

**AN ANNOTATED CHECKLIST OF GENUS
PHYTOSCAPHUS SCHOENHERR (COLEOPTERA:
CURCULIONIDAE: CYPHICERINI)**

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ABSTRACT: *Phytoscaphus* is an entimine genus of which 57 species are known so far. An annotated checklist prepared including its synonyms and different subspecies indicate that this genus is predominantly tropical with most of the species known from the Oriental region.

KEY WORDS: *Phytoscaphus*, checklist, synonyms, distribution

The weevils or snout beetles of the superfamily Curculionoidea are the most important insect herbivores, with Curculionidae being the largest of these groups with approximately 60,000 species under 6000 genera (Marvaldi & Lanteri, 2005). Broad nosed weevils of the subfamily Entiminae are one of its largest groups distributed throughout the world particularly in tropics with 55 tribes, 1340 genera (Nikolai et al., 2006) and 12,000 species (Alonso-Zarazaga & Lyal, 1999).

Phytoscaphus is one such entimine genus first described by Schoenherr (1826), and this stands currently under subtribe Phytoscaphina of the tribe Chyphicerini (Alonso-Zarazaga & Lyal, 1999). Economic importance of this group reveals that it infests a number of crops (Nayar et al., 1975; Butani & Jotwani, 1984; Varma et al., 1988; Mukunthan & Sardana, 1989; Zhou & Zhou, 1989; Varma & Tandan, 1996; Ding et al., 2000).

In view of its economic importance, taxonomic studies are imminent and as a prelude to such studies an annotated checklist had been prepared. The checklist reveals that it is well known from Indian subcontinent, south East Asian countries (Cambodia, Vietnam, Laos, Taiwan, Philippines and Indonesia), China, Japan, Africa and Afghanistan showing that it is largely Oriental. Myanmar and India are the regions from where 46 species have been reported with most taxonomic work done from the eighteenth century to the beginning of the nineteenth. Except for Pajni (1990) the studies were lacking indicating the need for a revisionary study. These studies have revealed the following significant findings:

Persual of literature reveals that among the species of *Phytoscaphus* the earliest known was *P. triangularis* described under *Curculio* (Olivier, 1807) as *Curculio triangularis* (Olivier) which was later assigned to the genus *Phytoscaphus* by Schoenherr (1826). Motschulsky (1858) assigned subgenus *Rhyposchromus* to *Phytoscaphus* and described five species under it namely *cruciger*, *laticollis*, *obliquus*, *ornatus* and *setifer* mainly from Myanmar. Among the Indian fauna the earliest known species was *inductus* and it was directly described under *Phytoscaphus* by Boheman in Schoenherr (1843).

Review of literature reveals lapses in the descriptions warranting an extensive taxonomic study. The present contribution enlists the 57 species alongwith the historic details of subgenera, synonyms, subspecies and distribution.

Genus *Phytoscaphus* Schoenherr*Phytoscaphus* Schoenherr, 1826: 210*Cnemodon* Schoenherr, 1823: 1145; Alonso-Zarazaga & Lyal, 1999: 154*Phytoscaphus* Thon in Ersch, J. S. & Gruber, J. G., 1836: 349 (Incorrect original spelling); Alonso-Zarazaga & Lyal, 1999: 154**Rhypochromus* Motschulsky, 1858: 83 (Subgenus of *Phytoscaphus*); Alonso-Zarazaga & Lyal, 1999: 154*Rypochromus* Lacordaire, 1863: 622 (Incorrect original spelling); Alonso-Zarazaga & Lyal, 1999: 154**Type species (by original designation) - *Curculio triangularis* Olivier, 1807: 420**

1. *alternans* Faust, 1894: 216 [Myanmar, Laos]
interstitialis Aurivillius, 1891: 215; Schenkling & Marshall, 1931: 23
2. *annamensis* Faust, 1892: 512 [Vietnam]
3. *articollis* Boheman in Schoenherr, 1843: 415 [Philippines]
articollis Schoenherr 1843: 447; Schenkling & Marshall, 1931: 23
var. *banahaonus* Marshall, 1926: 351
var. *cretaceus* Marshall, 1926: 351
articollis Schoenherr see *articollis*
4. *aversus* Pajni, 1990: 308 [Myanmar]
5. *burmica* Pajni, 1990: 304 [Myanmar]
6. *carinirostris* Faust, 1894: 213 [Myanmar]
7. *chlorohumeralis* Pajni, 1990: 324 [Myanmar]
8. *chlorolateralis* Pajni, 1990: 332 [India]
9. *chloroticoides* Voss, 1959: 100 [Afghanistan]
10. *chloroticus* Boheman in Schoenherr, 1843: 413 [India, Myanmar, Japan, Cambodia, India, Sri Lanka]
chloroticus ab. *cuprescens* Aurivillius, 1891: 215; Schenkling & Marshall, 1931: 23
11. *ciliatus* Roelofs, 1873: 176 [Japan]
ciliaris Sharp, 1896: 112; Schenkling & Marshall, 1931: 23
ciliaris Sharp see *ciliatus*
- crassirostris* Faust, 1897: 385 to *Crinorrhinus* Marshall, 1941: 373
12. *crispus* Pajni, 1990: 318 [India]
13. *cruciger* Motschulsky, 1858: 85* [Myanmar]
cuprescens Aurivillius see *chloroticus*
14. *decorus* Pajni, 1990: 310 [India]
15. *delusus* Pajni, 1990: 326 [Myanmar]
16. *dentirostris* Voss, 1958: 28 [China]
dissimilis Marshall, 1915: 377 to *Parascaphus* Marshall, 1944: 445
17. *egregius* Faust, 1897: 385 [India]
18. *elegans* Hoffman, 1966: 82 [Afghanistan]
erro Pascoe see *triangularis*
19. *formosanus* Matsumura, 1911: 142 [Taiwan]
20. *foveifrons* Faust, 1897: 386 [India]
21. *fractivirgatus* Marshall, 1923: 283 [India]
22. *fuscofasciatus* Pajni, 1990: 339 [India]
23. *gossypii* Chao, 1974: 482 [China]
24. *himalayanus* Faust, 1891: 274 [Myanmar]
25. *ictericus* Boheman in Schoenherr, 1834: 643 [Africa]
26. *imitator* Faust, 1894: 215 [Myanmar]
immeritus Schoenherr, 1826: 212 to *Chloebius* Schoenherr, 1826: 211

27. *inductus* Boheman in Schoenherr, 1843: 411 [India]
nepalensis Boheman in Schoenherr, 1843: 412; Schenkling & Marshall, 1931: 24
nepalensis Boheman in Schoenherr var. *similis* Faust, 1891: 274
interstitialis Aurivillius see *alternans*
28. *kaulbacki* Pajni, 1990: 341 [Myanmar]
29. *laticollis* Motschulsky, 1858: 84* [Myanmar]
30. *leporinus* Faust, 1892: 192 [Indonesia]
31. *limis* Pajni, 1990: 335 [Myanmar]
32. *lineatus* Faust, 1891: 274 [India]
similis Faust, 1891: 274; Schenkling & Marshall, 1931: 24
var. *lineatus plagiatus* Pajni, 1990: 308
33. *liratirostris* Pajni, 1990: 337 [India]
- lixabundus* Boheman in Schoenherr see *triangularis*
34. *lobbichleri* Voss, 1962: (1-12) [Nepal]
35. *marshalli* (Pajni & Chhibba, 1972: 695) [India]
Diatropus marshalli Pajni & Chhibba, 1972: 695; Pajni, 1990: 343
nepalensis Boheman var *similis* see *inductus*
- nubilus* Faust, 1894: 218 to *Pseudophytoscaphus* Pajni, 1990: 281
36. *obliquus* Motschulsky, 1858: 84* [Myanmar]
37. *onustus* Pascoe, 1885: 217 [Indonesia]
38. *ornatus* Motschulsky, 1858: 85* [Myanmar]
39. *orthideres* Pajni, 1990: 314 [India]
40. *parilis* Faust, 1894: 219 [Myanmar]
41. *perversus* Faust, 1894: 217 [Myanmar]
var. *despectus* Faust, 1894: 217
42. *porcellus* Faust, 1894: 220 [Myanmar]
43. *setifer* Motschulsky 1858: 84* [Myanmar, Indonesia]
44. *setosus* Aurivillius, 1891: 216 [Laos]
45. *siamensis* Boheman in Schoenherr, 1843: 414 [Sri Lanka, Myanmar, Indonesia, Philippines]
var. *geminatus*, Faust, 1894: 215
46. *signatus* Pajni, 1990: 328 [Myanmar]
similis Faust see *lineatus*
47. *subfasciatus* Voss, 1932: 290 [Szetschwan]
48. *suspensus* Pajni, 1990: 323 [Myanmar]
49. *suturalis* Pascoe, 1885: 218 [Indonesia]
50. *tamarixus* Pajni, 1990: 312 [India]
51. *tenuirostris* Marshall, 1923: 285 [India]
52. *trepidus* Faust, 1894: 220 [Myanmar]
53. *triangularis* (Olivier, 1807: 420) [Myanmar, India, Cambodia, China, Indonesia, Afghanistan]
Curculio triangularis Olivier, 1807: 420; Schoenherr, 1826: 210
erro Pascoe, 1885: 217; Schenkling & Marshall, 1931: 24
lixabundus, Boheman in Schoenherr, 1834: 642; Schenkling & Marshall, 1931: 24
54. *vagenotatus* Pajni, 1990: 348 [Myanmar]
55. *vicinus* Voss, 1937: 249 [China]
56. *virgatus* Pajni, 1990: 316 [India]
57. *xiphias* Faust, 1894: 218 [Myanmar]

*Species described under Subgenera *Rhypochromus*

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