

## NOTES RELATING TO THE FLORA OF BHUTAN: XXXVI. UMBELLIFERAE, II

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The second and final part, in which Himalayan taxa in the genera *Acronema*, *Angelica*, *Chamaesciadium*, *Chamaesium*, *Heracleum*, *Lalldhwojia*, *Oenanthe*, *Physospermopsis*, *Pimpinella*, *Pleurospermopsis*, *Pleurospermum*, *Schulzia*, *Selinum*, *Sinocarum*, *Tordyliopsis* and *Vicatia* are typified with notes on some critical groups (notably *Acronema*, *Selinum* and *Sinocarum*). The new name *Cnidium bhutanicum* is established. A list of voucher specimens for the whole Flora account is appended.

*Keywords.* *Acronema*, *Angelica*, *Apiaceae*, *Chamaesciadium*, *Chamaesium*, *Cnidium*, *Heracleum*, *Lalldhwojia*, *Oenanthe*, *Physospermopsis*, *Pimpinella*, *Pleurospermopsis*, *Pleurospermum*, *Schulzia*, *Selinum*, *Sinocarum*, *Tordyliopsis*, typification, *Vicatia*.

### INTRODUCTION

This is the second paper of a two-part series presenting the taxonomic and nomenclatural decisions resulting from the study of E Himalayan *Umbelliferae* for the *Flora of Bhutan*. The first part (Watson, 1996) deals with the ten new species and two new combinations, and the current paper includes the numerous typifications and critical notes needed for the interpretation of the Flora account. During the course of the study the author has had the chance to examine a great deal of the herbarium material available from the E Himalaya (mainly housed at BM, E and K). In order to aid interpretation of past works, and help with identification of duplicate material housed in other herbaria, the author has appended a complete listing of the specimens identified for the whole Flora area (i.e. Bhutan, Chumbi Valley (Tibet), the Indian state of Sikkim and Darjeeling District of West Bengal).

Nathaniel Wallich's herbarium, assembled during the early part of the 19th century, includes many species of Himalayan *Umbelliferae*. He documented this herbarium in his Catalogue (Wallich & Bentham, *Numer. List* 1829–49) coining many new names. Duplicate sets of specimens were distributed, some bearing these Catalogue numbers, to many herbaria worldwide (top set at K-W, available on IDC microfiche). Unfortunately this list contains no descriptions and all the new names are invalidly published as *nomina nuda*. Wallich collated his herbarium putting different gatherings of what he thought were the same plant under the same species number, distinguishing separate collections as decimal divisions of this. Wallich had a huge task to collate his herbarium ready for splitting and distribution, and it is not surprising that he made mistakes and mixed collections. De Candolle received an unnumbered set of Wallich's herbarium (now housed at G-DC, also available on

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IDC microfiche) and validated many of Wallich's Umbel names in his *Prodromus* (1830), often under different generic names. The majority of De Candolle's names still require formal lectotypification, and given the problems of mixed Wallich collections I have critically dealt with his E Himalayan taxa in this paper. Unless otherwise stated I have used De Candolle's own herbarium as the primary source of lectotypes as this is what he would have used. Indeed, where only one specimen is now present in the De Candolle herbarium this could be considered the holotype. However, one cannot rule out any loss of material from this herbarium since the publication of *Prodromus*, and not all his specimens were included in the microfiche edition, so I am treating all new typifications as lectotypifications. I have not seen the collections at Geneva, but using the IDC microfiche of De Candolle's herbarium, in conjunction with the Wallich Herbarium at Kew, I have chosen the best specimen showing the salient characters (usually the one with most mature fruit). The specimens in other herbaria bearing the same Wallich numbers may be from different gatherings, but where the taxa and phenology of the specimens match the De Candolle material they are presumed isolectotypes.

Since De Candolle only a few people have worked on the whole family across the Himalayan range (Clarke, 1879; Mukherjee & Constance, 1993), and some genera have become taxonomically entangled by the dabblings of botanists looking at small geographic ranges, often using poor material. Although this paper leaves some E Himalayan umbellifer problems unresolved, I hope that it will provide a solid basis for future research. It is envisaged that through the revision processes of the Chinese *Umbelliferae* account for the new *Flora of China* (coordinated by the author), Chinese and Western umbellifer experts will be able to collaborate towards a better understanding of the complex Sino-Himalayan members.

#### *Acronema* Edgew.

The genus *Acronema* is critical and problematic, and has probably suffered the worst of all Himalayan umbellifer genera through the dabblings of botanists working on inadequate material, from small geographic areas (see also *Sinocarum* R.H. Shan & F.T. Pu). During the mid 1980s Farille worked on the Himalayan material from the major British herbaria (BM, E and K) leaving many annotations and coining new names, but did not formally publish them. He apparently used a narrow species concept and did not take into account the published Chinese taxa: many of his blunt-petaled, thick-rooted species should be referred to *Sinocarum*. For the *Flora of Bhutan* I have dealt with the Bhutanese and Sikkimese material in context with the whole geographic range of the genus, but a full monographic treatment of *Acronema* and its allied genera *Pimpinella* L., *Tongoloa* H. Wolff and *Sinocarum* is badly needed. Given the paucity of good herbarium material this is a challenging task and will require extensive field studies to elucidate the true generic boundaries. For the purposes of the *Flora of Bhutan* these genera are separated on the following suites of diagnostic characters:

*Pimpinella*: rootstock fusiform to a robust tap-root; leaf segments ovate to lanceolate, petioles narrowly winged at base; flowers regular, petals rounded to acute.

*Acronema*: rootstock usually a small, globose tuber; leaf segments lanceolate to linear-lanceolate, petioles narrowly sheathed; flowers regular, petals acute to finely acuminate.

*Sinocarum*: rootstock usually a stout elongate tuberous rhizome; leaf segments lanceolate to linear-lanceolate, petiole sheaths greatly expanded; flowers somewhat irregular, petals rounded to acute.

*Tongoloa*: rootstock a woody tap-root; leaf segments lanceolate to linear-lanceolate, petioles broadly sheathed at base; flowers weakly irregular, petals rounded.

### Key to Bhutanese species of *Acronema*

- 1a. Rootstock a thick elongate rhizome or tap-root; umbels usually many-rayed, rays > 8; umbellules many-flowered, pedicels, > 9, minutely puberulent; petals elliptic to obovate, apex acute \_\_\_\_\_ **A. bellum** (C.B. Clarke) P.K. Mukh.
- 1b. Rootstock a globose tuber or slender rhizome; umbels with fewer (< 8) rays, and fewer pedicels (< 8) both usually glabrous; petals ovate-acuminate to lanceolate with a filiform tip \_\_\_\_\_ 2
- 2a. Leaflets with margin, main and secondary veins conspicuously scaberulous above; petals ovate (> 0.7mm wide) with an acuminate tip; fruit subglobose \_\_\_\_\_ **A. nervosum** H. Wolff
- 2b. Leaflets glabrous or minutely scaberulous on margins and midrib only; petals lanceolate (< 0.7mm wide) tips acuminate to filiform; fruit narrowly ovoid or subglobose \_\_\_\_\_ 3
- 3a. Plants usually > 25cm tall; petals creamy white with long densely pubescent filiform tips 2–3 × length of blade; mature fruits subglobose \_\_\_\_\_ **A. hookeri** (C.B. Clarke) H. Wolff
- 3b. Plants usually < 25cm tall; petals white to purplish, acute to acuminate, but tips < 2 × blade and at most minutely papillate; fruits subglobose to narrowly ovoid \_\_\_\_\_ 4
- 4a. Plants usually < 5cm tall; petals linear-subulate; fruit subglobose \_\_\_\_\_ **A. sichuanense** S.L. Liou & R.H. Shan
- 4b. Plants > 5cm tall; petals lanceolate; fruit ovoid-globose to narrowly ovoid \_\_\_\_\_ 5
- 5a. Petals purplish with narrowly acuminate or shortly filiform minutely papillate tips; fruits narrowly ovoid \_\_\_\_\_ **A. tenerum** (Wall. ex DC.) Edgew
- 5b. Petals acute, glabrous; fruits ovoid-globose \_\_\_\_\_ **A. pseudotenerum** P.K. Mukh.

**Acronema bellum** (C.B. Clarke) P.K. Mukh. in Bull. Bot. Surv. India 24: 42 (1983). Syn.: *Pimpinella bella* C.B. Clarke, Fl. Brit. India 2: 686 (1879). Type: Sikkim: Phulloot [Phalut], 11,000ft, 27 x 1875, C.B. Clarke 25,719 (lecto. selected here K).

An unusual large, robust plant with stout rootstock and blunt petals that sits rather uncomfortably on the boundary between *Pimpinella* and *Acronema*. Further detailed study is needed to place this distinctive taxon firmly.

***Acronema handelii*** H. Wolff, Pflanzenr. 90 Heft. (4.228): 322 (1927).

Syn.: *Pimpinella handelii* (H. Wolff) M. Hiroe, Umbelliferae of World 831 (1979). Type: China: *Acronema handelii* H. Wolff [det. H. Wolff], NW Yunnan, between Peti and Alo, to the SW of Chungtien, 3800–4000m, 8 viii 1914, *H. Handel-Mazzetti* 4588 (Diar. Nr. 732) (lecto. selected here E; isolecto. US).

The specimen indicated on the sheet as the type by Farille, is formally selected.

Although recorded in the literature as occurring in Bhutan, all specimens from the area have proved to be misidentifications.

***Acronema hookeri*** (C.B. Clarke) H. Wolff, Pflanzenr. 90 Heft. (4.228): 323 (1927).

Syn.: *Pimpinella hookeri* C.B. Clarke, Fl. Brit. India 2: 686 (1879). *Carum hookeri* (C.B. Clarke) Franch. in Bull. Soc. Philom. Paris VIII. 6: 122 (1894). Type: Sikkim: *Acronema* sp. 2, Lachen, 11,000ft, 31 vii 1849, *J.D. Hooker* (lecto. selected here K).

In the original description Clarke cites the Hooker specimens of *Acronema* sp. 2 from 'Sikkim, Northern valleys, Samdong and Lachen, alt. 8–11,000 ft'. The two Hooker specimens bearing his original field labels from Lachen and Samdong, and with Clarke's handwritten determination, are both rather immature with no fruit. The Lachen specimen is chosen as it is the most advanced and shows the underground parts.

Literature records of *A. paniculatum* (Franch.) H. Wolff from Bhutan have proved to be based on misidentifications of *A. hookeri*.

***Acronema hookeri*** (C.B. Clarke) H. Wolff var. ***graminifolium*** (W.W. Sm.) H. Wolff, Pflanzenr. 90 Heft. (4.228): 323 (1927).

Syn.: *Pimpinella hookeri* C.B. Clarke var. *graminifolium* W.W. Sm. in Rec. Bot. Surv. India 4: 267 (1913). *Acronema graminifolium* (W.W. Sm.) S.L. Liou & R.H. Shan in Acta Phytotax. Sin. 18(2): 197 (1980). Type: Chumbi Valley: Bhootan Himalaya, Punkabeeseemoo, 26 vii 1884, *Dungboo* 247 (lecto. selected here K).

Several type elements were cited by Smith in his original description: Sikkim, Pankabeemoo, 26 vii 1884, *Dungboo* 247; Sikkim, Yakcha, Lachung Valley, 10,000ft, Smith and Cave; Sikkim, Zemu Valley, 9–10,000ft, Smith and Cave; Gammie and Kings Collector without definite locality. Mukherjee and Constance (1993: 125) implicitly selected the first, and here it is formally designated as the lectotype.

This narrow-leaved taxon has been reported by several botanists to grow intermixed with the typical form, and hence is treated only at the varietal rank.

**Acronema nervosum** H. Wolff in Repert. Spec. Nov. Regni. Veg. Beih. 27: 315 (1930). Type: Sikkim: Changu [Tsongo], 2000ft, 10 vii 1910, *W.W. Smith* 3361 (lecto. selected here K).

Wolff cited *W.W. Smith* 3361 as the type without herbarium locality, the specimen at K, bearing Wolff's determination, is hereby selected as the lectotype.

**Acronema pseudotenerum** P.K. Mukh., Actes du 2ème Symposium International sur Les Umbellifères, Perpignan: 52 (1978).

Type: Sikkim: Momay Samdong (Lachung), 5000m, 18 ix 1982, *G.A. Gammie* 916 (holo. CAL).

In his original extremely brief diagnosis Mukherjee gave only a one line description and cited the holotype. In his joint work with Constance (Mukherjee & Constance, 1993) this description was amplified, but it was stated that this species was still known only from the type collection. During investigations for the *Flora of Bhutan*, it has come to light that there are three specimens in the Edinburgh herbarium (E) that were determined by Mukherjee as *Acronema pseudotenerum* in July 1986 (in Samoens, France, whilst on loan to Farille), but not included in Mukherjee & Constance (1993). These specimens are:

- a) S Tibet: Chosan, Tsari, 15,000ft, 14 viii 1936, *Ludlow & Sheriff* 2043, (BM, E)
- b) Tibet: Tsari, 13,000–14,000ft, 11 ix 1935, *Kingdon Ward* 12325, (BM, E)
- c) SE Tibet: Kongbo Province, Tsari Sama, Langong, 28°45'N 94°00'E, 11,500–12,500ft, 13 vi 1938, *Ludlow, Sheriff & Taylor* 5547, (BM, E)

These not only extend the range of the species into Tibet, but also provide petal characters not given in Mukherjee & Constance (1993). The petals of the above specimens are white to suffused purple, narrowly elliptic to lanceolate, acuminate at the apex, shortly clawed at the base, 1.3–2.7 × 0.5mm. Furthermore, the rootstock appears to be a slender (mat-forming?) horizontal rhizome, to 30 × 2mm.

**Acronema tenerum** (DC.) Edgew., in Trans. Linn. Soc. London 20: 51 (1846).

Syn.: *Sison tenerum* Wall., Numer. List. 593 (1829) *nomen nudum*. *Helosciadium tenerum* DC., Prodr. 4: 105 (1830). *Pimpinella tenera* (DC.) C.B. Clarke, Fl. Brit. India 2: 686 (1879). *Carum tenerum* (DC.) Franch. in Bull. Soc. Philom. Paris VIII. 6: 122 (1894). Type: Nepal: *Sison? tener* Wall., Mons. Alto Sheopore Napalae, ix 1821, *Wallich* [Wall. Cat. 593] (lecto. selected here G-DC *n. v.* [IDC fiche, sheet 599]; isolecto. K, K-W, LIV).

*Pimpinella tenera* var. *dissecta* C.B. Clarke, Fl. Brit. India 2: 686 (1879). *Acronema tenerum* var. *dissectum* (C.B. Clarke) H. Wolff, Pflanzenr. 90 Heft. (4.228): 321 (1927). Type: based on same collection as the typical variety 'with type', presumably K-W specimen.

This is the type of the genus *Acronema* Edgew. Literature records of *A. musciculum* (Hand.-Mazz.) Hand.-Mazz. from Bhutan have proved to be based on misidentifications of this *A. tenerum*.

*Angelica* L.

***Angelica nubigena*** (C.B. Clarke) P.K. Mukh. in Bull. Bot. Surv. India 24(1-4): 42 (1982).

Syn.: *Heracleum nubigenum* C.B. Clarke, Fl. Brit. India 2: 713 (1879). Type: Sikkim: *Heracl. diversifolium*, Regio temp. Chola [Cho La], 11,000ft, 6 xi 1849, *J.D. Hooker* (lecto. selected here K; isolectos CAL *n.v.*, K).

Constance annotated the above Kew specimen as the holotype in 1978, and it is hereby formally designated as the lectotype.

***Angelica sikkimensis*** (C.B. Clarke) P.K. Mukh. in Bull. Bot. Surv. India 24(1-4): 43 (1982).

Syn.: *Peucedanum sikkimense* C.B. Clarke, Fl. Brit. India 2: 710 (1879). Type: Sikkim: Rishee [Rishi] 5000ft, 5 x 1875, *C.B. Clarke* 24997a (lecto. selected here K; isolectos CAL *n.v.*, K).

*Chamaescidium* C.A. Meyer

***Chamaescidium subnudum*** (H. Wolff) C. Norman in J. Bot. 76: 233 (1938).

Syn.: *Trachydium subnudum* H. Wolff in Repert. Spec. Nov. Regni Veg. Beih. 27: 125 (1929). Type: Chumbi Valley: Kambajong [Tawa Dzong], ix 1903, *D. Prain* (lecto. selected here K; isolecto. E).

*Trachydium verrucosum* R.H. Shan & F.T. Pu, Fl. Reip. Popul. Sinicae, 55(1): 299 (1979). Type: China, Xizang, Lhasa, Nai-go-ma Shan, 5000m, 18 viii 1965, *Y.T. Chang* & *K.Y. Lan* 1885 (holo *n.v.*[herbarium not cited]).

*Trachydium lamondianum* Farille & Malla in Candollea 40: 533 (1985). Type: Chumbi Valley: Phari, 14,000ft, 12 ix 1912, *Rohmoo Lepcha* 252 (holo. E).

Of the two syntype elements cited by Wolff for *T. subnudum*, that chosen as lectotype bears C.B. Clarke's manuscript name which Wolff published, and the collection is represented in at least two herbaria.

This taxon has in the past been poorly understood as fruiting material is scarce. Flowering and immature fruiting material has been superfluously described within *Trachydium* (*T. verrucosum*, *T. lamondianum*) on gross morphology, even though the radiant petals and hispid hairs are uncharacteristic of the genus. Norman (1938) had good mature fruiting material available to him, and as part of his rationalization of *Trachydium* transferred the taxon into *Chamaescidium*. This species is still rather

poorly known, and further work is required on this and other squat, high-altitude Sino-Himalayan umbellifers.

*Chamaesium* H. Wolff

**Chamaesium viridiflorum** (Franch.) H. Wolff ex R.H. Shan in *Sinensia* 8: 87 (1937).  
Syn.: *Trachydium viridiflorum* Franch. in *Bull. Soc. Philom. Paris* VIII 6: 111 (1894).  
*Chamaesium viridiflorum* (Franch.) C. Norman in *J. Bot.* 76: 231 (1938) *comb. superfl.*  
Type: China: Yunnan, Maeulchan, 11,500ft, 10 ix 1889, *Delavay* 3900 (lecto. selected by Mukherjee & Constance, *Umbel. of India* 33 (1993), P).

*Trachydium affine* W.W. Sm. in *Rec. Bot. Surv. India* 4: 374 (1913). Of the two syntype elements cited by Smith the following is chosen as the material is in better condition and there is a duplicate at K. Type: Sikkim: Sikkim Himalaya, Ningbil, [Chola range] 13,500ft, 5 viii 1910, *W.W. Smith* 4115 (lecto. selected here E; isolecto. K).

**Chamaesium novem-jugum** (C.B. Clarke) C. Norman in *J. Bot.* 76: 231 (1938).  
Syn.: *Trachydium novem-jugum* C.B. Clarke, *Fl. Brit. India* 2: 672 (1879). Type: Sikkim: *Trachydium sp.5*, Regio Alp, Lama Kangra [Kongra La], 14,000ft, 24 vii 1849, *J.D. Hooker* (lecto. selected here K).

*Cnidium* Cusson

**Cnidium bhutanicum** M.F. Watson, *nom. nov.*

Basionym: *Cnidium atropurpureum* M.F. Watson in *Edinb. J. Bot.* 53: 128 (1996), non Spreng. in J.J. Roemer & J.A. Schultes, *Syst.* 4: 418 (1820). Type: Bhutan: Thimphu District, Talukah [Tataka] Gompa, 3700m, 28 viii 1988, *J.R.I. Wood* 6609 (holo. E.).

*Heracleum* L.

**Heracleum candicans** Wall. ex DC., *Prodr.* 4: 192 (1830).

Syn.: *Heracleum candicans* Wall., *Numer. List.* 573 (1829) *nomen nudum.*  
*Tetrataenium candicans* (Wall. ex DC.) Manden. in *Zametki Sist. Geogr. Rast.* 41: 44 (1986). Type: India: Kumaon, *Robert Blinkworth* [Wall. Cat. 573.2] (lecto. selected here G-DC *n.v.* [IDC fiche, sheet 635]; isolecto. K-W).

This and *Heracleum obtusifolium* Wall. ex DC. form a complex group requiring further study and elucidation across the whole Sino-Himalayan region. The former tends to have more rounded leaflets with crenate margins, the latter acute leaflets with serrate-dentate margin.

**Heracleum nepalense** D. Don, Prodr. Fl. Nepal: 185 (1825).

Syn.: *Tetrataenium nepalense* (D. Don) Manden. in Trudy Tbilissk. Bot. Inst. 20: 17 (1959). Type: Nepal: Mont. alt. Nepalia, 1821, Wallich [Wall. Cat. 576] (lecto. selected here BM [on sheet with *Schlagintweit* 4892]; isolectos CAL *n.v.*, E, K, K-W).

The type collections appear somewhat heterogeneous, but in fact all represent the same species. This complex species is often poorly collected on account of the plant's sheer size. The characteristic main terminal umbels are often not collected in favour of the smaller 'plant-press size' umbels on side branches!

**Heracleum obtusifolium** Wall. ex DC., Prodr. 4: 191 (1830).

Syn.: *Heracleum obtusifolium* Wall., Numer. List. 577 (1829) *nomen nudum*. *Tetrataenium obtusifolium* (Wall. ex DC.) Manden. in Zаметки Sist. Geogr. Rast. 42: 13 (1991). Type: Nepal: *Heracleum obtusifolium*, Napalia, 1821, Wallich [Wall. Cat. 577] (lecto. selected here G-DC *n.v.* [IDC fiche, sheet 634]; isolecto. K-W).

See notes under *Heracleum candicans*.

**Heracleum sublineare** C.B. Clarke, Fl. Brit. India 2: 713 (1879).

Syn.: *Tetrataenium sublineare* (C.B. Clarke) Manden. ex Farille, Cauwet & S.B. Malla in Candollea 40: 562 (1985). Type: Sikkim: *Pastinaca* sp.4, unlocalized, 10,000–13,000ft, J.D. Hooker (lecto. selected here K).

Clarke cites the type details as '*Pastinaca* sp.4, Sikkim, 10,000-13,000ft, J.D. Hooker, Herb. Ind. Or. Hook. fil & Thomson'. There are three sheets at K, which are referable to this description: one bearing collections from Lachen and Lachoong [Lachung]; another bearing collections from Tونغу [Thanggu] and Yeumtong [Yumthang]; and the third with unlocalized Sikkimese plants. It is thus difficult to ascribe precise localities to any of the plants, and as the third sheet has the best material I have chosen it as the lectotype.

**Heracleum wallichii** DC., Prodr. 4: 195 (1830).

Syn.: *Heracleum diversifolium* Wall. p.p., Numer. List 574 (1829) *nomen nudum*. *Tetrataenium wallichii* (DC.) Manden. in Zаметки Sist. Geogr. Rast. 41: 47 (1986). Type: Nepal: *Heracleum diversifolium*, Mont. alt. Nepalia, ix 1821, Wallich [Wall. Cat. 574.1] (lecto. selected here G-DC *n.v.* [IDC fiche, sheet 636]; isolectos BM? [un-numbered], E, K-W).

Under the Wallich catalogue number 574 there are two gatherings, one (574.1) from the wild in Nepal, and the other (574.2) from the Calcutta Botanic Garden grown from seed from Nepal. Study of the collections in the Wallich Herbarium (K-W) reveal that the specimen from cultivated material (574.2) is not a *Heracleum* but in fact an immature hairy-fruited *Pimpinella diversifolia* (see notes under *Pimpinella*).



*Lalldhwojia* Farille

**Lalldhwojia staintonii** Farille in Rev. Gen. Bot. 91: 28 (1984). Type: Nepal: Versant nord de Lamjung, 3800–4000m, 24 ix 1981, *M.A. Farille* 81–565 (holo. KATH, *n.v.*; iso. BM, E, G *n.v.*, P *n.v.*).

Syn.: *L. cooperi* Farille in Rev. Gen. Bot. 91: 31 (1984). Type: Sikkim: Bharang, border with Bhutan, 1 ix 1913, *R.E. Cooper* 772 (holo. E).

*Peucedanum acronemifolium* H. Wolff, Repert. Spec. Nov. Regni Veg. Beih. 33: 386 (1933). Type: Sikkim: Changu, 12,500ft, 13 viii 1910, *W.W. Smith* 4287 (lecto. selected here K).

Farille (1984) erected the genus *Lalldhwojia* describing *L. staintonii* Farille (the type species) from two gatherings, together with the smaller *L. cooperi* Farille from a single collection. On examining further, recent and historic, collections from Bhutan and Sikkim it is apparent that the latter is merely based on a depauperate gathering and does not merit taxonomic recognition. *Lalldhwojia* is thus considered to be a monotypic genus with *L. staintonii* (syn. *L. cooperi*) as the only species.

*Oenanthe* L.

**Oenanthe hookeri** C.B. Clarke, Fl. Brit. India 2: 697 (1879).

Type: India: 1. *Oenanthe*, Khasia, Regio Temp., 5–6000ft, *J.D. Hooker & T. Thomson s.n.* (lecto. selected here K).

**Oenanthe thomsonii** C.B. Clarke, Fl. Brit. India 2: 697 (1879).

Type: India: 2. *Dasyloma*, Khasia, Churra, Regio Temp., 5–6000ft, 12 vi 1850, *J.D. Hooker & T. Thomson* 585 (lecto. selected here K).

*Physospermopsis* H. Wolff

**Physospermopsis kingdon-wardii** (H. Wolff) C. Norman in J. Bot. 76: 231 (1938).

Syn.: *Trachydium kingdon-wardii* H. Wolff in Repert. Spec. Nov. Regni Veg. Beih. 27: 124 (1929). *Pleurospermum kingdon-wardii* (H. Wolff) M. Hiroe, Umbelliferae of World 747 (1979). Type: China: Plants of NW Yunnan and E Tibet, *Trachydium* sp., Atuntsi [Dechin], 14,500ft, 7 viii 1913, *F. Kingdon Ward* 992 (lecto. selected here E).

Only the above collection was cited in the protologue, and as the specimen in Edinburgh bears a determination by Wolff (30 v 1928) it is chosen as the lectotype.

**Physospermopsis obtusiuscula** (DC.) C. Norman in J. Bot. 76: 231 (1938).

Syn.: *Ligusticum obtusiusculum* Wall., Numer. List 543 (1839) *nomen nudum*. *Hymenolaena obtusiuscula* DC., Prodr. 4: 246 (1830). *Trachydium obtusiusculum*

(DC.) C.B. Clarke, Fl. Brit. India 2: 673 (1879). *Pleurospermum obtusiusculum* (DC.) M. Hiroe, Umbelliferae of World 741 (1979). Type: Nepal: *Ligusticum obtusiusculum* Wall. Gossain Than, 1821 *Wallich* [Wall. Cat. 543] (lecto. selected here G-DC [specimen bearing full label] *n.v.* [IDC fiche, sheet 654]; isolectos G-DC *n.v.*, K-W, K).

*Trachydium obtusiusculum* (DC.) C.B. Clarke var. *strictum* C.B. Clarke, Fl. Brit. India 2: 673 (1879). Type: Sikkim: *Trachydium* sp. 6, Sikkim, Chola, Regio temp, 10–12,000ft, 6 xi 1849, *J.D. Hooker* (lecto. selected here K [specimen bearing Clarke's drawing of the fruit cross-section]).

*Trachydium hirsutulum* C.B. Clarke, Fl. Brit. India 2: 672 (1879). *Physospermopsis hirsutula* (C.B. Clarke) Farille in *Candollea* 40: 513 (1985). Type: Sikkim: *Trachydium*, Sikkim, Tungu 13–14,000ft, x [1849], *Hooker* s.n. (holo. K).

*Physospermopsis farillei* P.K. Mukh. & Constance in *Edinb. J. Bot.* 48: 41 (1991). Type: Nepal: Lamjung Himal, 4000–4150m, 26 ix 1981, *Farille* 81–604 (holo. E).

The name *Trachydium hirsutulum* C.B. Clarke (1879: 672) was recombined by Farille (Farille *et al.*, 1985: 513) into *Physospermopsis hirsutula* (C.B. Clarke) Farille. However, it has been seen to be problematic in the literature and requires some elucidation. Norman (1938: 231) correctly identified the type collection used by Clarke (*Trachydium*, Sikkim, Tungu 13–14,000ft, x [1849], *Hooker* s.n., K) as a mixed gathering of a *Physospermopsis* late in fruit and sterile *Potentilla coriandriifolia* D. Don. It is unfortunate that the specific epithet is attributable to the hairiness of the latter, and not in fact to the glabrous umbellifer that Clarke was naming. Norman also suggested that the plants of the '*Trachydium*' present on the sheet (one of which was removed for loan to H. Wolff on 20th July 1920) are only '... burnt-up and stunted specimens of *Trachydium* [= *Physospermopsis*] *obtusiuscula*'. When Farille recombined Clarke's name under *Physospermopsis*, he commented that Clarke's type was insufficient to display the characters now needed, but he failed to designate another type (e.g. epitype). Mukherjee & Constance (1991: 41) also make this observation, and state that 'the specimens cited by Farille under *P. hirsutula* that we have seen are uniformly glabrous and do, in our opinion, constitute a distinct species ...'. They go on to publish the name *P. farillei* for these glabrous plants. I agree with Norman's conclusions on the Clarke type, and thankfully the above misleading and unnecessary names can be placed into synonymy.

#### *Pimpinella* L.

***Pimpinella diversifolia* DC., Prodr. 4: 122 (1830).**

Syn.: *Heracleum diversifolium* Wall. p.p., Numer. List 574 (1829) *nomen nudum*. Type: Nepal: Calcutta Botanic Garden, introduced from Nepal, *Wallich* [Wall. Cat. no 574.2] (lecto. selected here G-DC *n.v.* [IDC fiche, sheet 606]; isolecto. K-W).

When describing this species De Candolle linked his name with Wallich's collections

saying 'In Sirmore Indiae orientalis *Heracleum? diversifolium* Wall mss'. Nasir (1972: 64) recorded *Wallich* 565 (K) as the type, however, this number refers to *Pimpinella trifoliata* in the Wallich Catalogue and was used by Clarke as the type for his *Pimpinella diversifolia* var. *alpina* (see below under *P. tongloensis*). The Wallich herbarium (K-W) has two collections under '*Heracleum? diversifolium*': 574.1 is a *Heracleum* from Nepal (see notes above under *Heracleum wallichii*), and 574.2 is indeed a *Pimpinella*, collected from the Calcutta Botanic Garden grown from seed introduced from Nepal. The De Candolle herbarium (G-DC) contains 2 sheets under his *Pimpinella diversifolia*; one labelled as from the Calcutta Botanic Garden (introduction) and Sirmore, the second has no provenance. The first specimen is most probably referable to Wall. Cat. 574.2, and is hereby chosen as the lectotype. Mukherjee & Constance (1983: 153) implicitly concur with this conclusion as they cited the type as Wallich 574B (without herbarium location).

***Pimpinella sikkimensis*** C.B. Clarke, Fl. Brit. India 2: 685 (1879).

Type: Darjeeling: Sikkim, Rungbee [Rimbi Chhu], 6000ft, 23 ix 1875, *C.B. Clarke* 24818c (lecto. selected here BM; isolecto. K).

***Pimpinella tongloensis*** P.K. Mukh. in Bull. Bot. Surv. India 12: 78 (1970).

Type: Sikkim [unlocalized], *Kurz s.n.* (holo. CAL, *n.v.*).

Syn.: *Pimpinella diversifolia* DC. var. *alpina* C.B. Clarke, Fl. Brit. India 2: 688 (1879).

Type: Nepal: *Pimpinella trifoliata* Wall., M. Altissimae Napaliae, 1821, *Wallich* [Wall. Cat. 565] (lecto. selected here K-W [Sheet B]; isolectos BM, E, K).

When Clarke described *Pimpinella diversifolia* DC. var. *alpina* he cited Wall. Cat. 565 as the type. However, there are four specimens of this number at Kew (where Clarke worked): two in the Wallich herbarium (K-W, then housed nearby in the Linnean Society), and two in the general collection. The sheets in the Wallich herbarium (unannotated by Clarke) are clearly gatherings of two different plants under the same number: sheet A, *via ad Goso-than, Julio 1821 fl.*, has dark green leaves, obovate, notched petals and papillose fruits; whereas sheet B has paler leaves, narrowly ovate, acute petals and glabrous fruits. The other two duplicates (K) are annotated by Clarke as *Pimpinella diversifolia* (not to variety), and likewise represent mixed gatherings. The glabrous fruited material best fits Clarke's original description and thus the above typification is made.

The once poorly known var. *alpina* is now better understood and considered to be a good species, attributable to *P. tongloensis* P.K. Mukh. It differs from *P. diversifolia* in having acute radiant petals (without incurved apex), nearly all leaves trifoliate, leaflets glabrous excepting the main veins, and glabrous attenuate fruits. The papillose fruited plant in the mixed gathering Wall. Cat. 565 has since been found to match with *P. urceolata* Watt ex M.L. Banerji emend. P.K. Mukh. (1970).

**Pimpinella wallichii** C.B. Clarke, Fl. Brit. India 2: 685 (1879)

Type: Nepal: Napalia, 1830, *Wallich s.n.* (lecto. selected here K, specimen bearing Clarke's annotations).

*Schulzia* C.P.J. Sprengel

**Schulzia dissecta** (C.B. Clarke) C. Norman in J. Bot. 76: 231 (1938).

Syn.: *Trachydium dissectum* C.B. Clarke, Fl. Brit. India 2: 672 (1879). Type: Sikkim: 3. Cortia, Tungu [Thanggu] 13–16,000ft, Regio Alp., x [1849], *J.D. Hooker* (lecto. selected here K).

*Selinum* L.

**Selinum candollei** DC., Prodr. 4: 165 (1830).

Syn.: *Angelica candollei* Wall., Numer. List 582 (1829) *nomen nudum*. *Cortia candollei* (DC.) Leute in Ann. Naturhist. Mus. Wien 73: 83 (1969). '*Oreocome candolleana* (DC.) Edgew.' not validly published (see below) in Trans. Linn. Soc. London 20: 55 (1851). Type: Nepal: *Angelica? candollei*, Montes Alt. Nepaliae, 1821, *Wallich* [Wall. Cat. 582.1] (lecto. selected here G-DC, *n.v.* [IDC fiche, sheet 624]; isolectos E, K-W, K).

Nasir (1972: 119) cites the K-W specimen as the type of *Seenum candollei*. This is not selected here as the lectotype as De Candolle would not have based his species name on it when writing his original description.

*Selinum* is a complex genus where there are generic level problems at the boundaries with *Ligusticum* and *Cortia*, and large ranges in morphological variation have clouded specific limits. Recent collections from Bhutan have helped to resolve the situation for two of the taxa (*S. candollei* and *S. wallichianum* (DC.) Raizada & Saxena), but there remains a nomenclatural problem of what are the correct names to apply. The first species (*S. candollei*) is a robust plant characterized by having stout (>6mm thick at base) essentially glabrous stems, fine ultimate leaf segments (<0.6mm wide), narrow linear-lanceolate bracteoles (<0.75mm broad) often forked or occasionally pinnatifid, and the dorsal ribs of the fruits distinctly winged, wings almost as wide as the laterals (the most reliable of the characters). The second species (*S. wallichianum*) is a more slender plant with densely puberulent stems (<6mm thick at base), usually more coarsely divided leaves with broader ultimate leaf segments (>0.7mm – in E Himalayan material), lanceolate (rarely divided) early falling bracts and bracteoles (usually >1mm broad), and dorsal ribs of the fruits prominent but not winged (occasionally abortive wings at base). In Bhutan the former species is typically found in moist clearings and river gorges, whereas the latter is usually found in more open, well-drained situations. The nomenclature of these two species has been compounded by the mixture of species in the Wallich type collections (including De Candolle's set and the Wallich top set), and a long history of misapplication of the early names.

The history of these names begins with De Candolle publishing *Selinum candollei* DC. (1830: 165), and *Peucedanum wallichianum* DC. (1830: 181). Five years later Lindley published *Pleurospermum cicutarium* Lindl. (in Royle 1835: 233) based on Royle collections from Choor and Simla. Edgeworth when describing unpublished plants from North Western India made comments on the above species which have since been misinterpreted in the literature. Firstly he said that his new species, *Oreocome filicifolia*, is very similar to *Selinum candollei* and *Pleurospermum cicutarium*; listing *Peucedanum wallichianum* DC. in parentheses after *S. candollei*. This has been read by some authors to mean that Edgeworth is proposing a *nomen novum* for De Candolle's name creating the illegitimate name *S. candollei* Edgew. non DC. which is both superfluous and a later homonym. Edgeworth would surely have been aware of De Candolle's earlier homonym, and in fact was not intending to introduce a new name but rather to point out that in his opinion the two De Candolle names are synonymous. A few lines down in the same article Edgeworth refers to '*O. Candolliano*' which later botanists have taken to be a new combination in *Oreocome* based on *Selinum candollei* DC. Given that Edgeworth refers to *Selinum candollei* previously with no mention of a transfer into *Oreocome* it is more than likely that the '*O. Candolliano*' reference is merely a typographic error for '*S. Candolliano*' and therefore should not be considered a new combination. Thus the names *Selinum candollei* Edgew. non DC. and *Oreocome candolleana* (DC.) Edgew. should be regarded as invalid as they were not accepted by the author in the original publication.

***Selinum dissectum* (DC.) C.B. Clarke, Fl. Brit. India 2: 701 (1879).**

Syn.: *Selinum dissectum* Wall., Numer. List 581 (1829) *nomen nudum*. *Peucedanum dissectum* DC., Prodr. 4: 178 (1830). Type: Nepal: Emodi Napalensis, Gossain Than, [27 x 1821], Wallich [Wall. Cat. 581] (lecto. selected here G-DC, excluding fruiting umbellule on label, *n. v.* [IDC fiche, sheet 629]; isolecto. K-W).

Clarke recombined Candolle's *Peucedanum dissectum* under *Selinum dissectum* (DC.) C.B. Clarke, but only included it as a doubtful species. Candolle's name is based on the Wallich collection '*Selinum dissectum*, Emodi Napalensis, Gossain Than' (Wall. Cat. 581). Clarke mentioned that the sheet in the Wallich herbarium (K-W) is made up of three elements:

- i) a good flowering specimen (bracts 4–8, bracteoles prominent)
- ii) a young flowering specimen, ebracteate
- iii) a detached umbel in fruit

Clarke says the De Candolle description appears to be from (ii) and (iii) excluding (i); (i) and (ii) are certainly different species, and (iii) possibly belongs to neither. From my own examination of the K-W sheet: (i) is probably *Selinum striatum*; (ii) has obsolete calyx teeth and is not a *Selinum* (possibly a *Ligusticum*); and (iii) is also not a *Selinum*. From the microfiche the specimen at G-DC appears to be element

(ii) with a fruiting ray and umbellule of element (iii). Mukherjee and Constance (1993: 183) state that the specimen at CAL is also a mixture, and suggest abandoning the specific epithet as a source of continuing confusion. Unfortunately the type material in the De Candolle herbarium is too immature for reliable identification, and the name remains *non satis cognita*.

***Selinum striatum*** (DC.) C.B. Clarke, Fl. Brit. India 2: 699 (1879).

Syn.: *Laserpitium striatum* Wall., Numer. List 583 (1829) *nomen nudum*. *Ligusticum striatum* DC., Prodr. 4: 158 (1830). '*Selinum striatum* (DC.) Benth., was not validly published in Benth. & Hook.f. Gen. Pl. 1: 914 (1867)'. *Cortia striata* (Wall. ex DC.) Leute in Ann. Naturhist. Mus. Wien 73: 85 (1969). Type: Nepal: *Laserpitium striatum*, Nepalia, Legi ad agros Oryzaceos convallis Nepaliae magnae, 1821, Wallich [Wall. Cat. 583] (lecto. selected here G-DC *n.v.* [IDC fiche, sheet 621]; isolectos BM, E, K-W, K).

In his species diagnosis of *Ligusticum striatum*, De Candolle (1830: 158) describes the mericarp furrows as multivittate [hence including it in *Ligusticum*], and the leaves as 2-pinnatisect with lobes entire, acute, rarely incised. Bentham (1867: 914) observed the material in the Wallich herbarium to have furrows with solitary vittae, and implied that the species should be referred to the genus *Selinum* (but without validly publishing a new combination). Clarke (1879: 699–700) said that Bentham put this inconsistency down to a mistake on the part of De Candolle, but as the description of the leaf dissection also did not tally with the specimens in Wallich herbarium, he concluded that De Candolle's specimen is something entirely different (and Wallich distributed two plants mixed under the same number).

On examination of the microfiche edition of the De Candolle herbarium it is apparent that the specimen in his herbarium matches well with those at BM, E, K-W, and K, and that De Candolle's description of the leaves in his *Prodromus* disagrees with his material. However, it is the type material that carries the name, and thus the above lectotypification is made, and Clarke's name is treated as a recombination of De Candolle's basionym (Clarke states that his species concept is 'non *Ligusticum striatum* DC.', but they use the same type collection).

The distribution of this species is poorly known; it apparently occurs in Nepal and Khasia, but as yet has not been reliably recorded from Bhutan. It is interesting to note that one of the specimens in K-W shows the dimorphic nature of the leaves: the basal leaves are much less finely divided than the stem leaves.

***Selinum wallichianum*** (DC.) Raizada & Saxena, in Indian Forester 92: 323 (1966).

Syn.: *Peucedanum wallichianum* DC., Prodr. 4: 181 (1830). *Cortia wallichiana* (DC.) Leute in Ann. Naturhist. Mus. Wien 73: 83 (1969). Type: India: *Selinum tenuifolium*, Emodus ad Gossain Than, Wallich [Wall. Cat 579] (lecto. selected here G-DC *n.v.* [good fruiting specimen on IDC fiche, sheet 630]). *Selinum tenuifolium* Wall., Numer. List 579 p.p.(1829) *nomen nudum*. *Selinum tenuifolium* C.B. Clarke, Fl. Brit. India

2: 700 (1879), illegitimate when published. *Pleurospermum cicutarium* Lindl., in *Royle*, Ill. bot. Himal. Mts.: 233 (1835). '*Selinum cicutarium* (Lindl.) Benth., not validly published in Benth. & Hook. f., Gen. Pl. 1: 914 (1867)'. Type: India, Choor and Simla, *Royle s.n.* (lecto. selected here LIV [sheet bearing original label]; isolecto. LIV).

The problem of which name to apply to this wide spread species is partly due to the heterogeneity of the Wallich collections numbered 579, on which De Candolle based his species, and also to a long history of misapplied names. The Wallich herbarium (K-W) has four specimens under this number which represent a mixture of *S. candollei* and *S. wallichianum*. De Candolle's herbarium (G-DC) has three specimens sent by Wallich and they also are a mixture of these two species. De Candolle's diagnosis for *Peucedanum wallichianum* covers all the specimens and hence includes the phrase 'involucris utriusque foliolis incisus', i.e. both bracts and bracteoles incised. This is characteristic of *Selinum candollei*, and indeed Cannon (1979: 189) included *Peucedanum wallichianum* DC. in the synonymy of *S. candollei* and upheld the illegitimate name *S. tenuifolium* C.B. Clarke for this species. To maintain the current widespread usage of the name *S. wallichianum*, and to avoid the nomenclatural problems of conserving Clarke's illegitimate name, I have selected the good fruiting specimen from 'Emodus as Gossain Than' in the De Candolle herbarium as the lectotype of *P. wallichianum*. Unfortunately, in this case it has not been possible to equate the phenology and label details with the specimens in the Wallich herbarium, and hence no isolectotypes have been designated.

The complex range of variation within this group still awaits critical morphological examination across the whole of the Himalayas from Pakistan to China, for although there are some distinctive taxa their taxonomy is still open to speculation.

#### *Sinocarum* H. Wolff Ex R.H. Shan & F.T. Pu

*Sinocarum* and its near relatives *Acronema* and *Tongoloa* have been much confused in the literature and herbaria (see notes under *Acronema*). The problems are particularly compounded in this genus as there is a plethora of Farille and Mukherjee & Farille unpublished names appearing on determination slips in British herbaria. Farille has obviously done much work on this generic complex, but to date this remains unpublished. I do not agree with many of his annotations, although some of the taxa that he recognizes are good and need publishing. The names that Farille coined are often rather long and convoluted, and not always legible. Furthermore, they do not always match the species delimitations that I wish to recognize, so to avoid confusion I am not taking up these names. Although during the preparation of this account I have been able to clarify some of the problems that existed in the group, further work across the whole Sino-Himalayan region is needed to get an accurate assessment of the specific limits in this complex genus. The following key is extracted from the unpublished *Flora of Bhutan* account.

*Key to Bhutanese species of Sinocarum*

- 1a. Plants small <6cm tall; rhizome cylindric with a thickened tap-root; petiole bases broadly sheathing \_\_\_\_\_ 2
- 1b. Plants usually >3cm tall, or the combination of rhizome and petioles sheaths not as above \_\_\_\_\_ 3
- 2a. Plants very small, <3cm high; rays <2cm long \_\_\_\_\_ **S. minus** M.F. Watson
- 2b. Plants usually >3cm high; rays >2cm long \_\_\_\_\_ **S. woodii** M.F. Watson
- 3a. Stems much-branched at base forming clumps; calyx teeth minute triangular \_\_\_\_\_ **S. longii** M.F. Watson
- 3b. Stems solitary or sparsely branched at base; calyx teeth obsolete \_\_\_\_\_ 4
- 4a. Stems stout, 2–7mm thick; fruiting heads bent horizontally \_\_\_\_\_ **S. clarkeanum** P.K. Mukh. & Constance
- 4b. Stems slender, usually <3mm thick; fruiting heads erect \_\_\_\_\_ 5
- 5a. Umbels 3–4-rayed; umbellules 3–5-flowered; bracteoles absent \_\_\_\_\_ **S. pauciradiatum** R.H. Shan & F.T. Pu
- 5b. Umbels >5-rayed; umbellules >6-flowered; bracteoles usually present (often falling early) \_\_\_\_\_ 6
- 6a. Leaf sheaths very broad, >8mm wide; umbellules usually <10-flowered; fruits sub-globose \_\_\_\_\_ **S. pulchellum** C. Norman ex M.F. Watson
- 6b. Leaf sheaths narrower, <8mm wide; umbellules usually >10-flowered; fruits ovoid to oblong \_\_\_\_\_ 7
- 7a. Rootstock an ovoid tuber with fibrous roots; leaves with segments >0.5mm broad and sheaths tapering at the apex; fruits ovoid \_\_\_\_\_ **S. sikkimense** (P.K. Mukh.) P.K. Mukh. & Constance
- 7b. Rootstock a short rhizome, usually with a main thickened root; leaf segments <0.5mm broad and sheaths usually rather auriculate at apex; fruit oblong-ovoid \_\_\_\_\_ **S. wolffianum** (Fedde) P.K. Mukh. & Constance

**Sinocarum coloratum** (Diels) H. Wolff ex R.H. Shan & F.T. Pu., Fl. Reipub. Pop. Sinicae, 55(2): 33 (1985).

Syn.: *Carum coloratum* Diels in Notes RBG Edinb. 5: 287 (1912). Type: China: NW Yunnan, cliffs on eastern flank of the Lichiang Range, 11–12,000ft, Lat. 27°25'N, ix 1906, G. Forrest 3060 (lecto. selected here E; isolecto. BM).

**Sinocarum wolffianum** (Fedde) P.K. Mukh. & Constance, Edinb. J. Bot. 48: 42 (1991).

Syn.: *Acronema wolffianum* Fedde in Repert. Spec. Nov. Regni Veg. Beih. 27: 328 (1930). Type: Sikkim: Jongri [Dzongri], 12,000ft, 15 x 1875, C.B. Clarke 25,796 (lecto. selected here K). *Pimpinella feddeana* M. Hiroe, Umbelliferae of World: 832 (1979). *Novem novum*, based on same type as *A. wolffianum*.



*Tordyliopsis* DC.

**Tordyliopsis brunonis** DC., Prodr. 4: 199 (1830).

Syn.: *Tordylium brunonis* Wall., Numer. List 590 (1829) *nomen nudum*. *Heracleum brunonis* (DC.) C.B. Clarke, Fl. Brit. India 2: 713 (1879). Type: India-Nepal: Kumaon Nepaliae versus Emodum, *Robert Blinkworth* [Wall. Cat. 590] (lecto. selected here G-DC *n.v.* [IDC fiche, sheet 637]; isolectos BM, CAL *n.v.*, E, K, K-W).

*Vicatia* DC.

**Vicatia coniifolia** DC., Prodr. 4: 243 (1830).

Syn.: *Sison coniifolium* Wall., Numer. List 591 (1828) *nomen nudum*. *Sphallerocarpus coniifolius* (DC.) Koso-Pol. in Byull. Moskovsk. Obshch. Isp. Prir., Otd. Biol. 29: 202 (1916). Type: India: *Sison? coniifolium* Wall., Kamoon [Kumaon], *Wallich* [Wall. Cat. 591.2], (lecto. selected here G-DC *n.v.* [IDC fiche, sheet 653]; isolecto. K-W).

Although this species has often been recorded from Bhutan, most of the specimens have proved to be misidentified *Meeboldia digitata*. The genera are distinguished (in Bhutan) by *Vicatia* having white flowers and obsolete calyx teeth compared to the yellow flowers and lanceolate calyx teeth of *Meeboldia*. Furthermore, *V. coniifolia* has distinctive short male flowers in the centre of each umbellule and on very short pedicels in the centre of the umbel. These become very obvious as the other pedicels elongate in fruit.

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## APPENDIX OF VOUCHER SPECIMENS

The following is a complete listing of the specimens collected within the geographic boundaries of the *Flora of Bhutan* (Bhutan, Chumbi Valley (Tibet), Sikkim and Darjeeling district of India) that were consulted for the preparation of the *Umbelliferae* account. Duplicates of many of these are housed in other herbaria, and it is hoped that this list will be useful in updating determinations of these, and for the interpretation of the *Flora of Bhutan* account against past literature (specimens are not listed in the *Flora of Bhutan* account). Herbaria included in square brackets indicate specimens only seen from photographs or listed in a secondary source.

### AGSES (Alpine Garden Society Expedition to Sikkim, 1983)

34	21	vi	1983	E,K	<i>Bupleurum dalhousieanum</i> (C.B. Clarke) Koso-Pol.
195	28	vi	1983	K	<i>Heracleum woodii</i> M.F. Watson
580	18	ix	1983	K	<i>Pleurospermopsis sikkimensis</i> (C.B. Clarke) C. Norman
655	22	ix	1983	K	<i>Pleurospermum album</i> H. Wolff
683	24	ix	1983	K	<i>Cortiella cortioides</i> (C. Norman) M.F. Watson

### Anderson, T.

605/bis		vii	1862	P	<i>Hydrocotyle himalaica</i> P.K. Mukh.
620	8	x	1862	BM,[CAL]	<i>Pleurospermopsis sikkimensis</i> (C.B. Clarke) C. Norman
630	27	viii	1862	K	<i>Oenanthe thomsonii</i> C.B. Clarke

### Bambrough

45a		vi	1985	E	<i>Hydrocotyle nepalensis</i> Hook. f.
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### Bartholomew, B.

114	17	x	1974	[UC] ( <i>n.v.</i> )	<i>Tongoloa loloensis</i> (Franch.) H. Wolff
195	24	x	1974	BM	<i>Sinocarum wolffianum</i> (Fedde) P.K. Mukh. & Constance

**Beddome, R.H.**

3330				BM	<i>Hydrocotyle himalaica</i> P.K. Mukh.
3371				BM	<i>Oenanthe thomsonii</i> C.B. Clarke
3401				BM	<i>Torilis japonica</i> (Houtt.) DC.

**Bedi, R.**

298	25	vi	1971	E,K	<i>Heracleum sphondylium</i> L. agg.
469	27	vii	1971	K	<i>Centella asiatica</i> (L.) Urb.
534	1	viii	1971	K	<i>Selinum wallichianum</i> (DC.) Raizada & Saxena
561	2	viii	1971	K	<i>Bupleurum candollei</i> Wall. ex DC.
599	3	viii	1971	K	<i>Pimpinella tibetica</i> H. Wolff
635	3	viii	1971	K	<i>Heracleum sublineare</i> C.B. Clarke
646	8	viii	1971	K	cf. <i>Acronema</i>
731	20	viii	1971	K	<i>Selinum wallichianum</i> (DC.) Raizada & Saxena
819	22	viii	1971	K	<i>Pleurospermum dentatum</i> (DC.) C.B. Clarke
934	23	viii	1971	K	<i>Pleurospermum pilosum</i> H. Wolff
946	26	viii	1971	K	<i>Pleurospermum dentatum</i> (DC.) C.B. Clarke
998	22	viii	1971	K	<i>Cortia depressa</i> (D. Don) C. Norman
1101	28	x	1971	K	<i>Selinum wallichianum</i> (DC.) Raizada & Saxena
1180	25	ix	1971	K	<i>Sinocarum wolffianum</i> (Fedde) P.K. Mukh. & Constance
1235	24	ix	1971	K	<i>Pleurospermum amabile</i> Craib & W.W. Sm.
1238	23	ix	1971	K	<i>Acronema</i> cf. <i>bellum</i> (C.B. Clarke) P.K. Mukh.
1279	23	vii	1971	E,K	<i>Bupleurum candollei</i> Wall. ex DC.

**Bell, C.H.**

s.n.		v	1905	K	<i>Heracleum</i> cf. <i>candicans</i> Wall. ex DC.
s.n.		x	1904	K	<i>Cortia depressa</i> (D. Don) C. Norman

**Biggar**

2887	14	vi	1987	E	<i>Heracleum obtusifolium</i> Wall. ex DC.
2899	3	vii	1987	E	<i>Hydrocotyle himalaica</i> P.K. Mukh.
2926	19	vii	1987	E	<i>Sanicula elata</i> D. Don
2943	21	vii	1987	E	<i>Bupleurum candollei</i> Wall. ex DC.
2959	9	viii	1987	E	<i>Pimpinella diversifolia</i> var. <i>stolonifera</i> Hand.-Mazz.
3003	13	ix	1987	E	<i>Hydrocotyle nepalensis</i> Hook.f.
3024	3	x	1987	E	<i>Sinocarum wolffianum</i> (Fedde) P.K. Mukh. & Constance

**Biswas, K.P.**

s.n.	15	xii	1937	MO	<i>Hydrocotyle himalaica</i> P.K. Mukh.
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**Bor, N.L. & Ram, K.**

20737	25	vi	1945	K	<i>Hydrocotyle himalaica</i> P.K. Mukh.
20742	25	vi	1945	K	<i>Oenanthe thomsonii</i> C.B. Clarke

**Bourne, A.G.**

5028 xi 1907 K

Hydrocotyle himalaica P.K. Mukh.

**Bowes-Lyon, S.A.**

3217 23 v 1966 BM

Bupleurum marginatum Wall. ex DC.

3258 29 v 1966 BM

Pleurospermum hookeri C.B. Clarke

3422 9 vi 1966 BM

cf. Sinocarum

3477 19 vi 1966 BM

Bupleurum dalhousieanum (C.B. Clarke)  
Koso-Pol.

5030 11 ix 1967 BM

Selinum wallichianum (DC.) Raizada &  
Saxena

5085 18 ix 1967 BM

Pleurospermum album H. Wolff

5107 19 ix 1967 BM

Pleurospermum hookeri C.B. Clarke

5129 21 ix 1967 BM

Pleurospermum amabile Craib &  
W.W. Sm.

5211 27 ix 1967 BM

Pleurospermum pilosum H. Wolff

5771 7 x 1967 BM

Pimpinella urceolata Banerji

6102 31 v 1971 BM

Sanicula elata D. Don

9070 5 vi 1985 E

Sanicula elata D. Don

15059 18 vi 1969 BM

Sanicula elata D. Don

15122 30 vi 1969 BM

Sanicula elata D. Don

15142 30 vi 1969 BM

Oenanthe thomsonii C.B. Clarke

**Broad, I.**

244 1985 E

Pimpinella urceolata Banerji

**Burkill, I.H.**

25235 19 x 1904 E

Pimpinella diversifolia var. stolonifera  
Hand.-Mazz.

27704 1 x 1906 E

Ligusticum elatum (Edgew.) C.B. Clarke

**Cave, G.H.**

s.n. 30 x 1916 E

Cortiella cortioides (C. Norman)  
M.F. Watson

s.n. 12 ii 1913 E

Angelica cyclocarpa (C. Norman) Cannon

s.n. 27 iii 1912 BM

Oenanthe thomsonii C.B. Clarke

s.n. 16 iv 1912 E

Oenanthe javanica (Blume) DC.

s.n. 11 v 1912 E

Sanicula elata D. Don

s.n. 25 v 1912 E

Hydrocotyle sibthorpioides Lam.

s.n. 15 vi 1912 E

Bupleurum dalhousieanum (C.B. Clarke)  
Koso-Pol.

s.n. 27 vii 1912 BM

Hydrocotyle himalaica P.K. Mukh.

s.n. 27 vii 1912 BM

Sanicula elata D. Don

s.n. 12 viii 1912 BM

Pimpinella tongloensis P.K. Mukh.

s.n. 19 v 1913 E

Sanicula elata D. Don

s.n. 8 vi 1913 E

Centella asiatica (L.) Urb.

s.n. 8 vi 1913 E

Trachyspermum ammi (L.) Sprague

s.n. 23 vi 1913 E

Oenanthe thomsonii C.B. Clarke

40 1 xii 1915 E

Hydrocotyle himalaica P.K. Mukh.

667 1916 BM

Ligusticum elatum (Edgew.) C.B. Clarke

s.n. 20 ix 1916 E

Pleurospermum apiolens C.B. Clarke

s.n. 24 x 1916 BM,E

Bupleurum candollei Wall. ex DC.

41/47 28 viii 1947 K

Cortiella hookeri (C.B. Clarke) C. Norman

66/47	30	viii	1947	E	<i>Cortia depressa</i> (D. Don) C. Norman
136/47	11	ix	1947	E	<i>Cortiella hookeri</i> (C.B. Clarke) C. Norman

**Clarke, C.B.**

8556	10	viii	1869	K	<i>Hydrocotyle nepalensis</i> Hook.f.
8765	21	viii	1869	K	<i>Oenanthe thomsonii</i> C.B. Clarke
8891	28	viii	1869	E(c)	<i>Sanicula elata</i> D. Don
9184	22	ix	1869	K(b)	<i>Sanicula elata</i> D. Don
9202	22	ix	1869	K	<i>Hydrocotyle nepalensis</i> Hook.f.
9542	11	x	1869	K	<i>Oenanthe thomsonii</i> C.B. Clarke
9645	21	x	1869	[CAL(c)],K(a)	<i>Pimpinella sikkimensis</i> C.B. Clarke
9645	21	x	1869	[CAL(e)]	<i>Pimpinella wallichii</i> C.B. Clarke
9727	21	x	1969	BM	<i>Sanicula elata</i> D. Don
9783	17	x	1869	K	<i>Angelica nubigena</i> (C.B. Clarke) P.K. Mukh.
9798	18	x	1869	K	<i>Pleurospermopsis sikkimensis</i> (C.B. Clarke) C. Norman
9892	18	x	1869	K	<i>Pleurospermum apiolens</i> C.B. Clarke
9907	18	x	1869	K	<i>Cortia depressa</i> (D. Don) C. Norman
9911	18	x	1869	K	<i>Cortiella cortioides</i> (C. Norman) M.F. Watson
10186	18	x	1869	K	<i>Sinocarum cf. pulchellum</i> C. Norman ex M.F. Watson
10196	18	x	1869	K	<i>Selinum cf. candollei</i> DC.
12409	22	viii	1870	K	<i>Pimpinella sikkimensis</i> C.B. Clarke
12545	7	x	1870	K	<i>Sinocarum clarkeanum</i> P.K. Mukh. & Constance
12554	7	x	1870	K	<i>Acronema tenerum</i> (DC.) Edgew.
12575	2	x	1870	E(b)	<i>Pimpinella urceolata</i> Banerji
12584	7	x	1870	BM(e),[CAL(a)],K(f)	<i>Acronema bellum</i> (C.B. Clarke) P.K. Mukh.
12617	3	x	1870	E(a)	<i>Pimpinella urceolata</i> Banerji
12699	5	x	1870	K	<i>Heracleum sublineare</i> C.B. Clarke
12774	9	x	1870	E	<i>Pimpinella diversifolia</i> cf. var. <i>stolonifera</i> Hand.-Mazz.
12914	10	x	1870	K(a)	<i>Selinum wallichianum</i> (DC.) Raizada & Saxena
13031	12	x	1870	E	<i>Pimpinella urceolata</i> Banerji
13036	12	x	1870	BM(g),[CAL(c)],K(h)	<i>Torilis japonica</i> (Houtt.) DC.
13039	12	x	1870	BM(b),K(a)	<i>Pimpinella wallichii</i> C.B. Clarke
13065	12	x	1870	BM(j),[CAL(h)],K(e,h)	<i>Angelica sikkimensis</i> (C.B. Clarke) P.K. Mukh.
13074	12	x	1870	BM(a)	<i>Angelica sikkimensis</i> (C.B. Clarke) P.K. Mukh.
13118	13	x	1870	K	<i>Hydrocotyle nepalensis</i> Hook.f.
13142	13	x	1870	K(a)	<i>Pimpinella sikkimensis</i> C.B. Clarke
13142	13	x	1870	[CAL(c,d)],K(e)	<i>Pimpinella wallichii</i> C.B. Clarke
13144	13	x	1870	BM	<i>Pimpinella urceolata</i> Banerji
13208	15	x	1870	E	<i>Hydrocotyle nepalensis</i> Hook.f.
13368	7	x	1870	K	<i>Heracleum wallichii</i> DC.

13379	7	x	1870	K(a)	Pleurospermum dentatum (DC.) C.B. Clarke
13380	7	x	1870	K	Selinum wallichianum (DC.) Raizada & Saxena
13396	6	x	1870	BM	Selinum candollei DC.
13422	6	x	1870	BM(h),[CAL(d,e,s)]. E(f)	Bupleurum candollei Wall. ex DC.
13455	8	x	1870	K	Sinocarum clarkeanum P.K. Mukh. & Constance
13470	5	x	1870	E	Heracleum wallichii DC.
13474	5	x	1870	K(a)	Heracleum wallichii DC.
13526	7	x	1870	K	cf. Sinocarum
20057			1870	BM	Heracleum nepalense D. Don
24818	23	ix	1875	BM(c),[CAL(d)],K(a,e)	Pimpinella sikkimensis C.B. Clarke
24987	5	x	1875	BM(c),K(d)	Angelica sikkimensis (C.B. Clarke) P.K. Mukh.
24997	5	x	1875	K(a,b)	Angelica sikkimensis (C.B. Clarke) P.K. Mukh.
25191	10	x	1875	K(b)	Oenanthe thomsonii C.B. Clarke
25512	22	x	1875	K(b,c)	Pimpinella wallichii C.B. Clarke
25530	22	x	1875	K(a,b)	Angelica sikkimensis (C.B. Clarke) P.K. Mukh.
25587b	24	x	1875	BM	Selinum wallichianum (DC.) Raizada & Saxena
25615	24	x	1875	K	Pleurospermum hookeri C.B. Clarke
25621	24	x	1875	K	Selinum papyraceum C.B. Clarke
25643	25	x	1875	K	Selinum cf. papyraceum C.B. Clarke
25645	25	x	1875	K	Selinum wallichianum (DC.) Raizada & Saxena
25698	26	x	1875	BM(g),K(a,b,d)	Bupleurum candollei Wall. ex DC.
25719	27	x	1875	K	Acronema bellum (C.B. Clarke) P.K. Mukh.
25796	15	x	1875	K	Sinocarum wolffianum (Fedde) P.K. Mukh. & Constance
25805	15	x	1875	K	Bupleurum dalhousieanum (C.B. Clarke) Koso-Pol.
25837	15	x	1875	K	Heracleum woodii M.F. Watson
25857	15	x	1875	E	Pimpinella diversifolia cf. var. stolonifera Hand.-Mazz.
25922	15	x	1875	K	Pleurospermum dentatum (DC.) C.B. Clarke
25944	15	x	1875	K	Bupleurum dalhousieanum (C.B. Clarke) Koso-Pol.
25955	15	x	1875	K(a,b)	Selinum wallichianum (DC.) Raizada & Saxena
25967	15	x	1875	K	Heracleum woodii M.F. Watson
26014	15	x	1875	BM(a)	Selinum wallichianum (DC.) Raizada & Saxena
26082	15	x	1875	K	Heracleum woodii M.F. Watson
26087	15	x	1875	K	Tongoloa sp. aff. loloensis (Franch.) H. Wolff

26100	15	x	1875	K	<i>Bupleurum dalhousieanum</i> (C.B. Clarke) Koso-Pol.
26115	15	x	1875	K	<i>Physospermopsis obtusiuscula</i> (DC.) C. Norman
26120	15	x	1875	K	<i>Heracleum woodii</i> M.F. Watson
26128	15	x	1875	K	cf. <i>Sinocarum wolffianum</i> (Fedde) P.K. Mukh. & Constance
26141	15	x	1875	K	<i>Physospermopsis obtusiuscula</i> (DC.) C. Norman
26164	15	x	1875	K(b,c)	<i>Pleurospermopsis sikkimensis</i> (C.B. Clarke) C. Norman
26179	15	x	1875	BM(a)	<i>Pleurospermopsis sikkimensis</i> (C.B. Clarke) C. Norman
26207	15	x	1875	[CAL(e)],K	<i>Pleurospermopsis sikkimensis</i> (C.B. Clarke) C. Norman
26217	15	x	1875	BM(d),K(a,c)	<i>Pleurospermum apiolens</i> C.B. Clarke
26240	15	x	1875	K	<i>Sinocarum wolffianum</i> (Fedde) P.K. Mukh. & Constance
26469	31	v	1875	K	<i>Oenanthe javanica</i> (Blume) DC.
26471	26	xi	1875	K(a)	<i>Oenanthe thomsonii</i> C.B. Clarke
26544	1	vi	1875	BM(c)	<i>Hydrocotyle sibthorpioides</i> Lam.
26574	2	vi	1875	K(a,b)	<i>Hydrocotyle himalaica</i> P.K. Mukh.
26630	4	vi	1875	K(a)	<i>Oenanthe thomsonii</i> C.B. Clarke
26673	3	vi	1875	BM(b)	<i>Oenanthe thomsonii</i> C.B. Clarke
27002	15	viii	1875	K(a,b)	<i>Heracleum nepalense</i> D. Don
27051	19	viii	1875	K	<i>Sanicula elata</i> D. Don
27052	19	viii	1875	E(b),K(e)	<i>Pimpinella diversifolia</i> cf. var. <i>stolonifera</i> Hand.-Mazz.
27054	19	viii	1875	BM(c),K(a,b)	<i>Hydrocotyle himalaica</i> P.K. Mukh.
27183	22	viii	1875	E(a),K(b)	<i>Hydrocotyle nepalensis</i> Hook.f.
27480	12	ix	1875	BM(a)	<i>Pimpinella diversifolia</i> var. <i>stolonifera</i> Hand.-Mazz.
27509	12	ix	1875	K(a,b,c)	<i>Pimpinella tongloensis</i> P.K. Mukh.
27528	12	ix	1875	K(c)	<i>Selinum papyraceum</i> C.B. Clarke
27595	12	ix	1875	K(a,b,c)	<i>Heracleum wallichii</i> DC.
27832	10	v	1876	K	<i>Bupleurum dalhousieanum</i> (C.B. Clarke) Koso-Pol.
31676	13	x	1876	K	<i>Heracleum sublineare</i> C.B. Clarke
31688	16	x	1876	BM(a),K(c)	<i>Oenanthe thomsonii</i> C.B. Clarke
35825	24	ix	1884	BM(b)	<i>Hydrocotyle himalaica</i> P.K. Mukh.
36028	29	ix	1884	US(c)	<i>Oenanthe thomsonii</i> C.B. Clarke

**Cooper, R.E.**

10	26	vi	1913	BM,E	<i>Bupleurum dalhousieanum</i> (C.B. Clarke) Koso-Pol.
211	9	vii	1913	E	<i>Bupleurum candollei</i> Wall. ex DC.
214	9	vii	1913	E	<i>Pimpinella tibetica</i> H. Wolff
245	9	vii	1913	E	<i>Sanicula elata</i> D. Don
265	9	vii	1913	E	<i>Chaerophyllum villosum</i> D. Don
267	9	vii	1913	E	<i>Heracleum nepalense</i> D. Don

271	15	vii	1913	E	<i>Pleurospermum benthamii</i> (DC.) C.B. Clarke
299	19	vii	1913	E	<i>Physospermopsis kingdon-wardii</i> (H. Wolff) C. Norman
302	19	vii	1913	BM,E	<i>Cortia depressa</i> (D. Don) C. Norman
353	30	vii	1913	BM,E	<i>Pleurospermum hookeri</i> C.B. Clarke
354	30	vii	1913	E	<i>Sinocarum sikkimense</i> (P.K. Mukh.) P.K. Mukh. & Constance
355	30	vii	1913	E	<i>Pimpinella tibetica</i> H. Wolff
454	25	vii	1913	E	<i>Acronema nervosum</i> H. Wolff
571	20	viii	1913	E	<i>Angelica cyclocarpa</i> (C. Norman) Cannon
587	23	viii	1913	E	<i>Chamaesium novem-jugum</i> (C.B. Clarke) C. Norman
639	24	viii	1913	E	<i>Pimpinella tibetica</i> H. Wolff
644	24	viii	1913	BM,E	<i>Physospermopsis obtusiuscula</i> (DC.) C. Norman
663	26	viii	1913	E	<i>Torilis japonica</i> (Houtt.) DC.
685	25	viii	1913	E	<i>Sanicula elata</i> D. Don
688	27	viii	1913	E	<i>Heracleum nepalense</i> D. Don
690	27	viii	1913	E	<i>Bupleurum candollei</i> Wall. ex DC.
754	30	viii	1913	BM,E	<i>Bupleurum dalhousieanum</i> (C.B. Clarke) Koso-Pol.
758	31	viii	1913	K	<i>Sinocarum wolffianum</i> (Fedde) P.K. Mukh. & Constance
772	1	ix	1913	E	<i>Lalldhwojia staintonii</i> Farille
785	3	ix	1913	E	<i>Sinocarum wolffianum</i> (Fedde) P.K. Mukh. & Constance
814	6	ix	1913	E	<i>Heracleum sublineare</i> C.B. Clarke
920	20	ix	1913	E	<i>Pleurospermum benthamii</i> (DC.) C.B. Clarke
935	24	ix	1913	E	<i>Cortiella cortioides</i> (C. Norman) M.F. Watson
945	24	ix	1913	E	<i>Sinocarum sikkimense</i> (P.K. Mukh.) P.K. Mukh. & Constance
960	27	ix	1913	BM,E	<i>Sinocarum clarkeanum</i> P.K. Mukh. & Constance
1086	3	vii	1914	E	<i>Heracleum bhutanicum</i> M.F. Watson
1087	3	vii	1914	BM,E	<i>Sanicula elata</i> D. Don
1171	4	vii	1914	BM,E	<i>Torilis japonica</i> (Houtt.) DC.
1331	6	vii	1914	BM,E	<i>Pimpinella diversifolia</i> var. <i>stolonifera</i> Hand.-Mazz.
1350	6	vii	1914	BM,E	<i>Heracleum nepalense</i> D. Don
1405	9	vii	1914	BM,E	<i>Osmorhiza aristata</i> (Thunb.) Rydb.
1426	9	vii	1914	E	<i>Meeboldia digitata</i> (Kljuykov) M.F. Watson
1430	9	vii	1914	BM	<i>Bupleurum falcatum</i> L.
1433	8	vii	1914	BM,E	<i>Angelica sikkimensis</i> (C.B. Clarke) P.K. Mukh.
1508	12	vii	1914	BM,E	<i>Oenanthe hookeri</i> C.B. Clarke



1670	21	vii	1914	E	<i>Physospermopsis kingdon-wardii</i> (H. Wolff) C. Norman
1701	23	vii	1914	E	<i>Cortiella cortioides</i> (C. Norman) M.F. Watson
1716	23	vii	1914	E	<i>Pleurospermum amabile</i> Craib & W.W. Sm.
1753	23	vii	1914	BM,E	<i>Bupleurum candollei</i> Wall. ex DC.
1763	23	vii	1914	BM,E	<i>Bupleurum gracillimum</i> Klotzsch
1787	23	vii	1914	BM,E	<i>Carum carvi</i> L.
1888	26	vii	1914	E	<i>Pimpinella tibetanica</i> H. Wolff
1914	26	vii	1914	BM,E	<i>Pleurospermum hookeri</i> C.B. Clarke
1943	27	vii	1914	BM,E	<i>Heracleum obtusifolium</i> Wall. ex DC.
1945	27	vii	1914	BM,E	<i>Heracleum sublineare</i> C.B. Clarke
1958	27	vii	1914	BM,E	<i>Tordyliopsis brunonis</i> DC.
1992	27	vii	1914	E	<i>Cortia depressa</i> (D. Don) C. Norman
1998	27	vii	1914	BM,E	<i>Pleurospermum angelicoides</i> (DC.) C.B. Clarke
2118	24	ix	1914	E	<i>Sinocarum wolffianum</i> (Fedde) P.K. Mukh. & Constance
2214	23	ix	1914	BM,E	<i>Pleurospermum apiolens</i> C.B. Clarke
2255	23	ix	1914	BM,E	<i>Pleurospermum amabile</i> Craib & W.W. Sm.
2342	10	x	1914	E	<i>Trachyspermum anethifolium</i> (D. Don) H. Wolff
2492	4	viii	1914	E	<i>Pleurospermum benthamii</i> (DC.) C.B. Clarke
2509	31	vii	1914	BM,E	<i>Angelica sikkimensis</i> (C.B. Clarke) P.K. Mukh.
2539	12	viii	1914	E	<i>Pimpinella tibetanica</i> H. Wolff
2549	13	viii	1914	BM,E	<i>Bupleurum candollei</i> Wall. ex DC.
2636	11	viii	1914	E	<i>Trachyspermum anethifolium</i> (D. Don) H. Wolff
2640	11	viii	1914	E	<i>Torilis japonica</i> (Houtt.) DC.
2905	26	viii	1914	BM,E	<i>Heracleum nepalense</i> D. Don
2914	6	viii	1914	BM,E	<i>Pimpinella diversifolia</i> var. <i>stolonifera</i> Hand.-Mazz.
2932	15	ix	1914	BM,E	<i>Heracleum nepalense</i> D. Don
2968	16	ix	1914	BM,E	<i>Bupleurum candollei</i> Wall. ex DC.
2977	26	ix	1914	E	<i>Pimpinella tibetanica</i> H. Wolff
2978	26	ix	1914	BM,E	<i>Pleurospermum angelicoides</i> (DC.) C.B. Clarke
3007	11	x	1914	BM,E	<i>Selinum wallichianum</i> (DC.) Raizada & Saxena
3095	13	vii	1914	BM,E	<i>Heracleum nepalense</i> D. Don
3240	5	viii	1914	BM,E	<i>Cortia depressa</i> (D. Don) C. Norman
3420	15	viii	1914	BM,E	<i>Pimpinella diversifolia</i> var. <i>stolonifera</i> Hand.-Mazz.
3531	4	xi	1914	E	<i>Cortia depressa</i> (D. Don) C. Norman & Constance
3590	15	xi	1914	E	<i>Angelica sikkimensis</i> (C.B. Clarke) P.K. Mukh.

4034	22	vi	1915	BM,E	<i>Bupleurum dalhousieanum</i> (C.B. Clarke) Koso-Pol.
4188	24	vii	1915	BM,E	<i>Bupleurum marginatum</i> Wall. ex DC.
4254	1	viii	1915	BM,E	<i>Physospermopsis kingdon-wardii</i> (H. Wolff) C. Norman
4268	1	viii	1915	BM,E	<i>Cortiella hookeri</i> (C.B. Clarke) C. Norman
4334	3	viii	1915	BM,E	<i>Acronema hookeri</i> (C.B. Clarke) H. Wolff var. <i>hookeri</i>
4335	3	viii	1915	BM,E	<i>Pternopetalum radiatum</i> (W.W. Sm.) P.K. Mukh.
4391	10	viii	1915	BM,E	<i>Pimpinella diversifolia</i> DC. var. <i>diversifolia</i>
4533	22	viii	1915	BM,E	<i>Keraymonia pinnatifolia</i> M.F. Watson
4696	28	viii	1915	BM,E	<i>Hydrocotyle nepalensis</i> Hook.f.
4909	2	x	1915	BM,E	<i>Pimpinella tibetanica</i> H. Wolff
<b>Cowan, J.M.</b>					
s.n.	6	viii	1923	E,K	<i>Oenanthe thomsonii</i> C.B. Clarke
s.n.	6	viii	1923	E,K	<i>Pimpinella tongloensis</i> P.K. Mukh.
s.n.	6	viii	1923	E,K	<i>Sanicula elata</i> D. Don
s.n.	7	viii	1923	E,K	<i>Heracleum nepalense</i> D. Don
<b>Cutting, C.S. &amp; Vernay, A.S.</b>					
10	3	viii	1935	K	<i>Sinocarum sikkimense</i> (P.K. Mukh.) P.K. Mukh. & Constance
26	7	viii	1935	K	<i>Cortiella hookeri</i> (C.B. Clarke) C. Norman
<b>Drummond, J.R.</b>					
21019			1904	E,K	<i>Oenanthe thomsonii</i> C.B. Clarke
21020			1904	K	<i>Heracleum</i> sp.
<b>Dungboo</b>					
s.n.	1	vii	1878	K	<i>Bupleurum candollei</i> Wall. ex DC.
s.n.	1	vii	1878	K,US	<i>Heracleum nepalense</i> D. Don
s.n.	8	vii	1878	K	<i>Pleurospermum album</i> H. Wolff
s.n.	13	vii	1878	K	<i>Torilis japonica</i> (Houtt.) DC.
s.n.	15	vii	1878	K	<i>Heracleum sphondylium</i> L. agg.
s.n.	15	vii	1878	K	<i>Pimpinella tibetanica</i> H. Wolff
s.n.	17	vii	1878	K	<i>Acronema hookeri</i> var. <i>graminifolium</i> (W.W. Sm.) H. Wolff
s.n.	18	vii	1878	K	<i>Selinum wallichianum</i> (DC.) Raizada & Saxena
s.n.		viii.	1878	BM,E	<i>Semenovia millefolia</i> (Diels) V.M. Vinogr. & Kamelin
s.n.		viii.	1878	E	<i>Chamaescidium subnudum</i> (H. Wolff) C. Norman
s.n.	16	viii	1878	K	<i>Semenovia millefolia</i> (Diels) V.M. Vinogr. & Kamelin
s.n.	23	viii	1878	K	<i>Acronema hookeri</i> var. <i>graminifolium</i> (W.W. Sm.) H. Wolff
s.n.		vii	1879	K	<i>Cortiella hookeri</i> (C.B. Clarke) C. Norman
s.n.		vii	1879	BM,K	<i>Chamaescidium subnudum</i> (H. Wolff) C. Norman
s.n.		vii	1879	K	<i>Pleurospermum album</i> H. Wolff

s.n.	vii	1879	K	<i>Tordyliopsis brunonis</i> DC.
247	26	vii	1884	<i>Acronema hookeri</i> var. <i>graminifolium</i> (W.W. Sm.) H. Wolff
4269	22	vii	1877	<i>Heracleum sublineare</i> C.B. Clarke
4288	22	vii	1877	<i>Pimpinella tibetana</i> H. Wolff
4671	30	vii	1877	<i>Acronema hookeri</i> (C.B. Clarke) H. Wolff var. <i>hookeri</i>
4672	30	vii	1877	<i>Sinocarum pauciradiatum</i> R.H. Shan & F.T. Pu

**Elwes**

s.n.	iii	1877	K	<i>Pleurospermum apiolens</i> C.B. Clarke
s.n.	iv	1877	K	<i>Heracleum sublineare</i> C.B. Clarke

**Ern, E.**

7370	28	x	1984	E	<i>Selinum wallichianum</i> (DC.) Raizada & Saxena
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**ESIK (Edinburgh Expedition to Sikkim, 1992)**

5	3	vii	1992	E	<i>Hydrocotyle himalaica</i> P.K. Mukh.
23	4	vii	1992	E	<i>Oenanthe thomsonii</i> C.B. Clarke
40	5	vii	1992	E	<i>Sanicula elata</i> D. Don
54	5	vii	1992	E	<i>Sanicula elata</i> D. Don
70	5	vii	1992	E	<i>Oenanthe thomsonii</i> C.B. Clarke
90	6	vii	1992	E	<i>Hydrocotyle nepalensis</i> Hook.f.
115	7	vii	1992	E	<i>Hydrocotyle himalaica</i> P.K. Mukh.
139	8	vii	1992	E	<i>Sanicula elata</i> D. Don
168	9	vii	1992	E	<i>Sanicula elata</i> D. Don
169	9	vii	1992	E	<i>Pternopetalum subalpinum</i> Hand.-Mazz.
208	10	vii	1992	E	<i>Bupleurum dalhousieanum</i> (C.B. Clarke) Koso-Pol.
294	12	vii	1992	E	<i>Heracleum woodii</i> M.F. Watson
317	13	vii	1992	E	<i>Bupleurum dalhousieanum</i> (C.B. Clarke) Koso-Pol.
347	13	vii	1992	E	<i>Physospermopsis kingdon-wardii</i> (H. Wolff) C. Norman
355	14	vii	1992	E	<i>Cortiella cortioides</i> (C. Norman) M.F. Watson
363	14	vii	1992	E	<i>Pleurospermum apiolens</i> C.B. Clarke
364	14	vii	1992	E	<i>Acronema bellum</i> (C.B. Clarke) P.K. Mukh.
365	14	vii	1992	E	<i>Cortia depressa</i> (D. Don) C. Norman
410	16	vii	1992	E	<i>Physospermopsis kingdon-wardii</i> (H. Wolff) C. Norman
413	16	vii	1992	E	<i>Physospermopsis kingdon-wardii</i> (H. Wolff) C. Norman
414	16	vii	1992	E	<i>Bupleurum dalhousieanum</i> (C.B. Clarke) Koso-Pol.
459	18	vii	1992	E	<i>Acronema tenerum</i> (DC.) Edgew.
460	18	vii	1992	E	<i>Sinocarum longii</i> M.F. Watson
477	18	vii	1992	E	<i>Pleurospermum album</i> H. Wolff

478	18	vii	1992	E	<i>Acronema bellum</i> (C.B. Clarke) P.K. Mukh.
563	20	vii	1992	E	<i>Pleurospermum album</i> H. Wolff
577	21	vii	1992	E	<i>Pleurospermum hookeri</i> C.B. Clarke
597	21	vii	1992	E	<i>Cortiella cortioides</i> (C. Norman) M.F. Watson
656	22	vii	1992	E	<i>Physospermopsis kingdon-wardii</i> (H. Wolff) C. Norman
665	23	vii	1992	E	<i>Sinocarum longii</i> M.F. Watson
680	24	vii	1992	E	<i>Heracleum woodii</i> M.F. Watson
723	26	vii	1992	E	<i>Sinocarum pulchellum</i> C. Norman ex M.F. Watson
725	26	vii	1992	E	<i>Sanicula elata</i> D. Don
734	26	vii	1992	E	<i>Chaerophyllum villosum</i> D. Don
834	28	vii	1992	E	<i>Sanicula elata</i> D. Don
952	31	vii	1992	E	<i>Heracleum nepalense</i> D. Don
983	31	vii	1992	E	<i>Hydrocotyle himalaica</i> P.K. Mukh.
1082	3	viii	1992	E	<i>Oenanthe thomsonii</i> C.B. Clarke
1083	3	viii	1992	E	<i>Hydrocotyle himalaica</i> P.K. Mukh.
1173	6	viii	1992	E	<i>Centella asiatica</i> (L.) Urb.
<b>Gamble, J.S.</b>					
21	5	x	1875	K(a)	<i>Pimpinella tongloensis</i> P.K. Mukh.
85	9	x	1875	[CAL(f)],K(a)	<i>Bupleurum candollei</i> Wall. ex DC.
718	13	vi	1876	K	<i>Heracleum nepalense</i> D. Don
781		x	1875	BM	<i>Selinum papyraceum</i> C. Blarke
1612		ix	1876	K(a)	<i>Selinum papyraceum</i> C.B. Clarke
3915		x	1872	K(a)	<i>Heracleum nepalense</i> D. Don
3916		vii	1874	[CAL],K(a)	<i>Heracleum nepalense</i> D. Don
3917		vii	1974	K(a,b)	<i>Selinum wallichianum</i> (DC.) Raizada & Saxena
3918		vi	1874	K(a)	<i>Oenanthe thomsonii</i> C.B. Clarke
3919		vii	1874	K(a)	<i>Oenanthe thomsonii</i> C.B. Clarke
3920	12	x	1875	K(a)	<i>Acronema bellum</i> (C.B. Clarke) P.K. Mukh.
3921		vii	1874	[DD(c)],K(a,d)	<i>Sanicula elata</i> D. Don
3925		vii	1874	K(a)	<i>Hydrocotyle nepalensis</i> Hook.f.
3926	28	vii	1874	[CAL(b)],K(a)	<i>Hydrocotyle nepalensis</i> Hook.f.
3927	3	ix	1875	K(a)	<i>Hydrocotyle nepalensis</i> Hook.f.
3928		xii	1872	K(a)	<i>Hydrocotyle nepalensis</i> Hook.f.
3929		vii	1874	K(a)	<i>Hydrocotyle himalaica</i> P.K. Mukh.
3930		xii	1872	K(a)	<i>Hydrocotyle himalaica</i> P.K. Mukh.
3932		iv	1873	K	<i>Oenanthe javanica</i> (Blume) DC.
3934		x	1870	[DD(c)],K(a)	<i>Heracleum</i> cf. <i>sublineare</i> C.B. Clarke
3935	19	ix	1875	K(d)	<i>Pimpinella urceolata</i> Banerji
3936/ 478		x	174	K	cf. <i>Peucedanum dhana</i> Wall. ex C.B. Clarke
7197		x	1879	K	<i>Oenanthe thomsonii</i> C.B. Clarke
7214		x	1879	K	<i>Selinum wallichianum</i> (DC.) Raizada & Saxena

7278	x	1879	K	<i>Pimpinella sikkimensis</i> C.B. Clarke
7723	i	1880	K	<i>Hydrocotyle sibthorpioides</i> Lam.
8174	vi	1880	K	<i>Selinum wallichianum</i> (DC.) Raizada & Saxena
8416	ix	1880	K	<i>Pimpinella tongloensis</i> P.K. Mukh.
8432	ix	1880	K	<i>Acronema bellum</i> (C.B. Clarke) P.K. Mukh.
8467	ix	1880	K	<i>Acronema bellum</i> (C.B. Clarke) P.K. Mukh.
10378	vii	1882	E	<i>Pimpinella tongloensis</i> P.K. Mukh.
10379	vii	1882	K	<i>Sanicula elata</i> D. Don
10456	vii	1882	K(a,b)	<i>Oenanthe thomsonii</i> C.B. Clarke
10469	vii	1882	K	<i>Centella asiatica</i> (L.) Urb.
27052	19	viii	1875	<i>Pimpinella diversifolia</i> cf. var. <i>stolonifera</i> Hand.-Mazz.
<b>Gammie, G.A.</b>				
s.n.	14	viii	1892	<i>Chamaesium novem-jugum</i> (C.B. Clarke) C. Norman
s.n.	1892		K	<i>Sinocarum sikkimense</i> (P.K. Mukh.) P.K. Mukh. & Constance
s.n.		viii	1892	<i>Physospermopsis obtusiuscula</i> (DC.) C. Norman
618	5	viii	1891	<i>Acronema hookeri</i> (C.B. Clarke) H. Wolff var. <i>hookeri</i>
916	19	viii	1892	<i>Acronema pseudotenerum</i> P.K. Mukh.
992	23	viii	1992	<i>Pternopetalum radiatum</i> (W.W. Sm.) P.K. Mukh.
<b>Gould, B.J.</b>				
536	20	vi	1938	<i>Pleurospermum benthamii</i> (DC.) C.B. Clarke
544	18	vi	1938	<i>Pleurospermum amabile</i> Craib & W.W. Sm.
600	26	vi	1938	<i>Bupleurum candollei</i> Wall. ex DC.
889	8	vii	1938	<i>Bupleurum falcatum</i> L.
935	8	vii	1938	<i>Sanicula elata</i> D. Don
956	9	vii	1938	<i>Cortia depressa</i> (D. Don) C. Norman
1018	12	vii	1938	<i>Oenanthe hookeri</i> C.B. Clarke
1043	13	vii	1938	<i>Bupleurum candollei</i> Wall. ex DC.
1044	13	vii	1938	<i>Pimpinella tibetica</i> H. Wolff
1052	13	vii	1938	<i>Cnidium bhutanicum</i> M.F. Watson
1116	14	vii	1938	<i>Physospermopsis</i> cf. <i>kingdon-wardii</i> (H. Wolff) C. Norman
1177	17	vii	1938	<i>Tordyliopsis brunonis</i> DC.
1191	17	vii	1938	<i>Pimpinella tibetica</i> H. Wolff
1286		viii	1938	<i>Pleurospermum dentatum</i> (DC.) C.B. Clarke
1290		viii	1938	<i>Pleurospermum album</i> H. Wolff
1361		viii	1938	<i>Pleurospermopsis sikkimensis</i> (C.B. Clarke) C. Norman

1365	viii	1938	K	<i>Chamaesium novem-jugum</i> (C.B. Clarke) C. Norman	
1377	viii	1938	K	<i>Heracleum sublineare</i> C.B. Clarke	
1390	viii	1938	K	<i>Pleurospermopsis sikkimensis</i> (C.B. Clarke) C. Norman	
1433	12	viii	1938	K	<i>Acronema hookeri</i> (C.B. Clarke) H. Wolff var. <i>hookeri</i>
1445	13	viii	1938	BM	<i>Sinocarum sikkimense</i> (P.K. Mukh.) P.K. Mukh. & Constance
1459	13	viii	1938	K	<i>Pleurospermum pilosum</i> H. Wolff
1472	13	viii	1938	K	<i>Cortiella hookeri</i> (C.B. Clarke) C. Norman

**Grierson, A.J.C. & Long, D.G.**

54	8	vi	1975	E	<i>Heracleum sphondylium</i> L. agg.
248	11	vi	1975	E	<i>Sanicula elata</i> D. Don
449	17	vii	1975	E	<i>Hydrocotyle nepalensis</i> Hook.f.
721	1	v	1979	E	<i>Trachyspermum ammi</i> (L.) Sprague
725	1	v	1979	E	<i>Anethum graveolens</i> L.
753	2	v	1979	E	<i>Eryngium foetidum</i> L.
1106	17	v	1979	E,K	<i>Sanicula elata</i> D. Don
1259	22	v	1979	E,K	<i>Osmorhiza aristata</i> (Thunb.) Rydb.
1284	24	v	1979	E,K	<i>Hydrocotyle sibthorpioides</i> Lam.
1304	25	v	1979	E	<i>Coriandrum sativum</i> L.
1729	8	vi	1979	E	<i>Pternopetalum subalpinum</i> Hand.-Mazz.
1855	12	vi	1979	E	<i>Pternopetalum radiatum</i> (W.W. Sm.) P.K. Mukh.
1971	15	vi	1979	E	<i>Sanicula elata</i> D. Don
2019	17	vi	1979	E	<i>Hydrocotyle himalaica</i> P.K. Mukh.
2100	20	vi	1979	E,K	<i>Heracleum nepalense</i> D. Don
2142	21	vi	1979	E,K	<i>Hydrocotyle nepalensis</i> Hook.f.
2450	3	vii	1979	E	<i>Torilis japonica</i> (Houtt.) DC.
2496	5	vii	1979	E	<i>Oenanthe thomsonii</i> C.B. Clarke
2518	6	vii	1979	E,K	<i>Bupleurum candollei</i> Wall. ex DC.
2652	10	vii	1979	E,K	<i>Oenanthe thomsonii</i> C.B. Clarke
2716	17	vii	1979	E,K	<i>Oenanthe hookeri</i> C.B. Clarke
2763	19	vii	1979	E, K	<i>Pimpinella tibetanica</i> H. Wolff
2773	19	vii	1979	E,K	<i>Cortia depressa</i> (D. Don) C. Norman
2795	19	vii	1979	E	<i>Cnidium bhutanicum</i> M.F. Watson
2823	22	vii	1979	E	<i>Torilis japonica</i> (Houtt.) DC.
2832	22	vii	1979	E,K	<i>Bupleurum candollei</i> Wall. ex DC.
2861	11	ii	1982	E	<i>Cuminum cyminum</i> L.
2890	13	ii	1982	E	<i>Coriandrum sativum</i> L.
3346	1	iii	1982	E	<i>Hydrocotyle sibthorpioides</i> Lam.
3928	22	iii	1982	E	<i>Hydrocotyle nepalensis</i> Hook.f.
4255	3	iv	1982	E	<i>Sanicula elata</i> D. Don
4288	3	iv	1982	E,K	<i>Centella asiatica</i> (L.) Urb.
4594	21	iv	1982	E,K	<i>Hydrocotyle sibthorpioides</i> Lam.

**Griffith, W.**

382 (KD 2595)	K	<i>Hydrocotyle himalaica</i> P.K. Mukh.
EIC 2058	K	<i>Carum carvi</i> L.
EIC 2060	BM,K	<i>Heracleum obtusifolium</i> Wall. ex DC.

EIC 2061			BM,K	<i>Heracleum nepalense</i> D. Don	
EIC 2063			BM	<i>Hydrocotyle himalaica</i> (L.) Urb.	
KD 2593			K,P	<i>Centella asiatica</i> (L.) Urb.	
KD 2594			P	<i>Hydrocotyle sibthorpioides</i> Lam.	
KD 2595/1			P	<i>Hydrocotyle nepalensis</i> Hook.f.	
KD 2595			K	<i>Hydrocotyle himalaica</i> P.K. Mukh.	
<b>Haines, H.H.</b>					
959	ix	1904	K	<i>Selinum papyraceum</i> C.B. Clarke	
<b>Hobson, H.E.</b>					
s.n.		1897	K	<i>Heracleum nepalense</i> D. Don	
s.n.		1897	K	<i>Pleurospermopsis sikkimensis</i> (C.B. Clarke) C. Norman	
s.n.		1897	K	<i>Pleurospermum dentatum</i> (DC.) C.B. Clarke	
s.n.		1897	K	<i>Cortia depressa</i> (D. Don) C. Norman	
s.n.		1897	K	<i>Pimpinella tibetanica</i> H. Wolff	
<b>Hooker, J.D. (only top set bearing field labels cited)</b>					
s.n.	ix	1848	K	<i>Sanicula elata</i> D. Don	
s.n.	x	[1848]	K	<i>Physospermopsis obtusiuscula</i> (DC.) C. Norman	
s.n.	x	[1848]	K	<i>Physospermopsis kingdon-wardii</i> (H. Wolff) C. Norman	
s.n.	x	1848	K	<i>Pleurospermum apiolens</i> C.B. Clarke	
s.n.	27	x	1848	K	<i>Pimpinella sikkimensis</i> C.B. Clarke
s.n.	10	i	[1849]	K	<i>Pleurospermum apiolens</i> C.B. Clarke
s.n.	10	i	1849	K	<i>Pleurospermopsis sikkimensis</i> (C.B. Clarke) C. Norman
s.n.	10	i	1849	K	<i>Cortiella hookeri</i> (C.B. Clarke) C. Norman
s.n.	10	i	[1849]	K	<i>Physospermopsis obtusiuscula</i> (DC.) C. Norman
s.n.	17	i	1849	K	<i>Angelica sikkimensis</i> (C.B. Clarke) P.K. Mukh.
s.n.	12	v	[1849]	K	<i>Anethum graveolens</i> L.
s.n.	17	v	1849	K	<i>Chaerophyllum villosum</i> D. Don
s.n.	23	v	1849	K	<i>Heracleum nepalense</i> D. Don
s.n.	24	v	1849	K	<i>Sanicula elata</i> D. Don
s.n.	28	v	1849	K	<i>Bupleurum marginatum</i> Wall. ex DC.
s.n.	3	vi	1849	K	<i>Selinum wallichianum</i> (DC.) Raizada & Saxena
s.n.	3	vii	[1849]	K	<i>Hydrocotyle himalaica</i> P.K. Mukh.
s.n.	3	vii	1849	K	<i>Heracleum nepalense</i> D. Don
s.n.	6	vii	1849	K	<i>Heracleum sphondylium</i> L. agg.
s.n.	6	vii	1849	K	<i>Sanicula elata</i> D. Don
s.n.	6	vii	1849	K	<i>Selinum wallichianum</i> (DC.) Raizada & Saxena
s.n.	9	vii	1849	K	<i>Bupleurum candollei</i> Wall. ex DC.
s.n.	12	vii	1849	K	<i>Carum carvi</i> L.
s.n.	12	vii	1849	K	<i>Cortia depressa</i> (D. Don) C. Norman
s.n.	12	vii	1849	K	<i>Tordyliopsis brunonis</i> DC.

s.n.	14	vii	1849	K	<i>Bupleurum himalayense</i> Klotzsch
s.n.	14	vii	1849	K	<i>Cortia depressa</i> (D. Don) C. Norman
s.n.	14	vii	1849	K	<i>Heracleum obtusifolium</i> Wall. ex DC.
s.n.	14	vii	1849	K	<i>Selinum wallichianum</i> (DC.) Raizada & Saxena
s.n.	15	vii	1849	K	<i>Cortia depressa</i> (D. Don) C. Norman
s.n.	16	vii	1849	K	<i>Acronema bellum</i> (C.B. Clarke) P.K. Mukh.
s.n.	16	vii	1849	K	<i>Tordyliopsis brunonis</i> DC.
s.n.	16	vii	1849	K	<i>Physospermopsis obtusiuscula</i> (DC.) C. Norman
s.n.	17	vii	1849	K	<i>Physospermopsis kingdon-wardii</i> (H. Wolff) C. Norman
s.n.	21	vii	1849	K	<i>Acronema hookeri</i> var. <i>graminifolium</i> (W.W. Sm.) H. Wolff
s.n.	22	vii	1849	K	<i>Acronema tenerum</i> (DC.) Edgew.
s.n.	22	vii	1849	K	<i>Heracleum sphondylium</i> L. agg.
s.n.	22	vii	1849	K	<i>Selinum wallichianum</i> (DC.) Raizada & Saxena
s.n.	23	vii	1849	K	<i>Acronema bellum</i> (C.B. Clarke) P.K. Mukh.
s.n.	23	vii	1849	K	<i>Bupleurum himalayense</i> Klotzsch
s.n.	23	vii	1849	K	<i>Heracleum sublineare</i> C.B. Clarke
s.n.	23	vii	1849	K	<i>Physospermopsis kingdon-wardii</i> (H. Wolff) C. Norman
s.n.	23	vii	1849	K	<i>Physospermopsis obtusiuscula</i> (DC.) C. Norman
s.n.	23	vii	1849	K	<i>Tordyliopsis brunonis</i> DC.
s.n.	23	vii	1849	K	<i>Heracleum nepalense</i> D. Don
s.n.	24	vii	1849	K	<i>Chamaesium novem-jugum</i> (C.B. Clarke) C. Norman
s.n.	24	vii	1849	K	<i>Acronema bellum</i> (C.B. Clarke) P.K. Mukh.
s.n.	24	vii	1849	K	<i>Cortiella cortioides</i> (C. Norman) M.F. Watson
s.n.	24	vii	1849	K	<i>Cortiella hookeri</i> (C.B. Clarke) C. Norman
s.n.	30	vii	1849	K	<i>Heracleum sublineare</i> C.B. Clarke
s.n.	30	vii	1849	K	<i>Physospermopsis kingdon-wardii</i> (H. Wolff) C. Norman
s.n.	30	vii	1849	K	<i>Acronema bellum</i> (C.B. Clarke) P.K. Mukh.
s.n.	31	vii	1849	K	<i>Acronema hookeri</i> (C.B. Clarke) H. Wolff var. <i>hookeri</i>
s.n.	1	viii	1849	K	<i>Heracleum sphondylium</i> L. agg.
s.n.	3	viii	1849	K	<i>Angelica cyclocarpa</i> (C. Norman) Cannon
s.n.	3	viii	1849	K	<i>Chaerophyllum villosum</i> D. Don
s.n.	4	viii	1849	K	<i>Oenanthe thomsonii</i> C.B. Clarke
s.n.	5	viii	1849	K	<i>Pimpinella diversifolia</i> cf. var. <i>stolonifera</i> Hand.-Mazz.
s.n.	5	viii	1849	K	<i>Heracleum nepalense</i> D. Don
s.n.	1	viii	1849	K	<i>Heracleum nepalense</i> D. Don



s.n.	1	viii	1849	K	<i>Bupleurum candollei</i> Wall. ex DC.
s.n.	1	viii	1849	E	<i>Pimpinella diversifolia</i> DC. cf. var. <i>diversifolia</i>
s.n.	16	viii	1849	K	<i>Selinum wallichianum</i> (DC.) Raizada & Saxena
s.n.	21	viii	1849	K	<i>Pleurospermopsis sikkimensis</i> (C.B. Clarke) C. Norman
s.n.	21	viii	1849	K	<i>Sinocarum woodii</i> M.F. Watson
s.n.	21	vii	1849	K	<i>Acronema tenerum</i> (DC.) Edgew.
s.n.	22	vii	1849	K	<i>Acronema tenerum</i> (DC.) Edgew.
s.n.	22	viii	1849	K	<i>Cortia depressa</i> (D. Don) C. Norman
s.n.	22	viii	1849	K	<i>Pleurospermopsis sikkimensis</i> (C.B. Clarke) C. Norman
s.n.	22	viii	1849	K	<i>Pleurospermum dentatum</i> (DC.) C.B. Clarke
s.n.	22	viii	1849	K	<i>Sinocarum</i> cf. <i>longii</i> M.F. Watson
s.n.	22	viii	1849	K	<i>Sinocarum sikkimense</i> (P.K. Mukh.) P.K. Mukh. & Constance
s.n.	29	viii	1849	K	<i>Acronema hookeri</i> (C.B. Clarke) H. Wolff var. <i>hookeri</i>
s.n.	29	viii	1849	K	<i>Acronema tenerum</i> (DC.) Edgew.
s.n.	30	viii	1849	K	<i>Heracleum sublineare</i> C.B. Clarke
s.n.	30	viii	1849	K	<i>Physospermopsis obtusiuscula</i> (DC.) C. Norman
s.n.	30	viii	1849	K	<i>Pleurospermum apiolens</i> C.B. Clarke
s.n.	30	viii	1849	K	<i>Sinocarum sikkimense</i> (P.K. Mukh) P.K. Mukh. & Constance
s.n.		ix	1849	K	<i>Cortiella hookeri</i> (C.B. Clarke) C. Norman
s.n.	2	ix	1849	K	<i>Pleurospermum apiolens</i> C.B. Clarke
s.n.	2	ix	1849	K	<i>Selinum wallichianum</i> (DC.) Raizada & Saxena
s.n.	4	ix	1848	K	<i>Oenanthe thomsonii</i> C.B. Clarke
s.n.	5	ix	1849	K	<i>Cortia depressa</i> (D. Don) C. Norman
s.n.	6	ix	1849	K	<i>Chamaesium novem-jugum</i> (C.B. Clarke) C. Norman
s.n.	6	ix	1849	K	<i>Cortia depressa</i> (D. Don) C. Norman
s.n.	6	ix	1849	K	<i>Pleurospermopsis sikkimensis</i> (C.B. Clarke) C. Norman
s.n.	6	ix	1849	K	<i>Pleurospermum apiolens</i> C.B. Clarke
s.n.	6	ix	1849	K	<i>Pleurospermum dentatum</i> (DC.) C.B. Clarke
s.n.	6	ix	1849	K	<i>Sinocarum woodii</i> M.F. Watson
s.n.	7	ix	1849	K	<i>Heracleum sublineare</i> C.B. Clarke
s.n.	7	ix	1849	K	<i>Pleurospermum dentatum</i> (DC.) C.B. Clarke
s.n.	7	ix	1849	K	<i>Selinum wallichianum</i> (DC.) Raizada & Saxena
s.n.	9	ix	1849	K	<i>Cortiella hookeri</i> (C.B. Clarke) C. Norman
s.n.	11	ix	1849	K	cf. <i>Acronema</i>
s.n.	11	ix	1849	K	<i>Cortia depressa</i> (D. Don) C. Norman

s.n.	11	ix	1849	K	<i>Cortiella cortioides</i> (C. Norman) M.F. Watson
s.n.	11	ix	1849	K	<i>Cortiella hookeri</i> (C.B. Clarke) C. Norman
s.n.	11	ix	1849	K	<i>Pleurospermum hookeri</i> C.B. Clarke
s.n.	11	ix	1849	K	<i>Schulzia dissecta</i> (C.B. Clarke) C. Norman
s.n.	11	ix	1849	K	<i>Physospermopsis obtusiuscula</i> (DC.) C. Norman
s.n.	16	viii	1849	K	<i>Selinum wallichianum</i> (DC.) Raizada & Saxena
s.n.	30	ix	1849	K	<i>Pleurospermum hookeri</i> C.B. Clarke
s.n.		x	1849	K	<i>Bupleurum himalayense</i> Klotzsch
s.n.		x	1849	K	<i>Cortiella cortioides</i> (C. Norman) M.F. Watson
s.n.		x	1849	K	<i>Cortiella hookeri</i> (C.B. Clarke) C. Norman
s.n.		x	[1849]K		<i>Schulzia dissecta</i> (C.B. Clarke) C. Norman
s.n.		x-xi	1849	K	<i>Oenanthe thomsonii</i> C.B. Clarke
s.n.	1	x	1849	K	<i>Acronema hookeri</i> (C.B. Clarke) H. Wolff var. <i>hookeri</i>
s.n.	1	x	1849	K	<i>Selinum wallichianum</i> (DC.) Raizada & Saxena
s.n.	2	x	1849	K	<i>Bupleurum candollei</i> Wall. ex DC.
s.n.	2	x	1849	K	<i>Chaerophyllum villosum</i> D. Don
s.n.	2	x	1849	K	cf. <i>Acronema</i>
s.n.	[10-x		[1849]K		<i>Chamaesium novem-jugum</i> (C.B. Clarke) C. Norman
	15]				
s.n.	24	x	1849	K	<i>Selinum wallichianum</i> (DC.) Raizada & Saxena
s.n.	27	x	1849	K	<i>Acronema hookeri</i> (C.B. Clarke) H. Wolff var. <i>hookeri</i>
s.n.	27	x	1849	K	<i>Pimpinella urceolata</i> Banerji
s.n.	27	x	1849	K	<i>Acronema tenerum</i> (DC.) Edgew.
s.n.	6	xi	1849	K	<i>Angelica nubigena</i> (C.B. Clarke) P.K. Mukh.
s.n.	6	xi	1849	K	<i>Physospermopsis obtusiuscula</i> (DC.) C. Norman
s.n.	6	xi	1849	K	<i>Selinum wallichianum</i> (DC.) Raizada & Saxena
s.n.	6	xi	1849	K	cf. <i>Sinocarum</i>
s.n.	11	xi	1849	K	<i>Physospermopsis obtusiuscula</i> (DC.) C. Norman

**King, G., and collectors**

52	22	vii	1884	K	<i>Sinocarum wolffianum</i> (Fedde) P.K. Mukh. & Constance
70	28	vii	1884	K	<i>Pleurospermum pilosum</i> H. Wolff
73	28	vii	1884	BM,E,K	<i>Pleurospermum album</i> H. Wolff
152	7	vii	1884	K	<i>Trachydium</i> sp.
175	24	vii	1884	K	<i>Acronema hookeri</i> (C.B. Clarke) H. Wolff var. <i>hookeri</i>
178	4	viii	1884	K	<i>Sinocarum wolffianum</i> (Fedde) P.K. Mukh. & Constance

423	1	vii	1884	K	<i>Sanicula elata</i> D. Don
635	30	vii	1884	K	<i>Tordyliopsis brunonis</i> DC.
638			1884	K	<i>Pleurospermopsis sikkimensis</i> (C.B. Clarke) C. Norman
918	25	vi	1874	E	<i>Sanicula elata</i> D. Don
s.n.		ix	1876	K	<i>Pimpinella sikkimensis</i> C.B. Clarke
3109	11	x	1876	E	<i>Selinum papyraceum</i> C.B. Clarke
4241	11	vii	1877	K	<i>Bupleurum dalhousieanum</i> (C.B. Clarke) Koso-Pol.
4603	28	vii	1877	K	<i>Cortiella hookeri</i> (C.B. Clarke) C. Norman
4632	28	vii	1877	K	<i>Chamaescadium subnudum</i> H. Wolff
s.n.		viii	1879	K	<i>Sinocarum wolffianum</i> (Fedde) P.K. Mukh. & Constance
s.n.	20	viii	1882	K	<i>Sinocarum</i> sp. aff. <i>sikkimensis</i> (P.K. Mukh) P.K. Mukh. & Constance
s.n.	30	vi	1882	K	<i>Pimpinella tibetica</i> H. Wolff
s.n.	6	vii	1882	K	<i>Sinocarum pauciradiatum</i> R.H. Shan & F.T. Pu
s.n.	8	vii	1882	K	<i>Cortia depressa</i> (D. Don) C. Norman
s.n.	31	vii	1882	K	<i>Keraymonia cortiiformis</i> Cauwet & Malla
s.n.	8	viii	1882	K	<i>Sinocarum sikkimensis</i> (P.K. Mukh.) P.K. Mukh. & Constance
s.n.		vi	1887	K	<i>Bupleurum dalhousieanum</i> (C.B. Clarke) Koso-Pol.
s.n.		viii-ix	1887	K	<i>Sinocarum clarkeanum</i> P.K. Mukh. & Constance
s.n.		viii	1888	K	<i>Sinocarum wolffianum</i> (Fedde) P.K. Mukh. & Constance
s.n.		viii	1888	K	<i>Acronema nervosum</i> H. Wolff
s.n.		viii	1888	K	<i>Sinocarum clarkeanum</i> P.K. Mukh. & Constance
s.n.		viii	1888	K	<i>Sinocarum sikkimensis</i> (P.K. Mukh.) P.K. Mukh. & Constance
<b>Kingdon Ward, F.</b>					
13751	16	vi	1938	BM	<i>Sinocarum pauciradiatum</i> R.H. Shan & F.T. Pu
<b>Kundu, B.C.</b>					
s.n.		x	1944	K	<i>Hydrocotyle nepalensis</i> Hook.f.
<b>Kuntze, O. (Herb.)</b>					
s.n.		xi	1875	K	<i>Hydrocotyle nepalensis</i> Hook.f.
<b>Kurz, S.</b>					
s.n.		[pre 1877]	K		<i>Cortiella cortioides</i> (C. Norman) M.F. Watson
<b>Lacaita, C.C.</b>					
s.n.	28	iv	1913	BM	<i>Oenanthe thomsonii</i> C.B. Clarke
<b>Long, D.G. &amp; Noltie, H.J. (EENS)</b>					
1	5	vii	1996	E	<i>Hydrocotyle sibthorpioides</i> Lam.
5	5	vii	1996	E	<i>Oenanthe thomsonii</i> C.B. Clarke

21	5	vii	1996	E	<i>Heracleum nepalense</i> D. Don
48	8	vii	1996	E	<i>Bupleurum dalhousieanum</i> (C.B. Clarke) Koso-Pol.
99	10	vii	1996	E	<i>Sanicula elata</i> D. Don
153	13	vii	1996	E	<i>Heracleum sublineare</i> C.B. Clarke
166	13	vii	1996	E	<i>Cortia depressa</i> (D. Don) C. Norman
167	13	vii	1996	E	<i>Physospermopsis kingdon-wardii</i> (H. Wolff) C. Norman
175	13	vii	1996	E	<i>Pternopetalum alpinum</i> Hand.-Mazz.
229	15	vii	1996	E	<i>Bupleurum candollei</i> Wall. ex DC.
273	17	vii	1996	E	<i>Tordyliopsis brunonis</i> DC.
285	17	vii	1996	E	<i>Chamaesium novem-jugum</i> (C.B. Clarke) C. Norman
286	17	vii	1996	E	<i>Cortia depressa</i> (D. Don) C. Norman
310	18	vii	1996	E	<i>Bupleurum himalayense</i> Klotz.
319	18	vii	1996	E	<i>Tordyliopsis brunonis</i> DC.
363	20	vii	1996	E	<i>Bupleurum dalhousieanum</i> (C.B. Clarke) Koso-Pol.
367	20	vii	1996	E	<i>Acronema bellum</i> (C.B. Clarke) P.K. Mukh.
390	20	vii	1996	E	<i>Chamaesium novem-jugum</i> (C.B. Clarke) C. Norman
424	20	vii	1996	E	<i>Cortiella hookeri</i> (C.B. Clarke) C. Norman

**Ludlow, F. & Sherriff, G.**

532	26	ix	1933	BM	<i>Bupleurum candollei</i> Wall. ex DC.
533	28	ix	1933	BM	<i>Torilis japonica</i> (Houtt.) DC.
536	30	ix	1932	BM	<i>Angelica sikkimensis</i> (C.B. Clarke) P.K. Mukh.
3294	22	vi	1937	BM,E	<i>Pleurospermum hookeri</i> C.B. Clarke
3319	26	vi	1937	BM,E	<i>Pleurospermum benthamii</i> (DC.) C.B. Clarke
3414	10	vii	1937	BM	<i>Sinocarum pauciradiatum</i> R.H. Shan & F.T. Pu
3423	12	vii	1937	BM,E	<i>Cortia depressa</i> (D. Don) C. Norman
3481	18	vii	1937	BM,E	<i>Tordyliopsis brunonis</i> DC.
10019	7	x	1942	BM	<i>Sinocarum pulchellum</i> C. Norman ex M.F. Watson

**Ludlow, F., Sheriff, G. & Hicks, J.H.**

16209	12	v	1949	BM,E	<i>Osmorhiza aristata</i> (Thunb.) Rydb.
16389	28	v	1949	BM,E	<i>Heracleum nepalense</i> D. Don
16432	6	vi	1949	E	<i>Pimpinella tibetanica</i> H. Wolff
16475	10	vi	1949	BM,E	<i>Carum carvi</i> L.
16554	14	vi	1949	BM,[CAL],E	<i>Pternopetalum subalpinum</i> Hand.-Mazz.
16613	23	vi	1949	E	<i>Pimpinella tibetanica</i> H. Wolff
16636	27	vi	1949	BM,E	<i>Heracleum nepalense</i> D. Don
16648	27	vi	1949	BM,E	<i>Cortiella hookeri</i> (C.B. Clarke) C. Norman
16668	28	vi	1949	BM,E	<i>Heracleum obtusifolium</i> Wall. ex DC.
16697	30	vi	1949	BM,E	<i>Chamaesium novem-jugum</i> (C.B. Clarke) C. Norman

16720	3	vii	1949	BM,E	<i>Selinum wallichianum</i> (DC.) Raizada & Saxena
16737	5	vii	1949	BM	<i>Cortia depressa</i> (D. Don) C. Norman
16742	6	vii	1949	BM,E	<i>Pleurospermum angelicoides</i> (DC.) C.B. Clarke
16751	6	vii	1949	BM,E	<i>Physospermopsis kingdon-wardii</i> (H. Wolff) C. Norman
16762	7	vii	1949	BM,E	<i>Pleurospermum amabile</i> Craib & W.W. Sm.
16789	10	vii	1949	BM	<i>Cortiella cortioides</i> (C. Norman) M.F. Watson
16806	12	vii	1949	BM,E	<i>Pleurospermum hookeri</i> C.B. Clarke
16813	13	vii	1949	BM,E	<i>Sinocarum pauciradiatum</i> R.H. Shan & F.T. Pu
16823	14	vii	1949	BM,E	<i>Pleurospermum angelicoides</i> (DC.) C.B. Clarke
16880	19	vii	1949	BM,E	<i>Tordyliopsis brunonis</i> DC.
16881	19	vii	1949	BM	<i>Pleurospermum benthamii</i> (DC.) C.B. Clarke
16928	22	vii	1949	BM,E	<i>Heracleum sublineare</i> C.B. Clarke
16942	23	vii	1949	BM,E	<i>Oenanthe hookeri</i> C.B. Clarke
16952	26	vii	1949	BM,E	<i>Bupleurum candollei</i> Wall. ex DC.
16953	26	vii	1949	BM,E	<i>Torilis japonica</i> (Houtt.) DC.
16968	30	vii	1949	BM	<i>Acronema hookeri</i> (C.B. Clarke) H. Wolff var. <i>hookeri</i>
16981	31	vii	1949	BM	<i>Chaerophyllum villosum</i> D. Don
17156	18	viii	1949	BM,E	<i>Cortiella hookeri</i> (C.B. Clarke) C. Norman
17164	18	viii	1849	BM	<i>Sinocarum</i> sp.
17164a	18	viii	1949	BM	cf. <i>Sinocarum</i>
17175	22	viii	1949	BM,E	<i>Pleurospermum pilosum</i> H. Wolff
17185	23	viii	1949	BM,E	<i>Tordyliopsis brunonis</i> DC.
17197	24	viii	1949	BM,E	<i>Sinocarum sikkimense</i> (P.K. Mukh.) P.K. Mukh. & Constance
18942	23	v	1949	BM	<i>Heracleum nepalense</i> D. Don
19047	4	vi	1949	E	<i>Pimpinella tibetanica</i> H. Wolff
19056	4	vi	1949	BM	<i>Heracleum nepalense</i> D. Don
19090	10	vi	1949	BM	<i>Bupleurum dalhousieanum</i> (C.B. Clarke) Koso-Pol.
19137	14	vi	1949	BM,E	<i>Heracleum obtusifolium</i> Wall. ex DC.
19150	15	vi	1949	E	<i>Pimpinella tibetanica</i> H. Wolff
19155	15	vi	1949	BM,E	<i>Pleurospermum benthamii</i> (DC.) C.B. Clarke
19174	16	vi	1949	BM	<i>Sinocarum pauciradiatum</i> R.H. Shan & F.T. Pu
19300	1	vii	1949	BM,E	<i>Torilis japonica</i> (Houtt.) DC.
19333	3	vii	1949	BM,E	<i>Physospermopsis kingdon-wardii</i> (H. Wolff) C. Norman
19356	6	vii	1949	BM,E	<i>Cortiella hookeri</i> (C.B. Clarke) C. Norman
19429	14	vii	1949	BM,E	<i>Pleurospermum amabile</i> Craib & W.W. Sm.

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|---|----|------|------|-------|---|
| 19475   | 21 | vii  | 1949 | BM,E  | <i>Tordyliopsis brunonis</i> DC.                              |
| 19477   | 21 | vii  | 1949 | BM,E  | <i>Pleurospermum hookeri</i> C.B. Clarke                      |
| 19489   | 22 | vii  | 1949 | BM,E  | <i>Acronema nervosum</i> H. Wolff                             |
| 19601   | 12 | viii | 1949 | BM, E | <i>Bupleurum candollei</i> Wall. ex DC.                       |
| 20225   | 2  | v    | 1949 | BM    | <i>Sanicula elata</i> D. Don                                  |
| 20257   | 10 | v    | 1949 | BM    | <i>Pternopetalum subalpinum</i> Hand.-Mazz.                   |
| 20338   | 8  | vi   | 1949 | BM    | <i>Bupleurum dalhousieanum</i> (C.B. Clarke)<br>Koso-Pol.     |
| 20374   | 19 | vi   | 1949 | BM    | <i>Cortia depressa</i> (D. Don) C. Norman                     |
| 20374a  | 19 | vi   | 1949 | BM    | <i>Physospermopsis kingdon-wardii</i><br>(H. Wolff) C. Norman |
| 20384   | 21 | vi   | 1949 | BM    | <i>Sinocarum minus</i> M.F. Watson                            |
| 20447   | 1  | vii  | 1949 | BM    | <i>Acronema nervosum</i> H. Wolff                             |
| 20600   | 9  | v    | 1949 | BM    | <i>Chaerophyllum villosum</i> D. Don                          |
| 20657   | 22 | v    | 1949 | BM    | <i>Sanicula elata</i> D. Don                                  |
| 20706   | 8  | vi   | 1949 | BM    | <i>Sinocarum pauciradiatum</i> R.H. Shan &<br>F.T. Pu         |
| 20735   | 16 | vi   | 1949 | BM,E  | <i>Pleurospermum benthamii</i> (DC.)<br>C.B. Clarke           |
| 20769   | 27 | vi   | 1949 | BM,E  | <i>Carum carvi</i> L.   |
| 20814   | 5  | vii  | 1949 | BM,E  | <i>Sanicula elata</i> D. Don                                  |
| 20815   | 5  | vii  | 1949 | BM,E  | <i>Pimpinella</i> cf. <i>sikkimensis</i> C.B. Clarke          |
| 20866   | 9  | vii  | 1949 | E     | <i>Pimpinella tibetana</i> H. Wolff                           |
| 20913   | 17 | vii  | 1949 | BM    | <i>Hydrocotyle himalaica</i> P.K. Mukh.                       |
| 20970   | 4  | viii | 1949 | BM,E  | <i>Acronema tenerum</i> (DC.) Edgew.                          |
| 21014   | 12 | viii | 1949 | BM    | <i>Sinocarum pulchellum</i> C. Norman ex<br>M.F. Watson       |
| 21100   | 24 | viii | 1949 | BM,E  | <i>Pleurospermum amabile</i> Craib &<br>W.W. Sm.              |
| 21102   | 24 | viii | 1949 | BM    | <i>Haplosphaera himalayensis</i> Ludlow                       |
| 21360   | 27 | vii  | 1949 | BM    | <i>Cortiella cortioides</i> (C. Norman)<br>M.F. Watson        |
| <b>Ludlow, F., Sheriff, G. &amp; Taylor, G.</b> |    |      |      |       |   |
| 7227  | 9  | xi   | 1918 | BM,E  | <i>Trachyspermum anethifolium</i> (D. Don)<br>H. Wolff        |
| 7263  | 13 | xi   | 1938 | BM    | <i>Meeboldia digitata</i> (Kljuykov)<br>M.F. Watson           |
| <b>Nawang, R. &amp; Tshering, S.</b>            |    |      |      |       |   |
| s.n.  | 1  | viii | 1973 | E     | <i>Selinum wallichianum</i> (DC.) Raizada &<br>Saxena         |
| s.n.  | 2  | viii | 1973 | E     | <i>Heracleum nepalense</i> D. Don                             |
| s.n.  | 3  | viii | 1973 | E     | <i>Pleurospermum pilosum</i> H. Wolff                         |
| s.n.  | 4  | viii | 1973 | E     | <i>Heracleum obtusifolium</i> Wall. ex DC.                    |
| s.n.  | 10 | viii | 1973 | E     | <i>Pleurospermum amabile</i> Craib &<br>W.W. Sm.              |
| s.n.  | 14 | viii | 1973 | E     | <i>Carum carvi</i> L.   |
| s.n.  | 28 | ix   | 1974 | E     | <i>Selinum wallichianum</i> (DC.) Raizada &<br>Saxena         |

**Parker, C.**

4890 14 iii 1991 E

*Centella asiatica* (L.) Urb.**Pradhan, Norbu & Naku**

57 12 viii 1972 E

*Heracleum sublineare* C.B. Clarke

74 17 viii 1972 E

*Hydrocotyle nepalensis* Hook.f.

77 27 viii 1872 E

*Tordyliopsis brunonis* DC.

86 19 viii 1972 E

*Acronema bellum* (C.B. Clarke)

P.K. Mukh.

113 23 viii 1972 E

*Chamaesium novem-jugum* (C.B. Clarke)

C. Norman

168 22 viii 1972 E

*Carum carvi* L.

209 19 viii 1972 E

*Pleurospermum hookeri* C.B. Clarke

90 18 viii 1972 E

*Pleurospermum pilosum* H. Wolff**Prain, D.A.**

199 ix 1900 [CAL],K

*Sinocarum clarkeanum* P.K. Mukh. &  
Constance

s.n. ix 1903 E,K

*Chamaesium subnudum* (H. Wolff)  
C. Norman**Rhomoo (Rohmoo or Rohmoo Lepcha)**

21 1 viii 1912 E

*Bupleurum dalhousieanum* (C.B. Clarke)  
Koso-Pol.

104 12 ix 1912 E,K

*Pleurospermum dentatum* (DC.)

C.B. Clarke

140 12 ix 1912 E

*Sinocarum sikkimense* (P.K. Mukh.)

P.K. Mukh. &amp; Constance

207 viii 1912 [CAL],E,K

*Pleurospermum amabile* Craib &  
W.W. Sm.

252 12 ix 1912 E

*Chamaesium subnudum* (H. Wolff)

C. Norman

270 12 ix 1912 E,K

*Heracleum obtusifolium* Wall. ex DC.

306 12 ix 1912 E

*Cortiella hookeri* (C.B. Clarke) C. Norman

371 12 ix 1912 [AAH],E

*Acronema sichuanense* S.L. Liou &

R.H. Shan

387 12 ix 1912 [AAH],BM,E

*Physospermopsis kingdon-wardii*

(H. Wolff) C. Norman

439 12 ix 1912 E,K

*Cortiella cortioides* (C. Norman)

M.F. Watson

441 12 ix 1912 E,K

*Pleurospermum hookeri* C.B. Clarke

470 12 ix 1912 [AAH],BM,E

*Chamaesium novem-jugum* (C.B. Clarke)

C. Norman

490 12 ix 1912 [AAH],BM,E

*Physospermopsis kingdon-wardii*

(H. Wolff) C. Norman

517 12 ix 1912 E

*Sinocarum pauciradiatum* R.H. Shan &

F.T. Pu

518 12 ix 1912 E,K

*Pleurospermum album* H. Wolff

529 12 ix 1912 [AAH],E

*Keryamonia cortiiformis* Cauwet & Malla

794 21 vii 1913 E

*Bupleurum candollei* Wall. ex DC.

852 12 viii 1913 E

*Acronema tenerum* (DC.) Edgew.

854 12 viii 1913 E

*Heracleum woodii* M.F. Watson

883	12	viii	1913	E	<i>Cortia depressa</i> (D. Don) C. Norman
896	12	ix	1913	E	<i>Physospermopsis kingdon-wardii</i> (H. Wolff) C. Norman
921	12	viii	1913	E	<i>Pleurospermum</i> cf. <i>album</i> H. Wolff
932	12	viii	1913	E	<i>Physospermopsis kingdon-wardii</i> (H. Wolff) C. Norman
941	12	viii	1913	E	<i>Pleurospermum benthamii</i> (DC.) C.B. Clarke
943	12	viii	1913	E	<i>Selinum papyraceum</i> C.B. Clarke
957	12	viii	1913	E	<i>Pleurospermum album</i> H. Wolff
967	12	viii	1913	E	<i>Pimpinella diversifolia</i> DC. var. <i>diversifolia</i>
970	12	viii	1913	E	<i>Pleurospermum hookeri</i> C.B. Clarke
1009	12	viii	1913	E	<i>Pleurospermum hookeri</i> C.B. Clarke
1086	12	viii	1913	E	<i>Bupleurum dalhousieanum</i> (C.B. Clarke) Koso-Pol.
1151	12	viii	1913	E	<i>Oenanthe thomsonii</i> C.B. Clarke
1165	12	viii	1913	E	<i>Pimpinella diversifolia</i> var. <i>stolonifera</i> Hand.-Mazz.
1172	12	viii	1913	E	<i>Heracleum wallichii</i> DC.
1183	12	viii	1913	E	<i>Pleurospermum hookeri</i> C.B. Clarke
<b>Ribu &amp; Rhomoo</b>					
4415	26	x	1910	K	<i>Pleurospermum apiolens</i> C.B. Clarke
4524	26	x	1910	E	<i>Sinocarum woodii</i> M.F. Watson
s.n.	18	I	1911	E	<i>Centella asiatica</i> (L.) Urb.
5080	6	ix	1911	E,K	<i>Pleurospermum dentatum</i> (DC.) C.B. Clarke
5407	6	ix	1911	E,K	<i>Angelica cyclocarpa</i> (C. Norman) Cannon
5638	25	xi	1911	E	<i>Cortiella cortioides</i> (C. Norman) M.F. Watson
5723	25	xi	1911	K	<i>Angelica cyclocarpa</i> (C. Norman) Cannon
5838	25	xi	1911	E,K	<i>Physospermopsis sikkimensis</i> (C.B. Clarke) C. Norman
5842	25	xi	1911	E,K	<i>Pleurospermum apiolens</i> C.B. Clarke
6328			1913	E	<i>Bupleurum candollei</i> Wall. ex DC.
6332			1913	E	<i>Pleurospermum apiolens</i> C.B. Clarke
6337			[1913]	E	<i>Sinocarum clarkeanum</i> P.K. Mukh. & Constance
6373			1913	E	<i>Heracleum</i> cf. <i>nepalense</i> D. Don
6375			1913	E	<i>Sinocarum clarkeanum</i> P.K. Mukh. & Constance
6382			1913	E	<i>Pleurospermum apiolens</i> C.B. Clarke
6390			1913	E	<i>Selinum wallichianum</i> (DC.) Raizada & Saxena
6409			1913	E	<i>Pleurospermum apiolens</i> C.B. Clarke
6429			1913	E	<i>Sinocarum sikkimense</i> (P.K. Mukh.) P.K. Mukh. & Constance
6430			1913	E	<i>Bupleurum dalhousieanum</i> (C.B. Clarke) Koso-Pol.
6462			1913	E	<i>Acronema bellum</i> (C.B. Clarke) P.K. Mukh.



6492		1913	E	<i>Pleurospermum album</i> H. Wolff	
6506		1913	E	cf <i>Acronema</i>	
6507		1913	E	<i>Pleurospermum apiolens</i> C.B. Clarke	
6520		1913	E	<i>Physospermopsis obtusiuscula</i> (DC.) C. Norman	
6532		1913	E	<i>Sinocarum wolffianum</i> (Fedde) P.K. Mukh. & Constance	
6538		1913	E	<i>Heracleum woodii</i> M.F. Watson	
6570		1913	E	<i>Pleurospermum benthamii</i> (DC.) C.B. Clarke	
6608		1913	E	<i>Heracleum</i> cf. <i>sublineare</i> C.B. Clarke	
6609		1913	E	<i>Acronema bellum</i> (C.B. Clarke) P.K. Mukh.	
6621		1913	E	<i>Pleurospermopsis sikkimensis</i> (C.B. Clarke) C. Norman	
6634		1913	E	<i>Cortiella cortioides</i> (C. Norman) M.F. Watson	
6678		1913	E	<i>Cortia depressa</i> (D. Don) C. Norman	
7203	ix-x	1914	E	<i>Angelica cyclocarpa</i> (C. Norman) Cannon	
7215	ix-x	1914	E	<i>Heracleum nepalense</i> D. Don	
<b>Ridley</b>					
s.n.	ii	1913	BM	<i>Hydrocotyle himalaica</i> P.K. Mukh.	
Rohmoo (see Rhomoo)					
<b>Rushforth, K.</b>					
712			E	<i>Angelica sikkimensis</i> (C.B. Clarke) P.K. Mukh.	
<b>Sargent, C.</b>					
130	30	vii	1983	E	<i>Cortia depressa</i> (D. Don) C. Norman
<b>Schlagintweit</b>					
12534	vi-	1855	P	<i>Hydrocotyle himalaica</i> P.K. Mukh.	
	vii				
12302	vi-	1855	BM	<i>Sanicula elata</i> D. Don	
	vii				
<b>Sinclair, I. &amp; Long, D.G.</b>					
4741	31	viii	1984	E	<i>Torilis japonica</i> (Houtt.) DC.
4820	5	ix	1984	E	<i>Angelica sikkimensis</i> (C.B. Clarke) P.K. Mukh.
4837	5	ix	1984	E	<i>Selinum wallichianum</i> (DC.) Raizada & Saxena
4870	5	ix	1984	E	<i>Acronema hookeri</i> (C.B. Clarke) H. Wolff var. <i>hookeri</i>
4872	5	ix	1984	E	<i>Selinum wallichianum</i> (DC.) Raizada & Saxena
4890	8	ix	1984	E	<i>Pimpinella urceolata</i> Banerji
4900	8	ix	1984	E	<i>Bupleurum candollei</i> Wall. ex DC.
4907	8	ix	1984	E,K	<i>Oenanthe hookeri</i> C.B. Clarke
5034	15	ix	1984	E	<i>Sanicula elata</i> D. Don

5056	16	ix	1984	E,K	<i>Sinocarum wolffianum</i> (Fedde) P.K. Mukh. & Constance
5129	19	ix	1984	E	<i>Heracleum nepalense</i> D. Don
5142	19	ix	1984	E	<i>Sinocarum wolffianum</i> (Fedde) P.K. Mukh. & Constance
5147	19	ix	1984	E	<i>Acronema sichuanense</i> S.L. Liou & R.H. Shan
5157	19	ix	1984	E,K	<i>Pleurospermum pilosum</i> H. Wolff
5161	20	viii	1984	E,K	<i>Cortia depressa</i> (D. Don) C. Norman
5168	20	ix	1984	E	<i>Pimpinella tibetica</i> H. Wolff
5170	20	ix	1984	E,K	<i>Tongoloa gracilis</i> H. Wolff
5183	20	ix	1984	E,K	<i>Pleurospermopsis sikkimensis</i> (C.B. Clarke) C. Norman
5184	20	ix	1984	E	<i>Pleurospermum apiolens</i> C.B. Clarke
5185	20	ix	1984	E,K	<i>Selinum wallichianum</i> (DC.) Raizada & Saxena
5190	20	ix	1984	E,K	<i>Bupleurum gracillimum</i> Klotzsch
5227	21	ix	1984	E	<i>Chamaesium novem-jugum</i> (C.B. Clarke) C. Norman
5228	21	ix	1984	E	<i>Pleurospermum amabile</i> Craib & W.W. Sm.
5245	21	ix	1984	E	<i>Cortiella hookeri</i> (C.B. Clarke) C. Norman
5249	23	ix	1984	E,K	<i>Pleurospermum apiolens</i> C.B. Clarke
5312	24	ix	1984	E	<i>Physospermopsis obtusiuscula</i> (DC.) C. Norman
5327	25	ix	1984	E,K	<i>Physospermopsis obtusiuscula</i> (DC.) C. Norman
5342	26	ix	1984	E	<i>Heracleum nepalense</i> D. Don
5350	26	ix	1984	E	<i>Sinocarum wolffianum</i> (Fedde) P.K. Mukh. & Constance
5355	26	ix	1984	E,K	<i>Pleurospermum pilosum</i> H. Wolff
5376	27	ix	1984	E,K	<i>Schulzia dissecta</i> (C.B. Clarke) C. Norman
5378	27	ix	1984	E,K	<i>Acronema bellum</i> (C.B. Clarke) P.K. Mukh.
5402	29	ix	1984	E,K	<i>Bupleurum candollei</i> Wall. ex DC.
5408	29	ix	1984	E	<i>Pleurospermum pilosum</i> H. Wolff
5463	1	x	1984	E,K	<i>Tordyliopsis brunonis</i> DC.
5469	2	x	1984	E	<i>Schulzia bhutanica</i> M.F. Watson
5480	3	x	1984	E	<i>Cortiella hookeri</i> (C.B. Clarke) C. Norman
5485	3	x	1984	E,K	<i>Pleurospermum amabile</i> Craib & W.W. Sm.
5495	3	x	1984	E	<i>Pleurospermum hookeri</i> C.B. Clarke
5530	4	x	1984	E,K	<i>Schulzia dissecta</i> (C.B. Clarke) C. Norman
5559	5	x	1984	E,K	<i>Acronema hookeri</i> var. <i>graminifolium</i> (W.W. Sm.) H. Wolff
5616	11	x	1984	E,K	<i>Bupleurum hamiltonii</i> N.P. Balakr.
5676	12	x	1884	E,K	<i>Sinocarum wolffianum</i> (Fedde) P.K. Mukh. & Constance

**Smith, W.W.**

3361	10	vii	1910	[CAL],K
3396	12	vii	1910	K

<i>Acronema nervosum</i> H. Wolff
<i>Cortia depressa</i> (D. Don) C. Norman

3586	20	vii	1910	[CAL],K	<i>Pleurospermum benthamii</i> (DC.) C.B. Clarke
3670	22	vii	1910	K	<i>Cortia depressa</i> (D. Don) C. Norman
3728	22	vii	1910	K	<i>Pleurospermum benthamii</i> (DC.) C.B. Clarke
3915	28	vii	1910	K	<i>Cortia depressa</i> (D. Don) C. Norman
4024	1	viii	1910	K	<i>Pleurospermum benthamii</i> (DC.) C.B. Clarke
4042	2	viii	1910	E	<i>Sinocarum woodii</i> M.F. Watson
4061	3	viii	1910	K	<i>Cortia depressa</i> (D. Don) C. Norman
4109	5	viii	1910	E,K	<i>Chamaesium viridiflorum</i> (Franch.) C. Norman
4115	5	viii	1910	[CAL],E,K	<i>Chamaesium viridiflorum</i> (Franch.) C. Norman
4287	13	viii	1910	K	<i>Lalldhwojia staintonii</i> Farille
4553	15	vii	1910	K	<i>Lalldhwojia staintonii</i> Farille
4628	15	vi	1911	E	<i>Oenanthe javanica</i> (Blume) DC.
<b>Smith, W.W. &amp; Cave, G.</b>					
908	7	vii	1909	[CAL],K	<i>Chaerophyllum villosum</i> D. Don
2714				[CAL] ( <i>n.v.</i> )	<i>Acronema hookeri</i> var. <i>graminifolium</i> (W.W. Sm.) H. Wolff
2804	20	vii	1909	K	<i>Chaerophyllum villosum</i> D. Don
<b>Spencer Chapman, F.</b>					
90			1936	K	<i>Pleurospermum dentatum</i> (DC.) C.B. Clarke
191			1936	K	<i>Cortiella cortioides</i> (C. Norman) M.F. Watson
287	2	viii	1936	K	<i>Heracleum</i> cf. <i>candicans</i> Wall. ex DC.
352	3	viii	1936	K	<i>Pimpinella tibetana</i> H. Wolff
414	1	viii	1936	K	<i>Pleurospermum dentatum</i> (DC.) C.B. Clarke
423	1	viii	1936	K	<i>Schulzia dissecta</i> (C.B. Clarke) C. Norman
459	1	viii	1936	K	<i>Pimpinella tibetana</i> H. Wolff
627	6	viii	1936	K	<i>Semenovia millefolia</i> (Diels) V.M. Vinogr. & Kamelin
628	13	viii	1936	K	<i>Semenovia millefolia</i> (Diels) V.M. Vinogr. & Kamelin
630	21	viii	1936	K	<i>Cortia depressa</i> (D. Don) C. Norman
631	1	viii	1936	K	<i>Cortia depressa</i> (D. Don) C. Norman
<b>Thomson, T.</b>					
s.n.	1857			E	<i>Hydrocotyle himalaica</i> P.K. Mukh.
s.n.	1857			E	<i>Hydrocotyle nepalensis</i> Hook.f.
s.n.	1857			E	<i>Oenanthe thomsonii</i> C.B. Clarke
s.n.	1857			E	<i>Pleurospermopsis sikkimensis</i> (C.B. Clarke) C. Norman
s.n.	1857			E	<i>Sanicula elata</i> D. Don
s.n.	1857			E	<i>Selinum wallichianum</i> (DC.) Raizada & Saxena
s.n.	1857			E	<i>Pimpinella diversifolia</i> DC. var. <i>diversifolia</i>

- s.n. 5 x 1857 K  
s.n. 5 x 1857 K
- Tokyo University**  
2781 24 vi 1960 BM,K  
2786 19 vi 1960 BM,K  
2788 19 vi 1960 BM,K  
2796 5 iv 1960 BM  
2797 31 v 1960 K  
  
6726 21 vi 1960 BM,K  
721439 4 viii 1972 BM  
726522 5 viii 1972 BM
- Trentler, W.J.**  
221 2 vii 1874 K  
222 2 vii 1874 E  
239 3 vii 1874 K  
254 6 vii 1874 E  
507 5 viii 1874 K  
572 5 viii 1874 K  
  
719 5 ix 1874 K  
755 12 ix 1874 K  
884 13 x 1874 K
- Tshering, S. & Nawang, R. (see Nawang, R. & Tshering, S.)
- Waddell, L.A.**  
53 vi 1991 K
- Wager, L.R.**  
298 26 viii 1933 K
- Watt, G.**  
5554 E  
5611 6 vi 1881 K  
5771 viii 1881 E
- Wood, J.R.I.**  
5578 12 vii 1987 E  
5587 15 vii 1987 E  
5590 17 vii 1987 BM,E  
5617 21 vii 1987 E  
  
5618 21 vii 1987 E  
5620 20 vii 1987 E  
5621 21 vii 1987 E  
  
5632 26 vii 1987 E  
5635 26 vii 1987 E
- Bupleurum candollei Wall. ex DC.  
Acronema bellum (C.B. Clarke)  
P.K. Mukh.  
  
Chaerophyllum villosum D. Don  
Oenanthe thomsonii C.B. Clarke  
Sanicula elata D. Don  
Sanicula elata D. Don  
Bupleurum dalhousieanum (C.B. Clarke)  
Koso-Pol.  
Hydrocotyle himalaica P.K. Mukh.  
Sanicula elata D. Don  
Sanicula elata D. Don  
  
Heracleum nepalense D. Don  
Hydrocotyle himalaica P.K. Mukh.  
Sanicula elata D. Don  
Oenanthe thomsonii C.B. Clarke  
Heracleum wallichii DC.  
Pimpinella diversifolia cf. var. stolonifera  
Hand.-Mazz.  
Pimpinella urceolata Banerji  
Selinum papyraceum C.B. Clarke  
Heracleum cf. sublineare C.B. Clarke
- Cortiella cortioides (C. Norman)  
M.F. Watson  
  
cf. Keryamonia  
  
Hydrocotyle nepalensis Hook.f.  
Bupleurum dalhousieanum (C.B. Clarke)  
Koso-Pol.  
Pleurospermum benthamii (DC.)  
C.B. Clarke  
  
Sanicula elata D. Don  
Heracleum sphondylium L. agg.  
Torilis japonica (Houtt.) DC.  
Hydrocotyle himalaica  
P.K. Mukh.  
Hydrocotyle nepalensis Hook.f.  
Sanicula elata D. Don  
Angelica sikkimensis (C.B. Clarke)  
P.K. Mukh.  
Angelica cyclocarpa (C. Norman) Cannon  
Heracleum nepalense D. Don

5638	26	vii	1989	E	<i>Hydrocotyle sibthorpioides</i> Lam.
5671	6	viii	1987	E	<i>Oenanthe hookeri</i> C.B. Clarke
5683	9	viii	1987	E	<i>Acronema hookeri</i> (C.B. Clarke) H. Wolff var. <i>hookeri</i>
5724	21	viii	1987	E	<i>Meeboldia digitata</i> (Kljuykov) M.F. Watson
5733	23	viii	1987	E	<i>Ligusticum acuminatum</i> Franch.
5737	24	viii	1989	E	<i>Bupleurum falcatum</i> L.
5761	29	viii	1987	E	<i>Apium graveolens</i> L.
5783	30	viii	1987	E	<i>Pimpinella diversifolia</i> var. <i>stolonifera</i> Hand.-Mazz.
5784	30	viii	1987	E	<i>Chaerophyllum villosum</i> D. Don
5798	6	ix	1987	E	<i>Cnidium bhutanicum</i> M.F. Watson
5799	6	ix	1987	E	<i>Pimpinella tibetica</i> H. Wolff
5807	6	iv	1987	E	<i>Pleurospermum apiolens</i> C.B. Clarke
5818	6	ix	1987	E	<i>Pleurospermum album</i> H. Wolff
5820	6	ix	1987	E	<i>Pleurospermum dentatum</i> (DC.) C.B. Clarke
5821	6	ix	1987	E	<i>Heracleum woodii</i> M.F. Watson
5823	13	ix	1987	E	<i>Pimpinella urceolata</i> Banerji
5825	13	ix	1987	E	<i>Selinum wallichianum</i> (DC.) Raizada & Saxena
5853	22	ix	1987	E	<i>Pleurospermopsis sikkimensis</i> (C.B. Clarke) C. Norman
5855	22	ix	1987	E	<i>Sinocarum longii</i> M.F. Watson
5864	27	ix	1987	E	<i>Pimpinella urceolata</i> Banerji
5902	2	x	1987	E	<i>Trachyspermum anethifolium</i> (D. Don) H. Wolff
5977	18	x	1987	E	<i>Angelica sikkimensis</i> (C.B. Clarke) P.K. Mukh.
6291	7	v	1988	E	<i>Heracleum obtusifolium</i> Wall. ex DC.
6443	2	vii	1988	E	<i>Carum carvi</i> L.
6450	10	vii	1988	E	<i>Pternopetalum radiatum</i> (W.W. Sm.) P.K. Mukh.
6506	24	vii	1988	E	<i>Acronema bellum</i> (C.B. Clarke) P.K. Mukh.
6520	31	vii	1988	E	<i>Chamaesium novem-jugum</i> (C.B. Clarke) C. Norman
6522	31	ix	1988	E	<i>Pleurospermum album</i> H. Wolff
6533	14		Aug. 1988	E	<i>Heracleum woodii</i> M.F. Watson
6537	14	viii	1988	E	<i>Acronema bellum</i> (C.B. Clarke) P.K. Mukh.
6540	19	viii	1988	E	<i>Lalldhwojia staintonii</i> Farille
6555	21	viii	1988	E	<i>Selinum candollei</i> DC.
6597	25	viii	1988	E	<i>Heracleum nepalense</i> D. Don
6601	28	viii	1988	E	<i>Acronema hookeri</i> (C.B. Clarke) H. Wolff var. <i>hookeri</i>
6608	28	viii	1988	E	<i>Physospermopsis obtusiuscula</i> (DC.) C. Norman
6609	28	viii	1988	E	<i>Cnidium bhutanicum</i> M.F. Watson

6612	28	viii	1988	E	<i>Pleurospermum apiolens</i> C.B. Clarke
6616	28	viii	1988	E	<i>Tordyliopsis brunonis</i> DC.
6636	2	ix	1988	E	<i>Pimpinella urceolata</i> Banerji
6684	18	ix	1988	E	<i>Heracleum sphondylium</i> L. agg.
6691	18	ix	1988	E	<i>Selinum wallichianum</i> (DC.) Raizada & Saxena
6811	12	x	1988	E	<i>Heracleum bhutanicum</i> M.F. Watson
6886	2	iv	1989	E	<i>Hydrocotyle sibthorpioides</i> Lam.
6951	4	vi	1989	E	<i>Osmorhiza aristata</i> (Thunb.) Rydb.
6993	16	vii	1989	E	<i>Heracleum nepalense</i> D. Don
7001	16	vii	1989	E	<i>Lalldhwojia staintonii</i> Farille
7018	23	vii	1989	E	<i>Chaerophyllum villosum</i> D. Don
7022	23	vii	1989	E	<i>Pternopetalum radiatum</i> (W.W. Sm.) P.K. Mukh.
7023	23	vii	1989	E	<i>Lalldhwojia staintonii</i> Farille
7024	29	vii	1989	E	<i>Heracleum nepalense</i> D. Don
7034	29	vii	1989	E	<i>Heracleum obtusifolium</i> DC
7058	8	viii	1989	E	<i>Heracleum sublineare</i> C.B. Clarke
7065	8	viii	1989	E	<i>Sinocarum sikkimense</i> (P.K. Mukh.) P.K. Mukh. & Constance
7071	8	viii	1989	E	<i>Chamaesium novem-jugum</i> (C.B. Clarke) C. Norman
7073	8	viii	1989	E	<i>Cortia depressa</i> (D. Don) C. Norman
7075	9	viii	1989	E	<i>Heracleum sphondylium</i> L. agg.
7076	9	viii	1989	E	<i>Meeboldia digitata</i> (Kljuykov) M.F. Watson
7083	13	viii	1989	E	<i>Centella asiatica</i> (L.) Urb.
7086	13	viii	1989	E	<i>Pimpinella urceolata</i> Banerji
7093	20	viii	1989	E	<i>Selinum candollei</i> DC.
7097	20	viii	1989	E	<i>Heracleum sphondylium</i> L. agg.
7098	20	viii	1989	E	<i>Ligusticum acuminatum</i> Franch.
7102	20	viii	1984	E	<i>Vicatia coniifolium</i> DC.
7112	20	viii	1989	E	<i>Selinum wallichianum</i> (DC.) Raizada & Saxena
7113	20	viii	1989	E	<i>Angelica cyclocarpa</i> (C. Norman) Cannon
7117	26	viii	1989	E	<i>Physospermopsis obtusiuscula</i> (DC.) C. Norman
7124	27	viii	1989	E	<i>Cortia depressa</i> (D. Don) C. Norman
7125	27	viii	1989	E	<i>Physospermopsis obtusiuscula</i> (DC.) C. Norman
7126	27	viii	1989	E	<i>Pleurospermopsis sikkimensis</i> (C.B. Clarke) C. Norman
7129	27	viii	1989	E	<i>Pleurospermum amabile</i> Craib & W.W. Sm.
7130	27	viii	1989	E	<i>Cortiella cortioides</i> (C. Norman) M.F. Watson
7132	27	viii	1989	E	<i>Pleurospermum dentatum</i> (DC.) C.B. Clarke
7138	27	viii	1989	E	<i>Heracleum woodii</i> M.F. Watson

7143	3	ix	1989	E	<i>Angelica sikkimensis</i> (C.B. Clarke) P.K. Mukh.
7146	3	ix	1989	E	<i>Heracleum nepalense</i> D. Don
7149	3	ix	1989	E	<i>Selinum candollei</i> DC.
7152	3	ix	1989	E	<i>Ligusticum acuminatum</i> Franch.
7158	8	ix	1989	E	<i>Heracleum bhutanicum</i> M.F. Watson
7161	8	ix	1989	E	<i>Pimpinella diversifolia</i> var. <i>stolonifera</i> Hand.-Mazz.
7162	8	ix	1989	E	<i>Chaerophyllum villosum</i> D. Don
7166	10	ix	1989	E	<i>Selinum candollei</i> DC.
7169	10	ix	1989	E	<i>Sinocarum sikkimense</i> (P.K. Mukh.) P.K. Mukh. & Constance
7174	17	ix	1989	E	<i>Ligusticum elatum</i> (Edgew.) C.B. Clarke
7178	24	ix	1989	E	<i>Sinocarum wolffianum</i> (Fedde) P.K. Mukh. & Constance
7179	24	ix	1989	E	<i>Pleurospermum apiolens</i> C.B. Clarke
7183	24	ix	1989	E	<i>Schulzia bhutanica</i> M.F. Watson
7230		xi	1989	E	<i>Pleurospermum pilosum</i> H. Wolff
7256	6	vi	1990	E	<i>Carum carvi</i> L.
7272	27	vi	1990	E	<i>Heracleum obtusifolium</i> Wall. ex DC.
7275	15	vii	1990	E	<i>Physospermopsis obtusiuscula</i> (DC.) C. Norman
7276	15	vii	1990	E	<i>Physospermopsis obtusiuscula</i> (DC.) C. Norman
7277	24	vii	1990	E	<i>Physospermopsis kingdon-wardii</i> (H. Wolff) C. Norman
7278	24	vii	1990	E	<i>Bupleurum gracillimum</i> Klotzsch
7281	24	vii	1990	E	<i>Carum carvi</i> L.
7282	24	vii	1990	E	<i>Tordyliopsis brunonis</i> DC.
7303	12	viii	1990	E	<i>Selinum wallichianum</i> (DC.) Raizada & Saxena
7304	12	viii	1990	E	<i>Selinum candollei</i> DC.
7305	12	viii	1990	E	<i>Heracleum woodii</i> M.F. Watson
7307	12	viii	1990	E	<i>Pleurospermum apiolens</i> C.B. Clarke
7309	12	viii	1990	E	<i>Sinocarum sikkimense</i> (P.K. Mukh.) P.K. Mukh. & Constance
7310	12	v	1990	E	<i>Cortia depressa</i> (D. Don) C. Norman
7313	19	viii	1990	E	<i>Sinocarum longii</i> M.F. Watson
7315	19	viii	1990	E	<i>Heracleum woodii</i> M.F. Watson
7322	2	ix	1990	E	<i>Selinum wallichianum</i> (DC.) Raizada & Saxena
7323	2	ix	1990	E	<i>Selinum candollei</i> DC.
7325	2	ix	1990	E	<i>Pimpinella urceolata</i> Banerji
7326		ix	1990	E	<i>Sinocarum sikkimense</i> (P.K. Mukh.) P.K. Mukh. & Constance
7330	18	ix	1990	E	<i>Cortia depressa</i> (D. Don) C. Norman
7332	18	ix	1990	E	<i>Schulzia dissecta</i> (C.B. Clarke) C. Norman
7335	18	ix	1990	E	<i>Schulzia bhutanica</i> M.F. Watson
7336	18	ix	1990	E	<i>Tongoloa loloensis</i> (Franch.) H. Wolff

7338	18	ix	1990	E	Acronema bellum (C.B. Clarke) P.K. Mukh.
7339	18	ix	1990	E	Selinum candollei DC.
7342	18	ix	1990	E	Meeboldia digitata (Kljuykov) M.F. Watson
7343	22	ix	1990	E	Pleurospermum pilosum H. Wolff
7346	10	x	1990	E	Oenanthe javanica (Blume) DC.
7371	16	iii	1991	E	Centella asiatica (L.) Urb.
7390	22	vii	1991	E	Pimpinella diversifolia var. stolonifera Hand.-Mazz.
7392	25	vii	1991	E	Oenanthe thomsonii C.B. Clarke
7396	4	viii	1991	E	Sinocarum longii M.F. Watson
7398	4	viii	1991	E	Pleurospermopsis sikkimensis (C.B. Clarke) C. Norman
7402	4	viii	1991	E	Cortia depressa (D. Don) C. Norman
7403	4	viii	1991	E	Bupleurum gracillimum Klotzsch
7406	4	viii	1991	E	Acronema tenerum (DC.) Edgew.
7407	4	viii	1991	E	Physospermopsis obtusiuscula (DC.) C. Norman
7409	4	viii	1991	E	Sinocarum sikkimense (P.K. Mukh.) P.K. Mukh. & Constance
7411	4	viii	1991	E	Selinum wallichianum (DC.) Raizada & Saxena
7425	5	viii	1991	E	Acronema tenerum (DC.) Edgew.
7427	5	viii	1991	E	Bupleurum candollei Wall. ex DC.
7429	5	viii	1991	E	Selinum candollei DC.
7430	5	viii	1991	E	Meeboldia digitata (Kljuykov) M.F. Watson
7432	18	viii	1991	E	Cnidium bhutanicum M.F. Watson
7433	18	viii	1991	E	Physospermopsis obtusiuscula (DC.) C. Norman
7437	18	viii	1991	E	Acronema tenerum (DC.) Edgew.
7437a	18	viii	1991	E	Acronema hookeri (C.B. Clarke) H. Wolff var. hookeri
7437b	18	viii	1991	E	Acronema hookeri var. graminifolium (W.W. Sm.) H. Wolff
7438	18	viii	1991	E	Pimpinella urceolata Banerji
7440	25	viii	1991	E	Sinocarum woodii M.F. Watson
7441	25	viii	1991	E	Chamaesium novem-jugum (C.B. Clarke) C. Norman
7442	25	viii	1991	E	Schulzia dissecta (C.B. Clarke) C. Norman
7443	25	viii	1991	E	Sinocarum sikkimense (P.K. Mukh.) P.K. Mukh. & Constance
7444	20	viii	1991	E	Heracleum woodii M.F. Watson
7445	25	viii	1991	E	Sinocarum sikkimense (P.K. Mukh.) P.K. Mukh. & Constance
7446	26	viii	1991	E	Sinocarum wolffianum (Fedde) P.K. Mukh. & Constance
7448	26	viii	1991	E	Sinocarum longii M.F. Watson
7449	26	viii	1991	E	Sinocarum sikkimense (P.K. Mukh.) P.K. Mukh. & Constance



7453	14	ix	1991	E	<i>Pimpinella urceolata</i> Banerji
7457	21	ix	1991	E	<i>Cortia depressa</i> (D. Don) C. Norman
7458	21	ix	1991	E	<i>Acronema bellum</i> (C.B. Clarke) P.K. Mukh.
7459	21	ix	1991	E	<i>Sinocarum sikkimense</i> (P.K. Mukh.) P.K. Mukh. & Constance
7460	21	ix	1991	E	<i>Schulzia bhutanica</i> M.F. Watson
7466	29	ix	1991	E	<i>Hydrocotyle nepalensis</i> Hook.f.
7473	18	x	1991	E	<i>Pimpinella urceolata</i> Banerji
7497	7	xi	1991	E	<i>Oenanthe javanica</i> (Blume) DC.
7500	8	xi	1991	E	<i>Bupleurum falcatum</i> L.
7564	9	viii	1992	E	<i>Pimpinella diversifolia</i> var. <i>stolonifera</i> Hand.-Mazz.
7565	16	viii	1992	E	<i>Meeboldia digitata</i> (Kljuykov) M.F. Watson
7567	28	viii	1992	E	<i>Cnidium bhutanicum</i> M.F. Watson
7568	29	viii	1992	E	<i>Physospermopsis obtusiuscula</i> (DC.) C. Norman
7570	29	viii	1992	E	<i>Acronema pseudotenerum</i> P.K. Mukh
7572	29	viii	1992	E	<i>Heracleum woodii</i> M.F. Watson
7579	20	ix	1992	E	<i>Pimpinella urceolata</i> Banerji
7584	22	ix	1992	E	<i>Selinum wallichianum</i> (DC.) Raizada & Saxena

**Younghusband, F.E. (& Walton, H.F.)**

s.n.	6	vii	1903	K	<i>Carum carvi</i> L.
s.n.	10	vii	1903	K	<i>Cortia depressa</i> (D. Don) C. Norman
117	21	vii	1903	E,K	<i>Chamaescidium subnudum</i> (H. Wolff) C. Norman
140	26	vii	1903	K	<i>Chamaescidium subnudum</i> (H. Wolff) C. Norman
175	28	vii-8	viii	[CAL],K,US	<i>Cortiella hookeri</i> (C.B. Clarke) C. Norman
s.n.		ix	1903	K	<i>Chaerophyllum villosum</i> D. Don
s.n.		ix	1903	K	<i>Bupleurum candollei</i> Wall. ex DC.
310	7	ix	1903	[CAL],K	<i>Chamaescidium subnudum</i> (H. Wolff) C. Norman
s.n.		vii	1904	K	<i>Bupleurum marginatum</i> Wall. ex DC.