

## Contents

Inaugural Address by Hitoshi CHAYA .....	1
Welcome Address by Shiro TOHATA .....	3

### **Session I. Country Report**

1. Hari Krishna PANDE (India)	
Present status and problems of water management of rice in India .....	13
2. Gatot SOENARJO (Indonesia)	
Country report of Indonesia .....	21
3. Cheong Chup LIM (Malaysia)	
Irrigation development and present status of farm water management in Malaysia .....	33
4. Sebastian I. JULIAN (Philippines)	
Country report of the Philippines .....	41
5. G. E. M. GOMEZ (Sri Lanka)	
Present status and problems of water management in rice fields in Sri Lanka .....	45
6. Charin ATTHAYODHIN (Thailand)	
Water management of rice field in Thailand .....	51
7. Katsumi DEGUCHI (Japan)	
Country report of Japan .....	59

### **Session II. Technical Report**

1. Peter KUNG (FAO)	
Water management for paddy fields in tropical Asia .....	69
2. Katsuo SUGIMOTO (Japan)	
Relationship between evapo-transpiration and dry matter production of <i>indica</i> rice .....	81
3. Satoru MOTOMURA, Ashara EEIRAYOSAKOL and Wisit CHOLITKUL (Thailand)	
The changes in some physical and chemical properties of paddy soils under water management .....	101
4. Yutaka ONIKURA (Japan)	
Soil characteristics concerning with the beneficial effect of water managememnt in rice cultivation .....	117
5. John Aroonkumar LEWIS (Sri Lanka)	
On-farm supplementary irrigation requirement for rice in the dry zone of Sri Lanka .....	131
6. Hiroshi SAKAI (Japan)	
Effect of water management on paddy soil metabolism and its use in the growth control of rice plants .....	139

7. Otje S. R. BRATAMIJAYA (Indonesia)	
Effect of flooding depth on yield and water requirement .....	153
8. Ichiro TANAKA (Japan)	
Agro-ecological roles of irrigation in rice culture .....	161
9. Charin ATTTHAYODHIN (Thailand)	
Improvement of irrigation and drainage system of rice in Thailand .....	173
10. Sho-ichiro NAKAGAWA (Japan)	
Water requirements and their determination .....	193
11. G. E. M. GOMEZ (Sri Lanka)	
Crop diversification as an aid to water management—Some computer studies on Mahakandarawa Irrigation Project, North Central Province, Sri Lanka .....	209
12. Kiyomitsu YUKAWA (Japan)	
Distribution system of irrigation water in Japan .....	225
13. Hari Krishna PANDE (India)	
Water management practices and rice cultivation in India .....	231
14. Soekarso DJUNADEI (Indonesia)	
Tertiary pilot unit .....	251
15. Cheong Chup LIM (Malaysia)	
Some aspects of farm water management in Malaysia .....	263
16. Kaname EZAKI (Japan)	
Drainage of paddy field in Japan .....	273
17. Sebastian I. JULIAN (Philippines)	
Water management in Philippine irrigation systems .....	283
18. Shigetaka TANIYAMA (Japan)	
Land consolidation in paddy field .....	291
<b>General Discussion .....</b>	<b>301</b>
<b>Closing Address by Kan-ichi MURAKAMI .....</b>	<b>313</b>
<b>List of Participants .....</b>	<b>315</b>
<b>The Symposium Organizing Committee .....</b>	<b>320</b>