Short Communication

TETSUO KOYAMA*: Some Transfers of Names Related to Cyperaceae

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Lipocarpus, a small cyperaceous genus, has hitherto been placed near *Hypolytrum* of the subfamily Mapanioideae, but my morphological investigations led me to the conclusion that *Lipocarpus* is a special group of *Cyperus* systematically closest to *Kyllinga*. In my opinion, of the two so-called inner scales, the adaxial one is a prophyll, whereas the abaxial (or the upper) one is a floral scale. Thus, floral unit of *Lipocarpus* is a dorsiventrally compressed *Cyperus*-type spikelet. The full interpretation and discussion are given in a separate monograph of Asiatic Cyperaceae together with technical transfers of related names. I have picked up here some of them for the immediate needs.

1. *Cyperus ceylanicus* T. Koyama, nomen novum.—*Hypaelytrum sphacelatum* Vahl, Enum. Pl. 2: 283 (1806), non *Cyperum sphacelatus* Rottb. (1773)—*Scirpus hemisphaericus* Roth (1821), non *Cyperus hemisphaericus* Bockl. (1859)—*Hypolytrum ceylanicum* Heyne ex Nees in Linnaea **9**: 288 (1834), nomen nudum—*Lipocarpus sphacelata* (Vahl) Kunth (1837).

2. *Cyperus echinolepis* T. Koyama, nomen novum.—*Lipocarpus albiceps* Ridley in Trans. Linn. Soc. Ser. 2, **2**: 163 (1884), non *Cyperus albiceps* Ridley (1884).

3. *Cyperus fimbristylodes* T. Koyama, nomen novum.—*Lipocarpus paradoxa* Chermeson in Bull. Soc. Bot. France **68**: 425 (1921)—*Mariscus paradoxa* (Chermesz.) Chermeson (1925).

4. *Cyperus Lipocarpus* T. Koyama, nomen novum.—*Scirpus chinensis* Osbeck, Dagb. Ostindisk Resa, 220 (1757), non Munro (1857)—*Lipocarpus argentea* (Vahl) Kunth (1837)—*Lipocarpus senegalensis* (Lamk.) Th. & Hél. Durand (1909), non *Cyperus senegaiensis* Mattf. & Kükenth (1937)—*Lipocarpus chinensis* (Osbeck) Kern (1958), non *Cyperus sinensis* Debeaux (1877).

5. *Cyperus persquarrosus* T. Koyama, nomen novum.—*Lipocarpus pulcherrima* Ridley in Trans. Linn. Soc. Ser. 2, **2**: 162 (1884), non *Cyperus pulcherrimus* Willd. ex Kunth (1837)—*Lip. atropurpurea* Bockl. (1888), non *Cyperus atropurpureus* Pers. (1805)—*Lip. tenera* Bockl. (1888), non *Cyperus tener* Vahl (1806).

6. *Cyperus neo-Barteri* T. Koyama, nomen novum.—*Lipocarpus Barteri* C. B. Clarke in Dur. & Schinz, Consp. Fl. Afr. **5**: 650 (1895), non *Cyperus Barteri* Bockl. (1868)—*Kyllinga baoulensis* Cheval., Expl. Bot. Afr. Occid. Franc. **1**: 698 (1920), non *Cyperus baoulensis* Kükenth (1931).

7. *Cyperus Prieuriana* (Steud.) T. Koyama, comb. nova.—*Lipocarpus Prieuriana* Steudel, Synops. Pl. Gl. **2**: 130 (1855).

8. *Cyperus Sellowianus* (Kunth) T. Koyama, comb. nova.—*Lipocarpus Sellowiana* Kunth, Enum. Pl. **2**: 267 (1837).

9. *Cyperus submaculatus* T. Koyama, nomen novum.—*Hypolytrum argentea* H. B. K., Nov. Gen. & Sp. Pl. 218 (1815), non *Cyperus argenteus* Ridl. (1884)—*Kyllinga maculata* Michx., Fl. Bor.-Amer. **1**: 29 (1803), non *Cyperus maculatus* Bockl. (1864)—*Lipocarpus Humboldtiana* Nees (1834), non *Cyperus Humboldtianus* Schult. (1824)—*Lip. maculata* (Michx.) Torrey.

10. *Cyperus unistamen* T. Koyama, nomen novum.—*Lipocarpus minima* Chermeson in Bull. Soc. Bot. France **68**: 425 (1921), non *Cyperus minimus* Linn. (1753).

11. *Cyperus Zollingeriana* (Bockl.) T. Koyama, comb. nova.—*Lipocarpus Zollingeriana* Bockl. in Flora **42**: 100 (1859)—*Lipocarpus microcephala* (R. Br.) Kunth (1837), non *Cyperus microcephalus* R. Br. (1810)—*Isolepis squarrosa* Miq. (1865), non *Cyperus squarrosus* Linn. (1756)—*Ascolepis kyllingioides* Steudel (1855), non *Cyperus kyllingaeoides* Vahl (1806).

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