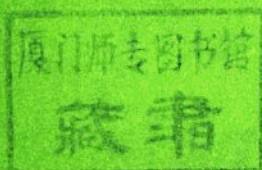




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创 刊 词

陆 维 特

《武夷科学》创刊了。她诞生于我国社会主义建设向四个现代化进军的年代，她诞生于社会在进步，经济在发展，科学将繁荣的福建。她以学术研究性质的刊物出现在读者面前。我祝愿她健康成长，为我国和世界人民谋福利而努力！

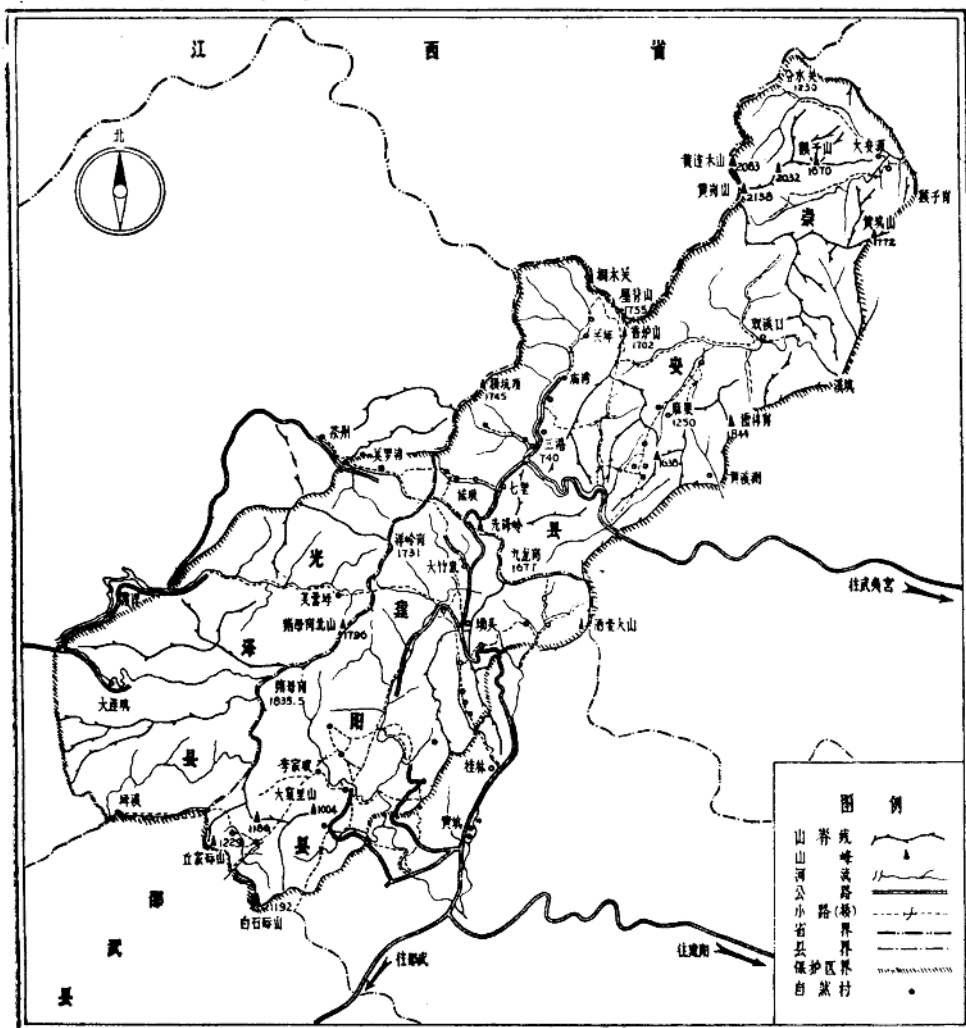
命名《武夷科学》有两重含义，一是代表福建；二是作为武夷山保护区科学考察和研究的学术论坛。武夷山是福建名山，气势磅礴，风景秀丽，中外游客无不为之叹赏不已。挂墩、大竹岚一带，由于地理位置独特——就动物分布来说，位于东洋区北部，接近古北区南缘，就植物分布来说，处于泛北极植物区与热带植物区的过渡地带，雨量充沛，具有原始森林，因此，物种特别丰富，是大量昆虫和其它动物、植物新种的模式标本产地。挂墩、大竹岚以生物标本采集胜地闻名于世界，为国内外学者所羡慕，有人曾把挂墩称为研究亚洲两栖和爬行动物的“钥匙”。一九七九年夏天，国务院批准建立武夷山自然保护区。福建省科学技术委员会在保护区成立了武夷山自然保护区科学工作站，并组织了以省内有关科研单位及大专院校为主，有北京、上海、南京、广东等地科学工作者参加的考察队，在保护区进行包括动物、植物、地理、地质、生态、环境保护、气象、土壤等的综合科学考察，取得了许多成果。《武夷科学》的出版，为这些成果的发表提供了一个园地。

《武夷科学》创刊的宗旨是：侧重基础理论和应用科学；立足本省，面向全国，兼及国外。贯彻科技为经济建设服务，科技要与经济、社会协调进行的方针，紧密结合福建实际，为当前重点发展轻型经济结构，念好“山海经”，建设“八大基地”和经济特区建设服务。此外，还要通过《武夷科学》，同世界各国有关的学术团体和学者建立学术上的联系，以期促进学术交流，为人类造福。

《武夷科学》要贯彻“百家争鸣”的方针，提倡不同学派的学术论点并存和开展争论，提倡解放思想，实事求是，提倡自然科学与社会科学联盟、科学家互相合作共同进步。

她才呱呱坠地，还是个婴儿，但声音宏亮，有强大的生命力。当然，也正因为才来到世界，没有经验，难免有幼稚、错误之处，欢迎各方行家批评指正，共同扶植她茁壮成长。

1981年9月于福州

[illegible]

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福建蕨类植物新种(一)

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(中国科学院植物研究所)

本文报道第一批福建蕨类植物新种, 主要采自武夷山。解放前, 由于调查研究工作做得很少, 对福建丰富的植物资源了解不多。近年来在福建各地采到不少标本, 从中发现许多蕨类植物新种, 拟陆续予以发表, 为《福建植物志》的编写工作, 提供第一手资料。为了避免重复, 新种的中文描述, 请参看《福建植物志》。新种模式标本均保存在中国科学院植物研究所。

福建鳞盖蕨

Microlepia fujianensis Ching, sp. nov.

Species habitu magnitudineque *M. substrigosae* Tagawa similis, differt costis pinnarum supra strigosis, pinnulis subacuminatis magine lobato-serratis, indusiis cupuliformibus, i. e. basi aut lateralibus affixis.

Tota planta ca. 70 cm alta. Stipite 28 cm longo, 2 mm. diam., stramineo, supra basin glabro, lamina ovata, 40 cm longa, 36 cm lata, acuminata, basi paulo angustata, bipinnata, pinnis ca. 15-jugis, suboppositis, oblique patentibus, proximatis, infimis abbreviatis, 11 cm longis, sequentibus usque ad 17 cm longis, 4.5 cm latis, lanceolatis, acuminatis, basi inaequilateralibus, petiolatis (petiolo ca. 5 mm longo), pinnatis; pinnulis ca. 20-jugis, patentibus, proximatis, lanceolatis, 2.4 cm longis, ca. 1 cm basi latis, subacuminatis, basi inaequalibus, postica cuneatis, antica truncatis, margine pinnato-incisis, lobulis acroscopicis 4-5, apice dentatis. Pagina frondis textura in sicco herbacea, virescente, pinnulis utraque subglabris (in venis solum sparse pilosis), costis pinnarum supra pilosis, Soris intramarginalibus, parvis, indusiis cupuliformibus, subglabris.

Fujian, Taining Xian, suburb in thickets, Li Ming-sen 1103 (typus).

本种产福建泰宁县。形体近似粗毛鳞盖蕨 *M. substrigosa* Tagawa, 但羽轴上面有糙毛, 小羽片近渐尖头, 上边缘锐裂, 裂片顶端有牙齿, 不为全缘, 囊群盖杯状(即两侧边也着生)。

渐狭鳞盖蕨

Microlepia attenuata Ching, sp. nov.

* 中国科学院学部委员。

Species proxime affinis *M. pseudostrigosae* Makino, differt multo minore, lamina angustiore ad apicem anguste longeque attenuata et simpliciter pinnata, costis pinnarum supra glabris, pinnulis minoribus obtusis integris, indusiis cupuliformibus.

Fujian: Taining Xian, suburb in fruticetis, Li Ming-sen 141 (typus).

Tota planta usque ad 60 cm alta, Rhizomate repente, dense villosa, frondibus distantibus, stipite usque ad 23 cm longo, 1.5 mm. diam., pallide stramineo. supra basin glabro; lamina ca. 42 cm longa, 6-9 cm medio lata, oblongo-lanceolata, bipinnata sub partem superiorem 14 cm longam lanceolatam acuminatam simpliciter pinnatam; pinnis pinnatis 11-14-jugis, oblique patentibus, alternis, petiolatis, inferioribus late separatis, superioribus proximatis, infimis paulo brevioribus, 5 cm longis, mediis usque ad 8 cm longis, 1.4 cm latis, lanceolatis, paulo falcatis, acuminatis, basi inaequalateralibus, pinnulis usque ad 14-jugis, oblique patentibus, spatio angusto separatis, oblongis, 7 mm longis, 5 mm latis (basali antica majore), obtusis, basi obliquis, margine integris aut paulo undulatis, haud serratis, parte tertia apicali laminae attenuato-acuminata, ca. 14 cm longa, 3 cm. basi lata, simpliciter pinnata; pinnis ca. 22-jugis, proximatis, basilibus usque ad 2 cm. longis, sursum gradatim abbreviatis, oblongo-lanceolatis, acutis, margine undulatis; venis subtus distinctis, furcatis. Pagina frondis textura in sicco herbacea, virescente, utraque pilis aciculatis pallidis in venis sparsis, costis rachique supra glabris, subtus sat dense pilosis. Soris ad partem apicalem frondis restrictis, indusiis parvis cupuliformibus, subglabris.

一个突出的种,产福建泰宁县。形体略近假粗毛鳞盖蕨 *M. pseudostrigosa* Makino, 但远较小,叶片较狭,上部1/3为长的渐狭并为一回羽状,羽片短,羽轴上面无毛,小羽片较小,长圆形,圆钝头,全缘,至多呈波状,囊群盖杯状,故易区别。

武夷粉背蕨

Aleuritopteris wuyishanensis Ching, sp. nov.

Affinis *A. pseudofarinosae* Ching et S. K. Wu, differt multo minore, paleis rhizomatis fuscobrunneis, minoribus, pagina subtus efarinosa aut sparse albo-farinosa.

Tota planta 10-21 cm lata, Rhizomate brevi erecto apice paleis fuscobrunneis lineari-lanceolatis firmis dense oblecto. Frondibus pluribus fasciculatis, stipite 4-12 cm longo, 0.8 mm. diam. tereti, fuscobrunneo nitidulo glabroque; lamina deltoidea, 4-8 cm longa, 3-5 cm basi lata, apice acuta, basi truncata cordata, bipinnatipartita; pinnis 5-9-jugis, recte patentibus, oppositis, sessilibus superioribus paulo adnatis, spatio angusto separatis, infimis majoribus, ad 3 cm longis, 2 cm basi latis, deltoideis, pinnatisectis aut pinnatipartitis; pinnulis 5-7-jugis, basis-copicis quam acroscopicis longioribus, basali maxima et producta, 15-2 cm. longa, ca. 7 mm. lata lanceolata, pinnatipartita; segmentis 5-6-jugis, deltoideis, margine crenulatis, pinnulis sequentibus abbreviatis, usque ad 1 cm longis, 4 mm

latis crenulatis aut integris, pinnulis acroscopicis minoribus, basali usque ad 7 mm longa, margine crenulata, ceteris minoribus integris, pinnis sequentibus minoribus, pinnatipartitis, segmentis integris sed inferioribus crenulatis. Pagina frondis textura firme chartacea in sicco viridi, subtus dilute albo-farinosa aut frondibus juvenalibus efarinosis. Soris marginalibus, indusis discretis margine dentatis.

Fujian: Chong-an Xian, Wuyi-shan, on cliff, alt. 400 m., Wuyi Exped. 1709.

本种不同于假粉背蕨 *A. pseudofarinosa* Ching et S. K. Wu 形体远较小，根状茎的鳞片褐棕色，较小，叶片幼时下面绿色，老时略被灰白色粉末，故易区别。

福建铁角蕨

Asplenium fujianense Ching, sp. nov.

Species ex affinitate *A. wrightii* Eaton, differt multo minore, pinnis brevioribus, 5-8 cm longis, iis e medio sursum secus rachin anguste deccurrentibus, venis ad apicem supra prope marginem pinnarum distincte punctatis, soris crassis multo brevioribus.

Fujian: Chong-an Xian, Wuyi-shan, Wuyi Exped. No. 62 (typus), 267, in forest. Nan-bing, Y. T. Chang 79532, on rocks under forest.

Tota planta 20-35 cm alta. Frondibus fasciculatis, stipite usque ad 16 cm longo, 1.2 mm. diam., virescente, ad basin paleis late lanceolatis, fuscobrunneis clathratis sparse vestito, sursum glabro; lamina anguste oblonga, 15-24 cm. longa, 6-11 cm lata, caudato-acuminata, basi vix angustata, pinnata; pinnis 7-12-jugis, patentibus, petiolatis, late separatis, basalibus vix abbreviatis iis supra medium in alam angustatam deccurrentibus, 4-8 cm longis, ca. 1 cm latis, lanceolatis, acuminatis, basi inaequilateraliter cuneatis, petiolatis, margine remote serrulatis, venis apice supra prope marginem distincte punctatis, Pagina frondis textura chartacea, in sicco viridi, glaberrima. Soris paucis 2-4-jugis pro pinna, crassis, brevibus, 2-5 mm. longis, indusiis angustissimis.

本种产福建崇安武夷山和南平县。形体近似狭翅铁角蕨 *A. wrightii* Eaton, 但远较小，羽片长仅4—8厘米，宽达1厘米，上面近边缘的叶脉顶端的水囊明显下凹，孢子囊群少数，短粗，易于区别。

武夷山铁角蕨

Asplenium wuyishanicum Ching, sp. nov.

Species arcte affine *A. yoshinagae* Makino, differt statura minore, textura tenuiter herbacea, pinnis brevioribus, obtusis, magis laciniatis, margine postico recto, haud incurvo, antico basi non auriculato-producto.

Fujian: Chong-an Xian, Wu-yi Exped. No. 00913, on rocks under forest, alt. 1600 m.

Tota planta usque ad 13 cm alta. Frondes fasciculatae; stipite 3-4 cm longo.

vix 1 mm. diam, virescente, basi paleis lanceolatis fuscobrunneis sparse oblecto; lamina usque ad 10 cm longa, 2 cm lata, lanceolata, acuminata, basi vix angustata, pinnata, pinnis 10-14-jugis, patentibus, separatis, petiolatis, 1.2 cm longis, 6 mm latis, subrhomboides, obtusis, basi cunatis, margine postico recto integroque, antico profunde laciniato; segmentis 5-7, linearibus, integris aut saepe bifidis, venis subtus visibilibus, textura tenuiter herbacea in sicco viridi, glabra. Soris paucis, 1-4 pro pinna, linearibus.

本种产崇安县星村公社, 树塙。形体近似胎生铁角蕨 *A. yoshinagae* Makino, 但较矮小, 叶薄草质, 干后绿色, 羽片钝头, 下边平直, 上侧基部不呈耳状凸起, 边缘撕裂较深, 故易区别。

假密毛毛蕨

Cyclosorus subdentatus Ching, sp. nov.

Species *C. dentato* (Forsk.) Ching persimilis, differt statura minore, pinnis angustioribus, inter se sinu separatis, nec proximatis, rachi laminarum utraque sparse hispidis, nec densissime villosis.

Fujian: Amoy, Wu-shan, Yi Ko-tung (叶国栋) 148 (typus), in forest.

Tota planta 36 cm alta. Rhizomate brevi erecto, frondibus caespitosis. Stipite 17-19 cm longo, ca. 1 mm. diam. stramineo, basi paleis brunneis lanceolatis sparsis, sursum subglabro; lamina oblonga, 20 cm longa, 9 cm. lata, acuminata, basi non angustata truncataque, bipinnatifida; pinnis ca. 13-jugis, patentibus, subsessilibus, oppositis, spatio lato separatis, infimis vix abbreviatis, ambitu sequentibus similibus, mediis 5 cm longis, 1 cm. basi latis, lineari-lanceolatis, acuminatis, basi truncatis; margine pinnatifidis; segmentis ca. 16-jugis, proximatis, patentibus, oblongis, apice acutis; venis in segmentis 5-6-jugis, patentibus, basilibus unijugis e costulae supra basin egressis et junctis. Pagina frondis textura herbacea, in sicco virescente; utraque pilis brevibus sparsis, rachi paulo hirsuta. Soris parvis 2-3-jugis pro segmento, medialibus, indusiis brunneis, dense breviterque hirsutis, persistentibus.

本种产福建厦门禾山。形体最近似密毛毛蕨 *C. densatus* (Forsk.) Ching, 但较小, 羽片较狭, 彼此以间隔分开, 羽片两面疏被短刚毛, 不被密的针状长毛。叶轴疏被短糙毛, 故易区别。

泰宁毛蕨

Cyclosorus tainingensis Ching, sp. nov.

Species affinis *C. subdentato* Ching, recedit rhizomate repente, pinnis alternis, segmentis acutis, vena basali acroscopica e basi costulae, basistopica e costae egressa, indusiis subglabris.

Fujian: Taining Xian, in fruticetis, Li Ning-sen 60 (typus).

Tota planta ca. 28 cm alta. Rhizomate repente, frondibus distantibus. Stipite

ca. 11 cm longo, 1 mm. diam., stramineo, suprabasin glabro; lamina oblonga, usque 20 cm longa, 8.6 cm lata, caudato-acuminata, basi rotundata, bipinnatifida; pinnis ca. 13-jugis, patentibus, proximatis, sessilibus alternis, basalibus unijugis non abbreviatis, ambitu sequentibus similibus, mediis lanceolatis, acuminatis, 5 cm longis, 1 cm supra basi latis, basi latiore rotundo-truncatis, pinnatifidis; segmentis ca. 13-jugis, patentibus, e basi sursum angustatis, apice acutis, segmentis basalibus unijugis paulo majoribus; venis in segmentis 6-jugis, infimis uni-jugis junctis, basali acroscopica e basi costulae, basiscopicae costa pinnae egrediente. Pagina frondis textura in sicco chartacea virescente, pinnis utraque sparse hirsutis, rachi modeste pilosa. Soris 4-6-jugis pro segmento, indusiis brunneis firmulis subglabris.

本种产福建泰宁县西门灌丛中。形体近似假密毛毛蕨 *C. subdentatus* Ching, 但根茎横走, 叶散生, 羽片互生, 裂片尖头, 基部下侧一脉出自主脉基部, 下侧一脉出自羽轴, 囊群盖近光滑 (有极疏毛)。

龙安毛蕨

Cyclosorus lunganensis Ching, sp. nov.

Species arcte affinis *C. subdentato* Ching, differt pinnis inferioribus 4-5-jugis abbreviatis, pinnis alternatis ad apicem caudato-acuminatis, soris majoribus, maturitate contiguis, indusiis sparse pilosis.

Fujian: Taining Xian, Lung-an, Li Ming-sen (李明生) 368 (typus), under dense forest.

Tota planta usque 45 cm alta. Rhizomate? Stipite 13 cm longo, purpurascente, basi paleis brunneis lineari-lanceolatis sparso, sursum glabro; lamina ca. 32 cm longa 10 cm medio lata, oblonga, acuminata, basin versus angustata, bipinnatifida; pinnis ca. 18-jugis patentibus, alternis, spatio angusto separatis, inferioribus 4-5-jugis abbreviatis, infimis 2.4 cm longis, oblongis apice acutis, pinnis mediis 5 cm longis, 1 cm. basi latis, parte tertia superiore paulo latiore, apice caudato-acuminata, fere integra, basi truncata, margine pinnatifida; segmentis ca. 16-jugis, patentibus, oblongis, acutis; venis in segmentis 5-6-jugis, basalibus uni-jugis e costulae supra basin egredientibus et junctis sub sinum. Pagina frondis textura in sicco chartacea, obscure viridi, pinnis utraque sparse hirsutis, rachi modeste hirsuta. Soris 5-6-jugis pro segmento; magnis, contiguis, indusiis brunneis firmis sparse pilosis.

本种产福建泰宁县龙安。形体颇近似假密毛毛蕨 *C. subdentatus* Ching, 但羽片互生, 下部4—5对羽片明显缩短, 叶柄淡紫色, 孢子囊群大, 彼此密接, 囊群盖仅有疏柔毛, 故易区别。

武夷山凸轴蕨

Metathelypteris wuyishanica Ching, sp. nov.

Species e turba *P. hattorii* (H. Ito) Ching, differt fronde oblonga, pinnis infimis sequentibus ambitu similibus, nec majoribus, pagina frondis utraque glabra, costis pinnarum supra villosis exceptis, indusiis minutis brunneis glabris, fugaceis.

Fujian: Chong-an Xian, Wuyi-shan, Wuyi Exped. 360 (typus) on rocks under shade.

Tota planta 42 cm alta. Rhizomate brevi erecto, frondibus fasciculatis. Stipite 20 cm longo, ca. 1 mm. diam., stramineo, basi paleis atrobrunneis lanceolatis dense oblecto, sursum glabro; lamina oblonga, ca. 25 cm. longa, 15 cm. basi lata, acuminata bipinnata; pinnis ca. 10-jugis, patentibus, oblongo-lanceolatis, falcatis, inferioribus late separatis, basalibus sequentibus fere similibus 7 cm longis, 3 cm latis, breviter petiolatis, pinnato-pinnatilobatis; pinnulis ca. 14-jugis, patentibus, basin versus abbreviatis, basi anguste confluentibus, basiscopiis quam acrosopiciis longioribus, 2 cm longis 5 mm, latis, lanceolatis (basali abbreviata), pinnatilobatis, pinnulis acrosopiciis 1.2 cm longis, 3 mm. latis, lobatis. Textura frondis in sicco tenuiter herbacea, colore brunnescente, utraque glabra costis pinnarum villosis exceptis. Soris parvis, medialibus, 4-5-jugis pro pinnula; indusiis minutis brunneis, fugaceis, glabris.

本种产福建崇安武夷山星村公社。形体略近林下凸轴蕨 *M. hattorii* (H. Ito) Ching, 但叶片为长圆形, 不为三角形, 基部一对羽片和上一对几等大, 上下两面除羽轴上面有长柔毛外, 其余光滑, 囊群盖很小, 无毛, 早落, 故易区别。

挂墩鳞毛蕨

Dryopteris quatanensis Ching, sp. nov.

Species proxime affinis *D. rosthornii* (Diels) C. Chr., differt statura multo altiore, stipite ultra 20 cm longo cum rachi paleis brunneis, nec nigris vestito, pinnis numerosis (ca. 27-jugis).

Fujian: Chong-an Xian, Quatan, Wuyi-shan, Wuyi Exped. 2106, 915 (typus). in dense forest, alt. 1600 m.

Tota planta ca. 84 cm alta. Stipite 20 cm longo, 2.3 mm diam. cum rachi paleis brunneis, lineari-lanceolatis dense vestito; lamina oblanceolata, ca. 54 cm longa, 14 cm medio lata, acuminata, basin versus angustiore, 9 cm lata, bipinnatisecta; pinnis ca. 27-jugis, patentibus, proximatis, sessilibus, basalibus 4.5 cm longis, mediis ca. 8.5 cm longis, 1.5 cm basi latis, lineari-lanceolatis, subfalcatis, acuminatis, basi truncatis, pinnatisectis; segmentis ca. 20-jugis, patentibus, contiguis, rectangularibus, 8 mm. longis, 2.5 mm. latis, apice truncatis dentatis, margine integris; venis distinctis, in segmentis 6-7-jugis, furcatis, basali anteriore saepe simplicis. Fronde textura in sicco tenuiter chartacea, viridi, supra glabra, subtus secus costas paleis brunneis lanceolatis sparsis. Soris parvis, 2-4-jugis pro segmento medialibus; indusiis atrobrunneis, firmis, delapsis.

本种产福建崇安县挂墩。形体略近 *D. rosthornii* (Diels) C. Chr., 但植株远较高, 叶柄较长 (达20厘米), 连同叶轴密被深棕色鳞片, 羽片远较多 (约27对), 故易区别。

永田鳞毛蕨

Dryopteris changii Ching, sp. nov.

Species gregis *D. championii* (Benth) C. Chr. differt pinnis angustioribus, inter se separatis, pinnulis minoribus margine serrulatis, basiscopiosis acroscopicis ambitu similibus, nonlobatis, costis pinnarum subtus paleis bullatis caudatis dense obtectis.

Fujian: Chong-an Xian, Wuyi-shan, Wuyi Exped. 131 (typus).

Tota planta ca. 65 cm alta. Stipite 32 cm longo, 3.5 mm. diam., stramineo, paleis atrobrunneis, ovatis acuminatis dense vestito; lamina oblonga ca. 34 cm longa, 18 cm basi lata, acuminata, bipinnata; pinnis pinnatis ca. 10-jugis, patentibus, separatis, breviter petiolatis, basalibus uni-jugis sequentibus ambitu similibus, 10 cm longis, 2. cm latis, lanceolatis, acuminatis, basi rotundo-truncatis; pinnulis ca. 19-jugis, patentibus, proximatis, oblongo-lanceolatis, apice obtusis, margine serrulatis, basiscopiosis acroscopicis ambito fere similibus, ca. 1.5 cm longis, 6 mm. basi latis, una basali abbreviata, Fronde textura in sicco firme chartacea, brunneo-viridi, costis pinnarum subtus paleis brunneis bullatis caudatis dense vestitis, rachi paleis late lanceolatis apice filiformibus sat dense oblecta. Soris parvis, medialibus, 3-5-jugis pro pinnula; indusiis brunneis, firmis, demum delapsis.

本种产福建崇安县星村公社。形体近似阔鳞鳞毛蕨 *D. championii* (Benth.) C. Chr., 但较小, 羽片较狭, 基部羽片的小羽片不为浅裂, 下侧的几与上侧的同大, 羽轴下面密被棕色泡状鳞片, 顶部长尾形。

无齿鳞毛蕨

Dryopteris integripinnula Ching, sp. nov.

Species insignis adspectu *D. fuscipedi* C. Chr. persimilis, differt statura minore, stipite rachique paleis nigrescentibus vestitis, pinnis minoribus, pinnulis minoribus, basiscopiosis acroscopicis ambitu similibus margine integris, soris majoribus costularibus contiguis, plerumque 4-5 pro segmento.

Fujian: Taining Xian K. L. Tsai 621 (typus), in shade in valley, alt. 900 m.

Tota planta ca. 60 cm alta. Stipite 28 cm longo, 2 mm. diam., stramineo, basi paleis nigrescentibus, patentibus, lanceolatis dense oblecto, sursum minoribus sparso; lamina usque ad 32 cm longa, 11 cm lata, elongate oblonga, acuminata, basi rotunda, bipinnata; pinnis pinnatis ca. 8-jugis, oblique patentibus, separatis, oppositis, basalibus vix abbreviatis, sequentibus usque ad 8.5 cm longis, 1.7 cm basi latis, lanceolatis acuminatis, basi rotundatis aequilateralibus; pinn-

ulis ca. 10-jugis, patentibus, proximatis, paulo adnatis, oblongis, 8 mm. longis, 5 mm. latis, margine integris, pinnula basali basiscopica non abbreviata, Pagina frondis textura in sicco firme chartacea, lutescente, costis pinnarum subtus paleis brunneis bullatis copice obtectis, supra glabris, rachi paleis lanceolatis nigrescentibus sparsis. Soris magnis contiguis, costularibus 4-5 pro pinnula in parte dimidia inferiore dispositis; indusiis magnis, rufobrunneis, firmis, persistentibus.

本种产福建泰宁县。形体最近似黑足鳞毛蕨 *D. fuscipes* C. Chr., 但较小, 叶柄和叶轴上的鳞片近黑色, 羽片较短较狭, 小羽片较短, 圆头, 无锯齿, 孢子囊群较大, 较密, 紧靠主脉, 生于小羽片下半部, 故易区别。

泰宁鳞毛蕨

Dryopteris tarningsensis Ching, sp. nov.

Species gregis *D. fuscipedis* C. Chr., recedit stipite rachique paleis nigrescentibus, lamina anguste oblonga (ob pinnas inferiores sub angulo acuto valde adscendentes), pinnulis angustioribus basi utrinque vix auriculato-dilatatis, margine conspicue crenatoserratis, soris costularibus.

Fujian: Taining Xian, Li Ming-sen 909 (typus) und er forest by roadside.

Tota planta 64 cm alta. Stipite 30 cm longo, 3 mm. diam., stramineo, paleis nigrescentibus lanceolatis patentibus copice vestito; lamina 35 cm longa, ca. 12 cm medio lata, anguste oblonga, acuminata basi ob pinnas infimas valde adscendentes cuneata, bipinnata; pinnis pinnatis ca. 9-jugis, suboppositis, valde adscendentibus contiguisque, basalibus non abbreviatis, sequentibus 12 cm longis, 2.7 cm latis, lanceolatis, acuminatis, basi rotundatis, pinnulis ca. 15-jugis, patentibus, proximatis, oblongis, basiscopicis quam acroscopicis longioribus, usque ad 1.5 cm. longis, ca. 5 mm. latis margine crenato-serrulatis, basi vix auriculato-dilatatis, pinnula basali abbreviata. Fronde textura tenuiter chartacea, in sicco obscure viridi, costis pinnarum subtus paleis brunneis bullatis copice vestitis, supra glabra, rachi paleis lineari-subulatis nigrescentibus sat dense oblecta. Soris 4-6-jugis pro pinnula, contiguis, costularibus, indusiis brunneis, firmis, demum delapsis.

本种产福建泰宁县。形体最近似黑足鳞毛蕨 *D. fuscipes* C. Chr., 但叶柄、叶轴上的鳞片近黑色, 叶片轮廓为狭长圆形, 因侧生下部羽片以狭角强度向上斜升, 小羽片较狭, 基部两侧几不呈耳形凸起, 孢子囊群紧靠主脉, 彼此密接、汇合, 故易区别。

光泽鳞毛蕨 (变种)

Dryopteris decipiens (Hook.) O. Ktze. var. *subbipinnata* Ching, var. nov.

A forma normali cui habitu gracili optime congruit, differt pinnis inferioribus fere pinnatis aut pinnatisectis, segmentis basiscopicis quam acroscopicis longioribus, usque ad 1.4 cm. longis 4 mm. latis.

Fujian: Quang-tsai Xian, Y. T. Chang 79036 (typus), in silvis umbrosis, alt. 500 m.

本变种不同于原种之点在于下部羽片羽状全裂或深裂，下侧裂片比上侧裂片为长（1.4厘米）。其它方面，如瘦弱的形体、色泽、质地以及上部羽片，均与原种一致。

武夷耳蕨

Polystichum wuyishanense Ching et Shing, sp. nov.

Adspectu affinis *P. makinoi* Tagawa, differt pinnis inter se 2.5 cm. separatis, pinnula basali acroscopica multo elongata et in lacinias 3-4-juga partita, pinnula basali basiscopica ceteris simili sed auricula antica fere libera.

Fujian: Chong-an Xian, Wuyi-shan, Wuyi Exped. 2058 (typus), in dense forest, alt. 700 m.

Tota planta usque ad 58 cm lata. Stipite 22 cm. longo, 2 mm. diam. stramineo, parte inferiore paleis fuscobrunneis aut brunneis oblongis, magnis dense oblecto, sursum paleis lanceolatis brunneis consperso; lamina oblonga, ca. 35 cm longa, 18 cm lata, acuminata, basi vix angustata, bipinnata; pinnis ca. 15-jugis patentibus, alternis, ca. 2.5 cm inter se remotis, mediis 9 cm. longis, 2 cm supra basin latis, lineari-lanceolatis, breviter acuminatis, basi inaequilateralibus, pinnatis; pinnulis ca. 16-jugis, patentibus, oblongis, 1 cm. longis, 6 mm. basi latis antica deltoideo-auriculatis margine integris aristatoferis, pinnula basali acroscopica multo elongata, 2 cm longa, ad rachim appressa, in lacinias 3-4-juga partita, pinnula basiscopica ceteris pinnulis simili sed auricula antica fere libera. Pagina frondis textura in sicco chartacea virescente, utraque subglabra (supra fibrillis brunneis conspersis), costis rachique paleis lanceolatis brunneis apice filiformibus dense oblectis, iis racheos plerumque valde deflexis. Soris parvis, utraque costae latere uniseriatis, medialibus, indusiis brunneis, demum delapsis.

本种产福建崇安县星村公社武夷山。形体最近似黑鳞耳蕨 *D. makinoi* Tagawa，但羽片不密接，有狭间隔分开，基部上侧一片小羽片伸长达2厘米，紧靠叶轴，羽状深裂，裂片3—4对，基部下侧一片小羽片与其它小羽片同大，但基部上侧的耳片几分离，故易区别。

尖头耳蕨

Polystichum acutipinnulum Ching et Shing, sp. nov.

Species configuratione magitudineque *P. wuyishanensi* Ching et Shing persimili, differt pinnulis acutis nec obtusiusculis, margine serratis, nec integris, auricula antica majore e dente supero incisione separata, textura paginae firmiore, venis subtus distincte impressis.

Fujian: Chong-an, Tung-mo-Kwan, Wuyi Exped. No. 1576 (typus).

本种产福建崇安县桐木关。形体大小酷似武夷山耳蕨 *P. wuyishanense* Ching et Shing，但小羽片尖头，不是近钝头，边缘有锯齿，不是近全缘，基部上侧耳片较大，并与上一个锯齿以一个深缺刻分开，叶为厚纸质，下面叶脉明显凹陷，故易区别。

武夷假瘤蕨

Phymatopsis wuyishanica Ching et Shing sp. nov.

Species habitu arcte affinis *P. veitchii* (Baker) Ching a qua differt lamina basi cordata pinnis infimis deflexis, nec recte patentibus, margine integris, sine incisura remota.

Fujian: Chung-an Xian, Hwang-kan Shan, on cliff, Wuyi Exped. 1737 (typus), alt. 1400 m.

Tota planta usque ad 13 cm alta. Rhizomate longe repente, ca. 2 mm. diam, apice paleis brunneis lanceolatis ciliatis dense imbricato, frondibus ca. 8 mm. distantibus, phyllopodiis prominentibus paleaceis praedito. Stipite usque ad 5 cm longo, 1.4 mm. diam., stramineo, glabro; lamina ambitu deltoidea, basi cordata, 7 cm. longa lataque, impari-pinnatifida, pinnis 1-2-jugis, patentibus basalibus deflexis, 3.5 cm longis, 1.5 cm latis, oblongis, obtusis, basi postica cuneato-abscissis, margine integris (incisuris remotis nullis), pinnis sequentibus ambitu similibus paulo minoribus, apice acutis, basi confluentibus, pinna terminali simili, acuta, basi constricta. Pagina frondis textura in sicco chartacea, viridescente, utraque glabra; venis lateralibus distinctis, oblique patentibus. Soris mediocribus; utraque costae latere uniseriatis, paulo inframedialibus, inter se separat.

本种产福建崇安武夷山黄岗山。形体大小最近似日本的 *P. veitchii* (Baker) Ching, 但叶片基部心脏形, 基部一对羽片向下反折, 边缘全缘, 不具疏缺刻, 故易区别。

泰宁假瘤蕨

Phymatopsis tarningsensis Ching, sp. nov.

Species arcte affinis *P. hastatae* (Thunb.) Kitagawa f. *simplici* Ching, differt lamina textura tenuiore, subtus viridi nec glaucescente, soris costae propioribus; etiam affinis *P. fukiensi* Ching, recedit lamina ambitu latiore basin versus dilatata, soris costae propioribus, nec medialibus, sporis globosis, nec oblongis, facie longe denseque spinulosis.

Fujian: Taining Xian, Li Ming-sen 537 (typus) in dense forest.

Planta terrestris. Rhizomate repente, ca. 2 mm. diam., apice dense paleaceo, paleis rufobrunneis, lanceolatis, minutis, frondibus distantibus, stipite gracili, 4-6 cm longo, ca. 0.5 mm. diam. stramineo, glabro; lamina late lanceolata, 6-9 cm longa, 1.5-2 cm lata, acuminata, basi rotundo-cuneata, integra sed remote minuteque incisa, venis lateralibus visibilibus, oblique patentibus, 4 mm. distantibus. Pagina frondis textura tenuiter chartacea, utraque viridi glabraque. Soris mediocribus, utraque costae latere uniseriatis, et costae propioribus. Sporis globosis, facie sat dense longeque spinulosis.

本种产福建泰宁县。形体最近似单叶金鸡脚 *P. hastata* (Thunb.) Kitagawa f. *simplex*

Ching, 但鳞片较小, 叶质薄, 下面绿色, 孢子囊群较近主脉, 不是中生, 孢子球圆形, 不是椭圆形, 表面有密长刺, 不是疏短刺, 故易区别。

无柄线蕨

Colysis subsessilifolia Ching, sp. nov.

Species *C. wrightii* (Hook.) Ching affinis, differt frondibus fertilibus sterilibusque similibus, parte inferiore abrupte contractis et in alam 1.5 cm latam fere usque ad basin stipitis decurrentibus.

Fujian: Taining Xian, Li Ming-sen 558 (typus), on rocks under forest.

Tots planta ca. 34 cm alta. Rhizomate repente, 6 mm. diam., paleis fuscobrunneis lanceolatis denticulatis dense oblecto. Frondibus 1-2 cm distantibus, monomorphis, lanceolatis 4-5.4 cm latis, margine paulo undulatis, parte inferiore abrupte contractis et in alam 1.5 cm latam parallelam fere usque ad basin stipitis decurrentibus, pagina textura in sicco tenuiter chartacea, obscure viridi utraque glabra, venis lateralibus visibilibus patentibusque. Soris linearibus e costa fere ad marginem egredientibus 5-6 mm. inter se remotis.

本种产福建泰宁县。形体略似褐叶线蕨 *C. wrightii* (Hook.) Ching, 但能育叶和不育叶同形, 叶片下部突然狭缩成阔翅(宽约1.5厘米), 长下延达叶柄基部1厘米处, 叶干后为褐绿色, 不为褐色, 故易区别。

密果瓦韦

Lepisorus myriosorus Ching, sp. nov.

Adspectu *L. contorto* (Ching) Ching similis, differt lamina minore, lineari-lanceolata breviter petiolata, paleis rhizomatis angustioribus, opaquis, soris numerosis, proximatis, maturitate contiguus magnis, 3.5 mm. diam.

Fujian: Chung-an Xian, Wuyi Exped. No. 1138, on rocks alt. 950m.

Total planta 13 cm alta. Rhizomate late repente, paleis lanceolatis, fuscis margine paulo brunneis dense oblecto. Frondibus ca. 1 cm distantibus, stipite ca. 1 cm longo supra basin glabro; lamina lineari-lanceolata, 8-10mm. lata, acuminate, basi decurrente, textura firme chartacea in sicco virescente, utraque glabra. Soris numerosis medialibus, proximatis maturitate magnis contiguus, 3.5mm. diam.

本种产福建崇安武夷山挂墩。形体略近似扭瓦韦 *L. contortus* (Christ) Ching, 但较小, 线状披针形, 根状茎上的鳞片较小, 不透明, 孢子囊群大, 多而密, 成熟时彼此接触, 直径约3.5毫米, 故易区别。