autumn, which grows on the sand dunes of Lake Michigan and is known in gardens as the Waukegan Prostrate Juniper. There are large beds of *J. horizontalis* in the general Juniper Collection.

Juniperus procumbens. This is the best known of the prostrate Junipers which Japan has sent to the gardens of the west. It is a plant with wide-spreading procumbent stems, blue-green, sharply pointed leaves marked on the upper surface by two white lines. The fruit is not known. This Juniper finds a place in nearly every Japanese garden, but it must be a rare and probably local plant in its distribution as a wild plant was not seen by Wilson during his extended travels in Japan. It is said to have been introduced into Great Britain before the middle of the last century but was soon lost from European gardens until it was reintroduced in 1893. This Juniper is largely used as a garden plant in California where it is imported from Japan, and less commonly in the eastern states. It is perfectly hardy and well established in the Arboretum, and can be seen with the other Junipers. This Japanese Juniper is closely related to the prostrate Juniper of western China and the Himalaya *J. squamata*, a plant with awl-shaped, sharply pointed leaves in clusters of three, and dark purple-black berries. Plants from western China can be seen in the Arboretum.

Juniperus chinensis, var. Sargentii. This dwarf form of a wild tree of China and Japan appears to have been first collected by Professor Sargent near Mororan in southern Hokkaido in the autumn of 1892, and the plants raised from the seeds which he collected at that time are probably the only ones in cultivation. This Juniper forms a low dense mat of wide-spreading branches covered with small, dark green, scale-like leaves, mixed with pointed ones. It finds its most southern home on the high mountains of northern Hondo; it is more abundant in Hokkaido where it sometimes descends to the sea-level and ranges northward to Saghalin and the more southern Kurile Islands. In the Arboretum it is now the handsomest of the prostrate Junipers. It can be seen here to advantage on the Hemlock Hill Road opposite the Laurels where several plants form a large mass and show considerable seminal variation. There are also three large plants on the eastern slope of the knoll on which the general Juniper Collection is planted.

Juniperus conferta, which has been called *J. litoralis*, is also a Japanese species ranging northward from the southern island of Tanegashima to Saghalin and to the shores of the Sea of Okhotsk. The sand dunes of Hakodate Bay in southern Hokkaido are covered with the long prostrate stems of this plant which root freely as they grow and extend over broad areas. The leaves are thickly crowded, straight, sharp-pointed, concave, pale above and dark below. The fruit is three-seeded and ripens at the end of the second year. Although this Juniper has been known to botanists for more than fifty years it has never been cultivated until Wilson sent seeds from Japan to the Arboretum two years ago. From this seed a number of plants have been raised; they are doing well and there is reason to hope that this plant will soon be better known in eastern gardens. In northern Japan it grows on the sandy seashore with *Rosa rugosa*, which is such a good plant in the most exposed places on the New England coast, and it seems reason-

1916. "Juniperus chinensis, var. Sargentii." *Bulletin of popular information - Arnold Arboretum, Harvard University* 2(16), 63–63.

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