ALLIUM Linnaeus

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Bulb coat reticulations are frequently important in identification; they are best viewed on the inner surface of the outer coats. Descriptions of reticulations assume 10X magnification.

Allium membranaceum Ownbey ex Traub, Papery Onion, was collected in Jackson County in 2010. It may be a waif. It grows in California.

Allium cepa L., Cultivated Onion, occurs as a waif near onion fields and along dirt roads on which they are transported. It is also known from the wild in California and Washington.

 Inflorescence mostly consisting of bulbils, flowers few. Leaf blades solid, 6-30 cm long; range E of Cascades A. geyeri var. tenerum Leaf blades hollow below middle, 20-60 cm long; range W of Cascades
I' Inflorescence mostly consisting of flowers, bulbils absent or few.
3. Inflorescence nodding at anthesis and thereafter; ovary strongly crested; stamens exserted
3' Inflorescence erect at anthesis and thereafter; ovary crested or not; stamens
exserted or not.
 Leaf blades terete to subterete, or folded and narrowly channeled in cross section, not falcate.
5. Leaves 1 per scape.
6. Scapes 5-15 cm long; stamens shorter than tepals; range SE Oregon
6' Scapes 18-60 cm long; stamens equaling or longer than tepals; range SW Oregon
5' Leaves usually 2 or more per scape.
7. Tepals 5-8(9) mm long, spreading from base; ovary crests +/-
conspicuous, triangular
7' Tepals (7)9-15 mm long, erect; ovary crests absent or obscure.
Umbel compact; pedicels much shorter than flowers; range
Willamette Valley and Columbia Basin A. schoenoprasum
8' Umbel more open; pedicels longer than flowers; range various.
Tepals +/- equal in length; outer bulb coats with obscure.
reticulum; umbel 10-20 - flowered; range Klamath Mts A. bolanderi

	9' Tepals unequal, the outer longer than the inner; outer bulb coats with distinct reticulum; umbel (5)15-40 - flowered; range various. 10. Outer bulb coat reticulations square to polygonal, with thickened walls; range various
4'	Leaf blades flat or broadly channeled in cross section, sometimes falcate. 11. Scapes sharply 3-angled in cross section; range near the coast; uncommon. A. triquetrum
	11' Scapes round to flattened in cross section, not sharply 3-angled, sometimes winged; range various.
	 Scapes round or only slightly compressed in cross section, sometimes very narrowly winged.
	13. Umbel 75-500 - flowered; scapes (45)60-180 cm tall; uncommon introductions of Willamette Valley and Oregon Coast.
	14. Tepals 6-9 mm; leaves 3-6
	13' Umbel 10-75 - flowered; scapes 1.6-80 cm tall; range various.
	15. Stamens +/- equaling tepals or exserted.16. Leaf blades usually more than 5 mm wide, flat; umbel 25-75 –
	flowered; spathe bracts 3
	16' Leaf blades 2-3 mm wide, flat to channeled; umbel 10-40(60) – flowered; spathe bracts 2.
	17. Outer bulb coat with quadrate to polygonal reticulations; leaf blade < to +/- equaling scape; range north-central Oregon
	adjacent to roots; leaf blade usually exceeding scape; range
	widespread east of Cascades
	15' Stamens much shorter than tepals.
	18. Stigma usually with 3 short lobes; outer bulb coat reticulations
	distinct, forming a herringbone pattern; range southern Cascades;
	uncommon
	reticulations (if evident) hexagonal to transversely elongate,
	sometimes contorted; range various.

- 19. Ovary conspicuously crested with 6 triangular processes; tepals generally spreading from base; range east of Cascades from the southern Blue Mts south. 20. Tepals generally less than 7 mm long, usually papery in fruit, the tips rarely with strongly involute margins or a pronounced keel; leaves commonly withering by anthesis..... A. campanulatum 20' Tepals generally greater than 7 mm long, rigid in fruit, tips strongly involute, usually with a pronounced keel; leaves 19' Ovary crests absent or inconspicuous; tepals usually not spreading from base; range various. 21. Tepals generally at least 11 mm long; pedicels (15)20-40 mm long; known from 2 locations in western Oregon......A. unifolium 21' Tepals generally less than 11 mm long; pedicels generally less than 15(25) mm long; range Blue Mts and SW Oregon. 22. Leaves 3-5; tepal midveins usually inconspicuous..... 22' Leaves 1-2; tepal midveins prominent. 23. Tepals oblong-elliptic, apices obtuse; leaves 1.5-4 times the length of the scape; range SW Oregon.A. obtusum var. obtusum 23' Tepals lanceolate to elliptic, apices acute to acuminate; leaves usually less than twice the length of the scape; range Blue Mts. 24. Larger bulbs with a cluster of basal bulbils; outer bulb coat reticulations often absent, or if present, obscure and contorted.......... A. madidum 24' Bulbs without basal bulbils or rarely with 1 or 2; outer bulb coat reticulations usually evident, contorted to hexagonal or transversely elongate. 25. Outer bulb coat reticulations contorted; 25' Outer bulb coat reticulations usually distinct, +/- hexagonal to transversely elongate;
- 12' Scapes flattened or moderately compressed, often winged.

26. Scapes 30-70 cm tall; leaves 3-6; strongly rnizomatous plants of swampy meadows
26' Scapes 3-25 cm tall; leaves 1-2; plants may or may not have rhizomes;
diverse, seasonally wet to moist habitats.
27. Umbel compact; pedicels usually much shorter than flowers; leaves 1-3(4) mm wide; sand and gravel deposits and sandy slopes along the Columbia River; possibly extirpated from Oregon
slopes along the Columbia River.
28. Leaves (6)9-18 mm wide, strongly falcate; umbels 30-90 – flowered; stamens exserted; local in south-central Oregon
A. platycaule
28' Leaves 1-8(10) mm wide, falcate or not; umbels 5-60 – flowered; stamens included to exserted; range various.
29. Stamens equaling tepals or exserted; range SE Oregon.
30. Tepals linear to lance-linear, >4x as long as wide; scape 5-
15 cm tall <i>A. ancep</i> s
30' Tepals lanceolate, <4x as long as wide; scape (6)10-20 cm
tall
29' Stamens much shorter than tepals; range various.
31. Range W of Cascades.
32. At least inner tepal margins finely denticulate; range SW Oregon.
33. Tepals (10)11-19 mm long; scape 5-20 cm tall
33' Tepals 6-10(11) mm long; scape 3-8 cm tall
32' Tepal margins entire; range various.
34. Bulbs oblique or oblique-ovoid, renewal bulbs borne
on rhizomes; tepals usually spreading from base at
anthesis; leaf and scape margins sometimes crenulate-
denticulate
34' Bulbs ovoid to globose, rhizomes absent, renewal bulbs formed within coats of parent bulb; tepals
ascending to erect, sometimes spreading from tips at
anthesis; leaf and scape margins not crenulatedenticulate.

35. Tepals often spreading at midlength, narrowly
lanceolate to ovate, apices obtuse to acute, keeled in
fruit; umbels 10 -35 – flowered A. siskiyouense
35' Tepals erect, broadly lanceolate to ovate, apices
obtuse, not keeled in fruit; umbels 5-20(25) – flowered.
A. parvum
31' Range E of Cascades.
36. Pedicels 10-25 mm; umbels (10)20-60 - flowered; tepals
lanceolate, apices acute to acuminate, spreading, the
margins involute and the midrib prominent
A. tolmiei var. tolmiei
36' Pedicels 3-12 mm; umbels 5-30 - flowered; tepals widely
lanceolate to ovate, apices obtuse to acute, generally not
spreading; midrib not prominent.
37. Outer bulb coats with transverse elongate
reticulations
37' Outer bulb coats not cellular-reticulate or with 2-3
rows adjacent to roots