

Pernambuco, Brazil

BRYOPHYTES of FERNANDO DE NORONHA ISLAND

1

Denise Pinheiro da Costa¹, Maria Alice de Rezende¹, Jeff Duckett² & Silvia Pressel²

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A

The archipelago of Fernando de Noronha lies about 350 km east of the Brazilian coast between 03°51' S and 32°25' W. The park was created in 1988. It has a tropical climate and an average annual rainfall of 1,350 mm. The rainy season is from February to July, and a dry season from August to January. The archipelago consists of 21 oceanic volcanic islands, with a total area of 26 Km² and a sea depth of 4,000 m. The highest point is "Morro do Pico" on the main island, at 400 m. The archipelago is biologically rich and diverse, with a considerable number of endemic vertebrates. It is also a very important breeding and feeding ground for many marine bird species in the Atlantic Ocean, as well as, for dolphins and other marine species. The bryophyte diversity comprises a total of 31 taxa in 14 genera and 14 families (1,8% of the total of the Brazilian bryoflora). The island's vegetation is characterized by Dry Forest with a single small Mangrove located in Sueste Bay. The flora is similar to the "Caatinga" Domain (xerophilous forest and scrub of the drylands of northeastern Brazil), consisting, mainly, of short trees, shrubs and grass.



B



C



D



E



F



G



H



I

Landscapes of Fernando de Noronha Island: Morro do Pico (A), Forte dos Remédios (B), Vila dos Remédios (C, D, E), Baía dos Golfinhos (F), Baía do Sancho (G), Praia do Leão (H), and Capim Açú (I).

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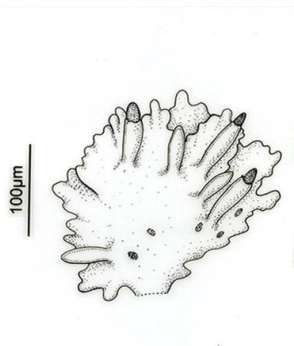
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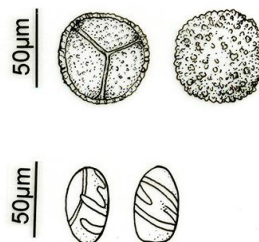
Anthocerotophyta



1 *Notothylas breutelii*
NOTOTHYLADACEAE



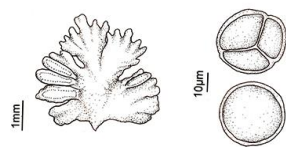
2 *Notothylas breutelii*
NOTOTHYLADACEAE



3 *Notothylas breutelii*
NOTOTHYLADACEAE



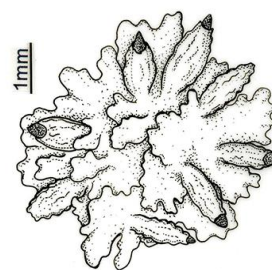
4 *Notothylas javanica*
NOTOTHYLADACEAE



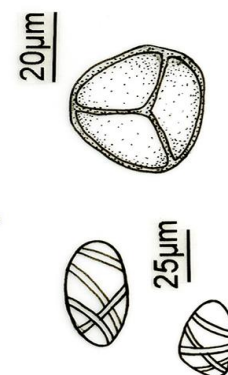
5 *Notothylas javanica*
NOTOTHYLADACEAE



6 *Notothylas orbicularis*
NOTOTHYLADACEAE



7 *Notothylas orbicularis*
NOTOTHYLADACEAE



8 *Notothylas orbicularis*
NOTOTHYLADACEAE

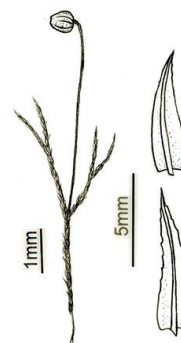
Bryophyta



9 *Philonotis cernua*
BARTRAMIACEAE



10 *Philonotis cernua*
BARTRAMIACEAE



11 *Philonotis cernua*
BARTRAMIACEAE



12 *Bryum apiculatum*
BRYACEAE

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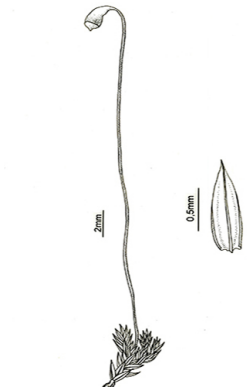
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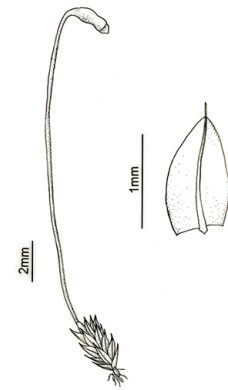
13 *Bryum apiculatum*
BRYACEAE



14 *Bryum apiculatum*
BRYACEAE



15 *Bryum apiculatum*
BRYACEAE



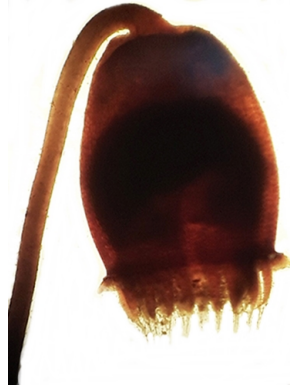
16 *Bryum atenense*
BRYACEAE



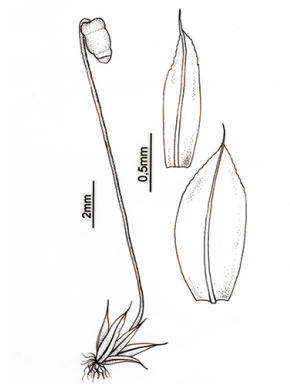
17 *Bryum atenense*
BRYACEAE



18 *Bryum coronatum*
BRYACEAE



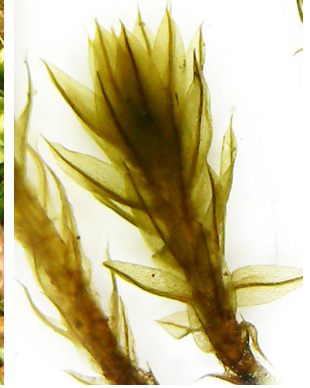
19 *Bryum coronatum*
BRYACEAE



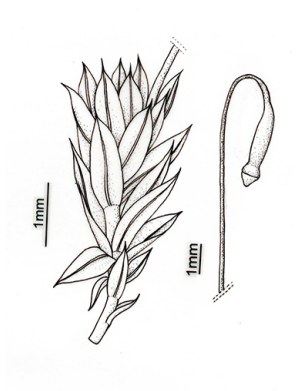
20 *Bryum coronatum*
BRYACEAE



21 *Bryum subapiculatum*
BRYACEAE



22 *Bryum subapiculatum*
BRYACEAE



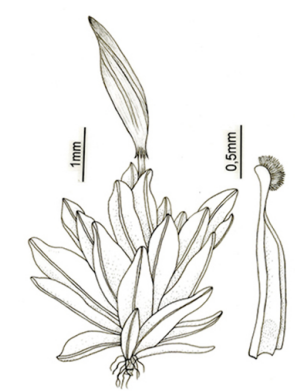
23 *Bryum subapiculatum*
BRYACEAE



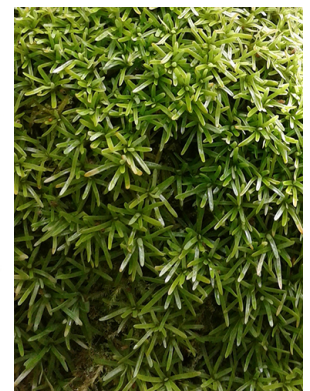
24 *Calymperes palisotii*
CALYMPERACEAE



25 *Calymperes palisotii*
CALYMPERACEAE



26 *Calymperes palisotii*
CALYMPERACEAE



27 *Octoblepharum albidum*
CALYMPERACEAE

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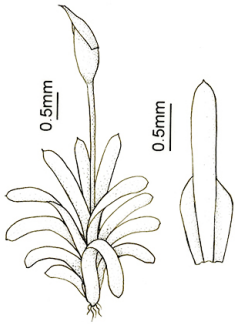
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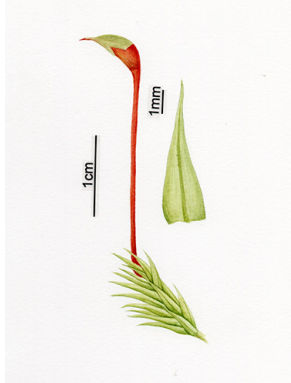


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28 *Octoblepharum albidum*
CALYMPERACEAE



29 *Dicranella varia*
DICRANACEAE



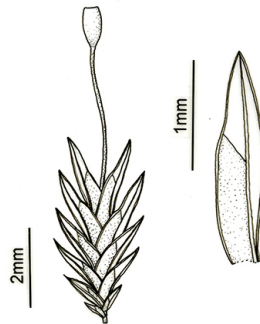
30 *Dicranella varia*
DICRANACEAE



31 *Fissidens angustifolius*
FISSIDENTACEAE



32 *Fissidens angustifolius*
FISSIDENTACEAE



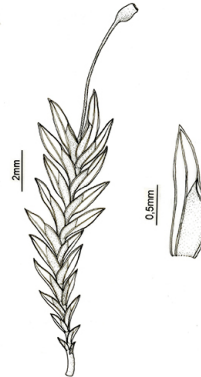
33 *Fissidens angustifolius*
FISSIDENTACEAE



34 *Fissidens bryoides*
FISSIDENTACEAE



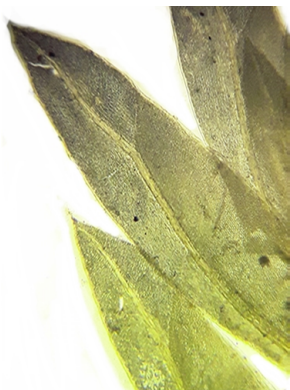
35 *Fissidens bryoides*
FISSIDENTACEAE



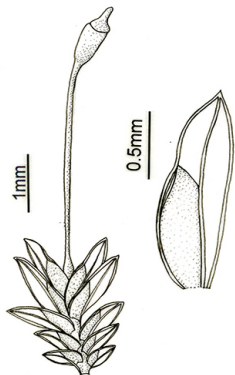
36 *Fissidens bryoides*
FISSIDENTACEAE



37 *Fissidens crispus*
FISSIDENTACEAE



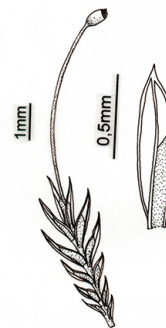
38 *Fissidens crispus*
FISSIDENTACEAE



39 *Fissidens crispus*
FISSIDENTACEAE



40 *Fissidens curvatus*
FISSIDENTACEAE



41 *Fissidens curvatus*
FISSIDENTACEAE



42 *Fissidens flaccidus*
FISSIDENTACEAE

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43 *Fissidens flaccidus*
FISSIDENTACEAE



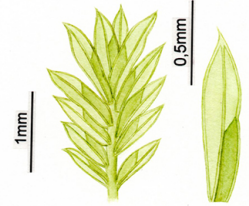
44 *Fissidens flaccidus*
FISSIDENTACEAE



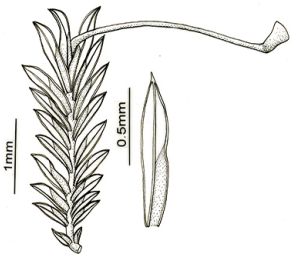
45 *Fissidens flaccidus*
FISSIDENTACEAE



46 *Fissidens goyazensis*
FISSIDENTACEAE



47 *Fissidens goyazensis*
FISSIDENTACEAE



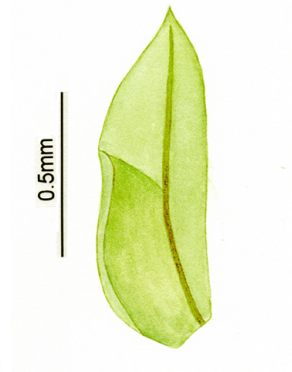
48 *Fissidens goyazensis*
FISSIDENTACEAE



49 *Fissidens hornschuchii*
FISSIDENTACEAE



50 *Fissidens hornschuchii*
FISSIDENTACEAE



51 *Fissidens hornschuchii*
FISSIDENTACEAE



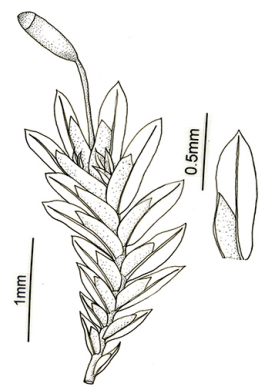
52 *Fissidens lagenarius*
FISSIDENTACEAE



53 *Fissidens lagenarius*
FISSIDENTACEAE



54 *Fissidens lagenarius*
FISSIDENTACEAE



55 *Fissidens lagenarius*
FISSIDENTACEAE



56 *Fissidens lindbergii*
FISSIDENTACEAE



57 *Fissidens lindbergii*
FISSIDENTACEAE


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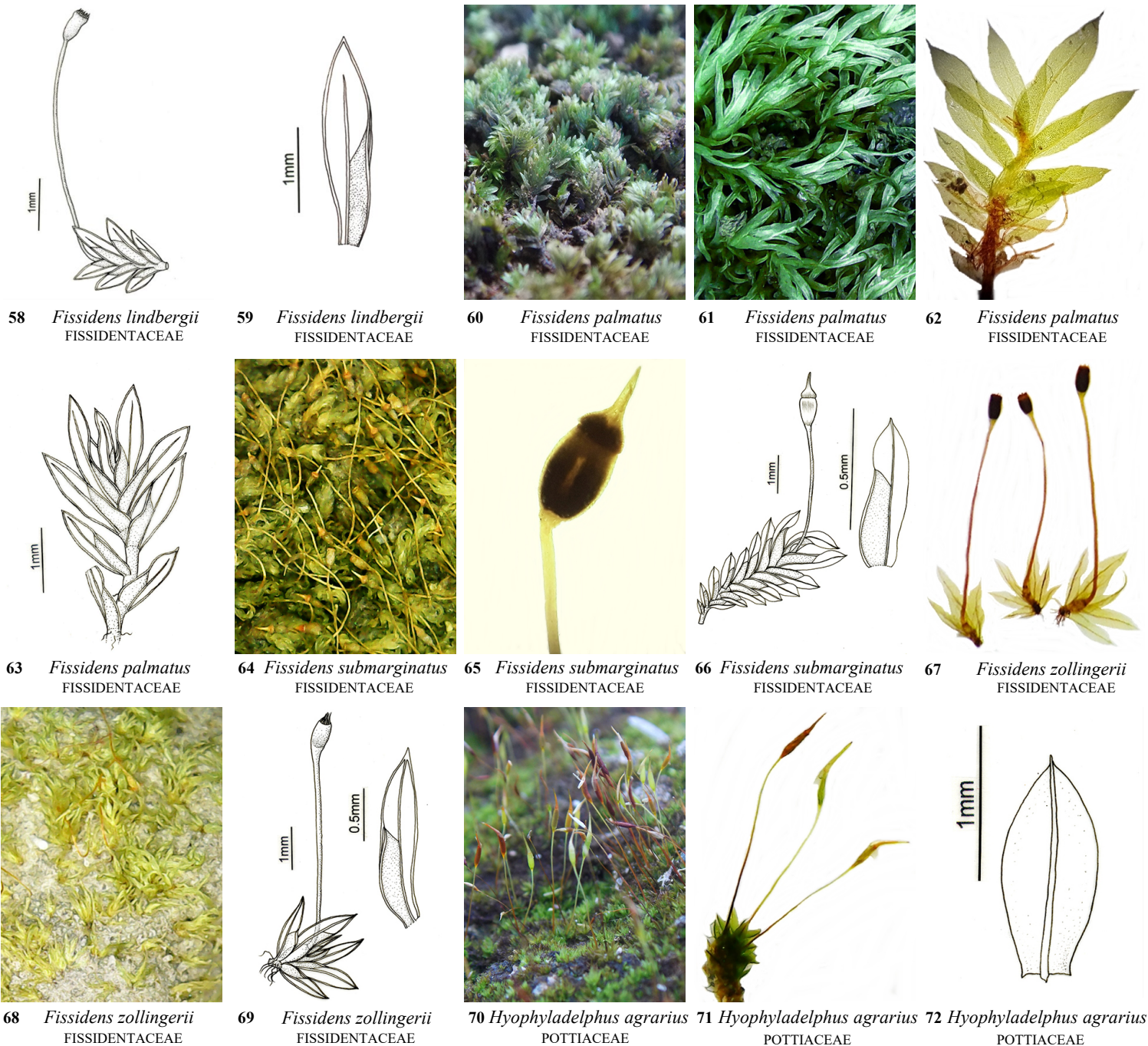
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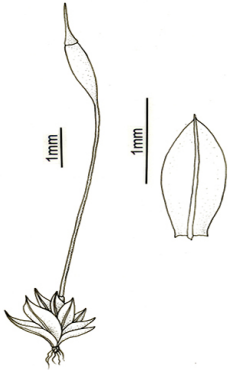
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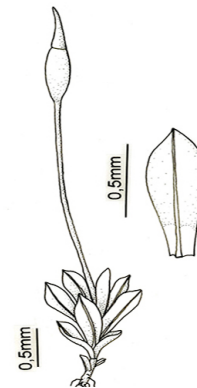
73 *Hyophyladelphus agrarius*
POTTIACEAE



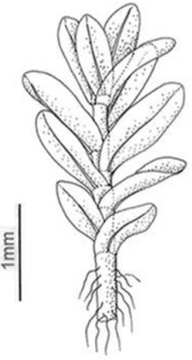
74 *Plaubelia sprengelii*
POTTIACEAE



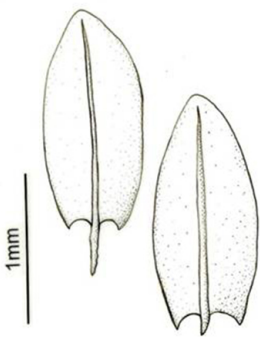
75 *Plaubelia sprengelii*
POTTIACEAE



76 *Plaubelia sprengelii*
POTTIACEAE



77 *Splachnobryum obtusum*
SPLACHNOBRYACEAE



78 *Splachnobryum obtusum*
SPLACHNOBRYACEAE



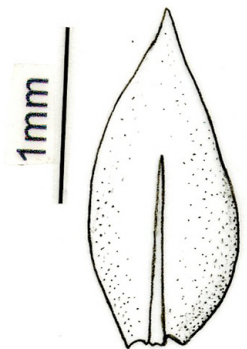
79 *Splachnobryum obtusum*
SPLACHNOBRYACEAE



80 *Entodontopsis leucostega*
STEREOPHYLLACEAE



81 *Entodontopsis leucostega*
STEREOPHYLLACEAE



82 *Entodontopsis leucostega*
STEREOPHYLLACEAE

Marchantiophyta



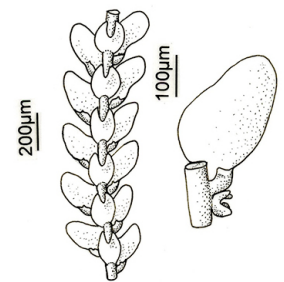
83 *Frullania ericoides*
FRULLANIACEAE



84 *Frullania ericoides*
FRULLANIACEAE



85 *Lejeunea laetevirens*
LEJEUNEACEAE



86 *Lejeunea laetevirens*
LEJEUNEACEAE

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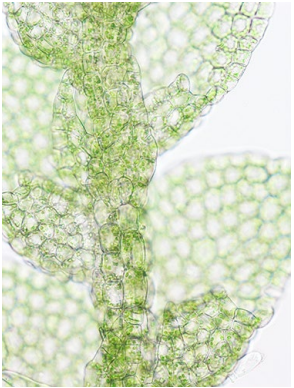
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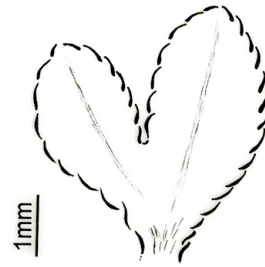
87 *Lejeunea laetevirens*
LEJEUNEACEAE



88 *Riccia ridleyi*
RICCIACEAE



89 *Riccia ridleyi*
RICCIACEAE



90 *Riccia ridleyi*
RICCIACEAE



91 *Riccia ridleyi*
RICCIACEAE



Landscapes of Fernando de Noronha Island: field work in the trail to Morro do Pico (A), view of Porto de Santo Antônio and islands (B), view of the port of Santo Antônio from Morro do Pico (C).