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ON A SMALL COLLECTION OF LICHENS FROM JAMAICA, WEST INDIES

R. HEBER HOWE, JR.

In April, 1909, at the request of Dr. Duncan S. Johnson, of Johns Hopkins University, the New York Botanical Garden forwarded to me a small collection of lichens collected by him on the island of Jamaica in 1903 and 1906.

At the time I worked over and prepared this list, I was unable to find any recently published list¹ of the lichen flora of Jamaica, but the publication of Dr. L. W. Riddle's list² has led me to publish this enumeration. For the advantage of comparison, this list follows Dr. Riddle's arrangement.

Two specimens of the genus *Cladonia* were sent to Prof. Bruce Fink for determination: and the crustose species to Dr. H. E. Hasse; the genus *Stereocaulon* was sent to Dr. Riddle who has also determined several other specimens. Acknowledgment is here most gratefully made.

PYRENOCARPEAE

Pyrenula "Lichen No. 7. Goat Isd. IV-16-06." A composite specimen.

Pyrenula "no spores"; *Porina* sp. (?). Spores " $28 \times 8 \mu$."

Anthracotheceum Mass. "Lichen No. 4. Goat Isd. IV-16-06."

One specimen spores "muriform, pale-brown," Determined by Dr. Hasse. Nos. 1, 6, 8, 11, 31, 32, 37, and 100 and labelled "Lichens" belong in other groups.

CONIOCARPINEAE

Sphaerophorus compressus Ach. "Lichen No. 36. Sir John, V-1-06." One specimen determined by Prof. Fink.

¹ Swartz, Prod. 1788 and Flora Indiae Occidentalis, 1806.

² Riddle, MYCOLOGIA, 4: 125-140. 1912.

GRAPHIDINEAE

Arthonia distendens Nyl. "Lichen No. 9 Goat Isd. (near Old Harbor), IV-16-06." The bark of this specimen supports several species, beside the above. Spores " $40-60 \times 24 \mu$, oblong and ovoid-oblong, colorless becoming light brown, 6-8 septate (7-9 locular) with several septations in longitudinal axis. Determined by Dr. Hasse. Other species present *Arthonia radiata* (Per.) Th. Fr. "no spores"; *Microglæna* "spores narrowly ellipsoid $23-32 \times 10-14, 4-7 \mu$ septate and submuriform, decolorate becoming light brown"; *Microthelia* (?) *thelena* (Ach.) Mull. Arg. Spores "oblong-ellipsoid, $15-18 \times 5-6 \mu$ "; *Thelotrema* (?) *lepadinum* Tuck. Spores " $24-52 \times 7-16 \mu$." Determined by Dr. *Graphis* "Lichens No. 5. John Crow Peak, IV-18-03." One specimen, "section *Diplographis*, but no spores seen." Determined by Dr. Hasse.

Chiodecton rubrocinctum Nyl. (= *Ch. sanguineum* (Sw.) Wain.) "Lichen No. 18. Clydesdale, IV-28-06." One specimen determined by Dr. Hasse.

Thelotrema (?) *subtile* Tuck., Determined by Dr. Hasse.

CYCLOCARPINEAE

Ocellularia alba (Feé) Müll. Arg. One specimen determined by Dr. Hasse. Spores "colorless roundish and ovoid-oblong, 3-4 septate."

Baeomyces absolutus Tuck. "Lichen No. 16, near Vinegar Hill (Trees), IV-23-03" and "Lichen 48 on *Eucalyptus* Whitfield Hall Wks. IV-22-03." Two specimens determined by Dr. Hasse No. 48 "contains a *Porina* also."

Cladonia rangiformis Hoffm. "Lichen No. 33, *Cladonia* sp.? Cinchona Hill, V-2-06." One specimen, determined by Prof. Bruce Fink.

Cladonia rangiformis var. *cubana* Wain. "Lichen No. 45, Blue Mt. Peak, IV-20-03, *Cladonia* sp." One specimen determined by Prof. Fink.

Cladonia didyma var. *rugifera* Wain. "Lichen No. 43, *Cladonia* sp. Clyde Valley, V-8-06." One specimen determined by Prof. Fink.

Howe, Reginald Heber. 1914. "On a small collection of lichens from Jamaica, West Indies." *Mycologia* 6(5), 259–263.

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