The Ohio Naturalist.

## WINTER KEY TO THE OHIO SPECIES OF EUONYMUS.

## DALE CONDIT.

*Euonymus.* Small trees or erect or trailing shrubs with opposite leaf scars; twigs usually four-angled, green or greenish; terminal bud present with 6–10 acute or obtuse scales; axillary buds single, sessile; leaf scars semicircular to crescent shaped, with one bundle scar; stipular scars none, pith solid, rhombic, white or greenish; bark more or less bitter; self-pruning scars present in some species; fruit a more or less fleshy colored capsule; the seeds with a brilliantly colored aril.

- 1. Low, trailing, ascending or erect, shrubs, often rooting from the stem; apical pair of bud scales usually much longer than the other pairs and forming a slender conical point; bud scales thin, flexible; capsule tuberculate. 2.
- Small trees; bud scales thickened and having an elevated keel; terminal buds transversely four-angled, short and obtuse or long and acute; capsule smooth. 3.
- 2. Trailing decumbent shrubs, seldom rising 2 feet above the ground and rooting from the prostrate stems; bud scales obtuse; twigs soft and flexible. *E. obovatus* Nutt. Running Strawberry Bush.
- 2. Erect or ascending shrubs 2-8 feet high; bud scales more acute, thin. E. americanus L. American Strawberry Bush.
- 3. Buds acute, long; bud scales acute; bark very bitter; aril red. *E. atropurpureus* Jacq. Wahoo.
- 3. Buds obtuse, short; bud scales usually very obtuse; bark only slightly bitter; aril yellow. *E. europaeus* L. Spindle-tree.

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