

41520 to 41554—Continued. (Quoted notes by Mr. R. E. Cooper.)

41549. POLYGONUM sp. Polygonaceæ.

"(No. 4407.) A clump of Polygonum among stones and peaty spots in gaps in a rhododendron forest at an altitude of 13,000 feet. Clump 1 foot thick or rosette larger. Flower spike large and pendent, rich red, 10 inches long at times. Also seen in rock ledges at its best."

41550. AQUILEGIA sp. Ranunculaceæ.

"(No. 4410.) An herb 1 foot high in fruit among Cyananthus and moist undergrowth of Betula forest at an altitude of 10,000 feet. Flowers never seen."

41551. CORYDALIS sp. Papaveraceæ.

"(No. 4511.) An herb 1 foot high on moist gravel by a stream at an altitude of 11,000 feet. Very showy sprays of yellow, brown-tipped flowers, usually under light shade of Acers, etc."

41552. PRIMULA PETIOLARIS Wallich. Primulaceæ. **Primrose.**

"(No. 4512.) Differing from No. 41548 in leaves not being hastate. Found in fruit at an altitude of 12,000 feet in moist black soil under Abies forest. Plant similar in size to No. 4397 [S. P. I. No. 41548.]"

41553. RUBUS sp. Rosaceæ. **Bramble.**

"(No. 4513.) A bush 2 feet high, showy in autumn with silver foliage and orange-yellow fruits. Common in bamboo forests at an altitude of 11,000 feet."

41554. RUBUS sp. Rosaceæ. **Bramble.**

"(No. 4514.) A bush 4 feet high on edge of Abies forest at an altitude of 12,000 feet. Leaves dark green with reddish brown calyx and fruits."

41555. HEDYSARUM BOREALE Nutt. Fabaceæ.

Seeds from Saskatoon, Canada. Collected by Mr. David Fairchild, of the Bureau of Plant Industry. Received October 25, 1915.

"This hardy, short-seasoned, early-maturing Hedysarum was collected by Prof. T. N. Willing and myself in sight of the president's residence on the grounds of the University of Saskatchewan. It was growing on rather dry hillsides and produced a plant about 2 feet high. It is apparently a heavy seeder and, according to Prof. Willing, the cattle are very fond of it. So far as he knew, it had never been cultivated, and I sent it with the idea that it might be crossed with *Hedysarum coronarium* or with species of Hedysarum sent in by Mr. Meyer from Siberia. I can not help thinking that there may be something in the cultivation of this plant for forage purposes." (Fairchild.)

41556 to 41565.

Seeds from Bhutan, India. Collected by Mr. R. E. Cooper and presented by Bees (Ltd.), Liverpool, England, at the request of Mr. A. K. Bulley. Received November 18, 1915. Quoted notes by Mr. Cooper.

41556. GAULTHERIA sp. Ericaceæ.

"(No. 4525.) A low-creeping plant on rock surfaces and peaty alpine turf at an altitude of 12,000 feet. The showy blue berries are profuse. This is a much larger plant than the *Gaultheria trichophylla* and exists on exposed rock faces with only a mere suspicion of soil in occasional crevices."