

Volume 23

June, 1978

# TAIWANIA

SCIENCE REPORTS OF THE BOTANY DEPARTMENT  
OF THE NATIONAL TAIWAN UNIVERSITY

## CONTENTS

Stomatal Distribution on Leaves of Three Species of <i>Chamaecyparis</i> .....	DONALD B. ZOBEL, TSAN-PIAO LIN and VALIANT T. LIU... 1
Miocene Palynomorphs of Taiwan (III) - Spores.....	TSENG-CHIENG HUANG... 7
<i>Ctenopteris brevivenosa</i> (v. A. v. R.) Holtt., A Grammitid Fern New to Taiwan.....	CHARLES E. DEVOL and KUO CHEN-MENG... 56
<i>Pseudophegopteris aurita</i> (Hook.) Ching, A Thelypteroid Fern New to Taiwan	KUO CHEN-MENG and JENG YUAN-CHUEN... 58
The Origin of the First Periderm in Some Dicotyledonous Stems.....	SU-HWA TSAI CHIANG... 60
The Genus <i>Rhizogonium</i> Brid. (Musci) in Taiwan.....	MING-JOU LAI... 66
<i>Bazzania vittata</i> Found in Taiwan.....	MING-JOU LAI... 75
The Use of Stipe Characters in Fern Taxonomy II .....	BAI-LING LIN and CHARLES E. DEVOL... 77
Examination of 2,4-D Induced Enlargement of Nucleoli and Changes in RNA Synthetic Activity in Pea Epicotyl .....	YIH-MING CHEN and CHU-YUNG LIN... 96
Cytoplasmic Cleavage During Microsporogenesis in <i>Agropyron cristatum</i> .....	YUNG-REUI CHEN... 105
Studies on the Formation of Adventitious Root Initial in Mung Bean Seeding Hypocotyl.....	LI-SA LEE, YIH-MING CHEN and CHU-YUNG LIN... 115
Effects of Dowco 242 on Plant Growth, GA <sub>3</sub> Content and Peroxidase Activity in Soybean Plants.....	SHUE-MEI WANG and CHI-YING HUANG... 123
Characterization of Tryptophan Auxotrophs from <i>Pseudomonas aeruginosa</i> .....	SAN-SAN TSAY LIU... 134
Characterization of Two Bacteriophages for <i>Pseudomonas aeruginosa</i> .....	YEN-YU KAO and SAN-SAN TSAY LIU... 141
Note on New Formosan Forest Fungi VI. Genus <i>Cordyceps</i> and Their Distribution in Taiwan.....	ZUEI-CHING CHEN... 153

DEPARTMENT OF BOTANY, COLLEGE OF SCIENCE  
NATIONAL TAIWAN UNIVERSITY  
TAIPEI, TAIWAN 107,  
REPUBLIC OF CHINA

國立臺灣大學  
理學院植物學系  
研究報告

第二十三卷

中華民國六十七年六月

目錄

扁柏屬三種植物葉部氣孔之分佈.....	楚貝爾、林讚標、柳 橋...	1
臺灣中新世之化石孢子粉 (III)-孢子.....	黃增泉...	7
臺灣禾葉蕨科之一新記錄種——南洋嵩蕨.....	棟慕華、郭城孟...	56
臺灣金星蕨科之一新紀錄種——耳狀紫柄蕨.....	郭城孟、鄭元春...	58
雙子葉植物莖部第一圈周皮之起源.....	江蔡淑華...	60
臺灣檜苔屬之研究.....	賴明洲...	66
臺灣新記錄蘇類——假肋鞭蘇.....	賴明洲...	75
葉柄特徵在蕨類分類學上的應用 II.....	林白翎...	77
2, 4-D 誘導豌豆上胚軸核仁腫大及 RNA 合成能力的探討....	陳益明、林秋榮...	96
冠狀鵝觀草 ( <i>Agropyron cristatum</i> ) 在雄性配子形成時之細胞質分裂....	陳榮銳...	105
綠豆幼苗下胚軸不定根發生機制的研究.....	李麗莎、陳益明、林秋榮...	115
Dowco 242 對於大豆幼苗的生長 GA <sub>3</sub> 含量及 Peroxidase 活性的影響.....	王淑美、黃啓穎...	123
綠膜桿菌色氨酸要求株的特性.....	劉蔡珊瑚...	134
兩種綠膜桿菌噬菌體的特性.....	高燕玉、劉蔡珊瑚...	141
新發現之臺灣森林菌類 IV. 冬蟲夏草及其分佈.....	陳瑞青...	153

國立臺灣大學理學院植物學系出版