

TRANSACTIONS
OF THE
ROYAL SOCIETY OF NEW ZEALAND

BOTANY

VOL. 2

No. 11

SEPTEMBER 18, 1963

New and Rare Mosses in New Zealand

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[Received by the Editor, November 2, 1962.]

Abstract

Two new moss species and one new variety are described, and three species, *Campylium stellatum*, *Conostomum curvirostre* and *Pleuridium subulatum* are recorded for New Zealand.

INTRODUCTION

THE plants mentioned in this paper, together with a new species of *Scouleria* being described elsewhere by Dr H. Persson, bring up to date the published record of mosses known to occur in New Zealand. Unfortunately none of the new species had capsules, and to this extent the genus in which each has been placed must be provisional. The occurrence in New Zealand of the Eastern Australian *Conostomum curvirostre* is not surprising, and further adventives such as *Pleuridium subulatum* can be expected though few such mosses have been detected here yet. The addition, however, of another Northern Hemisphere moss, *Campylium stellatum*, as probably indigenous in the Southern Hemisphere only in New Zealand adds to this small list of mosses and is hard to explain except on the assumption that further exploration will show that these mosses have a wider distribution than is yet known.

ACKNOWLEDGMENTS

Grateful acknowledgment is made to the following: Dr H. Persson, of Riksmuseum, Stockholm; E. B. Bartram, of Pennsylvania; Professor Winona H. Welch, of De Pauw University, Indiana, and J. H. Willis, of the National Herbarium and Melbourne Botanic Gardens, for specimens they sent me for comparison and for reports on specimens sent to them; Dr G. A. M. Scott, of Otago University, for making the drawings, help with the Latin descriptions, and helpful criticism of the text; the collectors, who are named in the text, for sending in the specimens.

1. *Campylium stellatum* (Schreb.) Bryhn

Yellow-green, to about $1\frac{1}{2}$ inches high, rather stout. Leaves from an erect ovate-deltoid or cordate base, narrowed to a long, gradually tapering, acuminate, squarrose acumen which is channelled with entire margins. Cells long and narrow, uniform almost to the base with a well marked area of golden incrassate oval cells there, with larger or smaller more or less distinct auricles.