

97. Alar cells sharply defined, often large and inflated.....98  
 97. Alar cells inconspicuous.....102  
 98. Leaves deeply cochleariform, apex cucullate..... PTEROBRYACEAE  
 98. Leaves more or less concave, apex not cucullate.....99  
 99. Alar cells subquadrate, not colored; capsules cylindrical, erect..... ENTODONTACEAE  
 99. Alar cells incrassate or colored; capsules otherwise.....100  
 100. Stems covered with paraphyllia..... RHYTIDIACEAE  
 100. Stems lacking paraphyllia.....101  
 101. Primary stems stoloniferous; alar cells numerous, incrassate..... MYURIAEAE  
 101. Primary stems not stoloniferous; leaves mostly ecostate, alar cells mostly few, large, often inflated..... SEMATOPHYLLACEAE  
 102. Calyptra large, mitriform, often hairy; forks of costa usually long; mostly soft plants....  
 ..... HOOKERIAEAE  
 102. Calyptra usually cucullate; forks of costa short.....103  
 103. Leaves plicate..... PTEROBRYACEAE  
 103. Leaves not plicate.....104  
 104. Leaves cochleariform, abruptly short-pointed..... LEMBOPHYLLACEAE  
 104. Leaves more or less concave, acuminate.....105  
 105. Rigid woody plants; endostome rudimentary..... PTEROBRYACEAE  
 105. Stems not woody; peristome perfect.....106  
 106. Leaf cells very wide or rhomboidal.....107  
 106. Leaf cells narrow, elongate.....109  
 107. Leaf cells papillose..... THELIACEAE  
 107. Leaf cells smooth.....108  
 108. Lid finely subulate-rostrate; peristome teeth with a median furrow.... LEUCOMIACEAE  
 108. Lid short, apiculate; peristome teeth not furrowed..... HYPNACEAE (*Vesicularia*)  
 109. Leaves strongly complanate.....110  
 109. Leaves not complanate.....111  
 110. Leaves decurrent, cells smooth..... PLAGIOTHECIACEAE  
 110. Leaves not decurrent, cells smooth or papillose at apical angles..... HYPNACEAE  
 111. Robust rigid plants, stems copiously branched..... HYLOCOMIACEAE  
 111. Smaller plants, stems often regularly pinnate..... HYPNACEAE

## LITERATURE CITED

- LAI, M. J., & J. R. WANG-YANG, 1976. Index Bryoflorae Formosensis. —Taiwania 21. (in press)

A NEW NAME FOR *HYMENOPHYLLUM*  
*TAIWANENSE* DEVOL

MING-JOU LAI

*Hymenophyllum devolii*, *nom. nov.*

*Hymenophyllum taiwanense* DeVol, Fl. Taiwan I: 120. pl. 40. 1975. non *H. taiwanense* (Tagawa) Morton in Contr. U. S. Nat. Herb. 35(5): 167. 1968 based on *Mecodium taiwanense* Tagawa in Acta Phytotax. Geobot. 9: 141. 1940. 棧氏膜蕨

TAIWAN: Chingshuiying, leg. Liew 45 (TAI, holotypus).