

TWO NEW SPECIES IN THE GENUS *CAPILLIPEDIUM* STAF

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Capillipedium longisetosum Bor, sp. nov. ab aliis speciebus hujus generis adhuc descriptis, arista perlonga (4 cm) facile distinguitur.

Gramen annuum, culmis multis erectis nonnunquam geniculato-adscendentibus, glabris levibusque nodis barbatis exceptis, teretibus. Foliorum laminae lineares, angustae, usque 10 cm longae, planae vel plerumque revolutae, supra scabrae, pilis e tuberculis ortis parce obtectae, infra glabrae; nervo mediano valido; vaginae valide carinatae, glabrae vel minute hispidae, leves, summae saepe inflatae et laminis vestigialibus instructae; ligulae membranaceae, 1.5 mm longae, truncatae, laceratae. Panicula 8 cm longa, 4-5 lata; axis rami ramulique graciles, glaberrimi; rami flexuosi, late patentes, in axillis laxè barbati; articuli pedicellique margine singulo dense ciliati, medio late hyalini. Racemi 7-10 mm longi, 3-4-articulati, Spiculae ad quemvis rhacheos nodum binae, altera sessilis, altera pedicellata. Spicula sessilis 3.5 mm longa, callo pilis albis dense barbato;

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gluma inferior oblongo-obtusa, dorso nitens, 3.5 mm longa, 9-nervia, dorso glaberrima sed apicem versus scaberula, inferne lateribus rotundata, apicem versus carinata; gluma superior 3.5 mm longa, navicularis, 3-nervia, lanceolato-acuta, apicem versus carina parce pilosa, ceterum glabra. Anthoecium inferius abest. Anthoecium superius hermaphroditum; lemma anguste stipitifforme in aristam validam productum; palea elliptico-acuta, hyalina; stamina 3; antherae 1.75 mm longae; styli 2; stigmata plumosa; arista perfecta, 4 cm longa; columna 2 cm longa, bigeniculata, castanea, brevissime hirsuta; lodiculae 2, cuneatae, carnosae. Spicula pedicellata 3-3.25 mm longa, anguste lanceolata; gluma inferior membranacea, 9-nervia, bicarinata, carinis scabra, ceterum glabra; gluma superior 2.5 mm lanceolata, 3-nervia. Anthoecia nulla.

SIAM. Bua Yai, Korat, 1 Nov 1931, *Put 4247* (typus, K).

Capillipedium nagense Bor, sp. nov., cum *C. assimile* (Steud.) A. Camus comparanda sed ab ea spiculis sessilibus multo majoribus, racemis 4-6-articulatis distincta.

Gramen perenne, rhizomate gracile repente, culmis multis erectis, glabris levibusque, nodis pilis albis dense barbatis exceptis, teretibus, gracilibus. Foliorum laminae lineares, basin versus angustatae, in apicem longe acuminatum attenuatae, supra et infra pilis e tuberculis ortis parcissime obsitae, planae, marginibus scabrae, nervo mediano valido; vaginae culmos arcte complectentes, valide compressae, carinatae, glabrae levesque vel faucem versus pilis e tuberculis ortis et ad margines obsitae; ligulae breves, ca 1 mm longae, brevissime ciliatae. Panicula 8 cm longa, 2 cm lata; axis, rami ramulique leves glabrique, axillis pilosi; racemi 10-15 mm longi, 4-6-articulati; articuli pedicellique 2.5 mm longi, utrinque secus ciliati, medio late hyalini. Spiculae ad nodos rhacheos binae, altera sessilis, altera pedicellata. Spicula sessilis; gluma inferior 4 mm longa, oblonga, apici obtusa vel rotundata 9-nervia, nervis manifeste elevatis, lateribus inferne rotundatis, superne carinatis, ciliato-scabridis; gluma superior navicularis, 3-nervia, dorso glabra levisque, oblongo-acuta, 4 mm longa. Anthoecium inferius vacuum; lemma oblongum, 2.5-2.75 mm longum, hyalinum truncatum, palea nulla. Anthoecium superius foemininum vel hermaphroditum; lemma angustum, stipitifforme in aristam perfectam productum; palea nulla; stamina 3; antherae 2.5 mm longae; lodiculae 2, cuneato-truncatae; arista 19-20 mm longa; columna 8 mm longa, torta, castanea. Spicula pedicellata 5 mm longa, anguste lanceolato-acuta; gluma inferior spiculae aequilonga, 9-nervia, lateribus inferne rotundata, superne carinata, carinis scaberrima; gluma superior 5-nervia. Anthoecia ad lemmata hyalina redacta, neutra, raro masculina; antherae 2.5 mm longae.

INDIA: Naga Hills, Dzulake Valley, 2670 m, Sep 1933, *N. L. Bor's collector 353* (typus, K).