

AMBLYSTEGIUM VARIUM (Hedw.) Lindb. var. ARSENEI (Par. & Broth.)
Thér., var. nov.

Amblystegium Arsenei Par. & Broth., Ms.

Puebla: Río San Francisco (5004). Valle de México: Tlalpan
(*Bro. Amable 1453*).

I had previously received this plant from E. G. Paris under the name *A. Arsenei* Par. & Broth., sp. nov., likewise from Río San Francisco. Indeed, at first sight it would appear different from *A. varium* in several respects: (1) Its narrower leaves; (2) its greatly developed perichaetium, the perichaetial leaves being almost 4 times longer than the cauline leaves; (3) the capsule not arcuate when dry.

These characters, however, fade out to some extent upon close examination: (1) In *A. varium* the form of the leaves is very variable; (2) if specimens of *A. varium* are found with an inconspicuous perichaetium and short perichaetial leaves, there are others whose perichaetium is as well developed as in *A. Arsenei*; (3) there remains only the character afforded by the form of the capsule. This last is not sufficient to justify the recognition of a species.

SMITHSON.MISC.COLLECT. 85:32. 1931