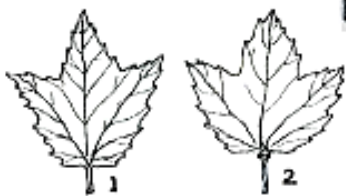


## IDENTIFICATION OF NATIVE EASTERN U.S. VIBURNUMS

←-----USING SUMMER FOLIAGE      USING FALL/WINTER TWIGS----->



**LEAVES LOBED**

- leaf petioles hairy, non-glandular ----- *V. acerifolia* (1) -- twigs sometimes hairy; term. buds with 2 to 4 pairs of brownish scales
- leaf petioles hairless, with red glands ----- *V. trilobum* (2) -- twigs hairless; term. buds with 1 pair of valvate reddish scales, seam often obscure



**T-BUDS SCALED; COARSE SHRUBS OFTEN <2M TALL**

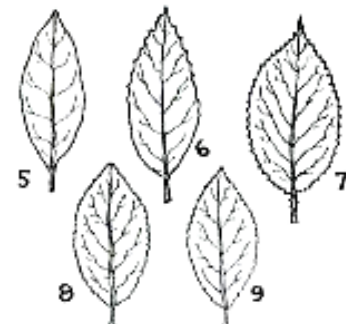


**LVS OF UNUSUAL SIZE / SHAPE**

- lvs >10 cm broad, veiny, finely toothed --- *V. lantanoides* (3) -- term. buds naked, >1cm long
- lvs <5cm long, obovate, nearly entire, --- *V. obovatum* (4) -- term. buds naked or valvate, <5mm petiole very short

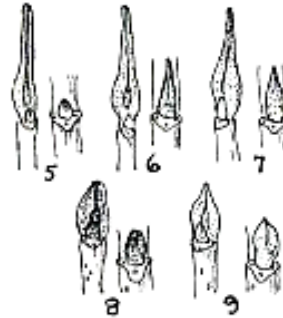


**T-BUDS NAKED OR <5MM**

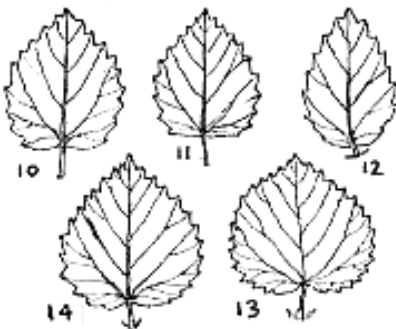


**LVS ELONGATE, VEINS BRANCH WELL BEFORE MARGINAL TEETH**

- lvs glossy, margin hairy, usually entire; --- *V. nudum* (5) -- term. buds >1cm, brownish, lateral buds often short, flw. buds incompletely valvate
- lvs. dull, margin partly toothed, hairless; --- *V. cassinoides* (6) -- term. buds >1cm, brownish, lateral buds usually elongate; flw. buds incompletely valvate
- lvs. dull, margin sharply toothed, --- *V. lentago* (7) -- term. buds >1cm, pinkish; flw. buds completely valvate with 2 scales
- lvs. glossy, margin finely toothed, tip blunt- *V. rufidulum* (8) -- term. buds <1cm, rusty-colored
- lvs. dull, margin finely toothed, tip acute --- *V. prunifolium* (9) -- term. buds <1cm, grayish

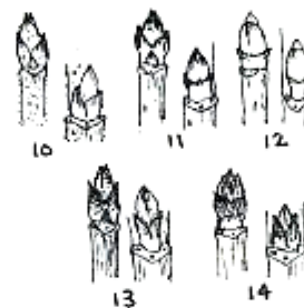


**T-BUDS VALVATE-SCALED, SCURFY**



**LVS WIDE NEAR BASE, STRONG VEINS EXTEND TO LARGE TEETH**

- lvs. hairy, base mostly rounded to flat ----- *V. dentatum* (10) -- twigs hairy; fruit globose
- lvs. hairless, base mostly rounded to flat --- *V. recognitum* (11) -- twigs hairless; fruit globose
- petioles <1cm, stipules persist; base various; lf. teeth <12 per side ----- *V. rafinesquianum* (12) --twigs hairless, term. buds often narrow-based, some scales grayish; frt. elliptical
- lf base usually cordate, stipules persist --- *V. molle* (13) -- stem bark shreddy; bud scales dark, usually keeled; fruit elliptical
- lf base usually cordate, stipules persist, --- *V. bracteatum* (14) --stem bark tight; bud scales dark; fruit elliptical



**T-BUDS IMBRICATE-SCALED**