

## Haruo UEMATSU\* : A List of the Plants Distributed on the Southern Japanese Alps (14)

植 松 春 雄\* 南アルプス産植物目録(十四)

*Selaginella involvens* (SW.) SPRING

Distr. : (1) D (2) Honshu, Shikoku and Kyushu (3) Korea, Ryukyus, Formosa, China, Malaysia and India.

Note : *Machilus*-zone, 300m, very rare.

*S. nipponica* FR. et SAV.

Distr. : (1) D (2) Honshu, Shikoku and Kyushu (3) China.

Note : *Machilus*-zone, 300m, rare.

*S. remotifolia* SPRING

Distr. : (1) D, E (2) Honshu, Shikoku and Kyushu (3) Formosa, China and Malaysia.

Note : *Castanea*-zone, 500m, rare.

*S. shakotanensis* (FR.) MIYABE et KUDO

Distr. : (1) A, B, E (2) Hokkaido and Honshu (3) Kuriles and Saghalien.

Note : *Fagus*-zone and *Abies*-zone, 1.500-2.500m, rare.

*S. tamariscina* (BEAUV.) SPRING

Distr. : (1) A, D, F (2) Hokkaido, Honshu, Shikoku and Kyushu (3) Korea, Ryukyus, Formosa, Philippines, China and India.

Note : *Castanea*-zone, 400-1.000m, common.

### LYCOPODIACEAE

*Lycopodium alpinum* L. var. *planiracemosum* TAKEDA.

Distr. : (1) E (2) Hokkaido and Honshu (3) Kuriles, Saghalien, Kamchatka, Siberia, Europe and Northern America.

Note : Aug., *Pinus pumila*-zone, 3.000m, very rare.

*L. annotinum* L.

Distr. : (1) E (2) Hokkaido and Honshu (3) Kuriles, Saghalien, Kamchatka, Korea, China, Himalayas, Siberia, Europe and Northern America.

Note : *Abies*-zone, 2.300m, rare.

forma *latifolium* (TAKEDA) TAGAWA

Distr. : (1) B, E (2) Hokkaido and Honshu (3) Kuriles, Saghalien, Kamchatka, Korea, China, Himalayas, Siberia, Europe and Northern America.

Note : *Abies*-zone, 2.300m, very rare.

var. *acrifolium* FERNALD

Distr. : (1) A, E (2) Hokkaido

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and Honshu (3) Kuriles, Saghalien, Kamchatka, Korea, China, Himalayas, Siberia, Europe and Northern America.

Note : *Abies*-zone, 2.300m, very rare.

*Lycopodium chinense* H. CHRIST

Distr. : (1) E (2) Hokkaido, Honshu, Shikoku and Kyushu (3) Kuriles, Korea, China and Manchuria.

Note : *Pinus pumila*-zone, 2.800m, very rare.

*L. clavatum* L. var. *nipponicum* NAKAI

Distr. : (1) A, B, C, D, E (2) Hokkaido, Honshu, Shikoku and Kyushu (3) Kuriles, Korea, Formosa, Saghalien, China, India, Malaysia, Polynesia, Hawaii, America, Europe and Africa.

Note : *Abies*-zone, and *Pinus pumila*-zone, 1.500-2.500m, common.

*L. obscurum* L.

Distr. : (1) E (2) Hokkaido, Honshu, Shikoku and Kyushu (3)

Kuriles, Saghalien, Korea, Siberia and Northern America.

Note : *Abies*-zone and *Pinus pumila*-zone, 2.000-2.500m, common.

*Lycopodium selago* L.

Distr. : (1) B, E (2) Hokkaido, Honshu, Shikoku and Kyushu (3) Kuriles, Kamchatka, Europe and Northern America.

Note : *Pinus pumila*-zone, 2.500m, common.

*L. sitchense* RUPR. var. *nikoense* (FR. et SAV.) TAKEDA

Distr. : (1) A, E, F (2) Hokkaido, Honshu and Kyushu (Yaku Island) (3) Kuriles.

Note : *Pinus pumila*-zone, 2.500m, common.

*L. serratum* THUNB. var. *serratum* MAKINO

Distr. : (1) A, B, E (2) Hokkaido, Honshu, Shikoku and Kyushu.

Note : *Abies*-zone, 2.000-2.500m, common.