1	No leaves present at flowering time (except for bracts subtending the flowers), the aerial stems lacking chlorophyll or appearing so	(2)
+	Plants in flower with 1 or more foliage leaves, the aerial stems green or partially green	(6)
2 (1)	Flowers with a conspicuous spur; vegetative leaves (appearing after flowering time and overwintering) ovate-triangular to heart-shaped	16 *Tipularia*
+	Flowers lacking a free spur; vegetative leaves not produced, or if produced then elliptic to linear in outline	(3)
3 (2)	Perianth all white (except sometimes with a green or yellow area on the inner surface of the lip); flowers in a spirally twisted spike or spikelike inflorescence	15 *Spiranthes*
+	Perianth yellow, red, or purple, sometimes with the lip white, but the lip then usually with red or purple spots; flowers short- or long-stalked in racemes, not produced in a twisted, spiral pattern	(4)
4 (3)	Sepals 18–21 mm long; the lip 14–16 mm long, with about 7 prominent, longitudinal ridges	9 *Hexalectris*
+	Sepals 3–15 mm long; the lip 2.5–12 mm long, with 1–3 low, longitudinal ridges	(5)
5 (4)	Sepals 10–15 mm long; the lip 10–12 mm long; vegetative leaves (appearing after flowering time and overwintering) elliptic in outline, dark green with white veins	1 *Aplectrum*
+	Sepals 3–8 mm long; the lip 2.5–6 mm long; vegetative leaves not produced	4 *Corallorhiza*
6 (1)	The lip inflated, saclike, pouchlike or boat-shaped, the tip sometimes also lobed	(7)
+	The lip not inflated, flat or curved	(9)
7 (6)	Flowers 1–3 per stem, the lip 20–50 mm long	5 *Cypripedium*
+	Flowers 5 or more per stem, the lip 3–10 mm long	(8)
8 (7)	Main foliage leaves alternate on the aerial stems; perianth green and purple	6 *Epipactis*
+	Main foliage leaves basal, the leaves of the aerial stems reduced to scalelike bracts; perianth white	8 *Goodyera*
9 (6)	Flowers with a conspicuous spur	(10)
+	Flowers lacking a free spur	(12)
10 (9)	Leaves 2, both basal	7 *Galearis*
+	At least 1 cauline leaf present	(11)
11 (10)	Corollas with the spur 1–3 mm long, up to 1/2 as long as the lip	3 *Coeloglossum*
+	Corollas with the spur 4–35 mm long, as long as or longer than the lip	13 *Platanthera*
12 (9)	Plants with only 1 leaf at flowering time (reduced, scalelike leaves may also be present at stem base), this on the aerial stems	(13)
+	Plants with 2 or more leaves at flowering time, these basal and/or on the aerial stems	(15)
13 (12)	Leaf oval to broadly elliptic; perianth green, minute, the sepals 1.3–1.5 mm long	12 *Malaxis*
+	Leaf linear to narrowly elliptic; perianth pink; perianth larger, the sepals 15–25 mm long	(14)
14 (13)	Flowers 2–10 per aerial stem, not resupinate, the lip positioned at the top of the flower	2 *Calopogon*
+	Flowers 1 or 2 per aerial stem, resupinate, the lip positioned at the bottom of the flower or nearly so	14 *Pogonia*
15 (12)	Leaves in a whorl of 4–6 on the aerial stems	10 *Isotria*
+	Leaves alternate, opposite, or all basal	(16)
16 (15)	Leaves 2, both basal	11 *Liparis*
+	Leaves more than 2, or if 2 then at least 1 leaf on the aerial stem	(17)
17 (16)	Leaves 1 or 2, the largest (basal) one 30–90 mm long, lanceolate to narrowly elliptic; flowers 1 or 2 per stem, the perianth pink	14 *Pogonia*
+	Leaves 3–8, 6–18 mm long, narrowly ovate; flowers 2–6 per stem, the perianth white, sometimes tinged with pale pink or lavender	17 *Triphora*