

SOME NEW PLANTS FROM THE CANADIAN ROCKIES
AND SELKIRKS.

EDITH M. FARR.

In the summer of 1904 I collected specimens of a *Pachystima* which proved upon examination to be a hitherto undescribed species and was given the name of *P. macrophyllum*. It was found in fruit at Bear Creek Station in the Selkirks while the more usual form, *P. Myrsinites*, was collected in flower in the month of May, at Cedar Creek, in the same range of mountains. In order to complete the study of these forms it was necessary to secure specimens of *P. macrophyllum*, in flower, and of *P. Myrsinites* in fruit. Accordingly a special effort to that end was made this past summer when the region of the Selkirk Mts. was again visited. *P. macrophyllum* was obtained in full flower at Bear Creek Station on the twenty-fifth of May, *P. Myrsinites* in flower at Six Mile Creek on the eighteenth of May, and at Glacier on the twenty-sixth of the same month. During the first week in August *P. Myrsinites* was found in fruit at Glacier so that the two forms were then complete.

In general appearance the two differ widely, and this is especially evident when they are both seen at the same season of the year. As stated in the paper published in November, 1904, in the "Contributions from the Botanical Laboratory of the University of Pennsylvania," *P. Myrsinites* is of compact habit, the branches being erect and stiff, the leaves arranged in a decussate manner, giving a bushy appearance to the shrub. Further, the entire plant has a yellowish tone, while the leaves are thicker and more rounded than in *P. macrophyllum*. *P. macrophyllum* is of a loosely spreading habit, the branches being somewhat drooping and graceful, the leaves spreading in such a manner as to give a 2-ranked, flattened appearance to the branches. This species has a bright, almost bluish green tone as compared with *P. Myrsinites*, and the leaves are, as a rule, three to five times as long as broad.

Still another form was collected at Bear Creek Station, the same locality in which *P. macrophyllum* has been found. This plant was collected by Mrs. Charles Schäffer, and I take the