

FIELD NOTES
OF
RHODODENDRONS
AND OTHER PLANTS
COLLECTED BY
KINGDON WARD
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RHODODENDRONS

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KW 11,175. *Rhod. Macabeanum*.

"A hearty looking tree, bulky rather than tall, often gregarious. Flowers clear yellow in fine trusses—quite one of the best yellow-flowered species. March-April. Saramati Peak, 9,000-10,000 ft., Naga Hills, Assam."

KW 11,464. *Rhod. megeratum* var. ?

"A bushy epiphytic undershrub, with silvery leaves. Flowers in pairs, like *R. megeratum*, but paler, cream rather than sulphur. 10,000 ft. Balipara Frontier Tract, Assam Himalaya."

KW 11,532. *Rhod. manipurens*.

"A large shrub, 6 ft. high and as much through, bearing in April and May large scented white flowers flushed pink. Truss 4-flowered. Leaves leathery. On sheltered slopes amongst trees and rocks up to 9,000 ft. Ought to be hardy. Balipara Frontier Tract, Assam Himalaya."

KW 11,565. *Rhod. glaucum*.

"A low-growing bushy undershrub for the rock garden, bearing masses of pink flowers in May. Aromatic foliage. Favours open ground in Picea-Abies forest, 10,000-11,000 ft. Se La, Assam Himalaya."

KW 11,568. *Rhod. concatenans*.

"A very variable shrub, the flowers coppery or tawny orange, forming masses of vivid colour in the open, along the edge of the Silver Fir forest, 12,000 ft. Se La, Assam Himalaya."

KW 11,569. *Rhod. anthopogon*.

"A gregarious aromatic under-shrub, abundant on open hillsides at or just above the tree line on the rainy south side of the Assam Himalaya, between 12,000 and 14,000 ft. Flowers crimson, sometimes pink, in June and July."

KW 11,586. *Rhod. phaeochrysum*.

"A stout gregarious shrub, probably slow growing. Flowers variable, usually some shade of purplish rose, heavily blotched and spotted, occasionally yellow; rarely purple and yellow flowers on the same bush. It covers great tracts just above the limit of Silver Fir. Flowers in June. Se La, 12,000-13,000 ft., Assam Himalaya."

KW 11,587. *Rhod. fulgens*.

"A medium-sized shrub, with flowers the brilliant colour of *R. Thomsonii*, but smaller. The leaves, however, are covered below with a thick foxy red permanent wool. Scattered in dense mixed *Rhododendron* thickets at the tree line. Se La, 12,000-13,000 ft., Assam Himalaya."

KW 11,588. *Rhod. Wightii*.

"A magnificent tree species bearing great trusses of yellow flowers with purple flash at the base and spots above. Though found at the tree limit, it keeps to shelter there. June. Se La, 12,000-14,000 ft., Assam Himalaya."

KW 11,605. *Rhod. argipeplum*.

"A large shrub, flowers over in June, when the crimson leaf bud scales are very conspicuous. Leaves with thin indumentum, unlike typical *R. barbatum*. In *Rhododendron*-Conifer forest, at 10,000-11,000 ft. Se La, Assam Himalaya."

***KW 11,612.** *Rhod. Wallichii*.

"A large more or less gregarious shrub, growing in thickets of *Rhododendrons*, below the tree line. Very free flowering and a charming sight, the trusses ample, loose, the flowers palest purple or amethyst, with a dark flash at the base. Leaves with a rusty cobweb of hairs. Mönyul, 12,000 ft., Assam Himalaya."

*KW 11,640. *Rhod. Hodgsonii*, var. ?

"A gnarled big-leaved tree. Flowers in hemispherical trusses, bright cherry-red. In Abies-Rhododendron forest, only within narrow limits at about 12,000 ft. Not at all common, only two trees seen in bloom, and very shy seeder. Mönyul, Assam Himalaya."

*KW 12,404. *Rhod. lanatum* var. ?

"A thickset shrub, covered with the typical tawny and ash grey wool of *R. lanatum*, but the large bell flowers, always in pendent trusses of 4, are a delicate pink. (In *R. lanatum* the flowers are yellow, in trusses of 6-8, not pendent.) Thickets above the Fir forest, Se La, Assam Himalaya."

KW 12,414. *Rhod. Boothii*.

"A small shrub, in fruit. Temperate forest, 7,000-8,000 ft.; perhaps a hardy form. Se La, Assam Himalaya."

KW 12,438. *Rhod. sp. nov?*

“ A small epiphytic shrub, found in fruit in *Tsuga-Rhododendron* forest. Flowers not seen, borne singly or paired. The leaves suggest § *Maddenii*, the capsule § *Boothii*. 10,000-11,000 ft, Assam Himalaya.”

KW 12,585. *Rhod. formosum?*

“ A compact bushy shrub on the rocky ridge of Japvo, 7,000-9,000 ft. Should be hardy. Naga Hills, Assam.”

KW. O 12,588. *Rhod. bauhiniiflorum?*

“ A shrub, resembling *R. triflorum*, in thickets near the summit of Japvo, 9,000 ft. Flowers not seen, purple? Naga Hills, Assam.”

KW. O 12,589. *Rhod. Maddenii?*

“ A large shrub with large leaves, growing on the rocky forested south ridge of Japvo at 9,000 ft. Flowers not seen. Naga Hills, Assam.”

TREES, SHRUBS

AND

HERBS,

1935.

Iris.

“ A large-flowered Iris, something like *I. laevigata* (*I. Kaempferi*) in appearance, with violet flowers. Rhizomatous, growing in clumps, in damp pastures and actual *bhils* in thousands, flowering about February at 2,000-3,000 ft. altitude. Not hardy. Height 18 ins. The soil is a rich loam with plenty of silt. Imphal, Manipur, Assam.”

KW 11,115. *Acer oblongum*.

“ A semi-deciduous medium-sized tree, never quite leafless, the leaves simple, pale beneath. The young shoots are a beautiful bronze. Flowers early spring. Above the Tizu River, at 7,000 ft., Naga Hills, Assam.”

KW 11,122. *Pyrus Pashia*.

“The spring-flowering crab, seen throughout the Naga Hills in full bloom in March—billows of snow-white blossom, the leaves not developed. A medium-sized tree, along the bridle path and near villages. Fruits spherical, yellow, with raised white spots, edible but hard, ripe November. Perhaps hardy, being found up to 6,000 ft. Assam.”

KW 11,123. *Kalanchoe floribunda*.

“A fleshy greenhouse plant, found in hot, dry sunny places amongst rocks, and on exposed stony banks, at 2,000-3,000 ft. It flowers in the winter (October-November), the stems growing 2 ft. high, but flopping over. Fruiting in March. There are two *Kalanchoes* in the Naga Hills, *K. rosea*, pale pink, and an orange-flowered species. Seed under No. 11,123 I collected by the Tizu River in March, and it is probably the yellow-flowered species (No. 12,456, herbarium specimen, from the Assam Himalaya, in flower October). But *K. rosea* was collected in flower near Kohima in November (herbarium specimen No. 12,510); and I sent a few living plants home.”

KW 11,124. *Clematis Gouriana*.

" See No. 11,301. A scrambler with greenish-white flowers and bipinnate leaves. Rainy season. It ascends to 4,000 ft., but is not hardy. Naga Hills, Assam."

KW 11,199. *Clematis Candleri*.

"Flowers not seen. A jungle scrambler, but not hardy. Naga Hills, Assam."

KW 11,246. *Naravelia zeylanica*.

"A non-hardy climber like a *Clematis*, but possessing petals as well as sepals. Flowers in large panicles, during the rainy season. Tamanthi, Chindwin River, North Burma."

KW 11,273. *Hydrolea zeylanica*.

"An annual of paddy fields and damp places. Flowers violet. Chindwin River, North Burma."

KW 11,276. *Cardiospermum Halicacabum*.

"A rampant climber with thin stems and tenuous foliage. The flowers are negligible, but the inflated 3-cornered fruits are attractive. A greenhouse plant. Homalin, Chindwin River, North Burma."

KW 11,277. *Hibiscus sabidaratta*.

"An erect annual, cultivated. Flowers yellow. Not hardy. Chindwin River, North Burma."

KW 11,278. *Abutilon indicum*.

"A small erect herb, often grown in gardens. Sometimes forms a woody base like Wallflower and persists for several years. Flowers yellow. Chindwin River, North Burma."

KW 11,298. *Thalictrum javanicum*.

"A gigantic herb 12 ft. high, with Maidenhair - fern - like foliage and rather small white flowers. Probably not hardy, though it grows at 5,000 ft. in the Mishmi Hills. Naga Hills, Assam."

***KW 11,299. *Clematis cadmia*.**

“ A small wiry climber with starry blue flowers, very pretty in full bloom. It grows by the ditches in Manipur, tangled amongst bushes of *Rosa bracteata*, at 2,000-3,000 ft. Flowers October to March. Not hardy. Imphal, Manipur State, Assam.”

KW 11,301. *Clematis Gouriana*.

“ A moderate-sized scrambler of the sub-tropical hill country. Flowers during the rains—only seen in fruit. 2,500 ft. Imphal, Manipur, Assam.”

KW 11,302. *Ocimum sanctum*.

“ A cultivated aromatic shrub of bushy habit. The leaves are used as a condiment and medicine. Not hardy. 2,000 ft. Manipur, Assam.”

KW 11,303. *Aconitum ferox*.

“ A herb 3 to 4 ft. high, with dark purplish blue flowers. Grows amongst rocks and bushes on the tops of the higher hills at 8,000-10,000 ft., Saramati and Japvo, Naga Hills, Assam.”

KW 11,306. *Porana paniculata* ?

“ A rampant climber with annual sea green foliage and clusters of small white flowers in October-November. Not hardy. 5,000 ft. Naga Hills, Assam.”

KW 11,312. *Clematis Buchananiana*.

“ Flowers creamy-yellow, in nodding clusters, October. Small plants are prostrate, and would look well on the rock garden. Kohima district. 5,000 ft. Naga Hills, Assam.”

KW. O 11,344. *Cassia nodosa*.

“ A medium-sized tropical evergreen tree, flowering during the rainy season. Flowers pink in erect racemes. Assam.”

KW 11,387. *Primula mollis*.

“ A woodland plant with rather large softly hairy leaves and heads of crimson flowers with darker eye on scapes 1 ft. tall. It needs shade, a good loamy soil, plenty of moisture, and a damp atmosphere. Not generally reckoned hardy, but this form from 7,000-8,000 ft. might be. Balipara Frontier, Assam.”

KW 11,483. *Gerbera piloselloides*.

"Flower head solitary, mauve or pinkish, on a 9-in. scape, which springs from a flat rosette of leaves. Not the equal of the South African *Gerberas*, but quite good. Requires a clayey soil and sunny position. Probably not hardy. Kohima, 5,000 ft., Naga Hills, Assam."

KW 11,531. *Uraria*. (Papilionaceae.)

"A prostrate undershrub in ripe fruit. Flowers purple? Grows on dry rocky scrub-clad slopes in full sun. If hardy, a rock garden plant. 5,000 ft. Naga Hills, Assam."

KW 11,615. *Primula macrophylla*.

"A high alpine of screes and turf slopes. Handsome flowers and foliage, probably difficult. June-July. Southern Tibet."

***KW 11,616. *Primula Barnardoana*.**

“A delightful sunny yellow-flowered *Primula* with large softly cool leaves, silvered beneath. Height 1 ft., flowers June-July, gregarious. Unlike the majority of the ‘*Rotundifolias*’ it is not a rock plant, nor a high alpine, and should prove hardy. It grows best under *Rhododendrons* at about 13,000 ft. altitude. Tsari, Southern Tibet.”

KW 11,663. *Lonicera*.

“A bushy shrub with small leaves and pinkish flowers in June. Berries blood red translucent, in October. Alpine valleys, at and above the tree line. Assam Himalaya.”

KW 11,689. *Primula atrodentata*.

“One of the many varieties of *P. denticulata*, with mop heads of mauve flowers. An attractive and hardy *Primula* for damp spots on the rock garden. Flowers in June. Mönyul, Southern Tibet.”

KW 11,711. *Dicranostigma lactucoides*.

"A super-perennial herb, the vast tough underground rootstock sometimes a quarter of a century old. Each June it sends up a crop of sea green leaves and large daffodil yellow poppy flowers. It is confined to cliffs on the dry Tibetan plateau above 13,000 ft. and will probably flower for a year or two in a cool house and then perish. Chayul, Southern Tibet."

*KW 11,712. *Iris* sp. nov. § *Sibirica*.

"A bi-coloured species with violet standard and cream-coloured falls, growing gregariously along the village irrigation channels in the dry country, between 11,000 and 13,000 ft. A very beautiful plant. Karta, Charme, Southern Tibet."

*KW 11,715. *Clematis tangutica* ?

"A rampant climber with chocolate red flowers. Prostrate if no support is available. Stunted in sandy soils, but does well under trying conditions in dry Tibet. June. Chayul, 11,000-12,000 ft."

KW 11,729. Incarvillea.

“ A perennial sending up annual, almost woody stems, 2 ft. high, culminating in an interrupted spike of large yellow foxglove-like flowers, spotted inside. Very striking and conspicuous at a distance. Common amongst thorn scrub, on the dry stony hillsides, 11,000-12,000 ft. Tsangpo Valley, Southern Tibet.”

***KW 11,730. Jasminum.**

“ A bushy deciduous shrub, often scrambling, with masses of fragrant white flowers, rose on the reverse. Grows well in the hot dry valleys at 11,000 ft., in poor stony soil, June. Common with Clematis tangutica. Chayul, Southern Tibet.”

KW 11,733. Cotoneaster.

“ A free-flowering shrub, bearing red berries in the autumn. The white flowers appear about June ; leaves deciduous or not, perhaps according to situation. Shoots and under-leaf surface white tomentose. It grows on the rocky hillsides in dry valleys, between 11,000 and 12,000 ft. Chayul, Southern Tibet.”

KW 11,738. *Lonicera*.

"A very thorny thickset evergreen undershrub, with fragrant pinkish-lilac flowers in June succeeded by large orange-scarlet translucent berries in October. For the rock garden. It grows on stony soil especially round villages. 13,000-14,000 ft. above Karta, Southern Tibet."

KW 11,745. *Sophora Moorcroftiana*.

"A thorny semi-deciduous shrub, growing in dry stony soil, and often in sand, at 10,000-12,000 ft. Common in the Tsangpo Valley, and in much drier places further west and south. Flowers violet or white and violet, in June. Southern Tibet."

***KW 11,796. *Adonis brevistyla*.**

"A beautiful herb with large white Anemone-like flowers, the satiny petals violet on the reverse, and finely cut fern-like leaves. It grows under *Rhododendron* bushes on steep alpine slopes in the wet Tsari Valley, at 12,000-13,000 ft. Height 8 ins. July. Southern Tibet."

KW 11,823. *Onosma Hookeri* Wardii.

(See Bot. Mag. tab. 9,254.)

“A very hairy herb with croziers of violet flowers. On stony alpine slopes, wet or dry, at 12,000 ft. Height 12 ins. July. Southern Tibet.”

***KW 11,838.** *Clematis montana* var.

“A curious form from the hot dry valleys of Charme, with very small flowers, white or more commonly pink, and small leaves. Long clutching bridal wreaths trail over the surrounding bushes. In thickets above Sanga Chöling, 12,000-13,000 ft., Southern Tibet.”

***KW 11,841.** *Dracocephalum Hemslyanum*.

“An herbaceous perennial of almost bushy habit when 3 ft. high and perhaps six or eight years old. Then it bears a number of flowering stems with long spikes of large brilliant sapphire blue flowers. Widely scattered in the drier valleys, from 12,000 to 14,000 ft. above sea level, flowering from June till September. One of the best plants seen. Southern Tibet.”

KW 11,845. *Primula szechuanica* var. *tubopurpureo*.

"A local form, with pale yellow sweetly scented flowers on tall scapes (usually 2 whorls of flowers) and sleek cool leaves, silvery white beneath. This form was also collected in Zayul in 1932. Charme, 13,000-14,000 ft., Southern Tibet."

*KW 11,857. *Lonicera*.

"A stout bushy shrub, with purple flowers. Rather similar to No. 11,738, but the leaves are glabrous. Berries translucent scarlet. Alpine valleys, 13,000-14,000 ft., in wetter country than No. 11,738. Southern Tibet."

*KW 11,865. *Saussurea* ?

"A remarkable alpine plant, the single stem, about 12 ins. tall, ending in a large globular head of flowers, so enveloped in snow-white woolly hair that the flowers are invisible. This state is even more emphasized in fruit. Up to 15,000 ft. in the wet Tsari district, Southern Tibet."

KW 11,956. Mahonia.

"In fruit. Height 3-4 ft. In mixed forest, in the wet lower Tsari valley, 10,000 ft. July (flowers probably December-March). Southern Tibet."

***KW 11,980. Sedum.**

"The fat stems, about 1 ft. high and covered with fleshy leaves, bear large corymbs of bright yellow flowers. In colonies on the dry rocky or turfy slopes. Also around villages, amongst shrubs. July. 12,000 ft. Tsangpo valley, Southern Tibet."

KW 11,990. Euonymus.

"A small gnarled tree, stunted. In fruit picturesque. Evergreen? In the drier valleys south of the Tsangpo at 11,000-12,000 ft. Flowers July, fruits September. Southern Tibet."

KW 11,992. Desmodium.

"A 10-ft. high shrub of almost weeping habit, with long festoons of purple flowers in July. 10,000-11,000 ft. Tsangpo valley, Southern Tibet."

KW 11,996. *Morina Coulteriana*.

“A thistle-like plant, the tall stem—it may be 18 ins. high—impaling numerous close whorls of soft yellow fragrant flowers. Usually found growing amongst shrubs on rather dry stony hillsides. The stiff prickly leaves and bracts are a menace. Tsangpo valley, Southern Tibet.”

***KW 11,999. *Codonopsis*.**

“A semi-erect plant with tubular flowers, lavender blue. Height 1-2 ft. In thickets, sub-alpine region, 13,000 ft., rather wet country. Flowers July-September. Tsangpo valley, Southern Tibet.”

KW 12,018. *Codonopsis convolvulacea*.

“Flowers large, 1 in. across, deep lavender blue. A perennial with annual climbing stems, common in hedges in the Tsangpo valley, 10,000-11,000 ft. Not in the very dry regions. July to September. Southern Tibet.”

*KW 12,019. *Onosma Waddellii*.

“ A sand dune plant with pale blue flowers like frosted glass. Should grow in any light sandy soil, well watered and well drained. It enjoys a generous measure of sunshine. Common in the Tsangpo valley at 10,000-11,000 ft., Southern Tibet.”

KW 12,071. *Panax*.

“ A woodland herb, a foot or more high. Fruits scarlet, with one jet-black spot; very rarely yellow, with one pink spot. In sub-alpine forest, wet region of Tibet and the eastern Himalaya.”

KW 12,180. *Iris goniocarpa* ?

“ A rhizomatous *Iris*, the foot-high stem bearing 2 or 3 flowers of moderate size, bluish purple with orange crests on the falls. Common on granite cliffs and precipitous slopes where Pine trees grow. June. Tsangpo Valley and Yigrong Gorge, Southern Tibet.”

KW 12,207. Grass.

“ A handsome tufted ornamental grass with a silver stripe down the centre of each narrow leaf. The feathery silver plumes of fruit are an additional attraction. It grows on cliffs and slopes in Pine forest, at 10,000-12,000 ft. Gorge of the Yigrong, Southern Tibet.”

KW 12,214. Paeonia Delavayi ?

“ A dwarf yellow-flowered plant with scarlet seeds. Scattered on rocky slopes in the river gorge at 10,000-11,000 ft., in ripe fruit at the end of August. Rare. Southern Tibet.”

KW 12,219. Allium.

“ A small plant found in fruit on granite cliffs in the Yigrong gorge. It requires a minimum of earth, enjoys a maximum of sun, and withstands the non-stop terrible Tibetan wind. Flowers not seen, but most of the Tibetan Alliums are worth growing. Southern Tibet.”

*KW 12,289. Iris.

"A dwarf alpine, recalling *I. pumila* in size and type. Flowers violet. Scattered on the mountains north of the Tsangpo, above 13,000 ft. June and July. (Collected under No. 10,491 in Zayul, 1933.) Southern Tibet."

*KW 12,310. *Oxytropis sericopetala*.

"The 'Silver Astragalus,' a sand dune plant of the Tsangpo valley. It has purple flowers and beautiful silvery silken-haired leaves and stems, and is *par excellence* a rock garden plant. It will grow almost anywhere where there is no soil. Southern Tibet."

KW 12,318. *Delphinium*.

"A gregarious alpine, forming large clumps in the rich soil of the yak camping grounds. Height 3 ft., with long spikes of flowers of an unusual and peculiar shade of blue-violet. August-September. Tsari, 13,000-14,000 ft., Southern Tibet."

KW 12,344. *Lonicera cyanocarpa* ? var.

“ A bushy undershrub about 2 ft. high, with pear-shaped blue-violet berries hidden by large papery bracts. Flowers not seen, but either yellow or possibly purple as in No. 11,880 collected in the same locality. Grows in thickets amongst boulders, above 12,000 ft. Tsari, Southern Tibet.”

KW 12,345. *Lonicera*.

“ A dwarf undershrub, smaller all over than No. 12,344, often prostrate. Berries similar. Flowers not seen. A rock garden plant, found at rather higher altitudes in the wet valleys of Tsari, Southern Tibet.”

KW 12,376. *Dracocephalum tanguticum*.

“ A pleasantly aromatic herb, with spikes of violet flowers. For dry places on the rock garden. Widely spread in the drier, stonier valleys of southern and eastern Tibet, flowering from July to September.”

KW 12,381. Cruciferae.

“ A tufted-rosette rock plant, apparently both local and rare, growing on bare cliffs, most of the plant hidden within the rock. Flowers large, white, tinged lilac, very fragrant, in June. Probably resistant to cultivation. Seen at one spot only north of the Pen La, at 16,000 ft., Southern Tibet.”

KW 12,383. Morina.

“ A plant of 1½-2 ft., growing in small clumps in the sub-alpine meadows up to 14,000 ft. Confined to the southern wetter side of the Himalaya, and suitable for stream sides. Flowers not seen, but borne in a solid uninterrupted spike, 6 to 9 ins. long. July or August. Mago, Mönyul, Tibet.”

*KW 12,386. *Cotoneaster horizontalis* var ?

“ A completely prostrate small-leaved rock shrub, with pillar box scarlet berries of unusual size. On the rocky slopes of the Tulung La, at 15,000 ft. Southern Tibet.”

KW. O 12,392. *Meconopsis simplicifolia*.

“Flowers variable, but often a good blue. Height 2-3 ft., July, in sub-alpine and alpine meadows, amongst scrub. Mönyul, Assam Himalaya, also Tsari, Southern Tibet.”

KW 12,402. *Delphinium yunnanense*?

A small herbaceous alpine not above 9 in. high, bearing a few large brilliant blue flowers. On the drier ranges at 13,000-15,000 ft. Southern Tibet.”

KW 12,403. *Allium*.

“A sub-alpine meadow plant growing in open places within the forest belt of Spruce and deciduous broad-leaved trees. Height 1 ft. Flowers not seen, borne in a good-sized umbel: probably good. Suitable for rock garden, or the front of the herbaceous border. 10,000-12,000 ft. Mönyul, Assam Himalaya.”

KW 12,406. *Diapensia* ?

“A mat plant on granite rocks, fully exposed to the south. Within the *Abies-Rhododendron* belt. A few seeds collected from the half-empty capsules. 11,000-12,000 ft. Poshing La, Assam Himalaya.”

KW. O 12,406. *Nomocharis*.

“Probably *Nomocharis nana*, but flowers not seen. In alpine valleys, scattered amongst boulders, on grassy slopes. Mönyul, Assam Himalaya.”

KW 12,407. *Gentiana*. § *Frigida*.

“In fruit, scattered over grassy alps within the *Abies-Rhododendron* belt. 11,000-12,000 ft. Poshing La, Assam Himalaya.”

KW 12,409. *Meconopsis*. (*M. argemonantha* ?)

“In fruit on the precipitous cliffs of the Poshing La. Very rare. Height 9-12 ins., with 2 or 3 flowers. 13,000-14,000 ft. Assam Himalaya.”

KW 12,411. *Illicium Griffithii*.

"A large evergreen shrub, with white flowers and aromatic fruits. Possibly hardy in mild districts, coming from over 8,000 ft. in mixed forest. Tembang, Assam Himalaya."

KW 12,412. *Michelia*.

"A moderate-sized deciduous tree, in forest. Doubtfully hardy, though coming from 8,000 ft. Tembang, Assam Himalaya."

KW. O 12,421. *Omphalogramma*.

"A few widely scattered plants in fruit—capsules nearly all empty—on alpine turf slopes amongst Rhododendron bushes, in October. 12,000 ft. Poshing La, Mönyul, Assam Himalaya."

*KW 12,435. *Clematis*.

"Flowers purple, nodding. An autumn-flowering plant, not so rampant as most species of *Clematis*. Common in hedges round cultivation in the rather dry valleys of the inner ranges, at 6,000-7,000 ft. Dirang Dzong, Assam Himalaya."

KW 12,439. *Pleione*.

" Flowers purple, with yellow crest on the tip. Colonies of the pseudo bulbs are found growing on steep earth banks in the Pine-Oak forest, at 7,000-8,000 ft., flowering in November, despite sharp frost. Balipara Frontier, Assam Himalaya."

KW 12,440. *Primula* sp. nov. ? § *Cortusoides* §§ *Geranioides*.

" In fruit. Resembles *P. Normaniana*. Growing in deep shade in the *Rhododendron* forest, either on the ground or on mossy banks. Abundant locally at 9,000-10,000 ft. Poshing La, Assam Himalaya."

KW 12,441. *Rosa*.

" A large scrambler in the mixed temperate rain forest. Fruits large, finely pubescent, dull yellow, like crab apples, in loose pendent corymbs. Flowers not seen, evidently rather large. The united styles and deciduous calyx segments suggest *R. moschata*. Shergaon, 7,000 ft., Assam Himalaya."

KW 12,445. *Ilex*.

"An evergreen small-leaved shrub, with black berries. On dry sunny ridges in the Pine-Oak forest above 8,000 ft. Shergaon, Assam Himalaya."

KW 12,448. *Adenophora*.

"A rather tall slender herb with pale violet flowers of good size, opening in October. On dry Oak-Pine clad slopes, amongst grass and herbage. 5,000 ft. Rupa, Assam Himalaya."

KW 12,449. *Cupressus torulosa* var. ?

"A large tree of pyramidal shape, scattered in a limestone (dolomite) gorge. In fruit. It has the appearance of *C. torulosa*, hitherto known only as far east as Nepal. Rupa, 5,000-6,000 ft., Assam Himalaya."

*KW 12,450. *Cypripedium Fairrieanum* var.

“Scape, 6 ins. high or less. Ground of flower honey yellow, the standard with dark purple anastomosing veins. Lateral petals narrow, recurved, fringed with long bristles. Scape and flower finely glandular pubescent. Leaves not mottled. In masses on dolomite—and only on dolomite—cliffs, at Rupa, 5,000 ft. Flowering October - November. Assam Himalaya.”

KW 12464. *Begonia*.

“A yellow-flowered plant of the rain forest. It grows on rocky outcrops above 5,000 ft. and has picturesquely enormous leaves which clasp the ground. Not hardy. Balipara Frontier, Assam Himalaya.”

KW 12,487. *Begonia*.

“A dwarf dry-earth-face plant, 1 to 3 ins. high, smooth leafed, white or possibly pink flowered. It grows on cliffs in the rain forest wherever the trees cannot shade it or drip on it. Balipara Frontier, Assam Himalaya.”

KW 12,489. *Cirrhopetalum* ?

"An epiphyte of the hill jungle. Flowers closely speckled with purple on a white ground. 2,000 ft., valley of the Bhareli, Assam Himalaya."

*KW 12,503. *Pyrus*.

"A small spreading forest tree found at about 6,000 ft. in the hills. Leaves, young shoots, and inflorescence covered with long white cottony hairs. Flowers large, white, fragrant, in showy corymbs. In November the tree was particularly beautiful, bearing (i.) young leaves, (ii.) a flush of flowers just over, and (iii.) a new flush of flowers, just open, or still in bud. Possibly hardy. Naga Hills, Assam."

KW 12,512. *Pyrus vestita* ?

"A small rather dense tree with close thickset branches, the branchlets often becoming spines. Leaves entire, not all fallen by mid November. Flowers white, in March. Fruits like small apples, up to 2 ins. in circumference. In villages, 5,000 ft. Naga Hills, Assam."

KW 12,513. *Jasminum heterophyllum*.

“ Flowers yellow, in large pendent corymbs (or compound cymes). Leaves 3-foliate, large where the plant grows in deep shade, much smaller in open places. A bushy shrub 6-8 ft. high, growing in warm temperate forests, flowering in the rainy season. 6,000 ft., Naga Hills, Assam.”

KW 12,521. *Clematis*.

“ An almost dwarf species, growing in full sun on open grassy hillsides, and often finding no support. Stems perhaps only 2-3 ft. long. Might be hardy. Perhaps = No. 12,435. East of Kohima, Naga Hills Assam.”

KW 12,524. *Manglietia insignis*.

“ A big tree of the temperate rain forest above 7,000 ft. Found in fruit in November. Naga Hills, Assam.”

KW 12,538. *Callicarpa rubella*.

“ A sub-tropical shrub of shady places. Height 2-3 ft. with long arching stems. The numerous bunches of tiny polished fruits in the axils of the opposite leaves, ripe in November, are vivid magenta, quite unlike any other berried plant.”

KW 12,550. *Verbena* ?

“ An annual with heads of small mauve flowers. Found on dry grassy hilltops from which the forest has long been cleared, at and above 5,000 ft. Height 3-4 ins. The soil is a light sandy loam. Kohima district, Naga Hills, Assam.”

KW 12,550. *Verbena* ?

“ A dwarf annual, 1-3 ins. high, with violet flowers. It grows amongst high grass in full sun, flowering in November. 4,000 ft. Naga Hills, Assam.”

KW 12,556. *Thespesia*.

“ A herb, up to 6 ft. high. Flowers very large, bright yellow with maroon centre. Cultivated at 3,000-4,000 ft. Naga Hills, Assam.”

KW 12,556. *Thespesia*.

“ Flowers yellow. Height 4-6 ft. Cultivated for a dye. Kohima district, 3,000 ft., Naga Hills, Assam.”

KW 12,557. *Cassia* ?

“ An evergreen sub-tropical shrub with white flowers and handsome leaves. Open places in the sub-tropical valleys, 2,000-3,000 ft. Naga Hills, Assam.”

KW. O 12,557. *Diospyros*.

" One of the Ebony family. A big tree, found in warm temperate rain forest at 6,000 ft. Fruits picked up and eaten, luscious, golden yellow, the size of a large plum, ripe in November. Probably not hardy. Naga Hills, Assam."

KW. O 12,558. *Dicentra scandens* ?

" A voluminous ramping herbaceous climber with glaucous foliage and pendent bunches of dull yellow flowers, succeeded by dull crimson pear-shaped fruits. Flowers and fruit often seen together in November. Probably not very hardy, though it ascends to 7,000 ft. or higher. Naga Hills, Assam."

KW 12,563. *Onosma* sp. nov.

" A tall weak perennial herb, roughly hairy. Flowers violet, late summer and autumn. The large leaf rosette gives origin to several flowering stems which lie over the rocks. Japvo, 9,000 ft., Naga Hills, Assam."

KW 12,569. *Rubus calophyllus*.

"A species with magnificent leaves, very large, simple, covered with silvery silken hairs. Grows about 5 ft. high. Japvo, 9,000-10,000 ft., Naga Hills, Assam."

*KW 12,570. *Rubus* sp. nov. ?

"Like *R. lineatus*, but leaflets much larger and only 3-foliolate. A smaller shrub than *R. calophyllus*, but growing with it in thickets amongst *Rhododendrons* on the summit of Japvo, 9,000-10,000 ft., Naga Hills, Assam."

*KW 12,571. *Pyrus foliolosa* ?

"A small Rowan found in the upper *Rhododendron* forest, 8,000-9,000 ft., on Japvo, the leaves scarlet in November, fruits rosy red, in large hanging bunches. Naga Hills, Assam."

KW 12,572. *Rosa* sp.

"Found on the very summit of Japvo—one plant, leafless and with nearly all its fruits gone. Growing amongst the large rocks and dense thickets of dwarf *Arundinaria*, exposed to all the weather. 10,000 ft. Naga Hills, Assam."

KW 12,573. *Berberis Wallichiana*.

“ A compact low growing evergreen bushy shrub, hardly exceeding 3 ft. in height, sometimes as much through. The thick rigid leaves, silvery beneath, are handsome. Flowers in April, yellow. Fruits purple, November. Japvo, 10,000 ft., Naga Hills, Assam.”

KW. O 12,573. *Cotoneaster Simondsii*.

“ A small deciduous shrub for the rock garden. Leaves wine red in November, branches covered with large vermilion berries. A variable species which I have previously collected elsewhere. Japvo, 10,000 ft., Naga Hills, Assam.”

KW. O 12,576. *Clematis montana* variety ?

“ In fruit on Japvo, at 8,000-9,000 ft. altitude. Naga Hills, Assam.”

KW 12,578. *Maesa* sp.

“ A small evergreen shrub with large rugose leaves and opaque cream white berries. Flowers (not seen) borne all up the shoots very freely ; probably white. In thickets along the rocky south ridges of Japvo, amongst rocks. 8,000 ft. Naga Hills, Assam.”

KW. O 12,580. *Lobelia* sp.

"A herb, 1 or 2 ft. high, growing in scrub on the exposed side of Japvo, at 9,500 ft. Flowers not seen, apparently large. There are several species of *Lobelia* in the Naga Hills, mostly clumsy herbs 6-10 ft. high, with white or violet flowers. This looks unlike any of them. Assam."

KW 12,581. *Myrsine semiserrata*.

"A large shrub, the stems crowded with fascicles of small white flowers, followed by small red berries. Evergreen. In thickets, middle forest region and therefore doubtfully hardy. Kohima, 5,000-6,000 ft., Naga Hills, Assam."

KW. O 12,581. *Chloranthus trachystachyus*.

"A small evergreen shrub of shady thickets carrying numerous heads of large vermilion berries in winter. Used for Christmas decoration in Kohima. Not hardy. A pot plant. 5,000-6,000 ft. Naga Hills, Assam."

KW 12,582. *Swertia bimaculata*.

“ A herb with tall annual flowering stems, much branched and bearing numerous flowers, white with purple spots. A wayside plant of damp pastures. Kohima, 5,000-6,000 ft., Naga Hills, Assam.”

KW 12,586. *Cephalotaxus Griffithii* (or *C. Mannii*).

“ A small tree, sombre in colour, branched almost to the ground, the branches gnarled. It grows scattered in the temperate forest and rarely bears fruit. Yew-like in appearance, except when in fruit, the fruits resembling small plums. Japvo, 8,000-9,000 ft., Naga Hills, Assam.”

KW. O 12,587. *Solanaceae* ?

“ A rather coarse quick growing herb with pretty blue flowers. Found growing on open ground near villages and probably introduced. Not hardy. Kohima, 5,000 ft., Naga Hills, Assam.”

KW. O 12,590. *Aconitum Elwesii*.

“A turning plant with violet flowers, opening in late autumn. Tizu River, 7,000 ft., Naga Hills, Assam.”

N.B.—A “O” before a number indicates that there is no herbarium specimen under that number in existence.

All other numbers correspond with herbarium specimens collected under the same number in the course of the expedition. These dried specimens can be seen at the Natural History Museum, South Kensington.

*Plants of special merit are marked with a star thus **

