

BRYOPHYTAE INDOSINICAE

A preliminary contribution to the bryoflora of Angkor (Cambodia)

by

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During a recent trip in Cambodia, we were able to visit the region of Siemreap and its vicinity, i.e. the temples of Angkor. The reader can find, hereunder, some data and a climatogram of Siemreap, according to the theories and methods of H. GAUSSEN. The average rainfall is about 1.500 mm./year with a drastic dry season from November to April.

The forest of Angkor is dominated by *Dipterocarpus alatus*; *Tetrameles sp.*, *Lagerstroemia*, *Anisoptera*, *Artocarpus*, *Hydnocarpus* may be found also in the formation. We selected for our bryological collections the temple of Ta Prohm, where the forest was not cleared.

The collections were made on the sandstone walls of the temple. But most of them came from the moat of the temple; we found also some specimens in other places, especially in the court of the Bayon temple.

The mosses and hepatics are common species of low regions, not previously reported from Cambodia.

We were surprised to find on the leaves of *Hydnocarpus anthelmintica* a small collections of epiphyllous liverworts.

1) *Fissidens ceylonensis* DOZ. & MOLK.

no. 2247; 23/9/1965, Ta Prohm, on soil in shady places.

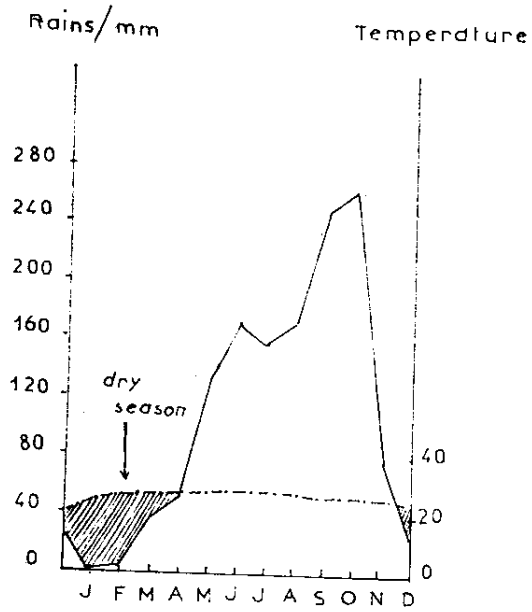
India, Ceylon, Malay peninsula, Sumatra, Java, Kalimantan, Vietnam, Thailand.

2) *Fissidens sylvaticus* GRIFF.

no. 2237, 2242; Ta Prohm, on trunks or on soil in shady places in the southern moat, 23/IX/ 1965.

Madagascar, India, Hong Kong, Japan, Sunda Islands, Philippines, Samoa, Thailand, Vietnam (Tonkin).

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	J	F	M	A	M	J	J	A	S	O	N	D
Temperature	25,6	26,4	27,8	28,8	28,9	28,1	27,4	27,8	27,6	27,4	26,4	25,5
Rains	1	2,8	36,3	50,1	132,9	167,9	154,9	177,3	263,8	273,9	81,8	22,4

CLIMATOGRAM OF SIEMREAP

- 3) *Fissidens zollingeri* MONT.
no. 2237; on soil, Ta Prohm, 23/IX/1965.
Andaman islands, Malaya, Java, Sumatra, Luzon, Samoa, Tahiti,
Yap, Thailand, Vietnam (Tonkin, Annam).
- *4) *Garckea phascoides* (C.M.) BROTH.
no. 2263; on banks in shady places, Angkor Thom, 23/IX/1965.
Wide spread in Southern Asia and Malaya.
- 5) *Octoblepharum albidum* HEDW.
no. 2248, 2252; on soil and on rotten logs, Ta Prohm, 23/IX/1965.
Pantropical.
- *6) *Calymperes tenerum* C.M.
no. 2237, 2254, on bark, Ta Prohm, 23/IX/1965.
Bengal, Luzon, Cebu, Malaya, Java, Carolines, Gilbert and
Marshall islands, New Caledonia, Tonga, Samoa, Mangaireva,
Ahu, Makatea, Hawaii, Botel Tobago, Laos, Vietnam (Cochin-
china).
- *7) *Hyophila involuta* (HOOK.) JAEG.
no. 2258 et 2260; on sandstone of the northern porch, Ta Prohm,
23/IX/1965.
India, Eastern China, Burma, Sumatra; Java, Amboina, Philip-
pines, Guam, New Guinea, Northern Queensland, Samoa,
Vietnam (Tonkin, Annam).
- 8) *Bryum* sp.
no. 2238; Southern moat of Ta Prohm, 23/IX/1965, on soil.
- *9) *Thuidium glaucinum* (MITT.) JAEG.
no. 2241, 2242, 2243; on soil in forest, Ta Prohm, 23/IX/1965.
Himalaya, Southern India, Ceylon, Assam, Japan, Taiwan, China
(Fu-Kien), Philippines (Luzon, Negros), Thailand, Laos,
Vietnam (Tonkin, Annam).
- 10) *Trachyphyllum inflexum* (HARV.) GEPP.
no. 2236; on sandstone, Ta Prohm, 23/IX/1965.
Sikkim, Nepal, Ava, Pegu (Central Province), Burma, Luzon,
New Caledonia, Northern Queensland, Thailand, Vietnam
(Annam), Cambodia.

- 11) *Taxithelium nepalense* (SCHWAEGR.) BROTH.
no. 2235, 2237, 2240, 2246; on sandstone, Ta Prohm, 23/IX/1965.
Nepal, Bengal, Assam, Ceylon, Burma, Malaya, Sumatra, Banka,
Kalimantan, Java, Timor, Philippines, Amboina, New Guinea,
Vietnam (Annam), Cambodia.
- 12) *Vesicularia reticulata* (DOZ. & MOLK.) BROTH.
no. 2234, 2244; on ground, moat of Ta Prohm, 23/IX/1965.
- 13) *Riccia* sp.
no. 2262; Bayon, Angkor-Thom, 24/IX/1965.
- *14) *Cotalejeunea lanciloba* ST. (*Pedilolejeunea*)
no. 2233, 2231, 2230, 2228, 2229, 2226, 2224, 2240; epiphyllous
and on twigs, in moat (Ta Prohm).
India, Southern China, Nicobar, Shikoku, Vietnam (Annam).
- 15) *Leptolejeunea epiphylla* MITT.
no. 2224, 2226, 2228, 2230, 2231, 2233, epiphyllous, Ta Prohm,
23/IX/1965.
From Ceylon to Tahiti, Ceylon, Nicobar Islands, Cambodia,
Malaya, Sumatra, Java, Kalimantan, Philippines, Botel Tobago,
New Caledonia.
- 16) *Lopholejeunea subfusca* ST.
no. 2254; on twigs in shady forest; southern part of Ta Prohm,
23/IX/1965.
India, Ceylon, Malaya, Sumatra, Krakatau, Java, Kalimantan,
Philippines, Taiwan, Riu Kiu, Banda, Amboina, New Guinea,
New Caledonia, Samoa, Tahiti, Japan, Vietnam (Annam),
Cambodia.
- *17) *Mastigolejeunea humilis* (GOTTSCHE) SPR.
no. 2230, 2233; epiphyllous, Ta Prohm, 23/IX/1965.
Ceylon, Andaman Islands, Java, Banda, Philippines, New Guinea,
Sulawesi, Mariannas, New Caledonia, Tahiti, Laos, Vietnam.
- *18) *Ptychocoleus cumingianus* (MONT.) TREV.
no. 2237, 2245; Southern moat on bark, 2239 twigs, Ta Prohm,
23/IX/1965.

Nicobar, Andaman Islands, Sumatra, Singapore, Amboina; New Guinea, Carolines, Queensland, Marquesas, Samoa, Tahiti, Vietnam (Annam).

Of the eighteen species of this small collection, eleven are new for Cambodia, but all are common or very common, except *Vesicularia reticulata*. It seems, accordingly, that the bryoflora of Cambodia is little known. A * denotes the common species.

LITERATURE

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