

NEW SPECIES OF PICRIS (ASTERACEAE, LACTUCEAE)
FROM AUSTRALIA

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During preparatory work for a revision of the genus *Picris* L. (Asteraceae, Lactuceae) in Australasia a number of new species have been recognized. Two of them, both from the tropical southeastern part of Queensland in Australia, are described here.

PICRIS CAROLORUM-HENRICORUM LACK, SP.NOVA

Planta perennis 20-50 cm alta, lactifera; caudex 1-2 cm longus, lignosus, superne foliatus in radice palari perlonga, lignea, crassa elongata; caulis gracilis, erectus, pauciramosus, tota longitudine sparse pilis bihamatis ancoriformibus obtectus, apicem versus saepe nudus. Folia basalia et caulina 3-10 (25) cm longa, 0,2 - 0,6 (2,5) cm lata, angustissime obovata, lanceolata ad spathulata, denticulata vel mucronulata, utrinque sparse - imprimis secundum nervum medium - pilis bihamatis ancoriformibus obsita vel nudiuscula. Pedunculi graciles, erecti, semper fere nudi, interdum paucis squamulis 3-4 mm longis, c. 0,5 mm latis, anguste lanceolatis integris obsiti. Capitula pauca, gracilia, ramos terminantia, 30 - 40 - flora, fructifera c. 10 mm diametro. Involucrum e squamis anguste lanceolatis, supra nudis, inferne nudis vel minute canescente puberulis, raro perpaucis pilis brevibus simplicibus vel bihamatis ancoriformibus obsitis. Squamae exteriores 2-3 mm longae, ad 0,5 mm latae, interiores 8 - 10 mm longae, c. 1 mm latae margine late hyalinae. Corollae 12-14 mm longae, in vivo luteae, ligulae 6-8 mm longae, ad 2 mm latae, quinquedentatae, tubo apice et ligula basi et dorsaliter pilis simplicibus oblecto. Stamina c.3 mm longa, antherae c.2mm longae. Achenia conformia, brunnea ad atrobrunnea, 4-5 mm longa, c.1 mm diametro, fusiformia, utrinque attenuata, longitudinaliter quinquecostata, transverse rugosa et pappo 5-6 mm longo facile deciduo coronato. Radii papporum multi, fragiles, numerosis pinnulis longis obsiti (plumosi). Receptaculum nudum, alveolatum, squamae post dehiscentiam acheniorum reflexae. Numerus chromosomatum $2n = 10$.

Duobus Carolis Henricis in studiis Lactucearum meritissimis hanc speciem dicavi - Carolo Henrico Schultz Bipontino (1805-1867) medico hospitii deideshemienensis et

Carolo Henrico Reehinger vindobonensi (1907-) aulae consuli, musei vindobonensis historiae naturalis rectori emerito et floriae iranicae editori.

T y p e : Australia, Queensland, Point Cartwright, 80 km N of Brisbane, 6.XII.1976, L.PEDLEY 4402 (Holotype, B, fig.1). Achenes taken from this specimen have been germinated, cultivated in the Botanical Garden at Berlin-Dahlem (Lack Acc. No.234) and used for determination of the chromosome number; flowering and fruiting material of this progeny has been distributed widely (A,AD,AK,B,BM,BP,BR,BRI,C,CANB,COI,E,F,FI,FR,G,GB,GH,GOET,GZU,H,HAL,HBG,HO,JE,K,L,LD,LE,M,MA,MEL,MO,MPU,NSW,NY,O,P,PERTH,PR,PRC,S,U,UC,US,W,WAG,WU,Z).

O t h e r s p e c i m e n s : Fraser Island, 15.-16.X. 1930, C.E. HUBBARD 4415 (BRI,K); about 15 miles SSW of Double Island Point and 27 miles E of Gympie, 21.X.1964, S.L.EVERIST 7728 (BRI,K); Point Halloran, X.1930, F. KUNZE 5457 (K).

E c o l o g y : The new species has been collected so far in mixed forests (Eucalyptus, Casuarina, Banksia etc.) and on sandy slopes, in particular on the coastal dunes in S Queensland.

PICRIS EVAE LACK, SP. NOVA

Herba annua (vel biennis ?) 50 - 170 cm alta, lactifera, caulis crassus (basi ad 2 cm diametro) erectus ad ascendens, ramosus saepe ramosissimus (apice interdum irregulariter umbellatim), obtusangulus, tota longitudine pilis bihamatis ancoriformibus rigidis obtectus. Folia basalia et caulina bene evoluta, (5) 10-15 cm longa, 1-2 cm lata, anguste obovata ad lanceolata, denticulata vel mucronulata, sessilia, nervo medio crasso instructa, utrinque pilis bihamatis ancoriformibus rigidis obtecta. Pedunculi erecti, pilis bihamatis ancoriformibus obtecti, paucis squamis 5-6 mm longis, 0,7-1 mm latis, integris, anguste lanceolatis obsiti. Capitula numerosa (saepe numerosissima), ramos terminantia, (50) 60-80 flora, fructifera 15-20 mm diametro. Involucrum polyphyllum e squamis anguste-lanceolatis, supra nudis, inferne multis pilis crassis 1-3 (11) mm longis tortuosissimis simplicibus, rarissime apice bifurcatis vel bihamatis intertextis in vivo viridibus obtectis. Squamae exteriores 4-6 mm longae, ad 1 mm latae, inferne tota longitudine secundum nervum medium pilis perlongis densissime obtectae, squamae interiores 9 - 12 mm longae, ad 1 mm latae, naviculiformes, margine

