

## The Type Specimens of George Edward Post in Beirut and Geneva

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**Abstract:** George Edward Post described 221 taxa from Syria and adjacent regions in the late 1890s. Of these, types for 147 have been located, 77 at G and 70 at BEI.

**Key Words:** Lebanon, Syria, Middle East.

### Introduction

George Edward Post (1838-1909) wrote the first modern local flora of the Middle East (1896) while a professor of surgery at the Syrian Protestant College in Beirut, now the American University of Beirut (AUB). A prolific writer, Post published broadly in the areas of natural history, medicine, and theology (Musselman, ined, see also <http://www.odu.edu/webroot/instr/sci/plant.nsf/pages/georgeedwardpost>) and formally described 221 taxa. Most of these appeared in *Plantae Postianae*, a series of publications linked with the Boissier Herbarium in Geneva (Post, 1890, 1891, 1892, 1892b, 1900; Post & Autran 1893, 1893b, 1895, 1897, 1899, abbreviated PP in this paper), and in the *Linnean Society Journal* (Post 1888), abbreviated LS. *Nomina nuda* abound in his notes and collection and are not recorded here.

His own collections as well as others obtained by exchange comprise his herbarium at the AUB in Beirut, Lebanon. Recently, the AUB administration has committed to providing a new location for this valuable collection (BEI). In preparation for this, we have searched BEI for type specimens. Because of Post's close association with Geneva, we have searched this herbarium (G). In addition to G and BEI, Post deposited some specimens at BM (Post, 1888). Post participated in an extensive exchange programme with Horace Mann, Jr. (son of the well known founder of public education in the United States) (Musselman, unpublished) which ensured

the wide distribution of Post's collections to North American and other herbaria. Synonyms listed with types are not exhaustive.

### Types of Post at BEI and G

*Achillaea shepardii* Post LS: 433.

*Aegialophila cretica* Boiss. et Held. var. *alpina* Post PP X: 96. No types found.

*Aethionema gileadense* Post LS: 433.

*Aethionema longistylum* Post LS: 421. BEI, G?

*Alcea acaulis* Ca. var. *longipes* Post LS:424 [= *Alcea acaulis* (Cav.) Alef. var. *acaulis*] LS: 424. No types found.

*Alkanna megacarpa* A.DC. var. *shattuckia* Post LS: 436.

*Alkanna orientalis* L. var. *integrifolia* Post LS: 436. BEI, G?

*Allium karyetenii* Post PP VII: 165. G.

*Allium makmelianum* Post PP III: 18. No types at BEI or G.

*Alopecurus anthoxanthoides* Boiss. var. *alatus* Post PP VII: 166. BEI.

*Alopecurus involuocratus* Post LS: 440-441.

*Alsine setacea* Thuill. var. *puberulenta* Post PP: VII: 154. No types found.

*Anchusa aucheri* Alph. DC. var. *brunneo-purpurea* Post PP VII:160. BEI.

- Anchusa palmyrensis* Post PP: IV: 9. BEI.  
*Anchusa shattuckii* Post LS: 435-436. BEI.  
*Anchusa tiberiadis* Post PP: IV: 9-10. BEI.  
*Anthemis flabellata* Post PP V: 9. No types found.  
*Arenaria graveolens* Schreb. var. *minuta* Post LS: 423.  
No types found.  
*Asparagus lownei* Baker var. *calcaratus* Post LS: 440.  
G.  
*Asperula dissitiflora* Post LS: 432.  
*Asperula dissitiflora* Post LS: 436 (= *Galium humifusum* Bieb.). G.  
*Asphodeline recurva* Post PP VII: 166. G, with pencil drawing.  
*Aster austrani* Post PP: VII: 158 (= *Aster laevis* L.) G.  
*Astragalus antiochianus* Post= PP VIII: 756. G.  
*Astragalus barbeyanus* Post PP V: 5. G.  
*Astragalus cruciatus* Link. var. *brevipes* Post PP III: 7.  
(= *Astragalus tadmorensis* Eig and Sam.) G.  
*Astragalus exiguus* Post PP III: 7. G.  
*Astragalus mitchellii* Post PP I: 7. BEI.  
*Astragalus palmyrensis* Post PP I: 6. BEI.  
*Astragalus scizopterus* Boiss. var. *major* Post PP VII: 156. BEI.  
*Astragalus shephardi* Post PP IV: 5. BEI, there are five numbers in the folder- 6969, 6970, 6971, 6972, apparently all type material.  
*Astragalus trachoniticus* Post LS: 426.  
*Ballota antilibanotica* Post PP II: 20. G.  
*Bellevalia densiflora* Boiss. var. *longipes* Post PP I: 14.  
No types found.  
*Bellevalia ciliata* Cyr. var. *paniculata* Post LS: 440.  
*Bellevalia longipes* Post PP VII: 165. G.  
*Bellevalia millingeni* Post PP X: 101. No types found.  
*Brassica hilarionis* Post PP X: 90. No types found.  
*Bupleurum antiochium* Post LS: 427.  
*Bupleurum boissieri* Post LS: 426-427. BEI, there are several specimens, Post 8592, 8590, 8501, apparently all type material. G.  
*Calamintha staminea* Boiss. var. *pilosa* Post PP VII: 162. No types found.  
*Calamintha troodii* Post [= *Acinos troodi* (Post) Leblebici in Bitki] PP X: 97. No types found.  
*Campanula amaslae* Post LS: 435.  
*Campanula shephardi* Post PP V: 11 (= *Tracheliopsis postii* Buser) No types found.  
*Campanula trachelium* L. var. *solitaria* Post LS: 435.  
*Capsella bursa-pastoris* L. var. *minuta* Post PP IX: 150. No types found.  
*Carlina lanata* L. var. *pygmaea* Post [= *Carlina pygmaea* (Post) Holmboe] PP VII: 400. G.  
*Carpoceras amani* Post PP V: 2. No types found.  
*Carum brachyactis* Post BEI. G?  
*Carum nudum* Post BEI. G?  
*Celsia berneti* Post LS: 437-438. No types found.  
*Celsia glandulifera* Post PP II: 19. No types found.  
*Centaurea balsamitoides* Post II: 13. No types found.  
*Centaurea doddsii* Post LS: 434. No types found.  
*Centaurea trachonitica* Post LS: 434-435. G (Two sheets).  
*Cephalanthera andrusi* Post PP VII: 163-164. No types found.  
*Cerasus anti-libani* Post PP I: 8. 1890. No types found.  
*Chaerophyllum auranitacum* Post PP III: 8-9. G, includes ink drawing on vellum.  
*Chaerophyllum oligocarpum* Post LS: 429 [= *Rhabdosciadium oliogocarpum* (Post ex Boiss.) Hedge & Lamond]  
*Cirsium amani* Post LS 18. See also PP IV: 7. G.  
*Cirsium odontolepis* Boiss. var. *paucidentata* Post PP VIII: 159. No types found.  
*Convolvulus glomeratus* var. *sericeus* Post PP VI: 403. BEI and G.  
*Conyza dioscoridisi* Rauw. var. *obtusifolia* Post PP VI: 8. No types found.  
*Cousinia dayi* Post PP II: 13. (= *Cousinia hermonis* Boiss.) G.  
*Cousinia wesheni* Post PP II: 13. G.  
*Crozophora verbascifolia* Willd. var. *elata* Post PP II: 22. (= *C. hiersolymitana* Spreng.) No types found.

- Cynara auranitica* Post (= *Cynara syriaca* Boiss.) PP VI: 400. G (lectotype determined by Wiklund).
- Cyperus cyprius* Post PP X: 102. G.
- Cytisus drepanolobus* Boiss. var. *hirsutissimus* Post LS: 424-425.
- Daucus jordanicus* Post LS: 431-432. G.
- Delphinium amani* Post PP VIII: 152. No types found.
- Dianthus auraniticus* Post LS: 431. (= *D. monadelphus* Vent. ssp. *acer* A. J. C. Grierson). No types found.
- Dianthus deserti* Post PP II: 6. BEI.
- Dianthus floribundis* Boiss. var. *kerhanicus* Post BEI.
- Dianthus multipunctatus* Ser. var. *troodii* Post PP X: 91. No types found.
- Dianthus multipunctatus* Ser. var. *pruinosis* Post LS: No types found.
- Diploaxis viminea* L. var. *acutelobata* Post PP IX: 150. 1899. BEI and G.
- Eragrostis barbeyi* Post PP VIII: 760. G.
- Erigeron setiferum* Post LS: 437 [= *Erigeron canadensis* (L.) Cronq.] No types found.
- Erigeron shepardii* Post PP V: 8-9 (= *Erigeron acer* L. ssp. *acer*). G.
- Erysimum libanoticum* Post LS: III: 5. G.
- Euphorbia pusillima* Post PP VII: 162-163. G.
- Euphorbia troodii* Post [= *Euphorbia cassia* Boiss. ssp. *igoii* (Boiss. ex Freyn) Holmboe] PP X: 100. BEI.
- Ferula barbeyi* Post PP II: 10. BEI and G.
- Ferula bilasi* Post PP II: 9-10. G.
- Ferula cypria* Post PP X: 94. G.
- Ferulago amani* Post LS: 429-430. BEI.
- Ferulago auranitica* Post LS: 430. BEI.
- Ferulago blancheana* Post LS: 430. BEI and G.
- Ferulago kurdica* Post PP VIII: 757. No types found.
- Ferulago rigida* Boiss. var. *laxa* Post PP II: 10. BEI.
- Fritillaria aintabensis* Post PP VII: 164. G.
- Fritillaria alfredae* Post PP X: 101. BEI and G. Description refers to a number 920, but the number on the sheet is 921. Other information agrees with the description. The G specimen is also 921.
- Fritillaria viridiflora* Post PP VII: 164. G.
- Galium autrani* Post PP VIII: 757. (= *Galium lanuginosum* Post) BEI.
- Galium cymulosum* Post LS: 432. BEI, G?
- Galium lanuginosum* Post LS: 432. Nomen preoccupatum (*G. lanuginosum* Lam.)
- Genista albida* Wild. var. *biflora* Post BEI, G?
- Gypsophila antilibanotica* Post PP II: 6-7. No types found.
- Gypsophila hygrophila* Post PP II: 6. No types found.
- Hypericum helianthemoides* Spach. var. *nanum* Keller et Post PP VII: 155. BEI and G.
- Helichrysum pygmaeum* Post PP II: 12-13. G.
- Hesperis aintabica* Post LS: 421. BEI, G.
- Hieracium autrani* Post PP V: 11. BEI, G with pencil drawing.
- Hieracium barbeyi* Post PP V: 10. G with pencil drawing.
- Hieracium strigulosum* Post PP V: 11. BEI, G with pencil drawing.
- Hordeum bulbosum* L. var. *brevispicatum* Post PP VI: 410. BEI.
- Johrenia porteri* Post LS: 431. Cited in PP VII: 157. G.
- Johrenia westii* Post PP III: 9. G.
- Lactuca muralis* L. var. *sinuata* Post PP VII: 159. BEI.
- Laserpitium glaucum* Post PP II: 10. 1891. G, with life-size drawing of leaf.
- Linaria lanigera* Desf. var. *villosissima* Post PP VI: 404. No types found.
- Linum peyroni* Post = (P) LS : III: 6. BEI and G.
- Linum rigidissimum* Post LS: 424 (= *L. mucronatum* Bartol. ssp. *mucronulatum*) No types found.
- Malcolmia auranitica* Post LS: 420.
- Malcolmia zachlensis* Post LS: 420.
- Malva sylvestris* L. var. *oxyloba* Post BEI, G? LS: 424.
- Medicago shepardii* Post LS: 439.
- Micromeria graeca* L. var. *laxiflora* Post PP IX: 41. [= *Satureja graeca* L. ssp. *laxiflora* (Post) Greater & Burdet]. G.

- Micromeria shepardii* Post PP VI: 405-406. BEI.  
*Molucella lanata* Post PP II: 19-20. No types found.  
*Muscari albicaule* Post PP I: 13. No types found.  
*Nepeta amani* Post PP V: 15. BEI (three sheets).  
*Nepeta mardinensis* Post PP IX: 159. [= *Stachys mardinensis* (Post) R.R. Mill.] G.  
*Nepeta shepardii* Post LS: 439.  
*Nepeta trachonitica* Post LS: 439. BEI.  
*Onobrychis kurdica* Post IV: 6. BEI.  
*Origanum amanum* Post PP IV: 6. No types found.  
*Origanum dayi* Post PP VI: 405. BEI (three sheets).  
*Papaver rhoeas* L. var. *pinnatum* Post LS: 419. BEI, G?  
*Paracaryum reuteri* Boiss. et Haussk. var. *leiocarpa* Post. LS: 436. No types found.  
*Paracaryum velutinum* Post PP IV: 10. No types found.  
*Paronychia argentea* Lam. var. *scariosissima* Post LS: 423. G.  
*Paronychia capitata* DC. var. *attenuata* Post LS: 423. BEI, G?  
*Paronychia nivea* DC. var. *obtusata* Post LS: 423.  
*Phaeopappus longispinus* Post PP II: 14. [= *Centaurea longispina* (Post) Wagenitz.] G.  
*Phagnalon linifolium* Post PP II: 12. 1891. G.  
*Phlomis bertrami* Post PP X: 98-99. (= *Phlomis longifolia* Boiss. & Blanche.) G.  
*Phlomis cyprica* Post PP X: 99. G.  
*Phlomis platystegia* Post PP VI: 407. G with pencil drawing.  
*Pimpinella depauperata* Post LS: 427.  
*Pimpinella moabitica* Post PP VII: 7. No types found.  
*Plantago ovata* Forssk. var. *lanata* Post.  
*Poa hackelii* Post PP VIII: 760. BEI and G.  
*Potamogeton crispus* L. var. *phialensis* Post (= *Potamogeton crispus* L.). PP VI: 409. No types found.  
*Potamogeton phialae* Post (= *Potamogeton trichoides* Cham. & Schlecht.) PP VI: 409. No types found.  
*Prangos meliocarpa* Boiss. var. *trachonitica* Post LS: 430-431.  
*Pyrethrum depauperatum* Post PP VII: 158. [= *Tanacetum depauperatum* (Post) Grierson] G.  
*Ranunculus arvensis* L. var. *longispinus* Post LS: 419. BEI, G?  
*Ranunculus arvensis* L. var. *rostratus* Post LS: 419. BEI (three sheets), G (from Aintab).  
*Reseda muricata* Presl. var. *latifolia* Post PP IX: 154. BEI.  
*Rhynchospora [sic] boissieri* Post PP V: 14-15. [= *R. elephas* (L.) Griseb.] No types found.  
*Salvia bithynica* Briq. et Post PP IX: 158-159. BEI (two sheets), G.  
*Salvia judaica* Boiss. var. *pinnatifida* Post IX: 158. No types found.  
*Salvia nusairiensis* Post PP: 406. No types found.  
*Salvia purpurascens* Post LS: 438. No types found.  
*Saponaria cyprica* Post (= *Saponaria cyprica* Boiss.) PP VIII: 757. G with ink drawing.  
*Scabiosa kurdica* Post PP IV: 7. G.  
*Scabiosa ochroleuca* L. var. *intermedia* Post LS: 433. BEI, G?  
*Scaligeria capillifolia* Post LS: 428. No types found.  
*Scaligeria hermonis* Post PP VI: 399. No types found.  
*Scorzonera isophylla* Post III : 13. No types found.  
*Scorzonera papposa* DC var. *velutina* Post PP IX: 156. No types found.  
*Scrophularia antiochia* Post PP V: 13-14. BEI.  
*Scrophularia gileadense* Post LS: 438. BEI, G?  
*Scrophularia nusairiensis* Post PP V: 13. (= *S. scopoli* Poppe) G.  
*Scrophularia peyroni* Post PP V: 14. No types found.  
*Scutellaria kurdica* Post PP IV: 10-11. G.  
*Sedum amani* Post PP IV: 6 (= *Sedum cyepaea* L.) G.  
*Senecio bertrami* Post PP X: 95. G.  
*Serratula kurdica* Post PP IV: 8. G.  
*Serratula oligocephala* DC var. *glaberrima* Post PP IX: 155. BEI three sheets), G.  
*Seseli rubellum* Post PP VII: 157. BEI (three sheets).  
*Sideritis cyprica* Post PP X: 98. BEI.

*Sideritis glandulifera* Post PP V: 16. BEI (three sheets).

*Sideritis montana* L. var. *xanthostegia* Post LS: 439. No types found.

*Sideritis nusairiensis* Post PP V: 15-16. [= *S. syriaca* L. ssp. *nusairiensis* (Post) Huber-Morath] G.

*Silene bythinica* Post PP IX: 152. G.

*Silene infidelium* Post PP VII: 154. G.

*Silene intricata* Post PP VII: 154. No types found.

*Silene porteri* Post LS: 422-423. BEI, G?

*Sisymbrium grandiflorum* Post PP I: 3. BEI (three sheets).

*Stachys glandulifera* Post PP IV: 11. BEI.

*Stachys libanotica* Benth. var. *ericyalcina* Post LS: 439. BEI.

*Statice palmyrensis* Post PP III: 16. [= *Limonium palmyrense* (Post) Dinsmore]. BEI.

*Teucrium andrusi* Post PP VIII: 758-759. BEI.

*Teucrium auraniticum* Post LS: 440.

*Teucrium cypricum* Post PP VIII: 759. 1895. G (specimens on loan).

*Teucrium yabrudi* Post PP III: 15. No types found..

*Thymus alfredae* Post PP III: 15. No types found.

*Thymus syriacus* Boiss. var. *trachoniticus* Post LS: 439. No types found.

*Trichodesma boissieri* Post LS: 436. No types found.

*Trifolium alsadami* Post LS: 425-426. BEI, G?

*Trifolium candollei* Post LS: 425. BEI, G?

*Trigonella cylindracea* Desv. var. *lilacina* Post LS: 425.

*Trigonella monspeliaca* L. var. *petiolata* Post PP IX: 153. No types found.

*Trigonella noeana* Boiss. var. *minor* Post LS: 425.

*Triodia glaberrima* Post PP VIII: 760. No types found.

*Tulipa montana* Lindl. var. *amblyophylla* Post (= *Tulipa systola* Stapf) PP I: 13. BEI (with letter from J.G. Baker), G.

*Tunica filiformis* Post PP V: 3. [= *Petrorhagia alpina* (Habl.) P. W. Ball & Heywood ssp. *olympica* Ball and Heywood] BEI (two sheets.)

*Verbascum aintabicum* Post PP II: 17. G.

*Verbascum aliciae* Post PP III: 14. G.

*Verbascum andrusi* Post PP VII: 161. G.

*Verbascum antari* Post PP II: 16. G.

*Verbascum barbeyi* Post LS: 436-437. G.

*Verbascum boissieri* Post PP IX: 758 [= *Verbascum caudatum* Post. Nomen mutandum (*Verbascum caudatum* Freyn.)] G.

*Verbascum caudatum* Post BEI and G. (= *Verbascum boissieri* Post) PP VII: 160. BEI and G.

*Verbascum fruticosum* Post = (P) PP VI: 403-404. No types found.

*Verbascum gadarense* Post PP VI: 403. BEI (three sheets) and G.

*Verbascum gileadense* Post LS: 437.

*Verbascum karyeteni* Post PP II: 17. G.

*Verbascum macranthum* Post PP VI: 404. No types found.

*Verbascum mardinense* Post PP VII: 161. No types found.

*Verbascum palmyrense* Post PP V: 12-13. BEI and G.

*Verbascum porteri* Post PP II: 18-19. G.

*Verbascum qulebicum* Post LS: 437. BEI (three sheets, one has an inflorescence, with different dates).

*Verbascum rotundifolium* Post PP II: 18. No types found.

*Verbascum saltense* Post PP V: 13. No types found.

*Vicia narbonensis* L. var. *pilosa* Post LS: 426.

*Viola amani* Post PP IV: 2-3. BEI (two sheets).

*Zollikoferia foxii* Post PP IX: 156. (No description or Latin diagnosis included. Nomen nudum?). No types found.

### Acknowledgement

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## References

- Post GE (1888). Diagnoses Plantarum Novarum Orientalium. *Journ Linn Soc Bot* 24: 419-441.
- Post GE (1890). *Plantae Postianae* I. 14 pp. Lausanne.
- Post GE (1891). *Plantae Postianae* II. 23 pp. Lausanne.
- Post GE (1892). *Plantae Postianae* III. 19 pp. Lausanne.
- Post GE (1892b). *Plantae Postianae* IV. 12 pp. Lausanne.
- Post GE, Autran E (1893). *Plantae Postianae* V. 18 pages. *Bull. Herb. Boiss.* 1: 1-18.
- Post GE, Autran E (1893b). *Plantae Postianae* VI. 19 pages. *Bull. Herb. Boiss.* 1: 393-411.
- Post GE, Autran E (1895). *Plantae Postianae* VII. 18 pages. *Bull. Herb. Boiss.* 3: 150-167.
- Post GE (1896(?)). *Flora of Syria, Palestine and Sina*. A handbook of the flowering plants and ferns, native and naturalized from the Taurus to Ras Muhammad and from the Mediterranean Sea to the Syrian Desert. Beirut: Syrian Protestant College.
- Post GE, Autran E (1897). *Plantae Postianae* VIII. 7 pp. *Bull. Herb. Boiss.* 5: 755-761.
- Post GE, Autran E (1899). *Plantae Postianae* IX. 16 pp. *Bull. Herb. Boiss.* 8: 146-161.
- Post GE (1900). *Plantae Postianae* X. 14 pages. *Bull. Herb. Boiss.* 18: 89-102.