

Miscellanea. New descriptions.

Různé. Nové popisy.

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***Acantholimon jarmilae* J. J. Halda spec. nov.**

Descriptio: affinis *A. diapiensoides*, sed minus, compresso-discoidea, flos magnus purpureo-roseus et semina magna differt.

Taproot ca 30mm across; cushions ca 200mm across; leaves aciculiform ca 5mm long, glaucous-green; flowers stemless, single, pink to purple, ca 8mm across; seed ca 7mm long, black.

Holotypus: PR no. JJH0008223, leg. J. J. Halda 15.8.2000.

Patria et Distributio: Asia centralis: Kirghizia australis, Montes Pamirus orientalis, in vicinitate Mt. Lenin in prato sicco, solo calcareo, ad 4000m supra mare.

***Agave victoriae-reginae* subsp. *swobodae* J. J. Halda subsp. nov.**

Descriptio: a subsp. *victoriae-reginae* similis, sed manifeste globosa, compacta.

Ball-like leaf-rosettes are very compact, never "opened"; flowers and seeds larger than a nominate form.

Holotype: PR no. JJH8504315, leg. J. J. Halda 10. 4. 1985.

Patria et Distributio: Mexico septentrionalis, Coahuila, in collibus petrosis non procul a vico Parras, solo calcareo, ca 1800m supra mare.

***Begonia jarmilae* J. J. Halda spec. nov.**

Descriptio: a *B. hydrocotylifoliae* Otto ex W. J. Hooker similis sed minora, crassa, paucifolia, uniflora (rarius 2-3-flora), pterocalyx, magniflora; semen majoribus, nitens.

Taproot more or less bulbosus, ca 20mm across; leaves umbrella-like, succulent, ca 40-60mm long; flower peduncles ca 100mm tall, with mostly single flower (rarely 2-3); calyx with large wings; corolla pink to purplish-rose ca 60mm across; seeds ca 0.2mm long, brownish-yellow.

Holotype: PR no. JJH8504314, leg. J. J. Halda 8.4. 1985.

Patria et Distributio: Mexico septentrionalis: Nuevo Leon, Galeana (in vicinitate pagi Rayones), in declivibus gypsosis umbrosis, ad 1200m supra mare.

Taxon growing on vertical gypsum-cliffs together with *Aztekium ritteri*, *Selaginella* sp. etc.

***Echinocactus mexicanus* (Glass et Fitz Maurice) J. J. Halda stat. nov.**

[bas: *Geohintonia mexicana* Glass et Fitz Maurice, Cact. Succ. Mex. 37:17 (1992)].

***Epitelantha petri* J. J. Halda et L. Horáček spec. nov.**

Descriptio: species in editione prima operis nostri depicta, *E. micromeri* proxima, sed flores luteis siphonanthi, caulis cylindricus et spinae luteo-brunneae differt.

Taproot thin, ca 50mm long; stem cylindrical, up to 80mm tall; spines yellowish-brown, shortly acicular; seeds slightly larger than those of *E. micromeri*.

Holotype: PR no. JJH&LH850513, leg. J. J. Halda & L. Horáček 13.5.1985.

Patria et Distributio: Mexico septentrionalis: Coahuila (Cerro Bola) in declivibus petrosis, solo calcareo ad 1700m supra mare. This taxon is dedicated to Petr Kupčák, a great plantsman.

***Gentiana x marceli-jouseaui* J. J. Halda hybr. nov.**

[*Gentiana kaufmanniana* Regel et Schmalh. x *G. olgae* Regel et Schmalh.].

Descriptio: Planta inter parentes intermedia, habitu *G. kaufmannianae* similis, sed pluriflora, claricoerulea.

Taproot single, thick, ca 20mm across; basal leaves lanceolate, dark green, lustrous, up to 150mm long and 20mm across; flowering stems with 2-3 pairs of smaller stem-leaves; flowers in heads of 3-8, smaller than those of *G. kaufmanniana*, but much bigger than those of *G. olgae*, pale blue, lilac blue to sapphire blue.

Holotype: PR no. JJH0008415, leg. J. J. Halda 24.8.2000.

Patria et Distributio: Asia centralis: Kirghizia australis, Montes Alai (in vicinitate pagi Aktasch), in declivibus calcareis, ad 4200m supra mare.

This beautiful taxon is dedicated to Marcel Jouseau, my friend and a great plantsman.

***Gymnocalycium lukasiki* J. J. Halda et P. Kupčák spec. nov.**

Descriptio: species a *G. bruchii* proxima a qua flores autem majores ad 40mm diametens ostendit, colore roseo. Solitaria, humilis, compressa, 35-60mm diam.;

costae obtusae, plerumque paulum crenatae; areolae oblongae, spinae irregulariter arachnoideae; flores ca 60mm longi; semina parva, atra, tuberculosa.

Taproot thin, ca 40mm long and 5mm across; stem single, flat, grayish-green, 35-60mm across; ribs obtuse, more or less crenate; areoles oblong, spines irregularly spider-like; flowers slim, ca 60mm long; seeds tiny, dark, tuberculate.

Holotype: PR no. JPR100/237, leg. J. Prochazka 24.11. 1998.

Patria et Distributio: Argentina australis: Sierra del Morro, in declivibus petrosis in clivis abruptis schistosis ad 900m supra mare.

Very unusual taxon with prominently slim sugar-pink flowers is dedicated to Mr. Lukašik.

***Lonicera jarmilae* J. J. Halda spec. nov.**

Descriptio: a *L. asperifoliae* similis, sed dense pulvinata, parvifolia; flos magnus, luteus; semen magnus flavi-lacteus, ca 7mm longus.

Taproot ca 15mm across; shrublet 10-20mm tall and up to 1m across, densely branched; leaves tiny, ca 1cm long and 3mm across, glaucous, paler beneath; flowers campanulate, pale to bright yellow, ca 25mm long and 20mm across; fruit bright orange-red ca 8mm across; seed yellowish, ca 7mm long.

Holotype: PR no. JJH0008112, leg. J. J. Halda 12.8.2000.

Patria et Distributio: Asia centralis: Kirghizia australis, Montes Pamirus orientalis, in vicinitate Mt. Lenin in prato sicco, solo calcareo, ad 4000m supra mare.

***Parodia ladae* J. J. Halda & L. Horáček spec. nov.**

Descriptio: Species in editione prima operis nostris depicta, *Parodiae slabaianae* nostri depicta proxima a qua flores autem minores ad 10mm diametens ostendit, corollae albilanati, colore sanguineo. Solitaria, humilis, compressa, 20-30 (-40)mm diam., radice rapacea, vertice albilanata; costae 12-15, obtusae, 3-5mm altae, plerumque paulum crenatae; areolae oblongae, 2-3mm longae, 2-5mm inter se remotae; spinae aciculares, 2-5mm longae; flores ca 10mm longi; ovarium lana alba obtectum; tubus floralis 3-5mm longus; anthera lutea, stylus aureus; semina atra, tuberculata.

Taproot carrot-like, up to 120mm longus and 35mm across; stem discoideus, 20-30mm (rarely 40mm) across; flowers tiny, ca 10mm across, bright orange-red, tube 3-5mm long; anthers yellow, style golden yellow; seeds dark, tuberculate.

Holotype: PR no. JJH&LH9911320, leg. J. J. Halda & L. Horáček 20.11.1999.

Patria et Distributio: Bolivia australis: in vicinitate pagi Camargo in summo collis, solo schistoso ad 3100m supra mare.

The tiniest species of the genus *Parodia*, named after Ladislav Horáček's daughter Lada.

***Pulsatilla jarmilae* J. J. Halda spec. nov.**

Descriptio: a *P. kostyczewi* ae similis, sed radix stolonifera, folia tenuissima, flos roseus, antherae coeruleae et semen magnum plumosum differt.

Taproot branched, stoloniferous; leaves *Carum*-like, with very narrow lobes; flowers single, ca 80mm across, with blue anthers; seeds ca 8mm long, with densely plumose tail.

Holotype: PR no. JJH0008116, leg. J. J. Halda 12.8.2000.

Patria et Distributio: Asia centralis: Kirghizia australis, Montes Pamirus orientalis, in vicinitate Mt. Lenin in prato sicco, solo calcareo, ad 4000m supra mare.

***Sulcorebutia crispata* Rausch subsp. *aureicapillata* J. J. Halda, P. Hertus & L. Horáček subsp. nov.**

Descriptio: a subsp. *crispata* similis, sed parva, singularis, aureisenilis.

Taproot carrot-like, ca 30mm long and 15mm across; stem more or less discoid, up to 15mm across, with long hair-like spines ca 35mm long; flowers magenta with long curved tube.

Holotype: PR no. JJH&LH9911318, leg. J. J. Halda & L. Horáček 25.11.1999.

Patria et Distributio: Bolivia australis: Sucre (in vicinitate pagi Zudanez) in summo collis, solo schistoso ad 2900m supra mare.

This taxon is recently known from one hill ca 30km E of Zudanez, where is quite uniform.

***Sulcorebutia crispata* Rausch subsp. *hertusi* J. J. Halda et L. Horáček subsp. nov.**

Descriptio: a subsp. *crispata* similis, sed parva, singularis, albisenilis.

Taproot carrot-like, ca 30mm long and 15mm across; stem flat, more or less discoid, with hair-like spines ca 3cm long; flowers large, magenta violet, with long curved tube.

Holotype: PR no. JJH&LH9911316, leg. J. J. Halda & L. Horáček 25.11.1999.

Patria et Distributio: Bolivia australis: Sucre (in vicinitate pagi Zudanez) in summo collis, solo schistoso ad 2800m supra mare.

This taxon is known as *Sulcorebutia* "*gerosenilis*", but never validly described; is known from one hill only, where is quite uniform. This taxon is dedicated to our friend Pavel Hertus.

***Sulcorebutia veronikae* J. J. Halda, P. Hertus & L. Horáček spec. nov.**

Descriptio: a *S. cylindrica* similis, sed magnirapacea, globosa, magni-luteiflora.

Taproot carrot-like, ca 20mm across; stem globose-discoid, 20-30mm across; spines aciculate, 5-15mm long; flowers yellow, ca 30mm across; seed dark, tuberculate.

Holotype: PR no. JL981105, leg. Jirí Lipš 20.11. 1998.

Patria et Distributio: Bolivia australis: in vicinitate pagi Arani in summo collis, solo calcareo ad 2800m supra mare.

Very different taxon with a thick taproot and comparatively large yellow flowers. Named after Jirí Lipš's daughter Veronika.

***Tephrocactus (Opuntia) pulcherrimus* J. J. Halda & L. Horáček spec. nov.**

Descriptio: a *T. pentlandii* similis sed magnirapaceus, subterraneus micro-caulis, inermis, magniviolaciflorus; semina magna, rugosa.

Taproot large, carrot-like, 150-250mm long and 25-50mm across; multi-stemmed, pads inermes, ca 15mm long and 10mm across; flowers large (up to 45mm across), bright violet; seeds large (ca 7mm across), flat, creamy, rugose.

Holotype: PR no. JJH&LH0011528, leg. J. J. Halda & L. Horáček 24.11. 2000.

Patria et Distributio: Bolivia australis: Camargo (in vicinitate pagi Incahuasi) in summo collis, solo schistoso ad 3200m supra mare.

One of most beautiful opuntia, with unusually large seeds.

***Thelocactus rinconensis* (Pos.) Br. et R. subsp. *icamolensis* J. J Halda et P. Kupčák subsp. nov.**

Descriptio: affinis subsp. *rinconensis*, sed plantis minoribus, ad 200mm latis et 60mm latis; flores minoribus ad 30mm longis, perianthii phylla obovata, atropurpurea.

Taproot thin, ca 100mm long; stem single, much smaller than ssp. *rinconensis* (up to 200mm across and 60mm tall); flowers small, up to 30mm long, with dark purple obovate leaflets.

Holotype: PR no. JJH8504545, leg. J. J. Halda 7. 4. 1985.

Patria et Distributio: Mexico septentrionalis: Nuevo Leon (in vicinitate pagi Icamole) in summo collis, solo calcareo ad 1600m supra mare.

***Thelocactus vaskoanus* J. J. Halda, L. Hovorka et V. Zatloukal spec. nov.**

Descriptio: a *T. tulensis* similis sed clavatus, aciculispinus, parvi-albiflorus, parviseminus.

Stem cylindrical-clavate, up to 400mm tall; spines thin, acicular, ca 10mm long; flowers tiny (ca 20mm long and 15mm across), white with greenish stripes outside; seeds much smaller than those of *T. tulensis*.

Holotype: PR no. ZV10223, leg. Zdenek Vaško 20.10. 2000.

Patria et Distributio: Mexico centralis: San Luis Potosi (in vicinitate pagi Rio Verde) in summo collis, solo calcareo ad 1200m supra mare.

***Turbinicarpus x kubesi* J. J. Halda et P. Kupčák hybr. nov.**

[*Turbinicarpus pseudomacrochele* (Backeb.) Buxb. & Backeb. x *T. krainzianus* (Frank) Backeb.].

Descriptio: Planta inter parentes intermedia, habitu *T. krainziani* similis, sed floribus brunneo-lactei et spinis mollis longis differt.

Taproot short, thick; stem shortly cylindric, up to 40mm tall; spines soft, curled, up to 35mm long; flowers brownish-creamy inside, outside with darker stripes, ca 20mm across.

Holotype: PR no. PK980910, leg. P. Kupčák 10.9. 1998; Moravia septentrionalis, viculus Palkovice, Hortus Kupcakianus. A garden hybrid, raised by P. Kupčák. Widely cultivated as *T. "sphacellatus"*.

***Turbinicarpus macrochele* (Werd.) Buxb. & Backeb. subsp. *kupcaki* J. J. Halda & L. Horáček subsp. nov.**

Descriptio: a subsp. *macrochele* similis sed flavispina et roseistigma.

Taproot ca 50mm long and 25mm across; stem discoid-globose, 25-30mm across; spines corky, curved, brownish-yellow; flowers creamy-white with brownish stripes outside; stigma bright pink, anthers yellow.

Holotype: PR no. JJH&LH850488, leg. J. J. Halda & L. Horáček 5.5. 1985.

Patria et Distributio: Mexico septentrionalis: San Luis Potosi (in vicinitate pagi San Antonio de los Castellos) in summo collis, solo calcareo ad 1600m supra mare.