

Flora of China

Arisaema

Ohwi, J. 1984

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of
John Wurdak

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32. *Arisaema* (sections)

1. Leaf blades 3-partite
 2. Appendix thin, usually linear, recurved.
 3. Sterile flowers linear, recurved, sometimes to appendix apex. **Sect. 1 *Fimbriata***
 3. Sterile flowers absent or, if present, acute and only at base of appendix. **Sect. 2 *Attenuata***
 2. Appendix more or less thick.
 4. Anthers dehiscing by hippocrepiform or lunate slits; upper appendix flagelliform, much exceeding spathe, pendulous, lower part thick and base expanded into a stipitate disk. **Sect. 4 *Trisecta***
 4. Anthers not dehiscing by lunate slits.
 5. Appendix obclavate, nearly erect or slightly recurved, obtuse at apex and gradually narrowed at base into a stipe; anthers dehiscing by rounded or oblong pores. **Sect. 3 *Franchetiana***
 5. Appendix obclavate, more or less cylindric, erect, in spathe mouth; anthers dehiscing by elliptic or oblong pores. **Sect. 5 *Pistillata***
1. Leaf blade pedatisect, palmatisect, or radiatisect.
 6. Leaf blade pedatisect or palmatisect.
 7. Appendix sessile, elongate.
 8. Appendix sigmoid (recurved then erect), narrowed to apex **Sect. 6 *Tortuosa***
 8. Appendix recurved, thicker below and flagelliform above **Sect. 8 *Flagellarisaema***
 7. Appendix shorter, erect or slightly recurved.
 9. Spathe very small, tube ovoid, blade ovate, recurved; appendix small and short, elliptic; leaf blade pedatisect. **Sect. 7 *Dochafa***
 9. Spathe large, tube funnel-form or cylindric.
 10. Appendix erect, cylindric or clavate, base truncate; leaf blade 5-7-pedatisect.
 11. Tuber cylindric **Sect. 9 *Decipientia***
 11. Tuber globose **Sect. 10 *Arisaema***
 10. Appendix erect or slightly recurved, thin-cylindric, base not truncate, usually gradually narrowed to thin stipe; anther cells dehiscing by slits or annular pores. **Sect. 11 *Tenuipistillata***
 6. Leaf blade radiatisect, leaflets 7-20 or more.
 12. Spadix without appendix; anther cells annular-dehiscent **Sect. 12 *Exappendiculata***
 12. Appendix cylindric or clavate, erect; anthers dehiscing by apical pores **Sect. 13 *Sinarisaema***

Arisaema* Sect. 1 *Fimbriata

1. Leaf solitary; appendix short, less than 2.5 cm long.
 2. Leaf lobes sessile; sterile flowers sparse, hairlike only on upper part of appendix.

2. *A. matsudai* Hayata
 2. Leaf lobes petiolulate, the central petiolule 5 mm, the laterals ca. 5 mm; sterile flowers less than 1 mm long, scattered on upper and lowermost parts of appendix.

3. *A. austroyunnanense* H.L.
1. Leaves 2; plant with rhizome; appendix more than 4-5 cm long.
 3. Spathe tube margin not auriculate at mouth.
 4. Spathe blade white or light green; appendix 4-5 cm long, upper part densely covered with sterile flowers less than 2 mm long.

1. *A. penicellatum* N.E.Br.
 4. Spathe blade 2-colored.
 5. Spathe blade green above, white at base; upper appendix densely covered with sterile flowers less than 3 mm long.

4. *A. grapsospadix* Hayata
 5. Spathe entirely yellowish green with white stripes; lower appendix covered with acute or linear, erect or recurved sterile flowers 3-8 (-10) mm [female inflorescence].

5. *A. calcareum* H. Li
 3. Spathe tube margin auriculate at mouth; spathe light green; appendix linear, 8 cm long, covered by linear sterile flowers 4-5 cm long [male inflorescence].

5. *A. calcareum* H. Li

Arisaema* Sect. 2 *Attenuata

1. Tuber globose; spathe not auriculate at mouth.
 2. Leaf blade entire or 3-parted, lobes long and narrow, lanceolate or elliptic, middle lobe 10-17 x 1.0-2.5 (-3.5) cm; appendix long and thin, linear, 9-16 cm long, pendulous.

6. *A. bathycoelum* Hand.-M
 2. Leaf blade 3-parted, lobes broader; appendix long or short.
 3. Leaf solitary; plants dioecious [infl. male or female]; appendix 5-6 cm long, slightly recurved; central leaf lobe elliptic-lanceolate, 10-19 x 5-12 cm.

8. *A. yunnanense* Buchet
 3. Leaves 2; plants dioecious or monoecious [infl. bisexual or male]; appendix linear, attenuate, 8-40 cm long; central lobe ovate-oblong, 22-24 x 10 cm.

7. *A. prazeri* Hook f.
1. Rhizome vertical; spathe margin auriculate at spathe tube mouth, auricles recurved.

9. *A. inkiangense* H. Li

Arisaema* Sect. 3 *Franchetiana

1. Spathe white or greenish white; appendix cylindric or fusiform, nearly erect, 3.0-3.7 cm long.
 2. Inflorescence appearing before the leaf; spathe light green or white, with purple striae; appendix naked.

10. *A. candidissimum* W.W.
 2. Inflorescence and leaves appearing together; spathe white, without striae; female appendix with sterile flowers and a few male flowers on the lower part, male appendix naked or with a few acute sterile flowers.

11. *A. sinii* Krause
1. Spathe purple with white striae; appendix conic.

3. Spathe blade acuminate at apex, long-caudate, cauda 3-10 cm long.
4. Spathe purple or green, blade short deltoid or lanceolate, arcuately reflexed, 6 x 2 cm, cauda 6 cm long.
12. *A. delavayi* Buchet
4. Spathe blade cucullate, 5.5-6.0 cm long, 4-5 cm wide when flattened, cauda 3-10 cm long; appendix recurved.
14. *A. franchetianum* Engl.
3. Spathe blade without long cauda.
5. Spathe tube broad and short, 2.5 x 1.3-1.5 cm, blade ovate-lanceolate, 3.5-4.0 cm long, erect or slightly recurved.
13. *A. lichiangense* W.W. Sm
5. Spathe tube narrow and long, 4-6 x 1.2-1.5 cm.
6. Appendix 3.5 cm long, 4 mm thick at the base, nearly erect; stigma discoid.
14. *A. franchetianum* Engl.
6. Appendix thick and strong, 4.5-5.5 cm long, 7-8 mm thick at base; stigma panicillate
15. *A. fargesii* Buchet

Arisaema* Sect. 4 *Trisecta

1. Rhizome horizontal; middle leaf lobe longer than wide, petiolule conspicuous, red-margined; spathe dark purple, spathe blade long-ovate to lanceolate; appendix long-flagelliform, 20-80 cm long
17. *A. speciosum* (Wall.) Mart.
1. Tuber globose or ovoid-conoid.
2. Middle leaf lobe elliptic, ovate or rhombic and longer than wide.
3. Lateral leaf veins parallel, conspicuous below; appendix stipitate conoid from expanded base
16. *A. costatum* (Wall.) Mart.
3. Lateral veins fewer.
4. Leaf lobes red at margins; spathe blade obovate, dark purple, with white striae below, with reticulate margins veins near margins.
20. *A. utile* Hook. f.
4. Leaf lobe margins not red; spathe blade with or without reticulate veins.
5. Spathe blade without reticulate veins; spathe not broadly expanded.
6. Appendix expanded and fusiform or conoid below, ca. 1 cm thick, base gradually narrowed into stipe, not truncate, 15-45 cm long.
18. *A. intermedium* Bl.
6. Appendix conspicuously dilated at base, truncate above, conspicuous basal stipe.
7. Spathe blade entire, oblong or ovate.
8. Spathe dark purple or yellow green, tube dark purple with white striae, with vertical costae inside; lower appendix conoid with irregular ridges, 5-8 mm thick, appendix 8-21 cm long; leaf lobes entire.
19. *A. propinquum* Schott
8. Spathe blade dark purple, tube without white striae, ecostate inside; lower appendix thin-conoid, 1.5-1.8 cm thick, appendix 13.5-14.5 cm long; leaf lobes irregularly undulate at margins
22. *A. dilatatum* Buchet
7. Spathe blade purple, without striae 3-lobed, middle lobe lanceolate, 5 cm long, lateral lobes oblong, 1.3-1.5 cm long.
30. *A. tengtsungense* H. Li
5. Spathe blade dilated and broadly expanded, with reticulate, white or green veins.

9. Appendix not verrucose, base not dilated into disk, truncate; leaf solitary, appearing with inflorescence. 31. *A. griffithii* Schott
9. Appendix not verrucose, base not dilated into disk, cylindric, attenuate into basal stipe leaf 1 (-2). 10. Tuber globose, 3-7 cm thick; leaf appears after inflorescence; inflorescence unisexual. 32. *A. lingyunense* H. Li
10. Tuber ovoid-conoid, 9 x 5 cm; leaf appears with inflorescence; inflorescence either male or female but with 2 series of pistils at base. 33. *A. dahaiense* H. Li
2. Middle leaf lobe obovate, obcordate or obdeltate, shorter than wide. 11. Appendix densely papillose-verrucose toward base; spathe whitish green, light yellow or purple, with white or yellow striae. 23. *A. handelii* Hand.-Mazz.
11. Appendix glabrous. 12. Petiole and pedunculate verrucose or with recurved spines. 13. Appendix narrow-conoid, obtuse at apex, nearly erect, 6.5 cm long; petiole, peduncle and veins on back of leaflets spinose. 25. *A. asperatum* N.E. Br.
13. Appendix conoid below, attenuate from middle, then linear, 12-28 cm long, recurved or sigmoid; petiole and peduncle verrucose. 24. *A. elephas* Buchet
12. Petiole and peduncle glabrous. 14. Leaf small, middle lobe 1.8-4.3 cm long and wide; appendix thin, shorter than spathe blade, stipitate, base suddenly dilated into an undulate disk; upper part recurved. 26. *A. parvum*
14. Leaf large, middle lobe more than 8 cm long and wide. 15. Appendix nearly erect, 6-8 cm long, base dilated into disk. 16. Leaf lobe margins slightly undulate 27. *A. smithii* Krause
16. Leaf lobes entire. 17. Middle leaf lobe usually 15-26 x 18-28 cm; lower appendix conoid, 1.2 cm thick, 20 cm long. 28. *A. wilsonii* Engl.
17. Leaf blade smaller, middle lobe 8-11 x 8-12 cm; appendix suddenly dilated at base, 5-10 mm thick, sigmoid, rarely pendulous. 24. *A. elephas* Buchet
- Characteristics unknown 29. *A. bonatianum* Engl.

Arisaema* Sect. 5 *Pistillata

1. Leaf lobes glabrous on both sides.
2. Middle leaf lobe oblong, elliptic or lanceolate; spathe erect or recurved, not hooded.
3. Leaf lobes serrate, 9-11 cm long, lateral lobes equal at base; spathe throat nearly truncate, margin not recurved, spathe blade brown-purple, erect, margin deeply undulate.
34. ***A. onoticum*** Buchet
3. Leaf lobes entire, lateral lobes unequal at base, one side rounded to auriculate.
4. Middle leaf lobe with petiole 1.5-5.0 cm long, blade oblong, elliptic or ovate, 8-22 x 4-10 cm; spathe throat nearly truncate, margin not auriculate.
35. ***A. lobatum*** Engl.
4. Middle leaf lobe sessile or nearly so, elliptic, 15-21 cm long; spathe throat margin auriculate.
36. ***A. bauriculatum*** W.W. Sm.
2. Middle leaf lobe broadly elliptic, rhombic-elliptic or elliptic; spathe tube pale green, throat margin laterally auriculate, the auricles dark purple, blade recurved into hood, apex ovate or oblong.
5. Leaf lobes narrow and long, 20-30 x 9-13 cm; ovary flat at apex, 4-5-ovulate.
38. ***A. taihokense*** Hosakawa
5. Leaf lobes broader, 15-23 cm long and more than 10 cm wide; ovary attenuate at apex, 1-ovulate.
37. ***A. ringens*** (Thunb.) Schott
1. Leaf lobes pubescent on both sides, middle lobe ovate-lanceolate, 12 x 4 cm; spathe blade pubescent.
39. ***A. arisanense*** Hayata

Arisaema* Sect. 6 *Tortuosa

1. Spathe throat margin truncate or oblique-truncate without conspicuous auricles.
2. Leaf 1.
3. Dioecious or only male inflorescence unisexual; leaflets 13-19, oblanceolate or oblong, middle sessile or shortly pedunculate, 3-15 x 0.7-5.8 cm, almost ½ the length of the lateral leaflets.
40. ***A. heterophyllum*** Bl.
3. Monoecious.
4. Leaflets narrowly linear-lanceolate, less than 1.8 cm wide.
5. Leaflets entire, middle 20 x 1.0-1.5 cm; spadix long and thin, 20 x 2.5 mm, upper part hair-like, recurved and then sigmoid.
42. ***A. lineare*** Buchet
5. Leaflets purple at margin, serrulate or crenulate, 9 x 1.8 cm; appendix 6 cm x 2.5 mm, nearly erect, attenuate upwards.
43. ***A. brachyspathum*** Hayata

4. Leaflets more than 2 cm wide.
 6. Leaflets 17-21, linear-lanceolate; appendix not exceeding spathe.
 41. *A. multisectum* Engl.
6. Leaflets fewer than 9.
 7. Leaflets 7-9; appendix long and thin, nearly linear, 12 cm x 3 mm.
 40. *A. heterophyllum* Bl.
7. Leaflets 5-7; linear to elliptic; appendix 4-6 cm x ca. 1 mm, erect or slightly recurved.
 44. *A. saxatile* Buchet
2. Leaves 2.
 8. Leaflets 5-17, rhombic-ovate, oblong to lanceolate, middle 5-30 x 1-7 cm; spathe blade ovate or oblong; spadix often bisexual.
 45. *A. tortuosum* (Wall.) Schott
8. Leaflets 5-7, linear, elliptic to ovate-lanceolate, middle 6-11 x 2.6-4.0 cm; spathe blade oblong-lanceolate, ca. 3 cm wide; spadix unisexual.
 44. *A. saxatile* Buchet
1. Spathe throat margin auriculate.
 9. Leaves 2; leaflets 9; oblanceolate, 10-25 x 2.5-6.0 cm; spathe throat margin semiorbiculate to auriculate; lower appendix sparsely covered with sterile flowers.
 46. *A. hunanense* Hand.-Mazz.
9. Leaf 1.
 10. Leaflets 13-19, oblanceolate; spathe throat margin with long free, elliptic "auricles" 2-3 x 1.0-1.5 cm; spathe blade contracted at base, ovate.
 48. *A. auriculatum* Buchet
10. Leaflets 7; oblong-elliptic; spathe throat margin with rounded auricles to 1 cm wide, not free; spathe blade deltate-ovate.
 47. *A. cordatum* N.E. Br.

Arisaema Sect. 7 *Dochafa*

- Single species
 49. *A. flavum* (Forssk.) Scho

Arisaema Sect. 8 *Flagellarisaema*

- Two species, one in China
 50. *A. aridum* H. Li

Arisaema Sect. 9 *Decipientia*

1. Spathe [tube] of different colors, blade purple; appendix glabrous; leaflets 7 (-5)
 51. *A. decipiens*
1. Spathe yellowish green, yellow or reddish, with dark purple or black spots; appendix dark purple with black spots, upper parts or apex with fleshy, acute or linear aculei, erect; leaflets 3-5
 52. *A. rhizomatosum* C. Fische

Arisaema* Sect. 10 *Arisaema

1. Rhizome cylindric; leaflets 5; spathe blade purple; dark purple punctate, tube greenish white to white; appendix thin, cylindric or long-fusiform, below with numerous 3-4 mm long, sterile flowers.

53. *A. hainanense* H. Li, et al.

1. Tuber globose or depressed-globose.

2. Spathe throat margins without auricles.

3. Appendix sessile, with sterile flowers at base; leaflets more than 7.

4. Appendix 3-7 cm long, 1.5 mm thick, suddenly expanded into conoid or clavate apex that is 3-5 (-10) x 2-3 (-5) mm, apex densely papillose

54. *A. clavatum* Buchet

4. Appendix long-cylindric, 7 cm long, 5-7 mm thick at mid and upper parts, glabrous

55. *A. du-bois-reymondiae* Engl.

3. Appendix conspicuously stipitate, truncate at base, without sterile flowers.

5. Leaflets numerous (5-14), linear-lanceolate, lanceolate, long-elliptic to obovate; appendix thinner, 3.5 cm long, 2-4 mm thick, stipe 4-5 mm long.

56. *A. angustatum* var. *peninsulae* (Nakai) Nakai

5. Leaflets 5 (-3), rarely 7.

6. Leaves 2; appendix 2.2-5.7 cm long, lower part thickened, expanded, apex obtuse, sometimes nearly globose, 0.5-1.0 cm thick.

7. Leaflets 5.

8. Leaflets entire.

58a. *A. sikokianum* var. *sikokianum* Fr. & Sav.

8. Leaflets serrate.

58b. *A. sikokianum* var. *serratum* (Mak.) W. Hand.-Mazz.

7. Leaflets 7.

58c. *A. sikokianum* var. *henryanum* (Engl.) H. Li

6. Leaf 1.

9. Leaflets entire.

57a. *A. amurense* var. *amurense* Maxim.

9. Leaflets serrulate.

57b. *A. amurense* var. *serratum* Maxim. Nakai

2. Spathe throat margin with conspicuous auricles.

10. Leaves pedatisect; spathe throat margin conspicuously recurved, slightly auriculate.

11. Appendix sessile, attenuate to base, cylindric, 2.5-3.5 cm x 2-3 mm; leaflets usually 7; ellipti-lanceolate

59. *A. meleagris* Buchet

11. Appendix conspicuously stipitate; base thickened, truncate; leaves 2, leaflets 5-17.

12. Upper appendix clavate, rugose; spathe blade shortly acuminate; leaflets serrate.

62. *A. serratum* (Thunb.) Sc

12. Upper appendix not expanded, glabrous; spathe blade long-acuminate; leaflets entire.

61. *A. japonicum* Bl.

10. Leaves palmatisect, leaflets 5-7, lateral leaflets unequal at base, auriculate outside; appendix stipitate, base truncate, 2.0-7.5 cm x 5-6 mm.

60. *A. nepenthoides* (Wall.) Mart.

Arisaema* Sect. 11 *Tenuipistillata

1. Tuber globose.
2. Spathe green, without free auricles.
3. Spathe blade shorter than tube, deltate; leaflets narrow-lanceolate, 2-7 cm x 4-10 mm, sinuate; appendix erect, 2.5 cm long.
 63. *A. brevispathum* Buchet
3. Spathe blade longer or nearly equalling tube, ovate or ovate-lanceolate.
4. Spathe throat margin oblique or slightly recurved; leaflets acuminate at apex, long-caudate.
5. Appendix exserted from spathe throat, upper part often suddenly recurved.
 64. *A. jacquemontii* Bl.
5. Appendix included in spathe throat, cylindric, erect.
 65. *A. wardii* Marq.
4. Spathe throat margin long-auriculate; leaflet apices with cauda 6 cm long.
 66. *A. soulei* Buchet
2. Spathe violet-purple, throat margin free-auriculate, auricles oblong, ca. 1 cm x 3 mm, patent.
 67. *A. hungyaense* H. Li
1. Rhizome short; leaflets 7; spathe blade violet-purple, throat margin rounded to narrowly auriculate; appendix erect, cylindric, thin-stipitate.
 68. *A. shimiense* H. Li

Arisaema Sect. 12 *Exappendiculata*

- Single species. 69. *A. exappendiculatum* Ha.

Arisaema Sect. 13 *Sinarisaema*

1. Spathe throat margin entire.
2. Appendix apex glabrous.
3. Leaflets 14, undulate-margined; appendix thick-clavate, narrowed to base, upper part to 1 cm thick.
 70. *A. undulatum* Krause
3. Leaflets entire.
4. Leaves 2.
5. Leaflets 9, oblanceolate; spathe purple with white striae, blade with linear cauda to 12 cm long; appendix thin, 7 cm x 1 mm.
 71. *A. oblanceolatum* Kitamura
5. Leaflets 11, linear-lanceolate; spathe green with white striae, blade with linear cauda 4.0-4.5 cm x 5-6 mm, female appendix with numerous sterile flowers.
 72. *A. biradiatifoliatum* Kitamura
4. Leaf 1.
6. Petiole longer than leaf blade; appendix more or less with sterile flowers.
7. Spathe green with white striae; leaflets 7-13.
8. Appendix thin, 4-5 cm x 1 mm, slightly recurved, sparsely covered with sterile flowers below.
 73. *A. formosanum* Hayata
8. Appendix thicker, 5-6 cm x 2-4 mm, middle and lower parts with obtuse sterile flowers to 7 mm long.
 74. *A. kelung-insulare* Hay.

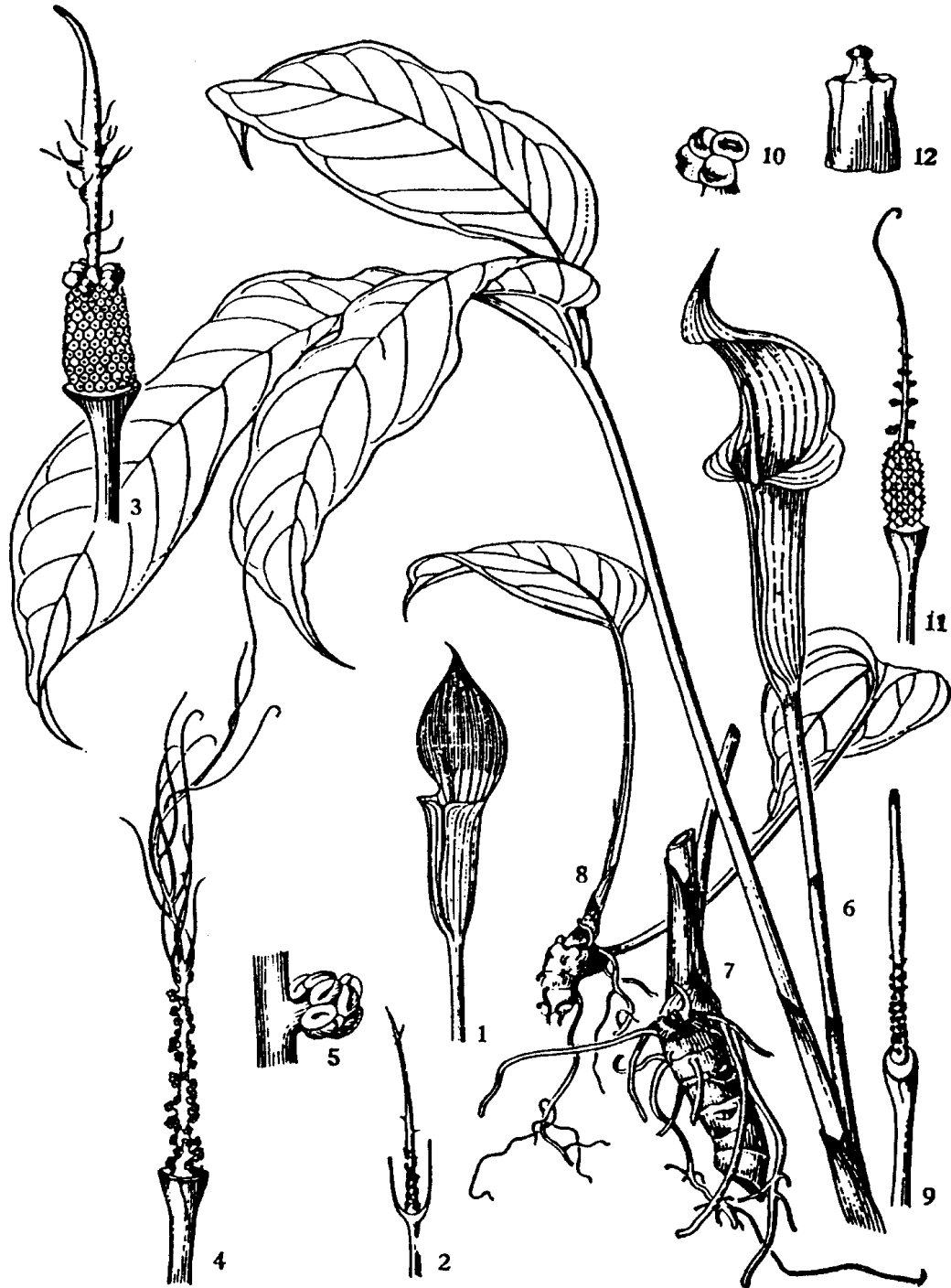
7. Spathe green or purple, with or without white striae; appendix narrowed toward base and apex, 2-4 cm long, 2.5-5.0 mm thick in middle, lower part with sterile flowers; leaflets few or more.
75. *A. erubescens* (Wall.) Schott
6. Petiole shorter than blade; leaflets 13, 30 x 6-7 (-10) cm.
76. *A. brevipes* Engl.
2. Appendix apex ciliate or rugose.
9. Appendix clavate, stipitate, 2.2-6.0 cm x 5-9 mm, apex densely echinate for more than 0.7 mm.
78. *A. echinatum* (Wall.) Schott
9. Appendix thin-cylindric, sessile, 2-4 mm thick, apex rugose, lower part with numerous sterile flowers.
77. *A. concinnum* Schott
1. Spathe throat margin oblique-truncate, ciliate, blade violet-purple with greenish white striae that nearly reach the blade margin.
79. *A. ciliatum* H Li

Species Arisaematis Incertae Sedis

80. *A. silvestrii* Pamp. (Hubei)
80. *A. nantciangense* Pamp. (Hubei)
80. *A. zanolanscianense* Pamp. (Hubei)

Flora of China

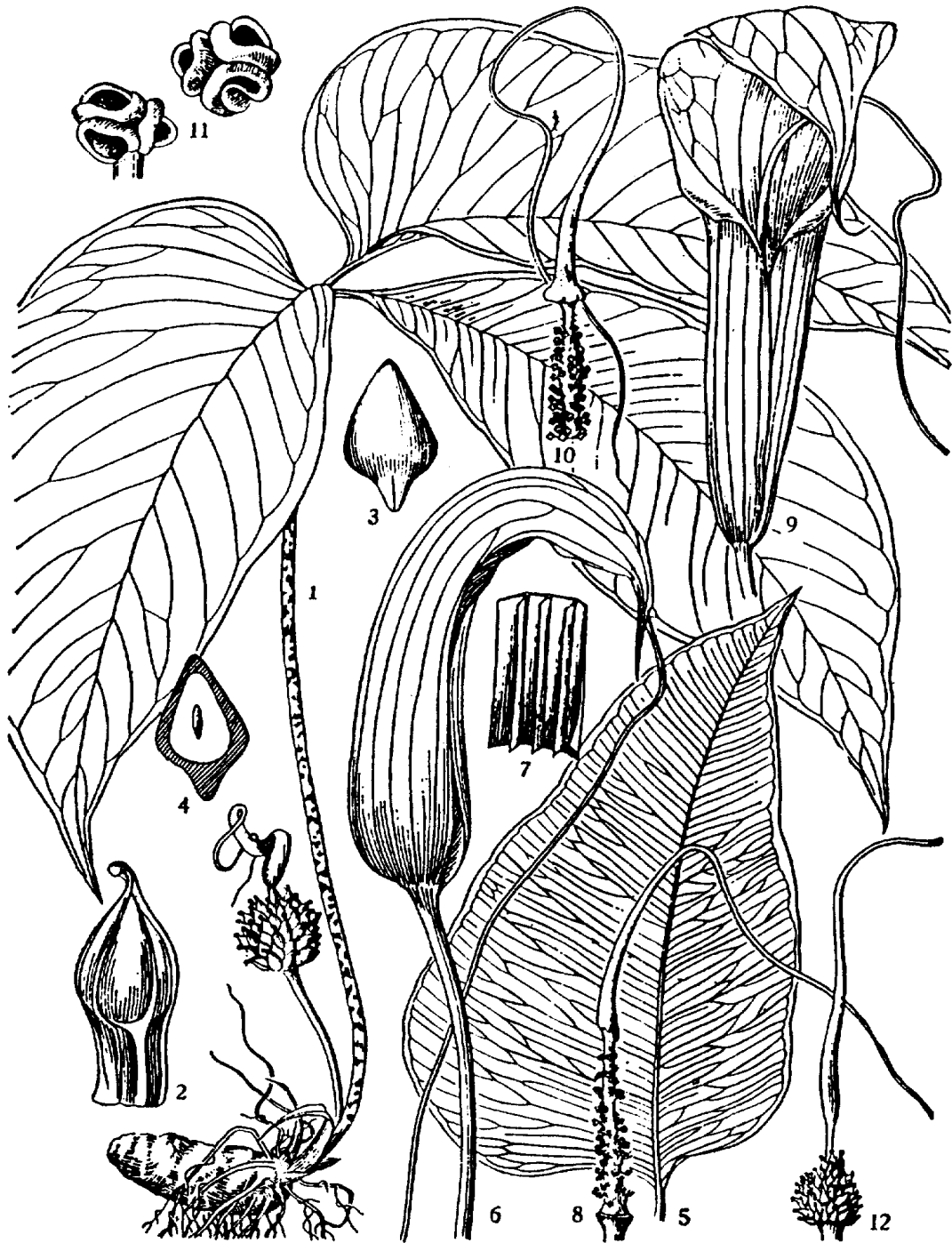
Arisaema Plates



1—2. 滇南星 *Arisaema austro-yunnanense* H. Li: 1. 佛焰花序, 2. 肉穗花序。3—5. 红根南星 *A. calcareum* H. Li: 3. 肉穗花序(♂), 4. 肉穗花序(♂), 5. 雄花。6—12. 三匹箭 *A. inkiangense* H. Li: 6. 植株上部, 7. 根茎, 8. 幼株, 9. 肉穗花序(♂), 10. 雄花, 11. 肉穗花序(♂), 12. 子房。(尚 浩绘)

Flora of China

Arisaema Plates



1—4. 美丽南星 *Arisaema speciosum* (Wall.) Mart.: 1. 植株, 2. 果, 3. 种子, 4. 种子纵剖。 5—7. 多脉南星 *A. costatum* (Wall.) Mart.: 5. 叶的右侧裂片, 6. 佛焰花序, 7. 佛焰苞内面的褶, 8. 雄性肉穗花序。 9—11. 两栖南星 *A. utile* Hook. f.: 9. 佛焰花序, 10. 肉穗花序(8), 11. 花药。 12. 高原南星 *A. intermedium* Blume: 肉穗花序。(肖 浴绘)

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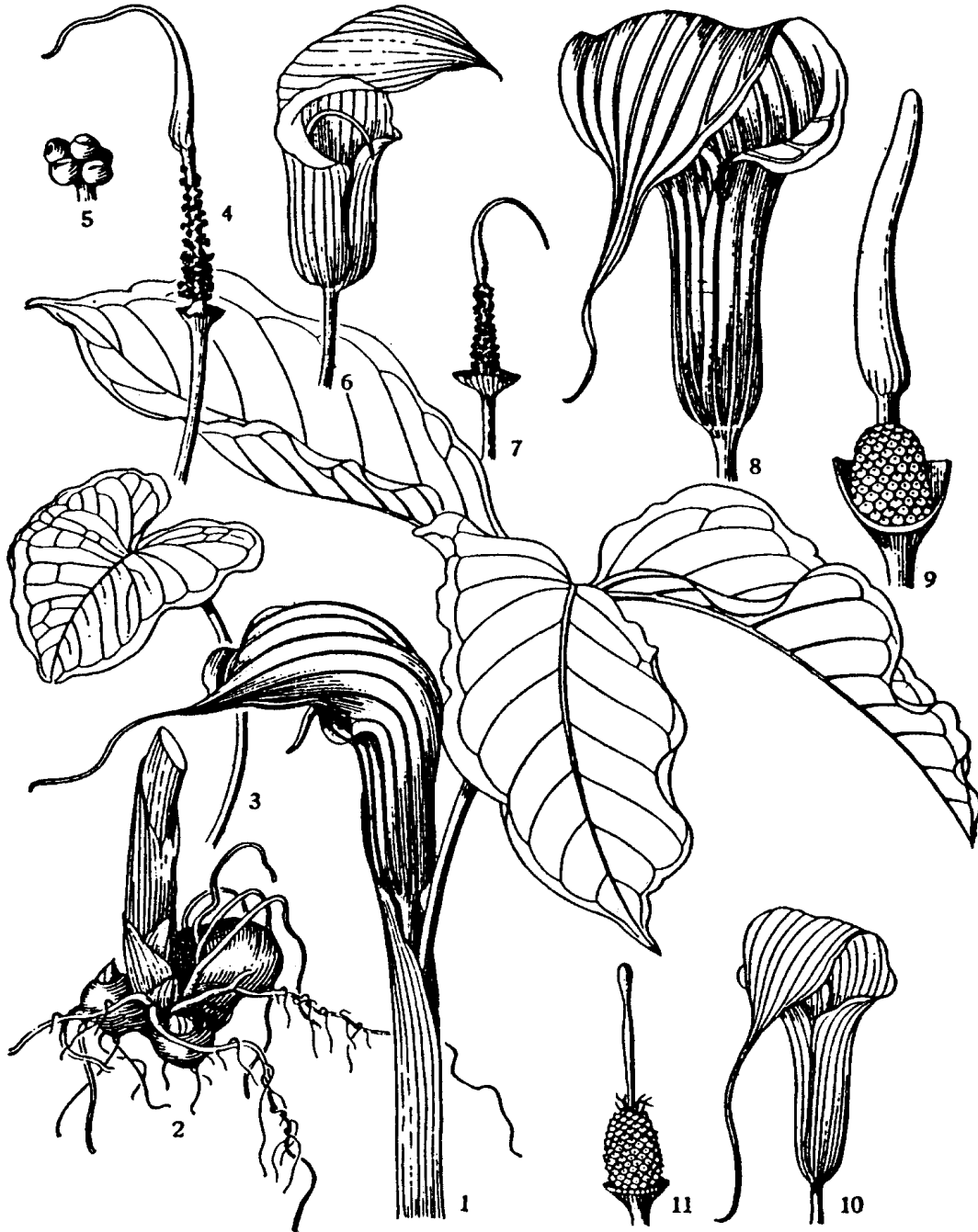
Arisaema Plates



1—7.山珠南星 *Arisaema yunnanense* Buchet: 1.植株, 2.幼叶, 3.雄性肉穗花序, 4.雄花, 5.雌性肉穗花序, 6.子房, 7.子房纵剖。8—10.银南星 *A. bathycoleum* Hand.-Mazt.: 8.佛焰花序, 9.叶片, 10.植株下部。11—13.画笔南星 *A. penicillatum* N. E. Brown: 11.佛焰花序, 12.雄性肉穗花序, 13.雄花。14.河谷南星 *A. prazeri* Engl.: 佛焰苞展开示肉穗花序。(肖 裕绘)

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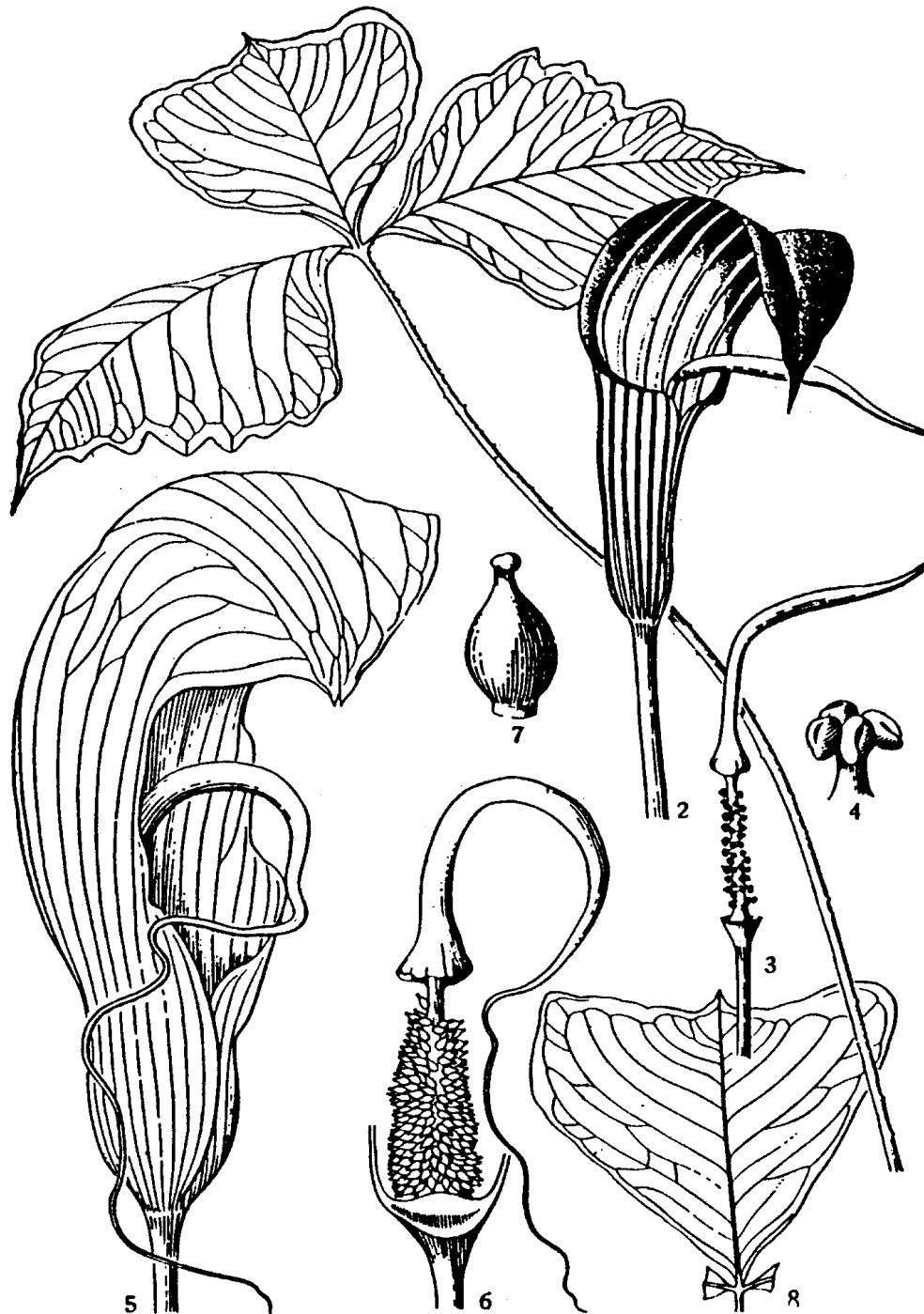
Arisaema Plates



1—5. 象头花 *Arisaema franchetianum* Engl.: 1. 植株, 2. 块茎, 3. 幼叶, 4. 雄性肉穗花序, 5. 雄花。
6—7. 白苞南星 *A. candidissimum* W. W. Smith: 6. 佛焰花序, 7. 雄性肉穗花序。8—9. 螃蟹七 *A. fargesii* Buchet: 8. 佛焰花序, 9. 果序。10—11. 瑶山南星 *A. sinii* Krause: 10. 佛焰花序, 11. 雌性肉穗花序。
(肖 溶绘)

Flora of China

Arisaema Plates



1—4. 刺柄南星 *Arisaema asperatum* N. E. Brown: 1. 叶, 2. 佛焰花序, 3. 雄性肉穗花序, 4. 雄蕊。5—8. 川中南星 *A. wilsonii* Engl.: 5. 佛焰花序; 6. 肉穗花序 (具幼果), 7. 子房, 8. 叶的中裂片。
(肖 榕绘)

Flora of China

Arisaema Plates



1—3. 粗序南星 *Arisaema dilatatum* Buchet: 1. 佛焰花序, 2. 肉穗花序(具幼果), 3. 果。4—5. 疣序南星 *A. handelii* Stapf ex Hand.-Mazz.: 4. 佛焰花序, 5. 雄性肉穗花序。6—7. 象南星 *A. elephas* Buchet: 6. 植株, 7. 雄性肉穗花序。8—9. 小南星 *A. parvum* N. E. Brown: 8. 植株, 9. 肉穗花序(♂)。(肖 榕绘)

Flora of China

Arisaema Plates



1—6. 凌云南星 *Arisaema lingyunense* H. Li: 1. 叶, 2. 块茎, 3. 佛焰花序, 4. 雌性肉穗花序, 5. 子房, 6. 子房剖开示胚珠。7—8. 腾冲南星 *A. tengtungense* H. Li: 7. 植株, 8. 雄性肉穗花序。(肖 溶绘)

Flora of China

Arisaema Plates



1—3. 双耳南星 *Arisaema biauriculatum* W. W. Sm. ex Hand.-Mazz.: 1. 植株, 2. 块茎, 3. 雄性肉穗花序。4—6. 普陀南星 *A. ringens* (Thunb.) Schott: 4. 植株, 5. 雄性肉穗花序, 6. 雄蕊。(肖 溶绘)

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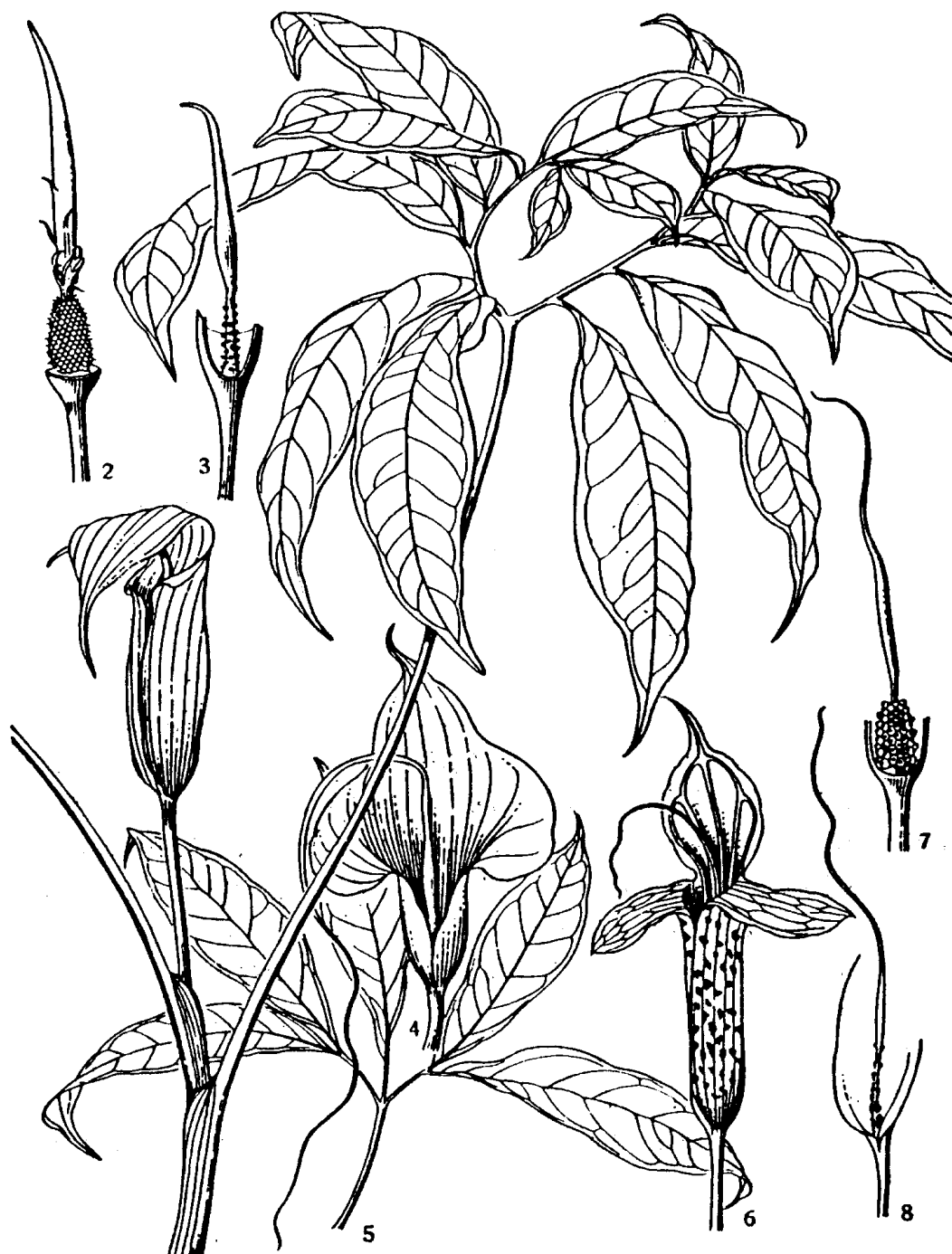
Arisaema Plates



1—3. 天南星 *Arisaema heterophyllum* Blume: 1. 植株, 2. 雄性肉穗花序, 3. 两性肉穗花序。4—7. 岩生南星 *A. saxatile* Buchet: 4. 植株, 5. 雄性肉穗花序, 6. 雄花, 7. 雌性肉穗花序。8—11. 曲序南星 *A. tortuosum* (Wall.) Schott: 8. 植株, 9. 雄性肉穗花序, 10. 雄花, 11. 子房。(肖 榕绘)

Flora of China

Arisaema Plates



1—3. 湘南星 *Arisaema hunanense* Hand.-Mazt.: 1. 植株, 2. 雌性肉穗花序, 3. 雄性肉穗花序。4—5. 心檐南星 *A. cordatum* N. E. Brown: 4. 佛焰花序, 5. 叶。6—8. 长耳南星 *A. auriculatum* Buchet: 6. 佛焰花序, 7. 雌性肉穗花序, 8. 雄性肉穗花序。(李锡畴绘)

Flora of China

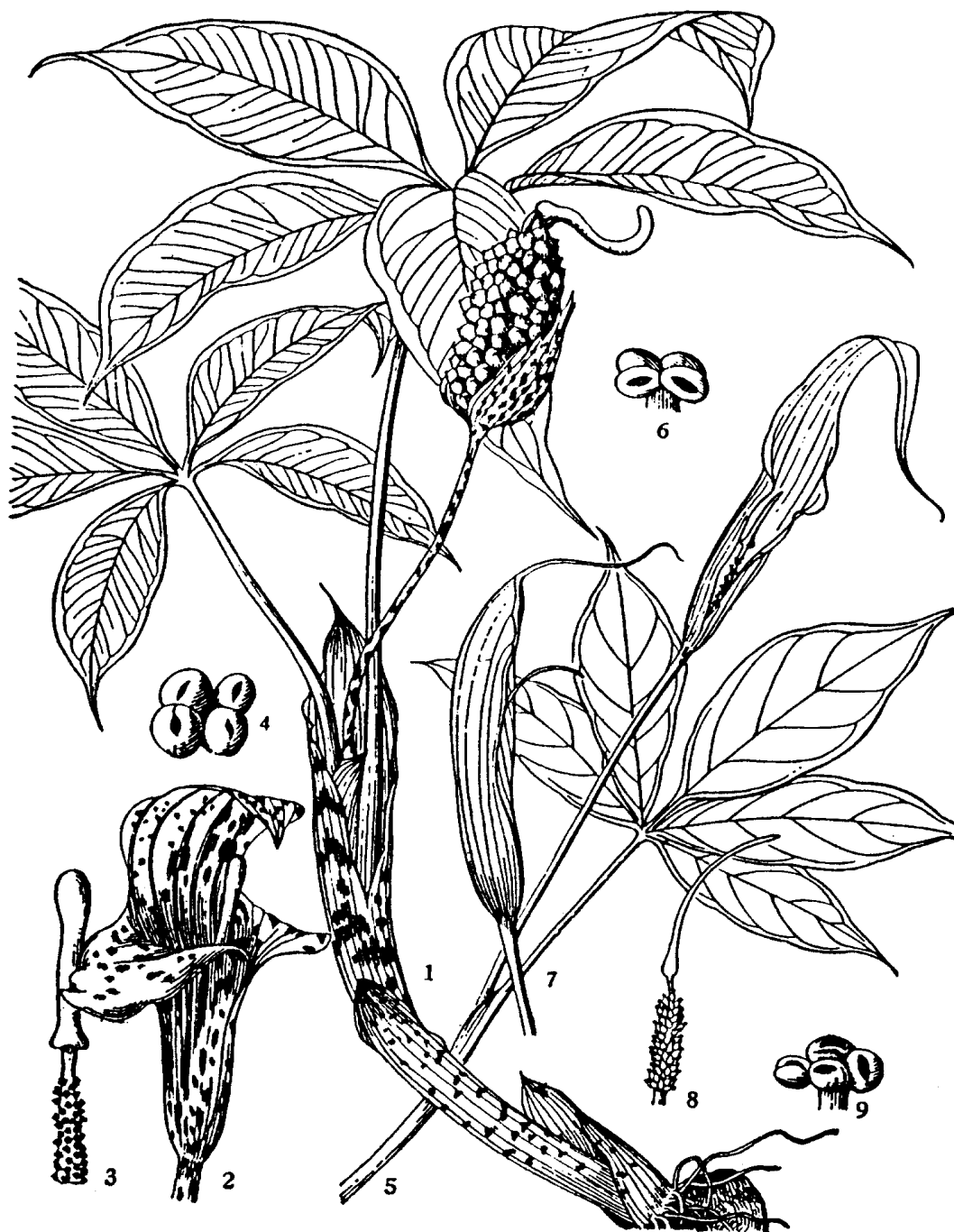
Arisaema Plates



1—3. 雪里见 *Arisaema rhizomatum* Fischer: 1. 植株, 2. 雄性肉穗花序, 3. 雌性肉穗花序。4—6. 旱生南星 *A. aridum* H. Li: 4. 植株, 5. 雄性肉穗花序, 6. 雄花。7—8. 奇异南星 *A. decipiens* Schott: 7. 植株, 8. 雌性肉穗花序。(肖 裕绘)

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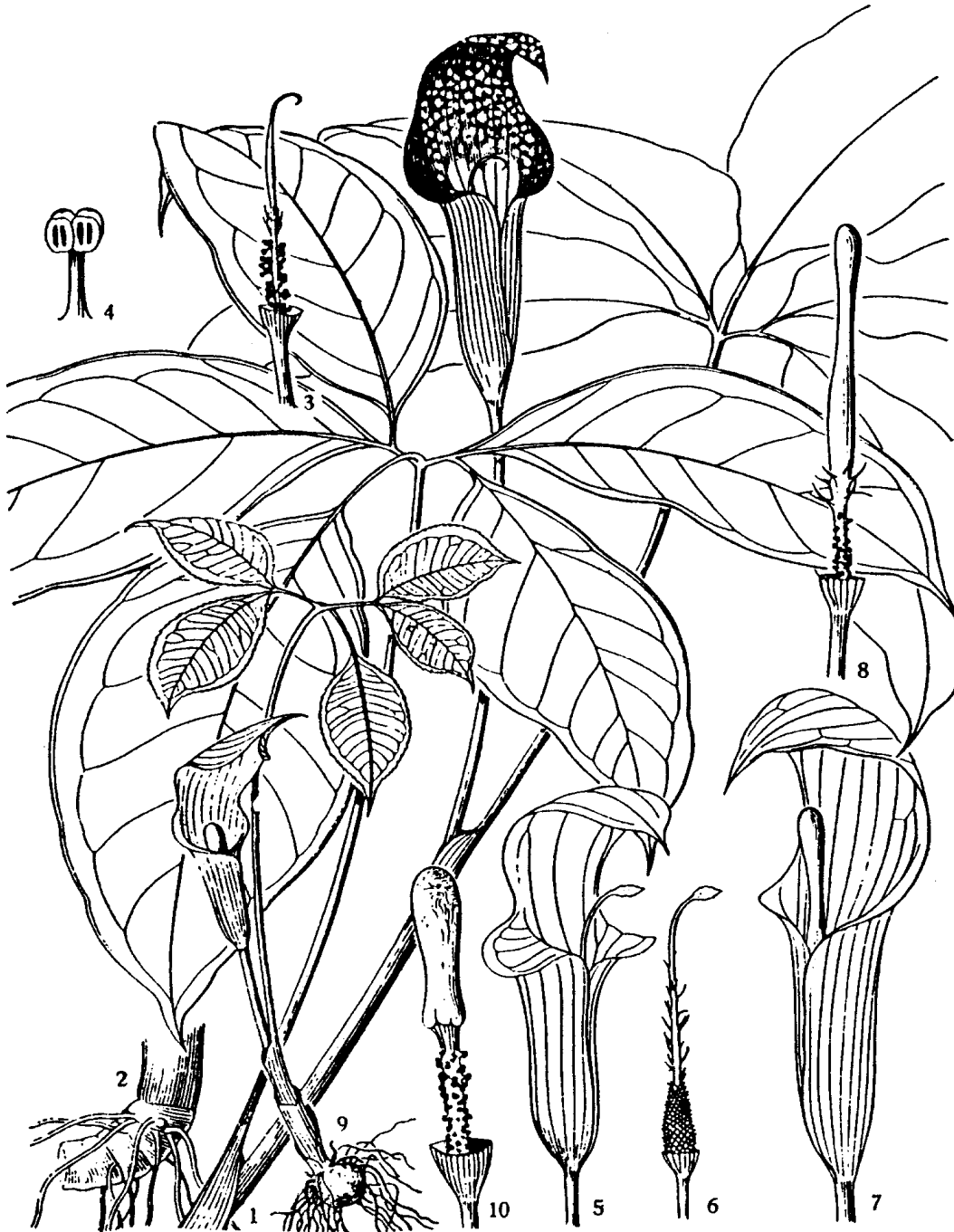
Arisaema Plates



1—4.猪笼南星 *Arisaema nepenthoides* (Wall.) Mart.: 1.植株, 2.佛焰花序, 3.雄性肉穗花序, 4.雄花。5—6.隐序南星 *A. wardii* Marg.: 5.植株(♂), 6.雄花。7—9.藏南绿南星 *A. jacquemontii* Blume: 7.佛焰花序, 8.雄性肉穗花序, 9.雄花。(肖 溶绘)

Flora of China

Arisaema Plates



1—4. 黎婆花 *Arisaema hainanense* C. Y. Wu: 1. 植株, 2. 根茎的一部分, 3. 雄性肉穗花序, 4. 雄花。
5—6. 棒头南星 *A. clavatum* Buchet: 5. 佛焰花序, 6. 雌性肉穗花序。7—8. 云台南星 *A. du-bois-reymondiae* Engl.: 7. 佛焰花序, 8. 雄性肉穗花序。9—10. 灯台莲 *A. sikokianum* Franch. et Sav. var. *serratum* (Mak.) Hand-Mazt. 9. 植株, 10. 雄性肉穗花序。(肖 溶绘)

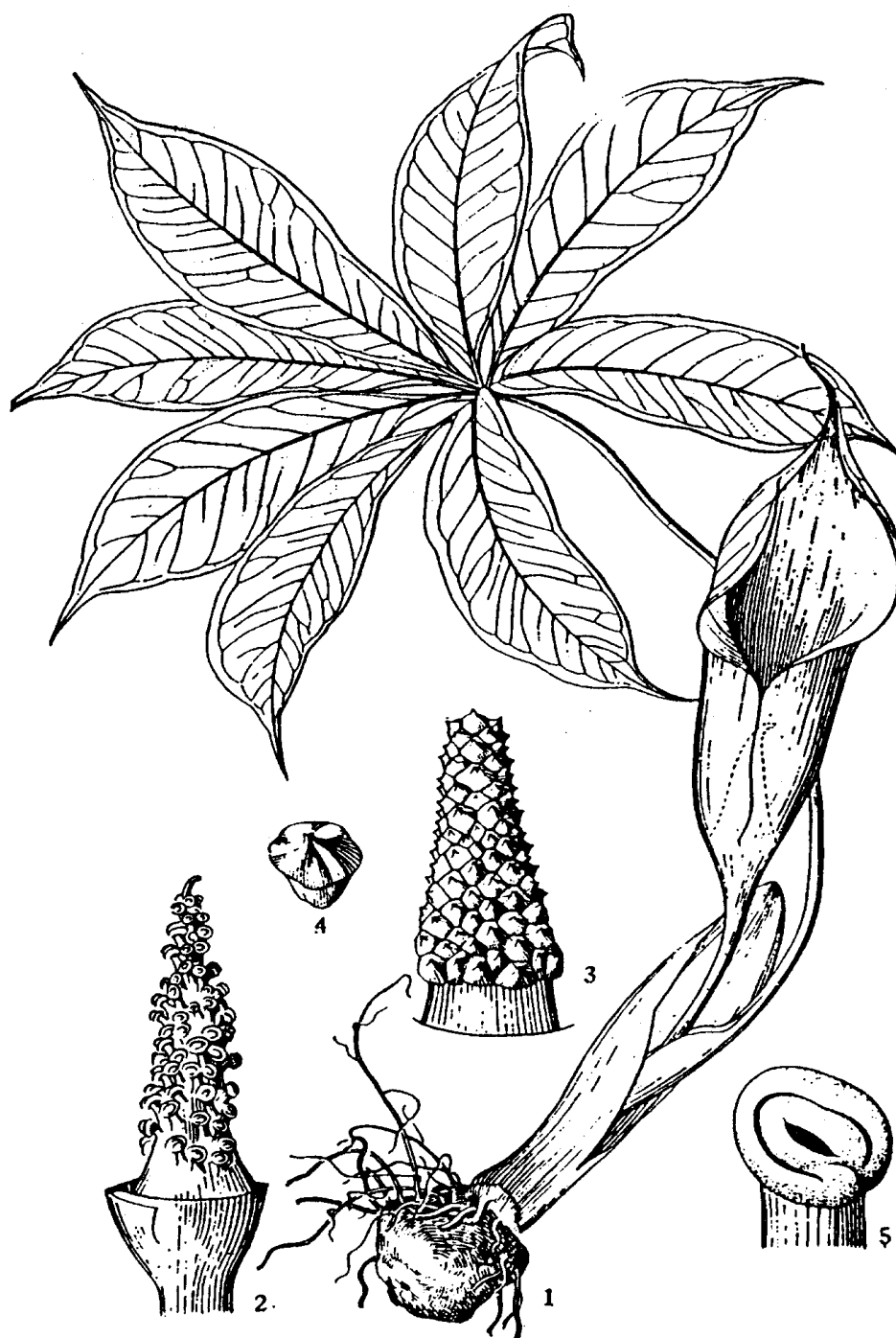
Flora of China

Arisaema Plates



1—3. 石棉南星 *Arisaema shimienense* H. Li: 1. 植株, 2. 肉穗花序(♂), 3. 雄花。4—5. 洪雅南星 *A. hungyaense* H. Li: 4. 叶, 5. 佛焰花序。(肖 溶绘)

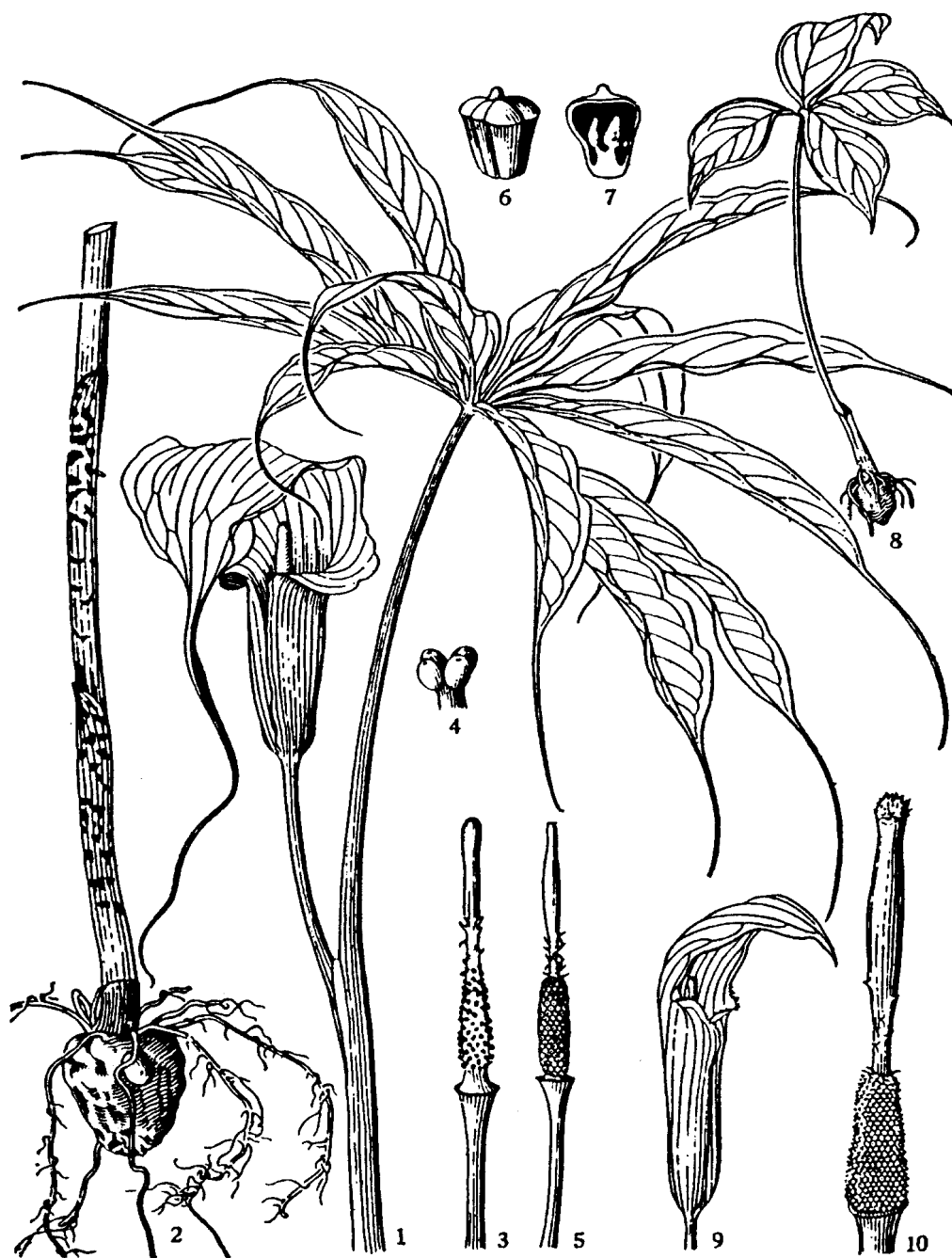
Flora of China
Arisaema Plates



图药南星 *Arisaema exappendiculatum* Hara: 1. 植株, 2. 雄性肉穗花序, 3. 果序, 4. 果, 5. 雄花。
(肖 溶绘)

Flora of China

Arisaema Plates



1—8. 一把伞南星 *Arisaema erubescens* (Wall.) Schott: 1. 植株上部, 2. 植株下部, 3. 雄性肉穗花序, 4. 雄花, 5. 雌性肉穗花序, 6. 子房, 7. 子房纵剖, 8. 幼苗。9. 缘毛南星 *A. ciliatum* H. Li: 佛焰花序。10. 刺棒南星 *A. echinatum* (Wall.) Schott: 雌性肉穗花序。(肖 海瑜)

