

Arthonia (Arthothelium) Macounii sp. nov.

Thallus hypophloedes albus vel cinereo-albidus effusus; apothecia .10-.05mm. lata orbicularia et elliptica vel angulosa plana vel leviter emersa nigra; sporae hyalinae cylindrico-abovoideae 40-47 x 13-14 μ muriformi-multiloculares, locus superior reliquis multo major; hypothecium hyalinum, asci saccato-abovoidei 8 spori; gelatina hymen. iodo vinose-rubens.

Est valde affinis *A. ampliatae* Kn. et Mitt.

Ad corticem Abietum juniorum. Sidney.

Young spores 4-loc., cells of those mature commonly once divided, but sometimes twice, the large cell at times irregularly septate. Proportion of the large cell to remainder of the spore 3-10 of its length.

VERRUCARIA AETHIOBOLA var. ACROTELLA (Ach.) A. L. Sm., Brit. Lich. II, p. 282 (1911).

Rocks, Sidney.

Thallus a filmy dark stain, spores 22 x 9 μ , agreeing well with the measurements given by Nylander. The relatively feeble development of the variation prevents its easy recognition.

Unrecorded from America.

LIST OF PLANTS IN FLOWER IN THE VICINITY OF
SIDNEY, VANCOUVER ISLAND, MARCH, 1914.*

BY JOHN MACOUN, M.A., F.R.S.C.

The following is, I believe, the first list of Vancouver Island spring flowers that has been published, and as most of the genera and some of the species are also found in eastern Canada, it may prove of interest to readers of THE OTTAWA NATURALIST. Fifty-seven species of phanerogams were noted in bloom during the month. It may be said that a visit to Victoria during the last week in March would probably have added ten or more species to the list.

March 1—*Alnus oregana*, Nutt.

“ 2—*Stellaria media*, (L.) Cyrill.

Brassica campestris, L.

Taraxacum officinale, Weber.

*Published by permission of the Director of the Geological Survey.

- March 4—*Claytonia spathulata*, Dougl.
“ *sibirica*, L.
Salix Scouleriana, Barratt.
“ “ var.
Senecio vulgaris, L.
Ulex Europaeus, L.
“ 6—*Shepherdia canadensis*, (L.) Nutt.
Paspalum?
Spergula sativa, Boenn.
Lysichiton kamtschaticensis, Schott.
“ 13—*Sisyrinchium grandiflorum*, Dougl.
Saxifraga integrifolia, Hook.
Mimulus alsinoides, Benth.
Collinsia parviflora, Dougl.
Erodium cicutarium, (L.) L’Her.
Draba verna, L.
Barbarea vulgaris, R. Br.
Brassica arvensis, (L.) BSP.
Ranunculus occidentalis, Nutt.
Pachystima Myrsinites, Raf.
“ 16—*Erythronium giganteum*, Lindl.
“ 17—*Stellaria nitens*, Nutt.
“ 18 *Berberis Aquifolium*, Pursh.
“ *nervosa*, Pursh.
“ 21—*Dodecatheon latifolium*, (Hook.) Piper.
Lithophragma parviflora, (Hook.) Nutt.
Sanicula Menziesii, Hook. and Arn.
Arbutus Menziesii, Pursh.
Arctostaphylos Uva-Ursi, (L.) Spreng.
Arenaria macrophylla, Hook.
Fritillaria lanceolata, Pursh.
Collinsia grandiflora, Dougl. var. *pusilla*, Gray.
Aira praecox, L.
“ 23—*Fragaria cuneifolia*, Nutt.
Acer macrophyllum, Pursh.
Pseudotsuga mucronata, (Raf.) Sudw.
“ 24—*Ribes Lobbii*, Gray.
“ 25—*Cardamine oligosperma*, Nutt.
Dentaria tenella, Pursh.
Cerastium viscosum, L.
“ 26—*Equisetum arvense*, L.
“ 27—*Petasites speciosa*, (Nutt.) Piper.
Rubus spectabilis, Pursh.
Ribes divaricatum, Dougl.
Cytisus scoparius, (L.) Link.

- March 28—*Populus trichocarpa*, T. and G.
“ 30—*Nemophila pustulata*, Eastw.
Fragaria bracteosa, Heller.
“ 31—*Claytonia perfoliata*, Don., var. *depressa*, Gray.
Acer Douglasii, Hook.
Rubus macropetalus, Dougl.
Populus vancouverensis, Trel.
Equisetum Telmateia, Ehrh.
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BOOK REVIEWS.

CHECK LIST OF THE FISHES OF THE DOMINION OF CANADA AND NEWFOUNDLAND.—By Andrew Halkett, Naturalist, Dept. Marine and Fisheries. C. H. Parmalee, King's Printer, Ottawa, 1913.

A sumptuous quarto volume in grey art cloth and gold, bearing the above title, has been issued from the Fisheries Museum, O'Connor Street, under the Marine Department. It consists of 138 pages of text, introduction, and indexes, with fourteen heliotype plates of a costly character. The author, it will be recalled, is a former President of the Ottawa Field-Naturalists' Club, and is engaged in the Fisheries' Museum, and, as stated in the introduction, his object has been to supply a complete list of the fishes of Canada. Such lists as that of the Fresh-Water Fishes of Canada, printed in Montreal in 1864 for the author, Mr. H. Beaumont Small, a former active member of the Ottawa Club, and the excellent little volume by Mr. C. W. Nash, a check list of the fishes of Ontario, issued in 1908, are the only existing lists, apart from some New Brunswick, British Columbia and Manitoba lists, which cover the fresh-water species, while the lists of Kendall, Eigenmann, and, above all, of Jordan and Evermann, include marine fishes, but do not profess to treat specially of Canadian species, excepting Kendall's Labrador list. Mr. Halkett has drawn upon these authorities freely, and as the printer has excelled himself, the paper is thick plate paper with wide margins, and as the plates are costly heliotype reproductions, the result is a very striking publication. The value of such a check list, however, is not in plates or costly paper, but in completeness of matter, handy form and size, and compact description and arrangement. In these respects the



Macoun, John. 1914. "List of Plants in Flower in the vicinity of Sidney, Vancouver Island, March, 1914." *The Ottawa naturalist* 28(2), 36–38.

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