

Wood's Rose *Rosa woodsii*

Rosaceae—Rose family

by Tom Reaume © 2010 Nature Manitoba

A perennial, armed **deciduous shrub** 20–200 cm tall, solitary or forming thickets from rhizomes; along streams, ravines, marshes, railway banks, roadsides and open woodlots.

● **FLOWERS** Pink, blooming May–August; **inflorescence** a corymbiform cyme, terminal on new leafy growth, 1- to 12-flowered; **peduncles** 1 to 3 per inflorescence, 1.8–2.5 cm long by 1–1.5 mm wide, hairless, curved, branched; **pedicels** 5–22 mm long in fruit by c. 1 mm thick, slightly curved, reddish brown, hairless, 4- or 5-sided, with a subtending leaf; **flowers** perfect, fragrant, 2–5 cm wide by 10–12 mm tall; **hypanthium** glabrous, green, 4–5 mm wide by 3–4 mm tall at anthesis, enlarging and persisting as a reddish hip; **sepals** 5, united at the base, green, margins with a tangle of whitish hairs c. 0.5 mm wide with flower in bud, apices widening and mostly glabrous, twisted together in bud, 0.8–2.2 cm long by 1.5–4 mm wide, entire, hairy below, sometimes with reddish gland-tipped hairs, hairy above (ventrally), persistent, then erect, 8–14 mm long and dark brown atop hips; **petals** 5, pink, flat, spreading, 2–3 cm long and wide with a shallow apical notch, whitish at the base; **stamens** c. 100, each 3–8 mm long, together 1.5–2.2 cm wide; **filaments** yellow, filiform, 2–7 mm long by c. 0.1 mm wide, mostly in one whorl and attached to a yellow tube c. 1 mm wide below the pistils; **anthers** yellow, 1.5–2 mm long by 1.2–1.5 mm wide by c. 0.5 mm thick, 2-lobed, attached near base; **pistils** c. 50, 5–6 mm long, forming a greenish raised central cluster 3–4 mm wide; **ovaries** green, c. 2 mm long by c. 0.6 mm wide, hairy along one side; **styles** hairy, 2–3 mm long; **stigmas** round, c. 0.5 wide, whitish hairs around the base, wider than the style; **stipe** 0.5–1 mm long, hairy, the silvery hairs to c. 1 mm long; **hypanthia** (hips) green with a bloom, turning reddish, round, overwintering, 9–18 mm wide and long with walls 0.5–1 mm thick, in clusters of 1–12 and to 7 cm wide at the tips of the floral branches.

● **FRUIT** an achene, 1-seeded, 1–50 per hip, tan, smooth, body 3.5–5 mm long by 2.1–2.8 mm wide by 1.6–2.3 mm thick, hairy along the side with a low lengthways side ridge, body hairs white, straight, up to 2 mm long and with an apical tuft c. 1 mm long; a shallow groove c. 0.2 mm wide along the opposite side, wall 0.4–0.8 mm thick, hard; **seed** whitish, with a very thin, brown, easily removed coat.

● **LEAVES** alternate, compound, (odd-pinnate); **blades** 4–14 cm long by 3.5–11 cm wide; **leaflets** usually 5–9, mostly sessile, larger near the apices, each 1.5–5 cm long by 7–35 mm wide, small teeth often gland-tipped at least along one margin, glabrous to hairy above, lighter green and hairy on the raised veins below (dorsally), lateral veins obvious; **petioles** 1–3 cm long; **stipules** paired, 1.5–2.5 cm long, each half 2–5 mm wide, glabrous to hairy, attached to the petioles for most of their length, free for 3–7 mm at the tips, finely toothed near the pointed apices, teeth usually glandular; **terminal petioles** 8–12 mm long, hairy; **lateral petioles** less than 1 mm long; **rachis** hairy, usually armed, reddish.

● **STEM** erect, armed, reddish brown, especially below, persistent; 8–20 mm thick near the base, tapered above; **prickles** tan, 4–10 mm long, spreading to slightly descending especially below, some slightly curved, usually a spreading tan larger pair 6–8 mm long at the base of the stipules or node, prickles fewer above and usually reduced in size, bases oval, light tan, 0.8–3 mm long; **branches** reddish brown, armed, mostly hairless, alternate, glaucous, slightly shiny.

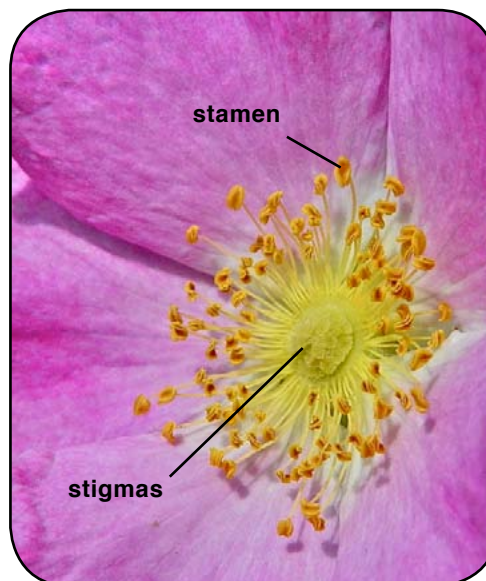
● **RANGE (CAN)** 8 provinces; **(USA)** 21 states; a western native species.



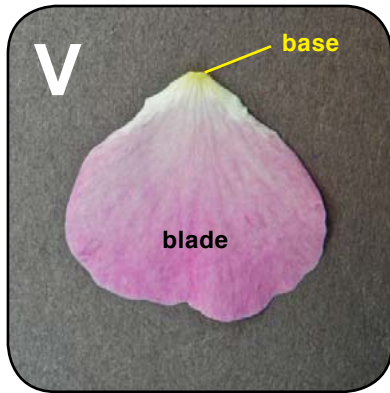
Wood's Rose, a shrub 80–120 cm tall along the base of a railway along Omand Creek in Winnipeg, Manitoba



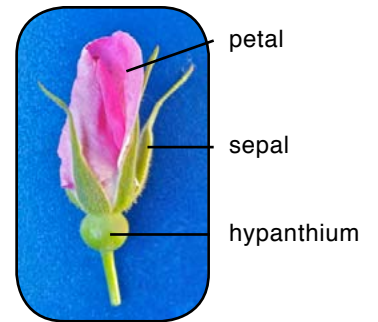
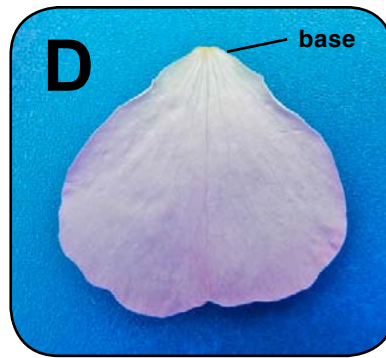
A small visitor at the center of an open flower 5 cm wide; yellow stamens together c. 2 cm wide



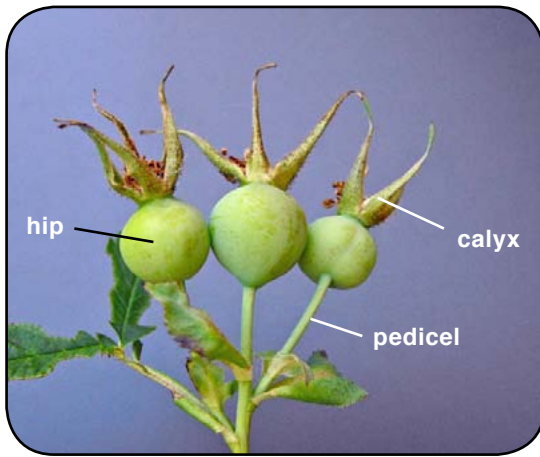
About 100 stamens and 50 stigmas are the center of attraction of this 5-petaled rose



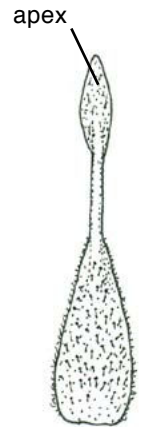
Petal 2.7 cm wide; upper ventral side left; lower dorsal paler side to the right



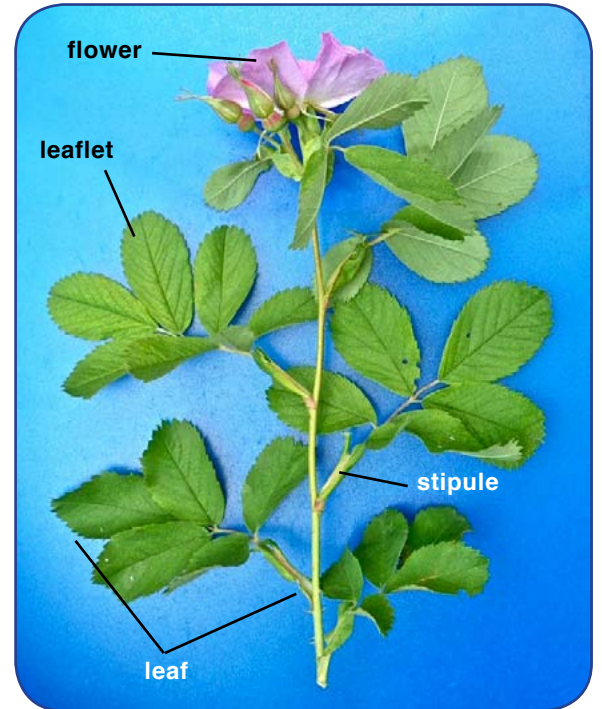
Woods Rose flower bud opening; 2.2 cm long



Cluster of unripe green hips 5 cm across with ascending calyxes atop each hip



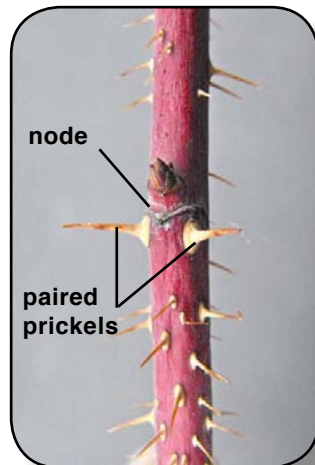
Sepal x3



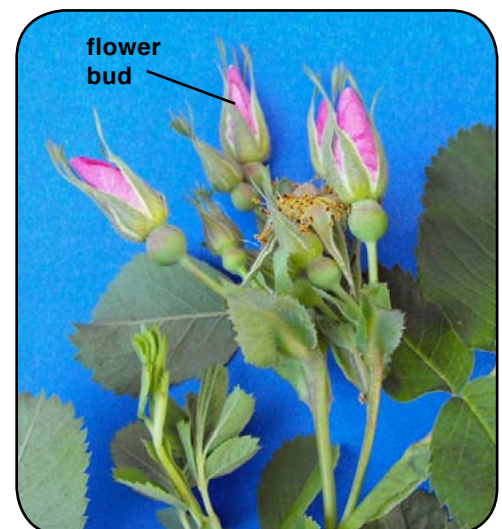
New floral branch 17 cm long with alternate compound leaves and one open flower with 3 flower buds below it in Winnipeg, Manitoba



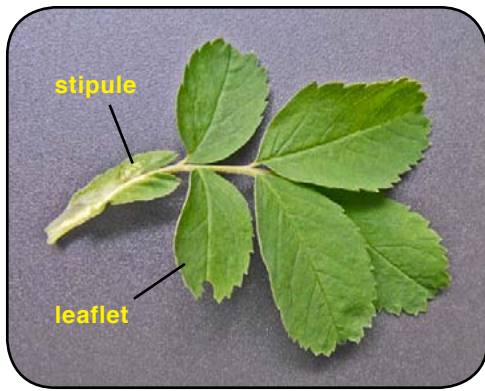
Lower, prickly stem 1.8 cm wide, including prickles



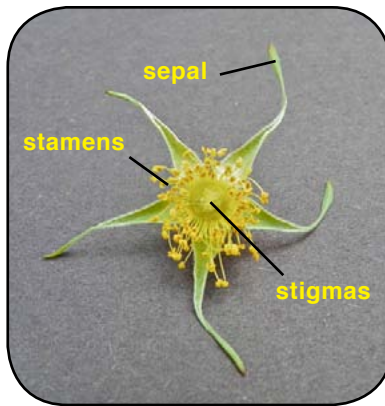
Pair of spreading, tan, long prickles below node (bud) on reddish branch



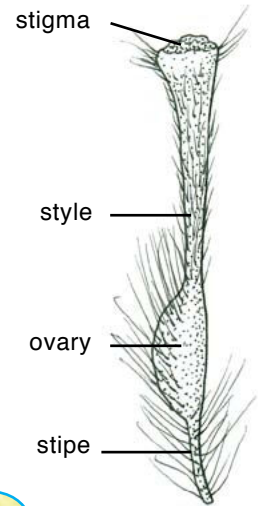
One inflorescence with 8 flower buds and one wilted flower, mid-June



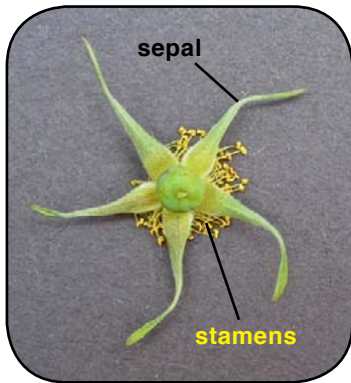
Compound leaf 5.5 cm long with 5 leaflets and stipules 1.5 cm long



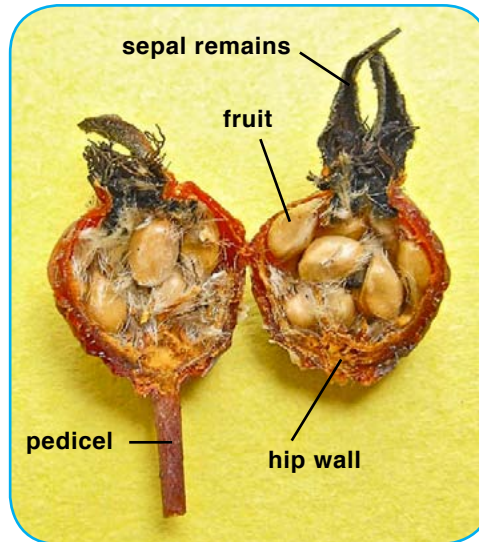
Flower 3.8 cm wide, *above*, petals drop after 1–2 days



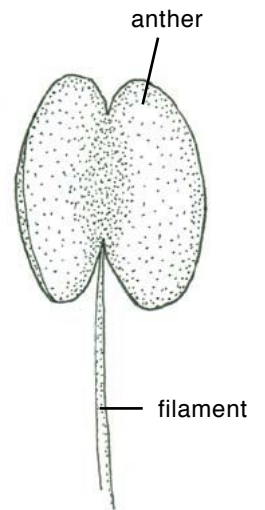
Pistil x10



Wood's Rose flower 3.8 cm wide, *below*, petals drop after 1–2 days in Winnipeg, Manitoba



Overwintering hip cut open; each half c. 1 cm wide; fruit (achene) is tan, hairy



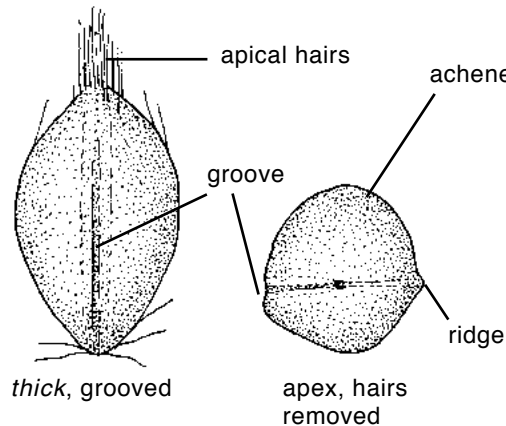
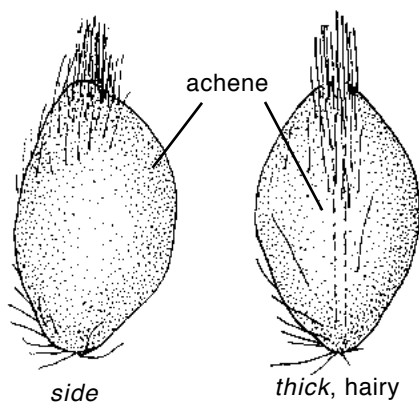
Stamen x20; below



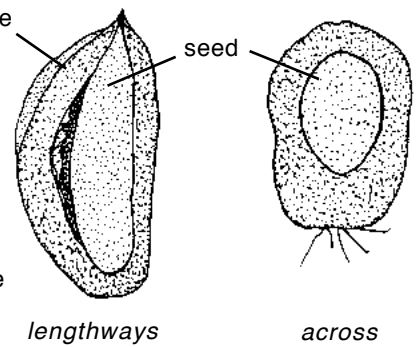
Overwintering red wrinkled rose hips 9–12 mm wide with erect calyces, cyme of 7 hips is 5.5 cm wide



Newly emerging branch 2 cm long



Fruit x9, 4 views



Cross-section of fruit x9; 2 views