

NOTES ON AUSTRALIAN CYPERACEAE II.

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ELEOCHARIS *Brassii* S. T. Blake, sp. nov. aff. *E. nuda* C. B. Clarke, sed differt habitu robustiore glumis minus appressis, nuce multo majore, setis persistentibus.

Perennis, caespitosa, stolonifera; stolonibus ca. 1.5 mm. diam. *Culmi* erecti vel suberecti, 40-50 cm. alti, rigidi, subteretes, sub spicula vix trigoni, 3.5 mm. diam., in sicco plus minusve compressi, leviter striati, rugulosi nec septati. *Vaginae* pro more 2 laxiuseculae, orifice obliquae, membranaceae, purpurascens, superior plus minusve striata, orifice firma, brevissime mucronata. *Spicula* 3.5 cm. longa, 4.5 mm. lata, linearis, acuta, densiflora, spiraliter angulata. *Glumae* (prima latiore brevique excepta) ovatae, obtusae, concavae nec carinatae, pluristriatae, stramineae sed intus marginibus brunneozonatae et tota parte anteriore brunneo-punctatae, rigidae, marginibus extremis tenuiter hyalinae, 4.8-5 mm. longae, 2.5 mm. latae. *Stamina* 3, antherae lineares apiculatae, ca. 2.8 mm. longae. *Stylus* bifidus. *Nux* late obovata, subtruncata, 1.8-2 mm. longa, 1.6-1.7 mm. lata, aequaliter turgide biconvexa, leviter costata, nitide fulva vel brunnescens, utroque latere cellulis extimis hexagonis ca. 20-seriatis striata vel reticulata, apice $\frac{1}{4}$ - $\frac{1}{3}$ parte angustiore, annulo toroso instructa; stylobasis pallida, cellulosa, complanata, triangulari-ovata, $\frac{2}{3}$ - $\frac{1}{2}$ nucis aequans. *Setae hypogynae* 6 quarum 4 (interiores) nuce paullo breviores dentibus firmis retrorsim scabrae, 2 (interiores) tenuissimae minimae vel nullae.

Type: Queensland, Cook District—Forest Home Station, Gilbert River, in the swamps, April, 1931, *Brass* 1864. (Herb. Bris.).

Distrib.: North Australia, North Queensland.

Eleocharis pallens S. T. Blake sp. nov. aff. *E. acuta* R. Br. a qua culmis gracilioribus densissime caespitosis, rhizomate brevissimo, spicula tandem pallida, antheris brevioribus apiculatis, nuce brevioribus marginibus costata, stylobasi plerumque brevioribus differt.

Perennis, densissime caespitosa, rhizomate brevi haud repentis. *Culmi* pernumerati, erecti vel suberecti, ad 5 dm. alti, graciles, subteretes, laeves sed longitudinaliter manifeste 9-10 sulcati, 0.6-1.0 mm. diam. *Vaginae* firme membranaceae, arcte appressae, leviter striatae, superior orifice truncata, incrassata et discolorata, mucrone erecta ad 2 mm. longa munita. *Spicula* linearo-cylindrica, basi obtusa, apice acuta vel subacuta, brunnea vel fulva, plerumque pallida, densiflora, plerumque 1-2 cm. longa, 2 mm. lata. *Glumae* numerosae, arcte appressae, vel raro aliquantum patentes, facillime deciduae, ovatae vel oblongo-ovatae, acutae apice triangulares, scariosae, dorso leviter carinatae, plus minusve brunneo-tinctae, ceterum hyalinae, 2.9-3.3 mm. longae. *Stamina* 3, antherae lineares, apiculato-ristatae, cum crista 0.15 mm. longa 1.6-2.0 mm. longae. *Stylus* trifidus (rarissime de casu bifidus). *Nux* late obovata vel suborbicularis vel basin versus nonnunquam aliquantulum attenuata, plus minusve inaequaliter

biconvexa vel subplanoconvexa, saepe turgida, marginibus costata, fulva vel brunnea vel nonnunquam fusca, nitida, lateribus laevis vel rugulosa, plerumque leviter reticulata (cellulis extimis parvis verticaliter breviter oblongis, saepe prominulis) 1.1-1.4 mm. longa, 0.9 mm. lata. *Stylobasis* multo variabilis in eadem spicula, plerumque plus minusve deltoidea vel ovato-triangularis, saepissime compressa, pallida vel fulva, in parte inferiore plus minusve spongiosa et fimbriolata, ad $\frac{1}{3}$ nucis aequans; saepe tamen valde depressa ovata, vel substipitata. *Setae hypogynae* 7-10, plerumque validae, retrorsim scabrae, pallidae vel brunnescentes, plerumque subaequales nucis breviores longioresve, nonnunquam breves vel longissimae.

Type: Queensland, Warrego District, Offham ca. 25 miles south of Wyandra, in depressions in grassland, 700 ft., April 13, 1936, *Blake* 11235 (Herb. Bris.).

* Distrib.: Widely spread in the drier parts of the mainland of Australia.

Eleocharis plana S. T. Blake sp. nov. aff. *E. acuta* R. Br. sed praecipue culmo valde complanato latiusculo differt.

Rhizoma longe repens ca. 2 mm. diam., culmorum caespites distantes ferens. *Culmi* rigidi, erecti vel obliqui, ad 80 cm. alti, plani vel leviter plano-vel concavo-convexi, 2-4 (pro more 3) mm. lati, longitudinaliter striati, transversim irregulariter rugulosi. *Vaginae* rigide membranaceae vel subherbaceae, striatae, superior apice discolorata incrassata truncata vel fere truncata mucrone rigida 1.5-3 mm. longa munita. *Spicula* pallida vel brunnescens, lineari-cylindrica, subacuta, plerumque 10-15 mm. longa, 2-2.5 mm. diam. *Glumae* 2, infimae bracteiformes, ceterae fertiles ovatae, acutae, leviter carinatae, tenuiter membranaceae, stramineae, marginibus apice triangulari inclusa late hyalinae, 3.4-3.7 mm. longae. *Stamina* 3, antherae lineares, 1.4 mm. longae, crista lineari 0.2 mm. longa inclusa. *Stylus* trifidus. *Nux* tandem nitide brunnea, obovata, turgida, biconvexa, vix costata, minute punctulata vel rugulosa, 1.2-1.8 (plerumque 1.4) mm. longa, 1.0-1.1 mm. lata, cellulis extimis minutis breviter verticaliter oblongis; *stylobasis* triangula vel ovata, compressa, pallida, cellulosa, basi tumida, aliquantum hispidula, 0.6-0.8 mm. longa (ca. $\frac{1}{2}$ nucis aequans), 0.5 mm. lata; *setae hypogynae* 6-8, tenues, retrorsim scabrae, nucem cum *stylobasi* subaequantur.

Type: Queensland, Darling Downs District; Palardo, west of Miles, in swamps, 1,100 ft., February 16, 1935, *Blake* 7615 (Herb. Bris.). "Rhizome creeping, stems erect ca. 2 ft., dull green, rigid, nearly flat, faintly longitudinally striate, and more faintly transversely so."

Distrib.: Queensland (Port Curtis District, Moreton District, Darling Downs District), New South Wales.

The species described above will be fully discussed in a revision of the Australian members of the genus, which is almost complete.