

## CONTENTS

### Surveys

Kyoto Group of the History of Chinese Science .....	Shigeru NAKAYAMA....	1
Activities of Japan's Group for History of Physics .....	Tetu HIROSIGE....	5
Philosophy of Science in Japan: 1966-1970 .....	Hiroshi NAGAI....	13

### Articles

Transmission of Indeterminate Equations As Seen in an Istanbul Manuscript of Abū Kāmil .....	Martin LEVEY....	17
Newton's <i>Quantitas Materiae</i> .....	Masao WATANABE & Masakazu YOSHINAKA....	27
The Genesis of the Bohr Atom Model and Planck's Theory of Radiation .....	Tetu HIROSIGE & Sigeo NISIO....	35
Who Invented the Explosives? .....	Heizo NAMBO....	49
A Chemical Study on Some Archaeological Samples from Marlik in Iran .....	Teruko MUROGA....	99
A Brief Chronology of Dr. Heinrich Bürger .....	Yoshikazu ISHIYAMA....	107
Science Across the Pacific: American-Japanese Scientific and Cultural Contacts in the Late Nineteenth Century....	Masao WATANABE....	115
The Growth of Scientific Communities in Japan.....	Mitsutomo YUASA....	137

### Reviews

<i>Historical Studies in the Physical Sciences</i> , Vol. 1, University of Pennsylvania Press, 1969; Joseph Agassi, "Sir John Herschel's Philosophy of Success," <i>Ibid.</i> , pp. 1-36. ....	Masao WATANABE....	159
Armin Hermann: <i>Frühgeschichte der Quantentheorie (1899-1913)</i> , Physik Verlag, Mosbach in Baden, 1969, 181 pp. ....	Tetu HIROSIGE....	161
History of Science Society of Japan (ed.): <i>Nihon Kagaku-Gijutsu-shi Taikei</i> (History of Science and Technology in Japan), 25 Vols., 1964~1970. ....	Tetsuo TOMITA & Kazutoshi HATTORI....	164
News .....		168
Table of Contents.....		170
Information for Contributors .....		177