J. V. GOLINSKI: Library and Archive Resources in the History of Science and Medicine at the University of Leeds	263-281
Book Reviews	283-296
Books Received	297
Notes on Contributors	299, 303
Report of Council	300-303

Published by The British Society for the History of Science Registered Office : Halfpenny Furze, Mill Lane, Chalfont St Giles, Bucks HP8 4NR

Price: £6.00 or \$17.00 including postage

(Free to members of the Society)

Brit, J. Hist, Sci. XIV No 48 Published November 1981