

JSS

**JOURNAL
OF THE
SIAM SOCIETY**



**JANUARY 1973
volume 61 part 1**

THE SIAM SOCIETY

PATRON

His Majesty the King

VICE-PATRONS

Her Majesty the Queen

Her Majesty Queen Rambai Barni

Her Royal Highness the Princess of Songkhla

HON. PRESIDENT

H.H. Prince Dhanivat, Kromamun Bidyalabh

HON. VICE-PRESIDENTS

H.S.H. Prince Ajavadis Diskul

H.E. Monsieur Ebbe Munck

Mr. Alexander B. Griswold

COUNCIL OF THE SIAM SOCIETY FOR 1972-1973

H.R.H. Prince Wan Waithayakorn,

Kromamun Naradhip Bongsprabandh President

Mr. Sukich Nimmanhaeminda Senior Vice-President

H.S.H. Prince Subhadradis Diskul Vice-President

M.R. Patanachai Jayant Vice-President and Honorary Treasurer

M.R. Pimsai Amranand Honorary Secretary

Dr. Tej Bunnag Honorary Editor, *Journal of the Siam Society*

Miss Elizabeth Lyons Honorary Librarian

Dr. Tem Smitinand Leader, Natural History Section

Mr. Kim Atkinson

Mrs. Katherine Buri

Mr. Dusit Banijbatana

H.E. Monsieur A.W. Kønigsfeldt

Mr. Graham Lucas

Mr. F.W.C. Martin

Mrs. Mattani Rutnin

Mrs. Nisa Sheanakul

Mr. Trevor John Rutter

Mr. Irvin L. Sablosky

Mrs. Edwin F. Stanton

Dr. Laurence D. Stifel

Mr. Sulak Sivaraksa

Mrs. Elizabeth T. Wray

H.E. Monsieur Leonard Unger

JOURNAL OF THE SIAM SOCIETY



JANUARY 1973
volume 61 part 1

©
ALL RIGHTS RESERVED
THE SIAM SOCIETY
JANUARY 1973

THE JOURNAL OF THE SIAM SOCIETY
contents of volume 61 part 1 January 1973

	Page
Articles	
Leslie E. Small	Historical Development of the Greater Chao Phya Water Control Project : An Economic Perspective 1
David K. Wyatt (translator and editor)	The Abridged Royal Chronicle of Ayudhyā of Prince Paramānuchitchinōrot 25
Michael Vickery	The Khmer inscriptions of Tenasserim : a Reinterpretation 51
A.B. Griswold and Prasert ṇa Nagara	Epigraphic and Historical Studies No. 11 Part I The Epigraphy of Mahādharṇarājā I of Sukhodaya 71
Hans Penth	A Note on Old Tak 183
Hiram W. Woodward Jr.	The Buddha's Radiance 187
Elizabeth Lyons	Two Dvaravati Figurines 193
Brian L. Foster	Ethnic Identity of the Mons in Thailand 203
Chun Prabhavi-vadhana	Special Publications for Free Distribution 227
Review Articles	
M.C. Chand Chirayu Rajani	A.B. Griswold and Prasert ṇa Nagara "Epigraphic and Historical Studies nos. 1-8" 261
Benjamin A. Batson	M.C. Sithiporn Kridakara Memorial Volume 302
Laura Summers	Behind Khmer Smiles : Prospero's Adventures in Cambodia 310
Reviews	
J.L.S. Girling	J.R.E. Waddell, <i>An Introduction to Southeast Asian Politics</i> 326
Saneh Chamarik	Norman Jacobs, <i>Modernization without Development, Thailand as an Asian Case Study</i> 327

		Page
Serin Punnahitanond	Joyce Nakahara and Ronald A. Witton, <i>Development & Conflict in Thailand</i>	332
David B. Johnston	Pholakul Angkinan, <i>The Role of the Chinese in the Reign of King Chulalongkorn</i>	340
David P. Chandler	K.S.R. Kulap (pseud.), <i>Anam Sayam Yut (The Annam-Siam Wars)</i>	345
David K. Wyatt	<i>The Chiangmai Chronicle</i>	348
Michael Vickery	<i>Accounts of the Appointments of Vassal Princes in the First Reign of the Bangkok Period</i>	351
David P. Chandler	Norodom Sihanouk, <i>L'Indochine Vue de Pékin. Entretiens avec Jean Lacouture</i>	357
Napa Bhongbhibhat	D.B. Bradley, <i>Dictionary of the Siamese Language</i>	360
Herbert C. Purnell Jr.	D.G. Collins, <i>An English Laos Dictionary</i>	364
H.H.E. Loofs	C.F.W. Higham & R.H. Parker, <i>Prehistoric Investigations in N.E. Thailand 1969-1970</i>	368
Bonnie and Derek Brereton	Mubin Sheppard, <i>Taman Indera, Malay Decorative Arts and Pastimes</i>	374
M.C. Subhadradis Diskul	Jan Fontein, R. Soekmono and Satyawati Suleiman, <i>Ancient Indonesian Art of the Central and Eastern Javanese Periods</i>	377
Hiram W. Woodward Jr.	Marie Jeanne Adams, <i>System and Meaning in East Sumba Textile Design: A Study in Traditional Indonesian Art</i>	379
Henry D. Ginsburg	William Willetts, <i>Ceramic Art of Southeast Asia</i>	381

HISTORICAL DEVELOPMENT OF THE GREATER CHAO PHYA WATER CONTROL PROJECT: AN ECONOMIC PERSPECTIVE

by

Leslie E. Small*

The Greater Chao Phya project is the largest water control project in Thailand, covering a total of 910,000 hectares (5.7 million rai) in the Central Plain. Although the project was originally designed to improve production conditions in the wet season, attention in recent years has been focused on dry season production. Disappointment with the rate of growth of dry season cropping has led to criticisms of the project and to proposals for further investment to improve the capability of the system to support dry season production.

In a recent study I have attempted to identify and measure the effects of this project on crop production (Small 1972). As a part of that study I investigated certain aspects of the historical development of the project, as recorded in published materials available in English. The information and conclusions resulting from this investigation are presented in this article.

Chronology of Events

In 1856 the Bowring Treaty between Thailand (Siam) and Britain went into effect. Ingram (1971) has documented the importance of this treaty in the development of the Thai economy in the latter part of the 19th and early part of the 20th centuries. A development of major importance was an expansion in the production and export of rice. This expansion, which was encouraged by both foreign demand and Thai

* Assistant Professor, Southern Illinois University. The research on which this article is based was undertaken as a joint project between Cornell University and the Faculty of Economics and Business Administration of Kasetsart University. I wish to acknowledge the substantial contribution made by Kasetsart University in the conduct of this research. In particular, I wish to acknowledge the assistance of my co-worker, Mr. Chamras Arunpoo, of Kasetsart University, who worked with me throughout the period of my research in Thailand. Financial support for the research came from the National Science Foundation, the South East Asia Development Advisory Group (SEADAG), and Cornell University.