

NEW NAMES IN *SELAGO*. 4

O. M. HILLIARD*

Twenty-six species and one subspecies are newly described (mainly from South Africa, two from Namibia, one species and one subspecies from Zimbabwe) and two new combinations are made (Zimbabwe).

Keywords. Namibia, new combinations, new species, South Africa, Zimbabwe.

This is the fourth in a series of notes validating new names and combinations in *Selago* prior to a revision of the genus.

***Selago acocksii* Hilliard, sp. nov.** a *S. tenui* E. Mey. foliis omnino minute glanduloso-puberulis (nec glanduloso-punctatis, pilis paucis acutis interdum praesentibus), bracteis externe omnino glanduloso-puberulis, pilis ad 0.2–0.3mm longis interdum praesentibus, marginibus pilis 0.25–0.6mm praeditis (nec externe glandulis globosis paucis dispersis praeditis, marginibus inferioribus pilis paucis 0.15–0.2mm interdum praeditis), calyce externe (et in marginibus) pubescente, pilis c.0.2–0.4mm longis, etiam minutissime glanduloso (nec pilis 0.15–0.2mm longis ad margines restrictis externe glandulis globularibus minutis tantum dispersis), corollae tubo 1.7–3.2mm longo (nec 3.2–3.6mm) differt.

Type: South Africa, [3123 BD], Cape, 17 miles west of Richmond, c.4500ft, 25 iii 1952, *Acocks* 16342 (holo. BOL; iso. K, PRE).

Syn.: *S. zeyheri* Rolfe in Fl. Cap. 5(1): 147 (1901) non Choisy (1848). Lectotype (chosen here): South Africa, Cape, [c.3321 B], Gamka River, *Burke* s.n. (K, isolecto. SAM).

***Selago anatrachota* Hilliard, sp. nov.** a *S. goetzei* subsp. *ambigua* Hilliard (vide infra) pilis in caule sursum curvatis (nec patentibus nec retrorsis), pilis pedicellatis glandulosis a caule absentibus, foliis vel glabris vel pilis paucis acutis ad margines et costam restrictis (nec pilis acutis cum aliis glandulosis utrinque indutis), corollae tubo 1.8–2mm longo (nec 2.2–3.4mm) distincta.

Type: Zimbabwe, Chimanimani Mountains, mountain hut, 5600ft, 27 v 1959, *Noel* 2031 (holo. SRGH).

***Selago angustibractea* Hilliard, sp. nov.** a *S. lepida* Hilliard pilis in foliis bracteis calyce recurvis (nec patentibus), racemis solitariis vel laxe paniculatis (nec in paniculas longas angustas dispositis), bracteis plerumque longioribus (infimis 2.5–4.5mm,

* Royal Botanic Garden Edinburgh, 20A Inverleith Row, Edinburgh EH3 5LR, UK.

nec 1.5–3mm), calyce plerumque longiore (2–2.7mm nec 1.2–2mm), corollae tubo plerumque longiore (3–5mm, nec 2–3.3mm), limbo albo (nec violaceo) differt.

Type: Namibia, 2715 DD, east foot of the Buchberge, 12 vii 1929, *Dinter* 6515 (holo. M; iso. E, NBG, PRE, S).

This is one of the species confused with *S. albida* Choisy in *Prodr. Fl. S.W. Afr. fam.* 127: 4 (1967).

Selago cedrimontana Hilliard, **sp. nov.** a *S. mundii* Rolfe caulibus glanduloso-puberulis cum pilis patentibus ad 0.3–0.7mm longis (nec pilis retrorsis eglandulosis c.0.1–0.2mm, glandulis minutis, si adsentibus, ad partes superiores restrictis), foliis maximis c.1.5–2.2mm (nec 0.8–1.2mm) latis pilis dispersis 0.25–0.6mm longis (nec glabris vel pilis ad 0.1–0.2mm) differt. A *S. micradenia* Hilliard ramis \pm virgatis (nec \pm divaricatis), caulibus pilis acutis patentibus c.0.3–0.7mm indutis (nec pilis retrorsis ad c.0.1mm longis), foliis ascendentibus (nec late patentibus) pilis dispersis ad 0.25–0.6mm longis (nec glabris vel pilis ad c.0.1mm longis), calyce c.3.5–4mm longo (nec 2.5–3mm) distinguitur.

Type: South Africa, Cape, 3219 AA, Cedarberg, Sneeuwkop, 5000ft, 12 ii 1936, *Compton* 6260 (holo. NBG).

Selago centralis Hilliard, **sp. nov.** a *S. geniculata* L.f. foliis primariis maximis 1.1–2mm latis (nec 0.5–1.1mm) minute scabridulis saltem in marginibus (nec glabris basi amplexicauli excepta), bracteis dorso \pm scabridulis saltem in carina (nec glabris), tubo corollae florum hermaphroditorum plerumque 3–3.8mm longo (nec 2–2.5mm), limbo c.4–5mm trans lobos laterales (nec 2.8–3.5mm), filamentis omnibus longioribus (c.2.5–3.3mm nec 1.8–2.2mm), coccis 2–2.3 \times 1.2–1.7mm (nec 1.2–1.7 \times 0.8–1.1mm) differt.

Type: South Africa, Cape, 3223 AA, Nelspoort, 22 iii 1953, *Martin* 950 (holo. NBG).

Selago comptonii Hilliard, **sp. nov.** a *S. magnakarooica* Hilliard (vide infra) foliis omnino dense puberulis (nec pilis minutissimis dispersis indutis), spicis plerumque laxe paniculatis (nec semper solitariis), bracteis omnino dense puberulis (nec pilis dispersis, in marginibus et dorso ad bases praecipue conspicuis), corolla varie violacea (nec alba) distinguenda.

Type: South Africa, Cape, 3321 DA, Roodeberg, 24 iii 1940, *Compton* 8678 (holo. NBG, iso. BOL).

Selago diabolica Hilliard, **sp. nov.** a *S. magnakarooica* Hilliard (vide infra) foliis paulo latioribus (maximis 1.2–1.7mm latis, nec 1–1.3mm) et minutissime glandulosis (nec scabridulis), bracteis plerumque longioribus (4.2–4.5mm, nec 2–4.2mm) omnino minutissime glandulosis (nec externe et in marginibus pilis conspicuis acutis indutis), calyce extra minute glanduloso tantum (nec pilis acutis c.0.15–0.2mm longis), corollae tubo 4–5mm longo (nec 2.7–3.5mm) differt.

Type: South Africa, Cape, Richtersveld, 2816 BD, Hellskloof, 6 x 1991, *Germishuizen* 5458 (holo. PRE).

Selago esterhuyseniae Hilliard, **sp. nov.** a *S. nigromontana* Hilliard foliis (primariis maximis 0.8–1.1mm latis, nec 1.5–2mm) omnino minutissime glanduloso-puberulis (nec glanduloso-punctatis tantum), bracteis infimis 3–3.4 × 0.8–1mm (nec 3.3–5.7 × 0.9–1.2mm) utrinque omnino minutissime glanduloso-puberulis, pilis acutis in marginibus 0.4–0.6mm longis (nec pilis marginalibus 0.15–0.25mm exceptis glabris), calyce 1.2–1.5mm longo (nec 2.2–3.7mm) pilis ad 0.6–0.7mm (nec 0.15–0.2mm) induto, corollae tubo 2.2–3mm (nec 4–6mm) longo distinguitur.

Type: South Africa, Cape, 3321 BD, Swartbergen below Toverkop, 6500ft, 23 iv 1951, *Esterhuysen* 18528 (holo. BOL, iso. PRE).

Selago exigua Hilliard, **sp. nov.** a *S. acocksii* Hilliard (vide supra) foliis glanduloso-punctatis alioquin pilis paucissimis minutis in marginibus basis amplectentis exceptis glabris (nec pilis minutis glandulosis ubique dispersis), bracteis pilis paucis acutis ad 0.15mm longis in marginibus inferioribus indutis alioquin glandulis minutis globularibus paucis in dorso ad basin versus exceptis glabris (nec pilis acutis 0.15–0.4mm longis in marginibus et saepe in dorsis etiam et pilis glandulosis minutis ubique indutis), calyce pilis in marginibus c.0.1mm longis (nec 0.2–0.5mm) et pilis paucis c.0.1mm longis postice externeque induto (nec pilis ubique 0.1–0.3mm longis) distinguenda.

Type: South Africa, Cape, 3322 AC, Zwartberg Pass, 2500ft, 24 i 1941, *Bond* 853 (holo. NBG).

Selago farrago Hilliard, **sp. nov.** a *S. glabrata* Choisy panicula composita (nec simplice), bracteis usque ad 0.6–0.7mm latis (nec 1–1.2mm) pilis in marginibus 0.2–0.25mm longis (nec 0.1mm) in dorso 0.1mm longis dispersis (nec glabris), calyce externe puberulo, pilis c.0.15mm longis (nec pilis in marginibus loborum exceptis glabris vel fere glabris) distinguenda.

Type: South Africa, Namaqualand, 3018 AC, Kamiesberg, c.3000ft, 19 ix 1957, *Acocks* 19516 (holo. PRE).

Selago fourcadei Hilliard, **sp. nov.** a *S. distante* E. Mey. pilis in caule brevioribus (minus quam 0.1mm nec usque ad 0.15mm), foliis primariis maximis 6–15mm longis (nec 2.5–9mm), glandulis immersis foliorum haud exudentibus (in *S. distante* exudentibus), calyce 1.8–2.2mm longo (nec 2–3mm) pilis 0.1–0.15mm et glandulis globularibus externe indutis (nec glandulis globularibus tantum vel raro pilis paucis in carinis indutis) corolla varie violacea vel in alabastro alba violaceo-tincta (nec candidissima) distinguitur.

Type: South Africa, Cape, [3323 CA], 14–15 miles from Uniondale on road to Willowmore, 2400ft, x 1930, *Fourcade* 4377 (holo. BOL, iso. NBG).

Selago goetzei Rolfe subsp. **ambigua** Hilliard, **subsp. nov.** pilis in caule plus minusve patentibus (nec retrorsis) acutis cum aliis pedicellatis glandulosis intermixtis, pilis glandulosis (nec glandulis sessilibus globularibus) etiam in foliis bracteis calycibus praesentibus (nec pilis acutis tantum) glandulis globularibus sessilibus in bracteis calycibusque etiam intermixtis distincta.

Type: Zimbabwe, Mt Peni [19°59'S 32°55'E], 5700ft, vi 1968, *Goldsmith* 79/68 (holo. K; iso. BR, LISC, MO).

Syn: *Walafrida goetzei* (Rolfe) Brenan var. *pubescentior* Brenan in Mem. N.Y. Bot. Gard. 9: 33 (1954). Type: Zimbabwe, Chimanimani Mountains, Bonde Valley, 5 vi 1949, *Wild* 2859 (holo. K, iso. SRGH).

Selago impedita Hilliard, **sp. nov.** a *S. scabrida* Thunb. habitu, caulibus laxe multiramosis, debilibus, prostratis vel suberectis (nec rigide virgatis), pilis caulinis 0.1–0.2mm longis (nec 0.3–0.5mm), foliis haud fasciculatis (nec tenuiter vel valde fasciculatis) glabris vel pilis paucis marginalibus instructis (nec pilis 0.2–0.5mm longis in marginibus et interdum in pagina inferiore indutis), spicis plerumque solitariis (nec plerumque in corymbos aggregatis), bracteis dorso aut glabris aut pilis paucis in carina instructis (nec in dorso toto pilosis) differt.

Type: South Africa, Cape, mountains north of French Hoek Pass, 25 i 1933, *Pillans* 6744 (holo. BOL, iso. K).

Selago inaequifolia Hilliard, **sp. nov.** a *S. verna* Hilliard (vide infra) pilis in caule ± patentibus (nec distincte recurvis), foliis 8–20 × 0.7–1.1mm (nec 2.5–8 × 1.1–2mm) utrinque pilis acutis tantum indutis (nec glandulis minutis globularibus pilis acutis intermixtis), pilis in marginibus bractearum et calycis loborum plerumque brevioribus (0.1–0.15mm nec 0.15–3mm) differt. A *S. multiflora* Hilliard ramis virgatis (nec divaricatis), pilis in caule ± patentibus (nec distincte recurvis), foliis primariis maximis 8–20mm longis (nec 1–6mm) distinguenda.

Type: South Africa, Cape, 3118 DC, Klawer, 20m, 1 ix 1988, *Batten* 858 (holo. E).

Selago kurtdinteri Hilliard, **sp. nov.** a *S. geniculata* Thunb. foliis primariis maximis latioribus (1.2–3mm nec 0.5–1.1mm), bracteis plerumque angustioribus (infimis 0.4–0.6mm latis, nec 0.6–1mm), ad apicem acutum sensim (nec abrupte) attenuatis, basi haud vel vix saccatis nec rugosis (nec conspicue saccatis et transverse rugosis), calyce plerumque 5-lobato (nec saepe 3-lobato) distinguenda.

Type: Namibia, Nordbastartland, farm Goellschau, 19 xi 1934, *Dinter* 7979 (holo. M; iso. BOL, PRE, S, Z).

Syn: *Walafrida paniculata* auct. non (Thunb.) Rolfe; *Merxmüller & Roessler*, Prodr. Fl. S.W. Afr. 127: 6 (1967).

Selago levynsiae Hilliard, **sp. nov.** a *S. scabra* Thunb. ramis divaricatis (nec virgatis), foliis haud vel vix fasciculatis et saepe latioribus (1.2–2mm nec 1–1.3mm), spicis plerumque solitariis (nec plerumque in corymbos dispositis), corollae tubo 4.5–7mm

longo (nec 4–5mm), corolla externe puberula (nec glabra pilis paucissimis glandulosis exceptis) differt.

Type: South Africa, Cape, 3418 AB, kopje to west of Redhill, 1200ft, 9 ii 1936, *Levyns* 5613 (holo. BOL).

This is the plant designated *S. scabrida* in Adamson & Salter, *Flora of the Cape Peninsula* (1950: 723). Mrs Levyns redescribed *S. scabrida* as *S. cylindrica* Levyns.

Selago magnakarooica Hilliard, **sp. nov.** a *S. centrali* Hilliard (vide supra) foliis non fasciculatis (in *S. centrali* fasciculatis), in sicco nigrescentibus (nec virescentibus), foliis primariis maximis c.1–1.3mm latis (nec 1.1–2mm), inflorescentia primo globulari (nec elongata), bracteis plerumque angustioribus (0.6–0.8mm latis, nec 0.8–1.2mm), corolla alba (nec varie violacea), filamentis anticis 2–2.5mm longis (nec 2.7–3.3mm) differt.

Type: South Africa, Cape, 3125 AC, Middelburg, c.4200ft, 29 xii 1956, *Acocks* 19140 (holo. PRE).

Selago micradenia Hilliard, **sp. nov.** a *S. mundii* Rolfe caulibus divaricatim multiramosis (nec virgatim pauciramosis), foliis late patentibus (nec acute ascendentibus in parte superiore intendum ± patentibus), calyce 2.5–3mm longo (nec 3–3.8mm), corollae limbo 3.5–5mm trans lobos laterales (nec 6–6.5mm), filamentis posticis c.1mm longis, antheris in ore corollae positis (nec 1.5–2.2mm longis, antheris breviter exsertis) distinguitur.

Type: South Africa, Clanwilliam div., [3219 CC], Grasruggens Mountain, 26 xi 1938, *Pillans* 8769 (holo. BOL; iso. NBG, PRE).

Selago multiflora Hilliard, **sp. nov.** a *S. divaricata* L.f. cortice fusco (nec pallido), foliis ubique conspicue puberulis pilis c.0.1mm longis haud glanduloso-punctatis (nec glanduloso-punctatis pilis minutissimis minusquam 0.1mm longis sparsis vel praesentibus vel absentibus), bracteis maximis plerumque 2.2–3.2mm longis (nec 1.4–2.4mm) pilis sparsis acutis externe praeditis (nec pilis acutis simul cum aliis glandulosis) corollae tubo 2.3–3.8mm longo (nec 1.3–2.4mm) distinguitur.

Type: South Africa, Cape, Cedarberg, 3219 CB, Breekkransfontein, c.900m, 15 ix 1983, *Taylor* 10657 (holo. NBG, iso. PRE).

Selago persimilis Hilliard, **sp. nov.** a *S. albida* Choisy paniculis angustis congestis e racemis densis sessilibus vel brevissime pedunculatis, pedunculis dense foliatis (nec racemis pedunculis parce foliatis c.20–40mm longis et laxe paniculatis) bracteis maximis 1.1–1.5mm latis (nec 0.7–1mm) differt. A *S. bolusii* Rolfe foliis omnino pilis minutis dispersis indutis (nec, marginibus basi exceptis, glabris), bracteis externe ubique puberulis (nec pilis paucis ad basin exceptis glabris) distinguenda.

Type: South Africa, Cape, 3124 DA, Vlakplaats [Vlakplaas], x 1914, *Bolus* 13825 (holo. BOL; iso. PRE, Z).

Selago praetermissa Hilliard, **sp. nov.** a *S. psammophila* Hilliard (vide infra) foliis primariis maximis 1.2–2mm latis (nec 1–1.4mm), spicis tempore florendi (haud fructiferis) c.15–25 × 15mm (nec 30–40 × 10–12mm), bracteis infimis 1.2–1.25mm latis (nec 0.7–1.2mm), pilis glandulosis paucis ad basin exteriorem bractearum restrictis (nec omnino dense glanduloso-puberulis nec pilis longis acutis etiam praeditis), calyce 3–3.7mm longo (nec 2.7–3.2mm) pilis 0.15–0.25mm longis (nec 0.2–1mm longis) indutis differt.

Type: South Africa, 3119 CA, Lokenburg, c.2300ft, 14 x 1953, *Acocks* 17409 (holo. PRE, iso. SRGH).

Selago psammophila Hilliard, **sp. nov.** a *S. polystachya* L. caulibus omnino pilosis (nec pilis in lineis longitudinalibus tantum), foliis haud vel vix fasciculatis, bracteis dorso glandulis parvis sub pilis crassis (nec pilis crassis tantum), corolla saepe extra puberula (nec semper glabra) distinguenda.

Type: South Africa, Cape, 3218 CB, Klein Klipfontein, c.15m, 19 xi 1970, *Acocks* 24456 (holo. K; iso. MO, PRE, SRGH, Z).

Selago rubromontana Hilliard, **sp. nov.** a *S. brevifolia* Rolfe coccis in facie interiore plus minusve planis (nec profunde concavis), bracteis vel dorso glabris (glandulis minutis globularibus exceptis) vel basi pilis ad 0.1mm longis (nec pilis 0.2–0.25mm longis) indutis, foliis obtusis vel subacutis (nec acutis et acute apiculatis) differt.

Type: South Africa, Cape, 3321 DA, Rooiberg, 579m, 22 xi 1983, *Marshall* 224 (holo. NBG, iso. PRE).

Selago seticaulis Hilliard, **sp. nov.** a *S. levynsiae* Hilliard (vide supra) caulibus pilis patentibus (nec retrorsis) 0.2–0.8mm longis (nec 0.15–0.25mm) indutis, foliis utrinque pilosis (nec pilis praecipue ad margines) corolla extra glabra vel glandulis minutissimis (nec distincte pubescentibus) differt.

Type: South Africa, Cape, 3419 AB, Caledon, 1000ft, x 1899, *Bolus* 9163 (holo. BOL).

Selago stenostachya Hilliard, **sp. nov.** a *S. inaequifolia* Hilliard (vide supra) pilis in caule retrorsis (nec ± patentibus), foliis glanduloso-punctatis (nec glandulis punctatis absentibus) utrinque sparsim pilosis sed praecipue in marginibus (nec dense puberulis), bracteis angustioribus (maximis 0.4–1mm latis, nec 1.2–1.4mm) et minus dense pubescentibus, corollae tubo 1.8–2.7mm (nec 3–4mm), filamentis anticis 1.8–2.2mm longis (nec 3–3.5mm) differt.

Type: South Africa, Cape, 3118 DC, near Klaver, 7 ix 1949, *Steyn* 403 (holo. NBG).

Selago swynnertonii (S. Moore) Hilliard, **comb. nov.**

Type: Zimbabwe, Nyahodi River, 5000ft, iv 1907, *Swynnerton* 2135 (holo. BM, iso. K).

Syn.: *Walafrida swynnertonii* S. Moore in J. Linn. Soc. Bot. 40: 165 (1911).

***Selago swynnertonii* var. *leiophylla* (Brenan) Hilliard, comb. nov.**

Type: Zimbabwe, Inyanga, 21 i 1948, *Chase* 693 (holo. K).

Syn.: *Walafrida swynnertonii* var. *leiophylla* Brenan in Mem. N.Y. Bot. Gard. 9: 33 (1954).

***Selago thermalis* Hilliard, sp. nov.** a *S. distante* E. Mey. ob caules pilis in fascias longitudinales dispositis (nec omnino pilosos), ob folia haud vel vix fasciculata (nec valde fasciculata), ob spicas apicales in ramulis brevibus foliatis divaricatis (nec plerumque laxe paniculatas, ramulis acute ascendentibus) differt.

Type: South Africa, Cape, 3320 DD, c.18 miles from Barrydale on road to Ladismith, Warmwaterberg, 21 vi 1963, *Taylor* 4876 (holo. NBG, iso. PRE under 4877).

***Selago verna* Hilliard, sp. nov.** a *S. multiflora* Hilliard (vide supra) ramis virgatis (nec divaricatis), foliis primariis maximis 1.1–2.2mm latis (nec 0.5–1mm), glandulis globularibus minutis inter pilos acutos foliorum bractearumque dispersis (nec glandulis globularibus carentibus) differt.

Type: South Africa, Cape, 3018 CA, Groenkloof Pass, 1100m, 30 viii 1988, *Batten* 876 (holo. E, iso. S).

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