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Mosses and Liverworts of Hawaii -
a picture book

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Foreword

In February 2011, the lichenologist Felix Schumm and I spent holidays in Oahu, Maui and Big Island. The scientific results dealing with mosses were published by Frahm (2011). Part of the bryophyte pictures taken during this trip are composed here, giving some impressions of the bryoflora of Hawaii.

The latest checklist of the moss flora of Hawaii was presented by Staples et al. (2004). The liverworts of Hawaii were treated by Staples & Imada (2006). Both publications provide updated general information on the bryoflora of Hawaii.

Since the journal *Tropical Bryology* is available for free on the internet, details concerning the species diversity on the islands of the archipelago, rates of endemism, phytogeographical relationships of the species and the relevant literature are not repeated here.

Frahm, J.-P. 2011. A contribution to the moss flora of Hawaii, with the description of *Breutelia griffinii*, sp. nov. *Tropical Bryology* 33: 35-42.

Staples, G.W. Imada, C.T., Hoe, W.J., Smith, C.W. 2004. A revised checklist of Hawaiian mosses. *Tropical Bryology* 25: 35-69.

Staples, G.W., Imada, T.W. 2006. Checklist of Hawaiian Anthocerotales and Hepaticae. *Tropical Bryology* 28: 13-48.

MOSSES



Acroporium fusco-flavum



Anoectangium euchloron



Bartramia baldwinii



Brachythecium lamprocarpum



Breutelia griffinii



Breutelia pilosa



Bryum lanatum



Bryum megalostomum



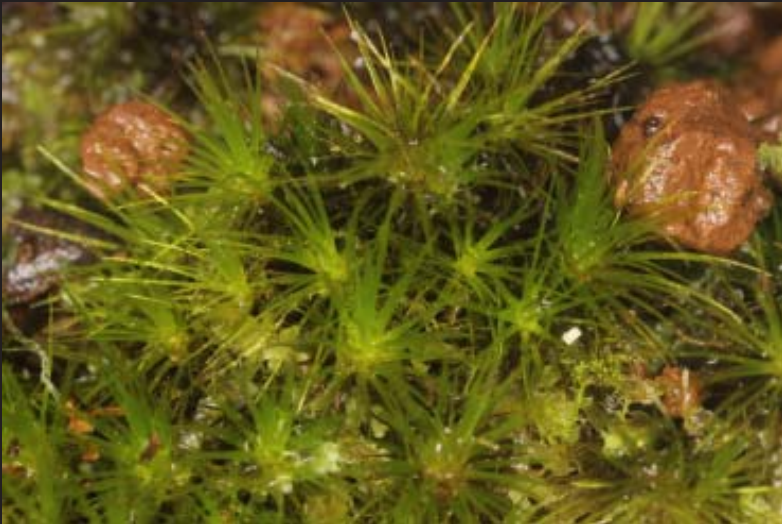
Campylopus fragilis ssp. *zollingerianus*



Campylopus hawaiiicus var. *hawaiiicus*



Campylopus hawaiiicus var. *densifolius*



Campylopus laxitextus



Campylopus schmidii



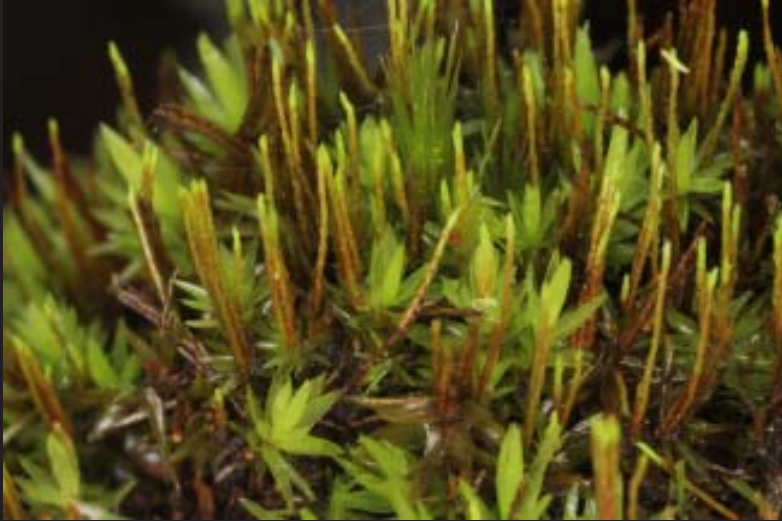
Campylopus umbellatus



Dicranella hawaiiica



Dicranella integrifolia



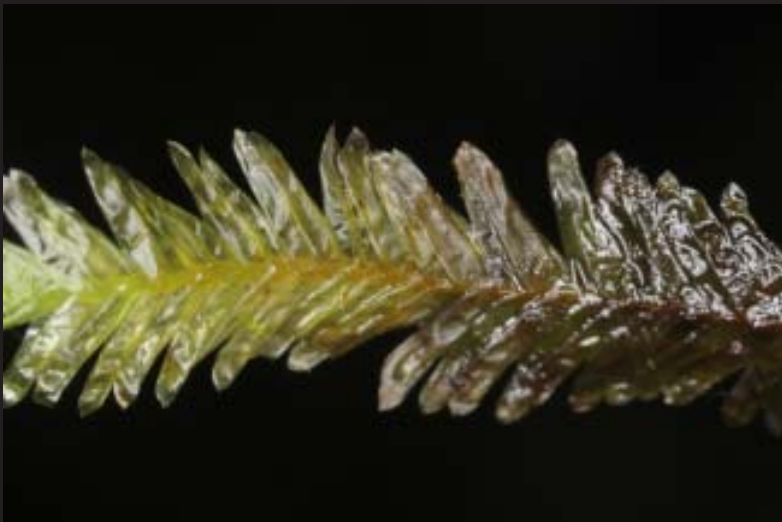
Dicranum speirophyllum var. *breviflagellare*



Entodon bolanderi



Dicranum speirophyllum



Fissidens pacificus



Glossadelphus zollingeri



Grimmia anodon



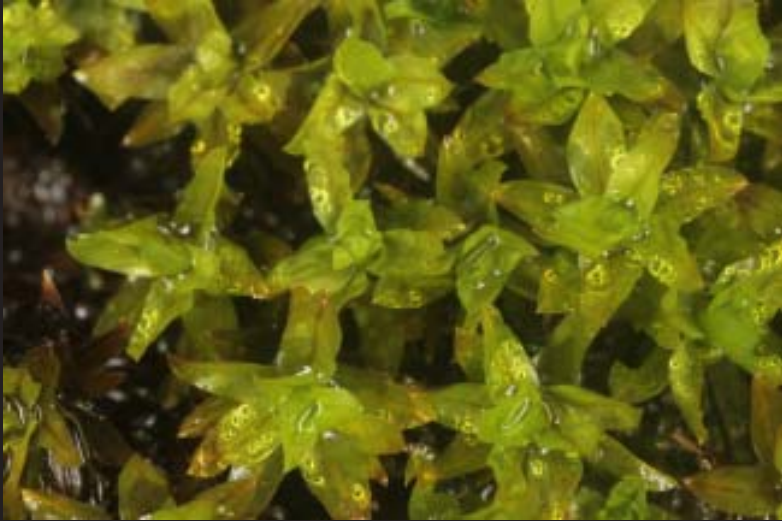
Grimmia trichophylla



Haplocladium microphyllum



Homaliodendron flabellatum



Hyophila involuta



Hypnum plumaeforme



Leucobryum gracile



Leucobryum pachyphyllum



Leucobryum semanii



Leucoloma molle



Macromitrium emersulum



Macromitrium intricatum



Macromitrium piliferum



Molendoa crassinervis



Palamocladium wilkesianum



Philonotis hawaiiica



Philonotis turneriana



Pogonatum tahitense



Pohlia flexuosa



Pyrrhobryum spiniforme



Ptychomitrium lepidomitrium



Racopilum cuspidigerum



Saelania glaucescens



Sematophyllum hawaiiicum



Syrrhopodon oahuense



Thuidium cymbifolium



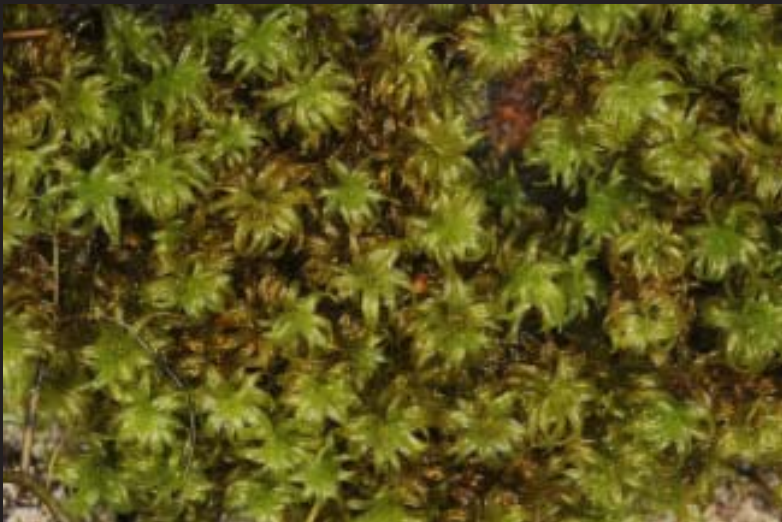
Trematodon latinervis



Tortella humilis



Vesicularia graminicola



Zygodon rubrigemmatus



Anthoceros sp.



Dendroceros crispus



Dumortiera hirsuta



Epiphyllous Lejeuneaceae



Fossombronia sp.



Jungermannia callithrix



Marchantia crenata



Marchantia marginata



Megaceros sp.



Odontochisma sandvicense



Odontoschisma sandvicensis



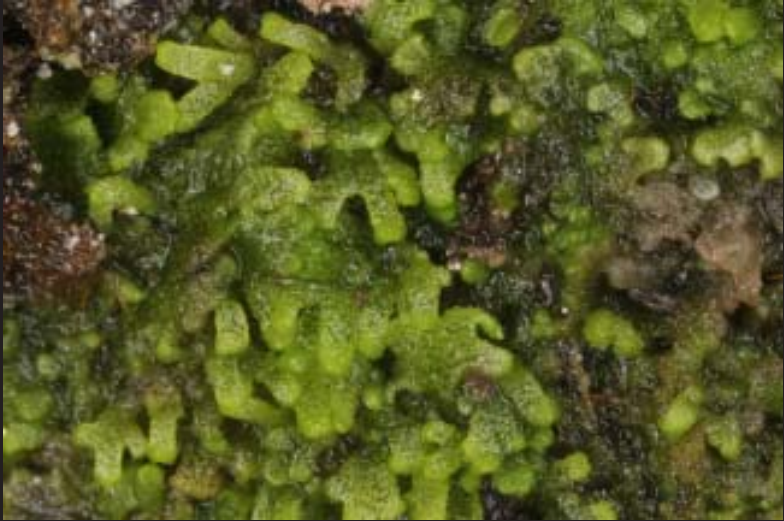
Odontoschisma subjulaceum



Radula sp.



Radula sullivantii



Riccardia spp.



Riccardia spp.

