

TREE FERNS OF ANDEAN PERU, BOLIVIA, AND ARGENTINA

Adrian Tejedor¹ and Gloria Calatayud²

¹School for Field Studies, Peru; ²Universidad San Antonio Abad del Cusco, Peru

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Photos by Adrian Tejedor and Gloria Calatayud (where indicated). Produced by Adrian Tejedor. Thanks to the Amazon Conservation Association and the School for Field Studies for support, to Marcus Lehnert for help with identifications, and to Julio Risco for company in the field. Funded in part by the Swiss National Fund (grant SNF-310030L_146906) and by a generous contribution from Kathy Ruttenberg. © Adrian Tejedor [adriantejedor@gmail.com] and Gloria Calatayud. [fieldguides.fieldmuseum.org] [867] version 1 03/2017



1 *Alsophila cuspidata* [Bol, Per] - Cyatheaceae



frond apex



trunk apex



crozier



petiole



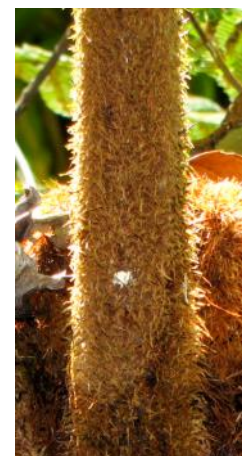
pinnule



2 *Alsophila engelii* [Per] - Cyatheaceae



3 *Alsophila erinacea* [Bol, Per] - Cyatheaceae



4 *Alsophila gastonyi* [Per] - Cyatheaceae



5 *Alsophila imrayana* [Per] - Cyatheaceae



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6 *Alsophila incana* [Per] - Cyatheaceae



frond apex



trunk apex



crozier



petiole



pinnule



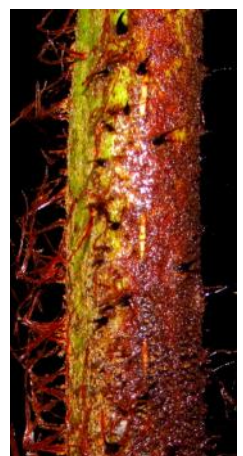
7 *Alsophila mostellaria* [Bol, Per] - Cyatheaceae



8 *Alsophila minervae* [Bol, Per] - Cyatheaceae



9 *Alsophila odonelliana* [Arg, Bol] - Cyatheaceae



10 *Alsophila paucifolia* [Per] - Cyatheaceae



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11 *Alsophila salvinii* [Per] - Cyatheaceae



frond apex



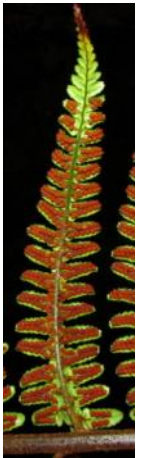
trunk apex



crozier



petiole



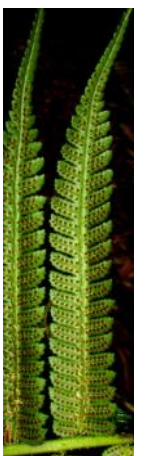
pinnule



12 *Cyathea abrapatriciana* [Per] - Cyatheaceae



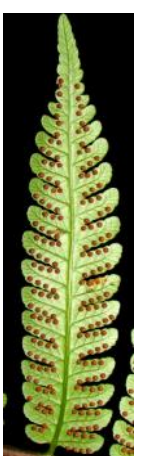
13 *Cyathea acutidens* [Per] - Cyatheaceae



14 *Cyathea alatissima* [Per] - Cyatheaceae



10 *Cyathea andina* [Bol, Per] - Cyatheaceae



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16 *Cyathea arnecornelii* [Per] - Cyatheaceae



frond apex



trunk apex



crozier



petiole



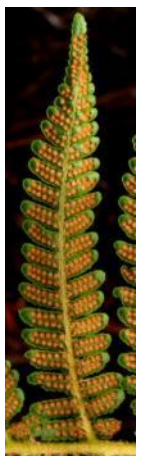
pinnule



17 *Cyathea atahuallpa* [Per] - Cyatheaceae



18 *Cyathea aterrima* [Per] - Cyatheaceae



19 *Cyathea austropallescens* stout, solitary form [Bol, Per] - Cyatheaceae



20 *Cyathea austropallescens* creeping, branched form [Bol, Per] - Cyatheaceae



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21 *Cyathea bipinnatifida* [Bol, Per] - Cyatheaceae



frond apex



trunk apex



crozier



petiole



pinnule



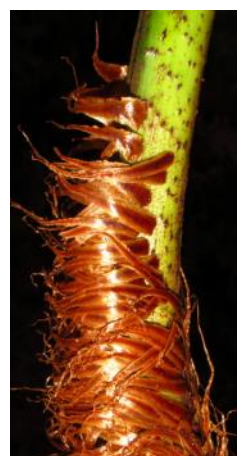
22 *Cyathea calamitatis* [Per] - Cyatheaceae



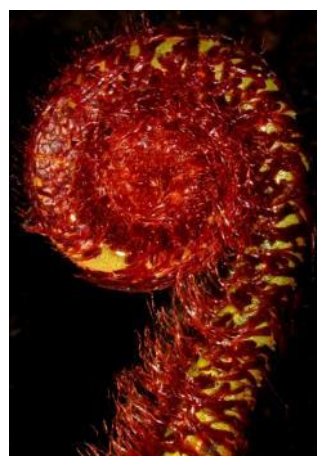
23 *Cyathea carolihenrici* mid elevation form [Bol, Per] - Cyatheaceae photo of trunk apex by GC



24 *Cyathea carolihenrici* high elevation form [Bol, Per] - Cyatheaceae



25 *Cyathea catacampta* [Bol, Per] - Cyatheaceae



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26 *Cyathea chontilla* [Per] - Cyatheaceae



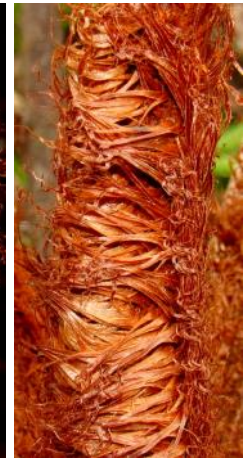
frond apex



trunk apex



crozier



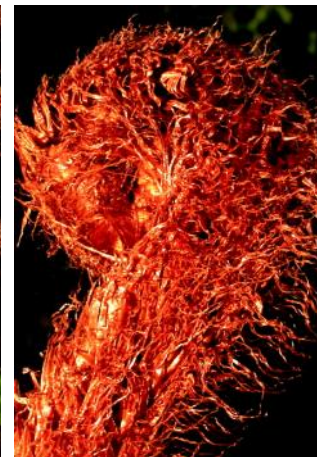
petiole



pinnule



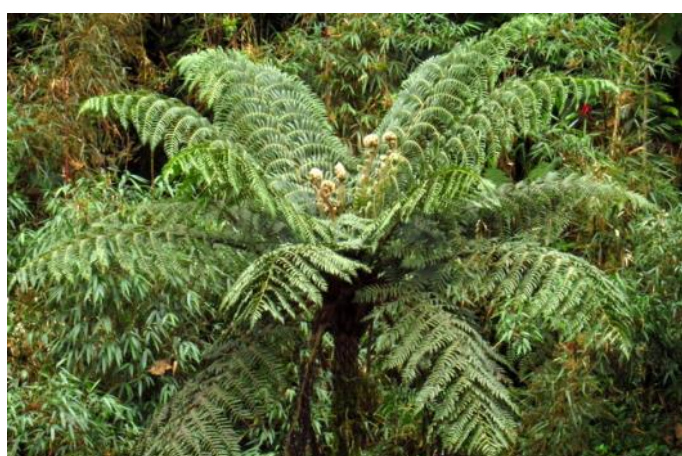
27 *Cyathea concordia* [Per] - Cyatheaceae



28 *Cyathea conjugata* [Bol, Per] - Cyatheaceae



29 *Cyathea crenata* [Per] - Cyatheaceae



30 *Cyathea cystolepis* [Per] - Cyatheaceae



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31 *Cyathea delgadii* [Bol, Per] - Cyatheaceae



frond apex



trunk apex



crozier



petiole



pinnule



32 *Cyathea diabolica* [Per] - Cyatheaceae



33 *Cyathea dintelmannii* [Bol, Per] - Cyatheaceae



34 *Cyathea divergens* [Per] - Cyatheaceae



35 *Cyathea dombeyi* [Bol, Per] - Cyatheaceae



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36 *Cyathea dudleyi* [Per] - Cyatheaceae



frond apex



trunk apex



crozier



petiole



pinnule



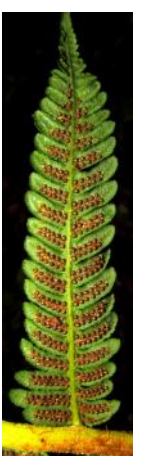
37 *Cyathea ebenina* [Per] - Cyatheaceae



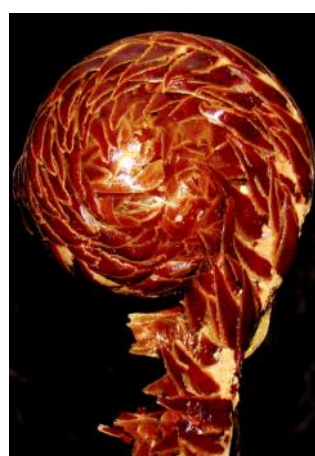
38 *Cyathea ewanii* [Per] - Cyatheaceae



39 *Cyathea frondosa* [Bol, Per] - Cyatheaceae



40 *Cyathea frigida* [Per]* - Cyatheaceae



*species not photographed in the area covered in this guide but reported from Peru by Lehnert (2011)

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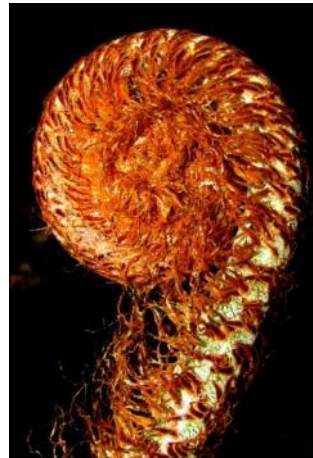
41 *Cyathea gibbosa* [Per] - Cyatheaceae



frond apex



trunk apex



crozier



petiole



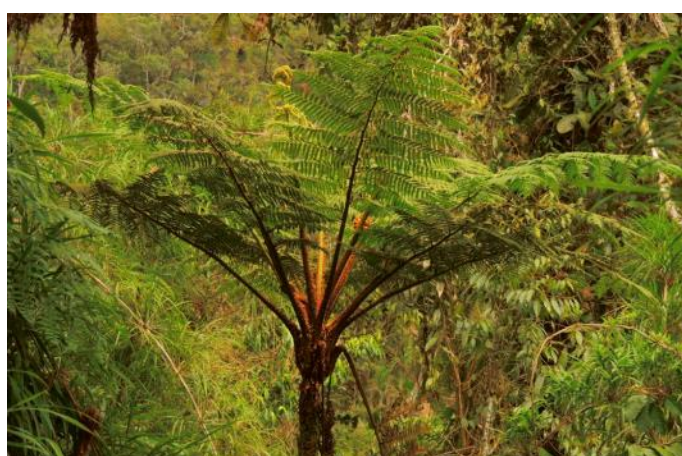
pinnule



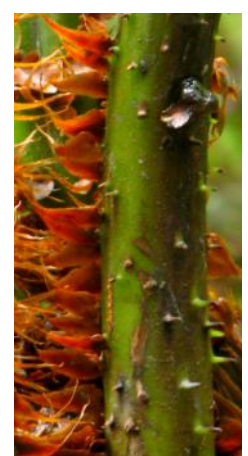
42 *Cyathea gracilis* epiphytic habit [Per] - Cyatheaceae



43 *Cyathea gracilis* terrestrial habit [Per] - Cyatheaceae



44 *Cyathea herzogii* [Bol, Per] - Cyatheaceae



45 *Cyathea horrida* [Per] - Cyatheaceae



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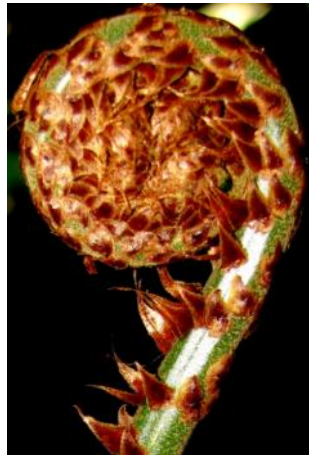
46 *Cyathea lasiosora* [Per] - Cyatheaceae



frond apex



trunk apex



crozier



petiole



pinnule



47 *Cyathea latevagans* widespread form [Per] - Cyatheaceae



48 *Cyathea latevagans* "huancabamba" form [Per] - Cyatheaceae



49 *Cyathea lechleri* [Bol, Per] - Cyatheaceae



50 *Cyathea leucolepismata* [Bol, Per] - Cyatheaceae



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51 *Cyathea lindeniana* [Per] - Cyatheaceae



frond apex



trunk apex



crozier



petiole



pinnule



52 *Cyathea meridensis* [Per] - Cyatheaceae



53 *Cyathea microdonta* [Bol, Per] - Cyatheaceae



54 *Cyathea microphylla* [Per] - Cyatheaceae



55 *Cyathea moranii* [Per] - Cyatheaceae



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56 *Cyathea mucilagina* [Bol, Per] - Cyatheaceae



frond apex



trunk apex



crozier



petiole



pinnule



57 *Cyathea multisegmenta* [Per] - Cyatheaceae



58 *Cyathea nephele* [Per] - Cyatheaceae



59 *Cyathea nervosa* [Per] - Cyatheaceae



60 *Cyathea obnoxia* [Bol, Per] - Cyatheaceae



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61 *Cyathea oreopteroides* [Per] - Cyatheaceae



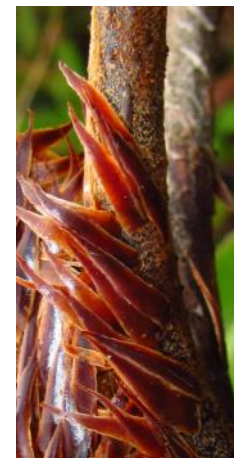
frond apex



trunk apex



crozier



petiole



pinnule



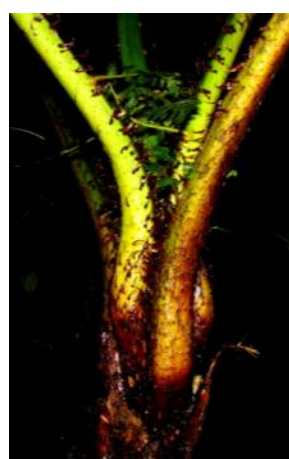
62 *Cyathea palaciosii* [Per]* - Cyatheaceae



63 *Cyathea parvifolia* [Bol, Per] - Cyatheaceae



64 *Cyathea patens* [Per]* - Cyatheaceae



65 *Cyathea peladensis* [Bol, Per] - Cyatheaceae



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66 *Cyathea pilosissima* [Per] - Cyatheaceae



frond apex



trunk apex



crozier



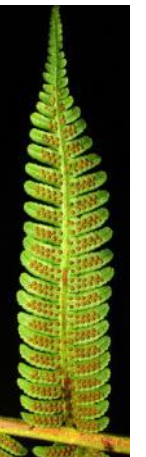
petiole



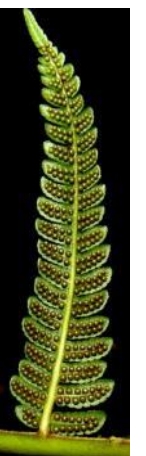
pinnule



67 *Cyathea planadae* [Bol, Per] - Cyatheaceae



68 *Cyathea plicata* [Per]* - Cyatheaceae



69 *Cyathea poeppigii* [Bol, Per] - Cyatheaceae



70 *Cyathea polliculi* [Per] - Cyatheaceae



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71 *Cyathea praetermissa* arborescent form [Per] - Cyatheaceae frond apex



trunk apex



crozier



petiole



pinnule



72 *Cyathea praetermissa* dwarf, creeping form [Per] - Cyatheaceae



73 *Cyathea pungens* [Bol, Per] - Cyatheaceae



74 *Cyathea ruiziana* [Bol, Per] - Cyatheaceae



75 *Cyathea serpens* [Per] - Cyatheaceae



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76 *Cyathea squamipes* [Bol, Per] - Cyatheaceae



frond apex



trunk apex



crozier



petiole



pinnule



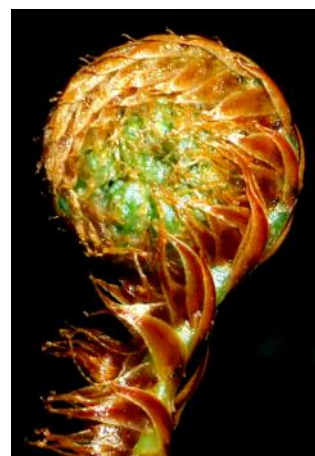
77 *Cyathea straminea* [Per] - Cyatheaceae



78 *Cyathea subincisa* [Bol, Per] - Cyatheaceae



79 *Cyathea thelypteroides* [Bol, Per] – Cyatheaceae photo of habit by GC



80 *Cyathea tortuosa* [Per] - Cyatheaceae



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81 *Cyathea traillii* [Per] - Cyatheaceae



frond apex



trunk apex



crozier



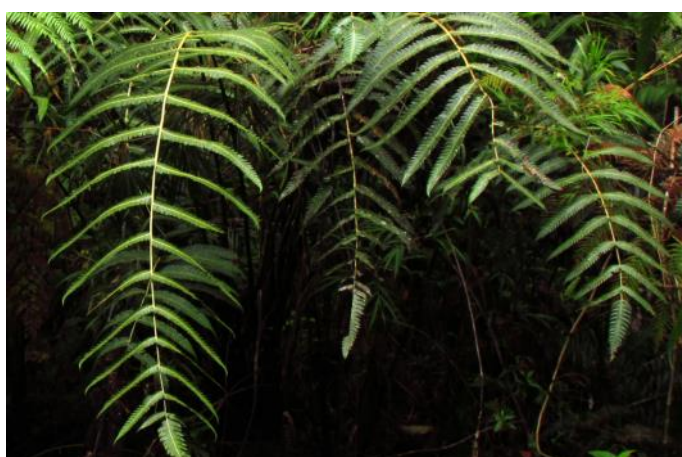
petiole



pinnule



82 *Cyathea tungurahuae* [Per]* - Cyatheaceae



83 *Cyathea uleana* [Bol, Per] - Cyatheaceae



84 *Cyathea ulei* [Bol, Per] - Cyatheaceae



85 *Cyathea werffii* [Per] - Cyatheaceae photo of habit by GC



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86 *Cyathea whilhelmii* [Bol, Per] - Cyatheaceae



frond apex



trunk apex



crozier



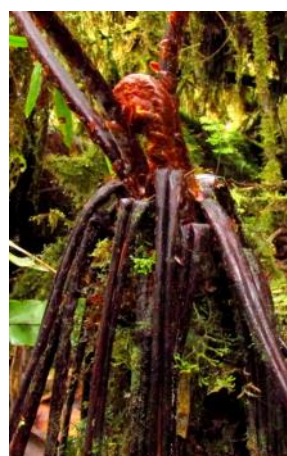
petiole



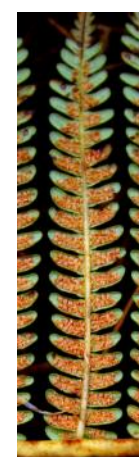
pinnule



87 *Cyathea zongoensis* [Bol, Per] - Cyatheaceae



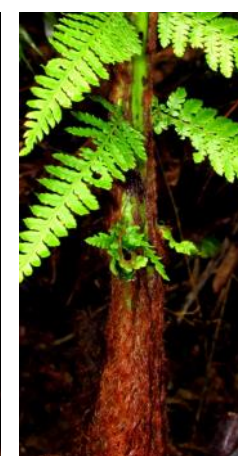
88 *Sphaeropteris quindiuensis* [Bol, Per] - Cyatheaceae



89 *Culcita conifolia* [Bol, Per] - Dicksoniaceae



90 *Dicksonia karsteniana* [Bol, Per] - Dicksoniaceae



TREE FERNS OF ANDEAN PERU, BOLIVIA, AND ARGENTINA

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91 *Dicksonia stuebelii* [Per] – Dicksoniaceae



frond apex



trunk apex



crozier



petiole



pinnule



92 *Lophosoria christii* [Per] - Dicksoniaceae



93 *Lophosoria quadripinnata* var. *bilineata* [Per] - Dicksoniaceae



94 *Lophosoria quadripinnata* var. *quadripinnata* [Bol, Per] - Dicksoniaceae



95 *Lophosoria revoluta* [Per] - Dicksoniaceae

