

Quercus berberidifolia

Thu, Nov 06, 2008

Quercus berberridifolia (syn in part *Quercus dumosa* Nutt.)

There is an entity occasional on the Ridge, usually a low shrub to 3 ft tall, sometimes in groups of a few individuals, sometime single, usually on northern slopes 500-600 feet elevation. We have never observed acorns. The leaves are ± flat to wavy, adaxially ± shiny green, abaxially pale green, margin spine-toothed.

Treatment in Jepson II by the late John Tucker

Q. berberidifolia Liebm. SCRUB OAK NATIVE Shrub 1?3 m or ± tree > 3 m, evergreen. LF: 1.5?3 cm; petiole 2?4 mm; blade oblong, elliptic, or ± round, adaxially ± flat to wavy, ± shiny, green, abaxially with minute appressed stellate hairs, dull, pale green, tip gen rounded, margin mucro- or spine-toothed. FR: cup 12?20 mm wide, 5?10 mm deep, hemispheric to bowl-shaped, thick, scales tubercled; nut 10?30 mm, gen ovoid, tip obtuse to acute, shell glabrous inside; mature yr 1. Dry slopes, chaparral; 100?1800 m. KR, NCoR, CaRH, SNF, Teh, ScV (Sutter Buttes), CW, SW; Baja CA. Hybrids with *Quercus durata*, *Quercus engelmannii*, *Quercus garryana* (*Quercus* × *howellii* J.M. Tucker), *Quercus john-tuckeri*, *Quercus lobata*.

* *Q. dumosa* was reported by Cooper (1922, p.26) as a constituent of the climax chaparral association on Jasper Ridge. His research area was just south of the current southern boundary of the Preserve. Other oaks in this association were gold cup, leather, interior live. He notes that all are evergreen, except the *Q. dumosa* is barely so. He also lists *Castanopsis chrysophylla* (*Chrysolepis chrysophylla*) as important. Where has it gone?

* The Preserve's first plant list (Springer, 1935) doesn't list *Q. dumosa*. It does include *Quercus* sp. found in the chaparral.

* From Herb Dengler's fieldnotes Feb 24th 1963

To Searsville Pond – 9:15 AM – met S M Co Audubon Group and went into Searsville with them – around lake to *Q. dumosa* site, thence to heron rookery area & back to parking – 12:15 noon Weather: - clear sunny - 72°

- Cinnamon Teal – 3 on pond – E end
- Ring-necks – prob 30 on pond
- Coots - " 10 " " also at S.L.
- Ruddy ducks " 6 " "

May 5th 1963 - To Searsville - 11:20 A.M. - 3 P.M. Route - to lupin field, back by way of *Quercus dumosa* site. Then to W. of *Q. dumosa* in chap. Thence to S.F.Cr. below S.R. . .

*Porter (1962) lists *Q. dumosa* and indicates that is was vouchered in the Dudley Herbarium (voucher # 100665). This was later redetermined to *Q. durata*.

* There is also the transcribed lecture notes: Mooney, HA. 1978-1979. Jasper Ridge Plant Communities [Lecture Notes]. Reference to seven oaks at JR and specific reference to *Q. dumosa*.