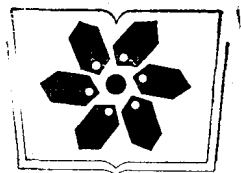




中国高等植物 模式标本汇编

靳淑英 编

科学出版社



中国科学院科学出版基金资助项目

中国高等植物模式标本汇编

靳淑英 编

陈艺林 审校

A CATALOGUE OF TYPE SPECIMENS (CORMOPHYTA) IN THE HERBARIA OF CHINA

Edited by Jin Shuyin

Revised by Chen Yilin

科学出版社

Science Press

1994

(京)新登字 092 号

内 容 简 介

本书是一部国内外植物分类学家自 1949 年至 1986 年间发表的中国高等植物新分类群文献及其模式标本的资料汇编。全书共收录已发表的中国高等植物分类群 9 484 个(含种下等级),其中包括苔藓植物 49 科,167 个;蕨类植物 40 科,1 237 个;裸子植物 8 科,77 个和被子植物 158 科,8 003 个。蕨类植物按秦仁昌的分类系统,裸子植物按郑万钧的分类系统,被子植物则按恩格勒(1936 年)的分类系统。每个分类群的拉丁学名,中文名,原始文献,模式标本产地,采集人和采集号码,模式标本类别,保存单位名称及其缩写代号均有详细的记载。

中国高等植物模式标本汇编

靳淑英 编

陈艺林 审校

责任编辑 曾桂芳

科 学 出 版 社 出 版

北京东黄城根北街 16 号

邮政编码:100717

中国科学院印刷厂印刷

新华书店北京发行所发行 各地新华书店经售

*

1994 年 8 月第 一 版

开本:787×1092 1/16

1994 年 8 月第一次印刷

印张:45 3/4 插页:2

印数:1—1 100

字数:1 061 000

ISBN 7-03-003476-7/Q·444

定价:68.00 元

前 言

模式标本是植物分类学家赖以从事植物系统分类研究必不可少的科学依据,也是开展专科专属研究,编写全国和地方植物志,进行植物区系调查研究,开发、利用和保护植物资源的重要基本资料。因此,收集并掌握有关植物新分类群的文献及其模式标本保存的现状,无疑是每个植物分类学工作者的一项经常性的任务。世界各国的植物分类学家对此非常重视,并开展了许多工作。近年来,国外有些学者或科研机构已开始着手收集和整理他们所在国家或地区的部分标本室珍藏的模式标本,编辑出版了各类模式标本目录,提供植物分类学家和有关研究、教学部门参考使用。例如日本学者 Hiroshi Hara、Kunio Iwatsuki 和 H. Ohashi (1981) 等人编著的《日本各标本室模式标本目录》(List of the Type Specimens in the Herbaria of Japan) 分别收录了日本标本馆收藏的蕨类植物和忍冬科、杨柳科及天南星科等模式标本目录;由美国哈佛大学 Allan J. Borstein (1987) 编辑的《哈佛大学标本室模式标本目录胡椒科》(A Catalogue of Type Specimens in the Harvard University Herbaria (A/GH): Piperaceae) 也已问世,它对阿诺德树木园和阿萨格雷标本室珍藏的胡椒科模式标本 1098 号作了比较详尽的记载。我国尽管也有人曾撰文分别介绍国内外主要标本室概况和部分单位标本室的外文名称及缩写代号,然而关于我国高等植物新分类群文献及其模式标本迄今尚未作过全面的清理,缺乏比较完整的系统资料。

我国幅员辽阔,自然环境复杂,野生植物资源异常丰富,初步统计,仅高等植物就超过三万余种,分别隶属于 470 科,3 700 余属,其种类数目仅次于巴西和马来西亚。数十年来我国老一辈植物学家和广大植物分类学工作者进行了广泛和深入的调查和采集,收集了大量珍贵的植物标本,积累了丰富的文献资料。在此基础上,开展了全国和地方植物志的编写以及专科、专属的系统分类研究,逐步查明了我国植物资源种类及其分布规律,同时也先后发现了数千个新分类群(包括新种和新变种),使我国植物种类数目和区系成分不断增加。据统计,自 1949 年至 1986 年 38 年间,我国先后发现高等植物新分类群达 9 484 个,这些新分类群先后发表在国内一百余种不同的书刊上。而它们所依据的模式标本则分散保存于国内外 230 多个科研、教学或产业部门的标本室(馆)中,这既不利于查找,也不利于彼此交流和使用。有些单位由于设备或条件不够完备或因管理不善,致使模式标本有的已经丢失或损坏和虫蚀,甚至有的已经毁于火灾。这种状况如果不引起足够重视,并及时制定或采取有效的措施,加强科学管理,这些珍贵的模式标本不仅在科研、生产上不可能发挥其应有作用,而且还有可能被毁于一旦,给国家科学事业造成不可弥补的损失。

我国著名植物分类学家钱崇澍、胡先骕、陈焕镛、秦仁昌、蒋英、方文培、俞德浚和吴征镒等教授都非常重视新分类群模式标本及文献收集与整理工作,并为此做出了巨大贡献。为了使此项基本资料工作得以继续进行下去,以适应和满足我国植物分类学研究和全国及地方植物志编写的需要,进一步加强标本馆的现代化建设,不断提高科学管理水平,逐

步实现标本室管理科学化、标准化、规范化和现代化,使它更有效地为科研、教学和生产部门服务,是十分必要的。近年来,编者结合标本室的管理工作,在总结前人工作的基础上,对我国自1949年至1986年发表的新分类群文献及其模式标本进行了全面系统的整理,现将结果汇编成本目录,供国内外植物分类学家及有关科研、教学及生产部门参考。

历史悠久的中国科学院植物研究所标本馆,拥有高等植物标本1800000号,是目前我国最大的标本馆,也是亚洲最大的标本馆之一。它与世界50多个国家和地区的科学研究机构和大学的标本室建立了广泛联系,并开展了馆际间的学术交流,在国内外均享有较高的声誉。这里不仅珍藏有大量珍贵的模式标本,而且拥有一座植物学书刊比较齐全的图书馆,为本项工作的顺利开展创造了有利条件。

《中国高等植物模式标本汇编》是编者数十年来从事标本室技术管理工作的一项初步成果,也是植物分类学的一部重要工具书。本书不仅全面系统地收录了国内外植物分类学家自1949年以来发表的我国高等植物新分类群,而且每个新分类群均包括植物拉丁学名、中名、原始文献、模式标本类别、产地、采集人及采集号码和保存单位名称和缩写代号。本书的出版不仅有利于我国植物分类学和植物区系的研究,而且对标本室科学管理人员也有裨益和帮助,同时为今后我国各标本室模式标本的全面清理和汇编《中国植物模式标本集》提供参考。

在编辑过程中,曾经得到秦仁昌教授的热情鼓励和支持,中国科学院植物研究所领导,陈艺林、李安仁和傅立国教授对此项工作给予具体指导;崔鸿宾教授将他收藏的书刊提供作者使用,在此表示衷心感谢;东北林业大学周以良教授及《植物研究》编辑部的同志曾帮助出版《中国高等植物文献及其模式标本汇编》(简称《汇编》),对此深表谢忱。此外,作者对一切关心和支持此项工作的单位和个人均致以深切谢意。

《汇编》于1989年在《植物研究》刊出后,立即引起国内外植物学界的广泛兴趣与重视,不少植物学家和有关单位多次来函建议尽快出版全书。

鉴于目前编者对我国台湾、香港和澳门的文献资料掌握不够完备,因此在本书中对上述地区发表的新分类群暂未列入,有待今后加以补充。关于1986年后发表的我国植物新分类群文献及其模式标本目录,将以补编的形式,陆续出版。

由于时间仓促,编者水平有限,书中遗漏或错误在所难免,敬请读者批评指正。

新淑英
中国科学院植物研究所
1991年4月

PREFACE

Type specimens form the indispensable scientific basis for the studies of taxonomy. They are the basic material for monographical studies of families and genera, for writing up regional or country wide floras, for flora exploration and utilization, and for conservation of plant resources. It is therefore undoubtedly an important and constant job of every plant taxonomist to accumulate and familiarize himself with literatures on new taxa and information about their type specimens. Realizing the importance of this, plant taxonomists around the world have done a great deal of work for facilitating this. In recent years, several scholars and scientific institutions have set about sorting out and collating the type specimens kept in some of the herbaria of their own country or region. Lists or catalogues of type specimens have been prepared and published. These include *List of the Type Specimens in the Herbaria of Japan* (1981, compiled by H. Hara, K. Iwatsuki and H. Ohashi), listing type specimens of ferns, Caprifoliaceae, Salicaceae and Araceae, and *A Catalogue of Type Specimens in the Harvard University Herbaria (A/GH): Piperaceae* (1987, compiled by A. J. Borstein), providing detailed information about 1098 Type specimens kept in Arnold Arboretum and Grey Herbarium of the University. In China, introductory articles about important herbaria at home and abroad and about the English names and their abbreviations of herbaria of some institutions were seen; however, comprehensive collation and relatively complete information of literature of new taxa and their type specimens are, until now, still wanting.

China has a large area, varied and complex environmental conditions and exceptional rich resources of wild plants. The number of species of higher plants, which belong to over 3 700 genera and 470 families, is estimated to exceed 30 000, next only to Brazil and Malaysia in abundance. Over the decades, Chinese botanists of older generations and numerous plant taxonomists have made extensive explorations, have collected a great numbers of invaluable plant specimens, and have accumulated abundant literatures. On this basis, national and regional floras are being written and published, studies on the taxonomy and systematics of various genera and families are progressing. During the investigations of the composition of Chinese plant resources and their distributions, thousands of new taxa (including new species and new varieties) have been discovered, which has continuously added to the number of known plant species and flora elements of this country. Within 38 years between 1949 and 1986, according to our statistics 9 484 new taxa of higher plants were found

in China and were published in more than 100 various Chinese books and periodicals. The type specimens on which the names of these new taxa are based are scattered in over 230 herbaria of different scientific, educational or industrial institutions. This causes inconvenience in checking the specimens, and does not facilitate exchange and use. Some of the type specimens have regrettably been eaten by insects, damaged, lost or even destroyed by fire, due to inadequate facilities, improper keeping conditions and poor management in some of the institutions. Unless due attention is paid to this situation and immediate measures are formulated and taken to deal with the problems and to enforce scientific management, it is unlikely that these precious type specimens will play their roles to the full extent, and the great danger will remain that some of the specimens face the destiny of being ruined, resulting in irreparable loss to the cause of sciences in this country.

Prominent Chinese plant taxonomists, such as Prof. Qian Chongshu, Prof. H. H. Hu (Hu Xiansu), Prof. W. Y. Chun (Chen Huanyong), Prof. R. C. Ching (Qin Renchang), Prof. Y. Tsiang (Jiang Ying), Prof. W. P. Fang (Fang Wenpei), Prof. T. T. Yu (Yu Dejun) and Prof. C. Y. Wu (Wu Zhengyi), invariably attached importance and made great contributions to the work of accumulating and collating type specimens and literature of new taxa. It is necessary to continue this work of basic data, in response to the demand of taxonomic researches of China plants and the writing of national and regional floras of China, for the assistance the realization of modernization and with the aim of providing more effective services to scientific and educational institutions and production sectors. In the last few years, the present compiler, in association with her duty of administrating the herbarium, and on the basis of summing up the achievements of her forerunners, have made a complete and systematic scrutiny of the literature published in China between 1949 and 1986, in which new taxa were described with type specimens cited. The result is this catalogue, which we offer for reference to plant taxonomists and others concerned, both at home and abroad, in scientific, and educational institutions or in production sectors.

The Herbarium of the Institute of Botany, Chinese Academy of Sciences, with a long history and now holding 1 800 000 specimens of higher plants, is recognized as the largest herbarium in China, and one of the largest in Asia. Extensive contacts and academic exchanges are established between this herbarium and herbaria of scientific institutions and universities over 50 countries and regions. This herbarium, where I work in, enjoys a high reputation not only in housing large numbers of type specimens, but also in holding a comprehensive collection of botanical books and periodicals in its library. Thus, I am provided with a favourable condition to carry on smoothly the preparation of the present compilation.

A Catalogue of Type Specimens (Cormophyta) in the Herbaria of China, which

is an important reference book of plant taxonomy, resulted from the accumulation during my many years administration work in the Herbarium. The book lists the new taxa of Chinese higher plants published since 1949 by Chinese and foreign botanists, including their Latin names, Chinese common names, and information about place of publication, kind of type, place of collection, collector(s), collection number, and institution where the type specimen is deposited. The publication of this book will not only benefit taxonomic and floral studies of China and the management of herbaria, but also in future provide reference to a thorough sorting out of type specimens in herbaria of our country and to another compilation, *Type Specimens of Chinese Plants*.

During the preparation of this book, Prof. Qin Renchang warmly encouraged and supported the efforts of the compiler; leaders of the Institute of Botany, Chinese Academy of Sciences, and the Herbarium and the Library of the Institute also provided full support; Prof. Chen Yilin, Prof. Li Anren and Prof. Fu Liguang gave practical guidance; Prof. Cui Hongbin kindly lent his own books and periodicals to the compiler; Prof. Zhou Yiliang and the editorial department of *Botanical Research* helped in the publication of the first edition of Part One of this compilation. To all these and other people and institutions that have shown solicitude and given helpful support, we acknowledge our deep and sincere gratitude.

Since the first edition of Part One appeared in *Botanical Research* in 1989, much attention has been received from the botanical circles both at home and abroad. Quite a few botanists and institutions wrote letters expressing wishes to see the catalogue soon published in full. This has now been materialized with the energetic support from the Science Press, to which I am most grateful.

Because publications from Taiwan, Hongkong and Macao are not fully accessible to us, this compilation has not included new taxa published in those areas, which, we hope, could be added later. New taxa published after 1986 and their type specimens would be catalogued and published as supplements in future.

Notification of any errors or omissions that may exist would be greatly appreciated.

Jin Shuying
Institute of Botany, Academia Sinica
April, 1991

目 录

前言.....	i
使用说明.....	x
模式标本目录.....	1
模式标本保存单位名称及其缩写.....	696
主要参考文献.....	709
中文科名索引.....	710
拉丁文科名索引.....	714

CONTENTS

Preface	iii
Guide to the use of the catalogue	xi
The catalogue of type specimens	xi
The units and their abbreviations of the name of the herbaria where the type specimens are deposited	696
References	709
Index to family names in Chinese	710
Index to family names in Latin	714

模式标本目录

THE CATALOGUE OF TYPE SPECIMENS

BRYOPHYTA 苔藓植物门

Andreaeaceae 黑藓科

- 0001 **Andreaea likiangensis** Chen (丽江黑藓), in Acta Phytotax. Sin. 7(2):103. f. 5. 1958. Yunnan: Lijiang (丽江), W. S. Hsu (徐文宣) 335a. 1975. 8. 20.
- 0002 **A. mamillosula** Chen (疣黑藓), in Acta phytotax. Sin. 7(2): 102. f. 3. 1985. Fujian: Wuyi Mountain (武夷山), P. C. Chen et al. (陈邦杰等) 960. 1955. 4. 21.
- 0003 **A. wangiana** Chen (王氏黑藓), in Acta Phytotax. Sin. 7(2): 101. f. 1. 1958, Xizang: Cawarong (察瓦龙), C. W. Wang (王启无) 32837. 1935. 8. 19. T:PE

Bartramiaceae 珠藓科

- 0004 **Philonotis capilliformis** Lou et Wu (毛尖泽藓), in Acta Phytotax. Sin. 18(1): 121. f. 3:7. 1980, Xizang: Mêdog (墨脱), K. Y. Lang (郎楷永) 531. 1974. 8. 24. T:PE
- 0005 **P. papillatomarginata** Lou et Wu (疣边泽藓), in Acta Phytotax. Sin. 13(1): 123. f. 3:1. 1980. Xizang: Mêdog (墨脱), Xizang Exped. (西藏队) 20. 1974. 7. 1. T:PE

Bryaceae 真藓科

- 0006 **Anomobryum alpinum** Zang et Li (高山银藓), in Bryofl. Xizang 164. pl. 71: 1—10. 1985. Xizang: Zhoinda, (仲达), Zang Mu (臧穆) 1726. 1075. 7. 25. T:HKAS
- 0007 **Brachymenium immarginatum** Gao et Chang (无边短月藓), in Acta Phytotax. Sin. 17(4): 116. f. 1:22—33. 1979. Xizang: Zhongba (仲巴), (中国科学院青藏考察队植被组) 7580(1). 1975. 7. 29. T:IFP
- 0008 **Bryum gessypinum** Lee et Zang (绵毛真藓), in Acta Phytotax. Sin. 17(4):

116. f. 1:34—39. 1979. Xizang: Gê' gyai (革吉), J. T. Wang (王金亭) 8.
1976. 8. 16. T:IFP

Buxbaumiaceae 烟杆藓科

- 0009 **Buxbaumia punctata** Chen Panchien et Lee Shinchiang (花斑烟杆藓), in Acta Phytotax. Sin. 9(3): 277. pl. 20. 1964. Sichuan: Barkam (马尔康), S. C. Lee (黎兴江) 1471. 1958. 7. 11. T:PE
- 0010 **B. symmerica** Chen Panchien et Lee Shinchiang (圆朔烟杆藓), in Acta Phytotax. Sin. 9(3): 279. pl. 30. 1964. Shaanxi: Huxian County (户县), Z. P. Wei (魏志平) 4731 (a). 1962. 9. 16. T:PE

Calymperaceae 花叶藓科

- 0011 **Calymperes cuculatum** P. J. Lin (兜叶花叶藓), in Acta Phytotax. Sin. 17(1): 96. f. 3. 1979. Hainan: Yaxian County (崖县), P. C. Chen et al. (陈邦杰等) 745 a. 1962. 2. T:SCBI, IT:PE
- 0012 **Calymperopsis involuta** P. J. Lin (卷叶拟花叶藓), in Acta Phytotax. Sin. 17(1): 92. f. 1. 1979. Hainan: Jianfengling (尖峰岭), P. C. Chen et al. (陈邦杰) 518c. 1962. 2. T:SCBI, IT:PE
- 0013 **Syrrhopodon armatispinosus** P. J. Lin (刺网藓), in Acta Phytotax. Sin. 17(1): 93. f. 2. 1979. Hainan: Tianchi (天池), P. C. Chen et al. (陈邦杰等) 220. 1962. 2. 1—2. T:SCBI, IT:PE

Cryphaeaceae 隐蒴藓科

- 0014 **Forstroemia filiformis** M. X. Zhang (丝状残齿藓), in Acta Bot. Yunnan 2(4): 484. pl. 8—21. 1980. Xizang: Lhünzê (隆子), Zang Mu (臧穆) 1215. 1975. 7. 5. T:WUG, IT:HKAS

Dicranaceae 曲尾藓科

- 0015 **Campylopus longigemmatus** Gao (鞭枝曲柄藓), in Acta Bot. Yunnan. 3(4): 392. f. 3:1—12. 1981, Xizang: Cona (错那), Chen Shukun (陈书坤) 5152a. 1974. 10. T: IFP, IT: HKAS
- 0016 **Dicranodontium papillifolium** Gao (瘤叶青毛藓), in Acta Bot. Yunnan. 3(4): 393. f. 3: 13—20. 1981, Xizang: Yadong (亚东), Chen Shukun (陈书坤) 7799. 1974. 9. 11. T: IFP, IT:HKAS
- 0017 **Dicranoloma tibetanum** Gao (西藏锦叶藓), in Acta Phytotax. Sin. 17(4):

115. f. 1:14—21. 1979, Xizang: Mêdog (墨脱), (生态室西藏组) M. 7436(2). 1974. 9. 16. T:IFP
- 0018 **Dicranum conanum** Gao (错那曲尾藓), in Acta Phytotax. Sin. 17(4):115. f. 1: 1—7. 1979. Xizang: Cona (错那), (生态室西藏组) M. 744. T:IFP
- 0019 **D. diplospiniferum** Gao et Aur (双齿曲尾藓), in Bull. Bot. Lab. North-East. Forest. Inst. 7:99. pl. 2. 1980. Xizang: Mainling (米林), Chen Shukun (陈书坤) 4876. 1974. 8. 25. T:IFP
- 0020 **D. linzianum** Gao (林芝曲尾藓), in Acta Phytotax. Sin. 17(4): 115. f. 1: 8—13. 1979. Xizang: Nyingchi (林芝), (生态室西藏组) M. 7424. 1974. 9. 26. T:IFP
- 0021 **D. mammosum** Gao et Aur (瘤叶曲尾藓), in Bull. Bot. Lab. North-East. Forest. Inst. 7:98. pl. 1:9—16. 1980. Xizang: Yadong (亚东), Zang Mu (臧穆) 426. 1975. 6. 6. T:IFP
- 0022 **D. ramosum** Gao et Aur (多枝曲尾藓), in Bull. Bot. Lab. North-East. Forest. Inst. 7:97. pl. 1—8. 1980. Xizang: Yadong (亚东), Zang Mu (臧穆) 799. 1975. 6. 16. T:IFP

Ditrichaceae 牛毛藓科

- 0023 **Distichium brevisetum** Gao (短柄对叶藓), in Acta. Bot. Yunnan. 3(4): 391. f. 15—22. 1981. Xizang: Lhünzê (隆子), Zang Mu (臧穆) 886. 1975. 6. 20. T: IFP
- 0024 **D. bryoxiphoidium** Gao (短叶对叶藓), in Acta. Bot. Yunnan. 3(4): 392. f. 2: 1—14. 1981. Xizang: Tingri (定日), K. Y. Lang (郎楷永) 5308. 1968. 5. 8. T:IFP

Entodontaceae 绢藓科

- 0025 **Entodon kungshanensis** R. L. Hu (贡山绢藓), in Journ. Shanghai Norm. Univ. 1: 102. 1978. Yunnan: Gongshan (贡山), C. W. Wang (王启无) 6544. 1935. 10. 2. T:PE

Fabroniaceae 碎米藓科

- 0026 **Fabronia anacamptodens** Gao (双齿碎米藓), in Acta Bot. Yunnan. 3(4): 397. f. 7: 1—12. 1981. Xizang: Lhünzê (隆子), Zang Mu (臧穆) 15. 1975. 5. 24. T: IFP, IT: HKAS
- 0027 **F. microspora** Gao (小孢碎米藓), in Acta Bot. Yunnan. 3(4): 396. f. 6: 1—13. 1981. Xizang: Lhünzê (隆子), Zang Mu (臧穆) 1407 a. 1975. 7. 14.

T: IFP, IT: HKAS

- 0028 **F. papillidens** Gao (疣齿碎米藓), in Acta Bot. Yunnan. 3(4): 397. f. 6: 14—23. 1981. Xizang: Qayu (加玉), Zang Mu (臧穆) 1195. 1975. 7. 5. T: IFP, IT: HKAS

Fissidentaceae 凤尾藓科

- 0029 **Fissidens borealis** Ch. Gao (阔叶凤尾藓), in Fl. Musc. Chin. Bor.-Orient. 378. f. 66. 1977. Heilongjiang: Fuyuan (抚远), Ch. Gao (高谦) 6282. 1961. 8. 5. T: IFP
- 0030 **F. taelingensis** Ch. Gao (带岭凤尾藓), in Fl. Musc. Chin. Bor. -Orient. 378. f. 67. 1977, Heilongjiang: Xiao Hinggan Mountains (小兴安岭), P. C. Chen et al. (陈邦杰等) 387. 1957. 7. 10. T: IFP

Fontinalaceae 水藓科

- 0031 **Fontinalis hypnoides var. plicatus** Ch. Gao (柔枝水藓褶叶变种), in Fl. Musc. Chin. Bor.-Orient. 380. f. 151, 153. 1977. Heilongjiang: Xiao Hinggan Mountains (小兴安岭), T. N. Liou (刘慎谔). T: IFP

Grimmiaceae 紫萼藓科

- 0032 **Grimmia cucullata** Lou et Wu (兜叶紫萼藓), in Acta Phytotax. Sin. 18(1): 121. f. 2: 1—7. 1980. Xizang: Baingoin (斑戈), K. Y. Lang (郎楷永) 1317. 1976. 6. 17. T: PE
- 0033 **G. kirienensis** Ch. Gao (吉林紫萼藓), in Fl. Musc. Chin. Bor.-Orient. 379. f. 82. 1977. Jilin: Mao'er Mountain (帽儿山), Ch. Gao (高谦) 7714. 1963. 9. 7. T: IFP
- 0034 **G. longicapusula** Gao et Cao (长蒴紫萼藓), in Acta Bot. Yunnan. 3(4): 395. f. 5. 1981. Xizang: Yadong (亚东), Zang Mu (臧穆) 39. 1975. 5. 28. T: IFP, IT: HKAS
- 0035 **G. mammosa** Gao et Cao (粗瘤紫萼藓), in Acta Bot. Yunnan. 3(4): 394. f. 4: 1—9. 1981. Xizang: Yadong (亚东), Zang Mu (臧穆) 71. 1975. 5. 29. T: IFP, IT: HKAS
- 0036 **G. obtusifolia** Gao et Cao (钝叶紫萼藓), in Acta Bot. Yunnan. 3(4): 394. f. 4: 10—16. 1981. Xizang: Shuanghu (双湖), Lang Kaiyong (郎楷永) 1347. 1978. 7. 13. T: IFP, IT: PE
- 0037 **Racomitrium albopiliferum** Gao et Cao (白毛砂藓), in Acta Bot. Yunnan. 3(4): 396. f. 5: 9—17. 1981. Xizang: Dinggye (定结), Lang Kaiyong (郎楷永)

永) 1116. 1975. 6. 4. T:IFP, IT:PE

- 0038 **Schistidium tibetanum** Lou et Wu (西藏裂齿藓), in Acta Phytotax. Sin. 18(1): 121. f. 2:8—15. 1980. Xizang: Baingoin (斑戈), B. S. Li (李渤生) 7601. 1976. 6. 10. T:PE

Hylocomiaceae 塔藓科

- 0039 **Macrothamnium cuculatophyllum** Gao et Aur. (兜叶南木藓), in Bull. Bot. Lab. North-East. Forest. Inst. 7:99. pl. 3. 1980. Xizang: Sangngagqoi-ling (三安曲林), Zang Mu (臧穆) 1582. 1975. 7. 16. T:IFP

Hypnaceae 灰藓科

- 0040 **Homomallium hwangshanense** Chen et P. C. Wu (黄山毛灰藓), in Observationes ad Florulam Hwangshanicam 28. f. 4. 1965. Anhui: Tingtaoting in Huangshan Mountain (黄山听涛亭), P. C. Chen et al. (陈邦杰等) 6620. 1957. 4. 22. T:PE

Leskeaceae 薄罗藓科

- 0041 **Lindbergia ovata** Gao (卵叶细枝藓), in Acta Bot. Yunnan. 3(4): 399. f. 7:13—20. 1981. Xizang: Yadong (亚东), Chen Shukun (陈书坤) 4978. 1974. 5. 29. T:IFP, IT:HKAS
- 0042 **Regniatodon longinervis** Gao (长肪异齿藓), in Acta Bot. Yunnan. 3(4): 398. f. 2:23—27. 1981. Xizang: Yadong (亚东), Yang Yongchang (杨永昌) 1b. 1975. 5. 29. T:IFP

Leucodontaceae 白齿藓科

- 0043 **Leucodon radicalis** Zhang (被根红齿藓), in Acta Bot. Yunnan. 5(4):386. f. 2. 1983. Shaanxi: Xitaibai Mountain (西太白山), C. P. Wei (魏志平) 6132. 1963. 8. 30. T:WUG, IT: HKAS
- 0044 **L. tibeticus** M. X. Zhang (西藏白齿藓), in Acta Bot. Yunnan. 2(4):483. pl. 1—7. 1980. Xizang: Lhünzê (隆子), Zang Mu (臧穆) 1089. 1975. 7. 4. T:HKAS
- 0045 **Pterogonium gracile var. tsinlingense** Chen (圆枝藓秦岭变种), in Acta Phytotax. Sin. 12(3): 347. pl. 70. 1974. Shaanxi: Meixian County (眉县), Z. P. Wei (魏志平) 4851. 1963. 7. 12. T: WUG

Metecoriaceae 蔓藓科

- 0046 **Meteoriopsis conanensis** Gao (错那粗蔓藓), in Acta Phytotax. Sin. 17(4): 116. f. 2:8—31. 1979. Xizang: Cona (错那), 生态室西藏组 M. 7404. 1971. 8. T: IFP
- 0047 **M. squarrosa var. pilifera** Lou (粗蔓藓毛尖变种), in Acta Phytotax. Sin. 21(2): 228. f. 1:7—9. 1983. Xizang: Mêdog (墨脱), Chen Shukun (陈书坤) 4767. 1974. 8. 11. T: HKAS, IT:PE
- 0048 **Meteorium latiphyllum** Lou (阔叶蔓藓), in Acta Phytotax. Sin. 21(1): 226. f. 2:8—10. 1983. Xizang: Mêdog (墨脱), Lang Kaiyong (郎楷永) 523. 1974. 7. 23. T:PE
- 0049 **Papillaria cordatifolia** Lou (心叶松蔓藓), in Acta Phytotax. Sin. 21(2): 224. f. 2: 1—7. 1983. Xizang: Mêdog (墨脱), Lang Kaiyong (郎楷永), 567. 1974. 8. 29. T: PE
- 0050 **Pseudobarbelia valiramosa** Wu et Lou (粗枝假悬藓), in Acta Phytotax. Sin. 21(2): 227. f. 1:1—6. 1983. Xizang: Mêdog (墨脱), Lang Kaiyong (郎楷永) 547a. 1974. 8. 26. T: PE

Mniaceae 提灯藓科

- 0051 **Mnium areolosum** Li et Zang (密网提灯藓), in Acta Bot. Yunnan. 1(1): 73. f. 10. 1979, Sichuan: Xiaojin (小金), P. S. Lee (李普雄) 10039. 1957. 8. 15. T: HKAS
- 0052 **M. cuspidatum var. subintegrum** Chen ex Li et Zang (尖叶提灯藓全缘变种), in Acta Bot. Yunnan. 1(1): 54. f. 5. 1979, Sichuan: Chongqing (重庆), Liou (刘赓年) 1. 1943. T: HKAS
- 0053 **M. denticulosum** Chen ex Li et Zang (密齿提灯藓), in Acta Bot. Yunnan. 1(1): 63. f. 7. 1979, Fujian: Wuyi Mountain (武夷山), P. C. Chen et al. (陈邦杰等) 191. 1955. 4. 6. T:HKAS
- 0054 **M. latilimbatum** Li et Zang (阔边提灯藓), in Acta Bot. Yunnan. 1(1): 67. f. 6. 1979. Xinjiang: Heshan (河山), R. C. Ching (秦仁昌) 3128(b). 1956. 9. 16. T:HKAS
- 0055 **M. leucolepioides** Chen ex Li et Zang (树形提灯藓), in Acta Bot. Yunnan. 1(1): 51. f. 4. 1979. Shaanxi: Taibai Mountain (太白山), Z. P. Wei (魏志平) 1963. 9. 26. T:HKAS
- 0056 **M. longimucronatum** Li et Zang (长尖提灯藓), in Acta Bot. Yunnan. 1(1): 40. f. 1. 1979. Xizang: Nyalam (聂拉木), S. K. Chen (陈书坤) 96. 1975. 6. 25. T: HKAS

- 0057 **M. longispinum** Li et Zang (长齿提灯藓), in Acta Bot. Yunnan. 1(1): 48. f. 3. 1979. Yunnan: Weixi (维西), C. W. Wang (王启无) 4456. 1935. 7. 16. T: HKAS
- 0058 **M. magnirete var. polymorphum** Li et Zang (大网提灯藓异叶变种), in Acta Bot. Yunnan. 1(1): 42. f. 2. 1979. Nei Mongol: Daqing Mountain (大青山), Z. K. Tong (佟治国) 1580. 1963. 6. 7. T: HKAS
- 0059 **M. maximoviczii var. emarginatum** Chen ex Li et Zang (侧枝提灯藓凹顶变种), in Acta Bot. Yunnan. 1(1): 68. f. 8. 1979. Yunnan: Binchuan (宾川), W. S. Hsu (徐文宣) 16. 1954. 8. T: HKAS
- 0060 **M. sichuanense** Li et Zang (四川提灯藓), in Acta Bot. Yunnan. 1(1): 71. 1. 9. 1979. Sichuan: Barkam (马尔康), X. C. Li (黎兴江) 1002. 1958. 6. 17. T: HKAS

Neckeraceae 平藓科

- 0061 **Baldwiniella tibetana** Gao (西藏拟波叶藓), in Acta Phytotax. Sin. 17(4): 117. f. 2: 12—17. 1979. Xizang: Cona (错那), (生态室西藏组) M. 7404 (1). 1974. 8. 8. T: IFP
- 0062 **Homaliodendron microphyllum** Gao (小叶树平藓), in Acta Phytotax. Sin. 17(4): 117. f. 2: 34—41. 1979. Xizang: Mêdog (墨脱), (生态室西藏组) M. 7443, 1974. 8. 26. T: IFP

Orthotrichaceae 木灵藓科

- 0063 **Drummondia prorepens var. latifolia** Ch. Gao (大衣藓宽叶变种), in Fl. Musc. Chin. Bor.-Orient. 380. f. 142. 1977. Jilin: Longtan Mountain (龙潭山), Ch. Gao (高谦) 1859. 1958. 7. 24. T: IFP

Plagiotheciaceae 棉藓科

- 0064 **Plagiothecium formodicum var. rectiapex** D. K. Li (台湾棉藓直尖变种), in Acta Phytotax. Sin. 19(2): 265. f. 1: 11—14. 1981. Xizang: Yadong (亚东), Zang Mu (臧穆) 1965. 7. 29. T: HKAS, IT: SHM
- 0065 **P. rotundifolium** D. K. Li (圆叶棉藓), in Acta Phytotax. Sin. 19(2): 254. f. 1: 1—10. 1981. Xizang: Yadong (亚东), Zang Mu (臧穆) 288. 1975. 4. T: HKAS, IT: SHM

Polytrichaceae 金发藓科

- 0066 **Lyellia minor** W. X. Xu et R. L. Xiong (小扁蒴藓), in Acta Bot. Yunnan