

Perenne, subcaespitosum, albido-hirsutum, \pm 15 cm altum. Caules erecti, simplices vel parce ramosi. Folia basalia cum petiolo 40—50 mm longa, 7—12 mm lata, lanceolata vel lanceolato-oblonga. Folia caulina multo minora, perpauca, sessilia. Inflorescentiae pauci- et laxiflorae. Pedicelli fructiferi inferiores calyce multo longiores. Calyx pubescens, 4—5 mm longus. Corolla calycem paulo superans, campanulata, coerulea, limbo tubo subbreuiore. Fornices semilunares. Nuculae rotundatae, \pm 7 mm diam., area mediana echinulata, alae margo irregulariter dentatus.

Persia: W: Kurd.: Sonqor, Kuh-i Emrullah, STR.

Distr. gen.: Endem.

Sect. *Microparacaryum* M. POP., Fl. URSS. 19: 602 (1953)

Plantae annuae. Nuculae 4 (—5) mm in diametro non superantes. — Typus sectionis: *P. intermedium* (DECNE.) LIPSKY.

Ich beschränke die Sektion auf die Series *Physodes* M. POP., l. c., während die Series *Pseudo-Echinosperrum* M. POP., l. c. 605, zu *Mattiastrum* übertragen wurde (*P. Bungei* BOISS.).

9. *P. calathicarpum* (STOCKS) BOISS., Fl. Or. 4: 254 (1879). — Tab. 19, fig. 2. Syn.: *Echinosperrum calathicarpum* STOCKS in Hook. Kew Journ. 4: 175 (1852). Icon.: H. RIEDL, Dan. Biol. Skr. 13, no. 4: 204, fig. 154, 155 (1963).

Typus: STOCKS 1003, K!

Annum, 10—25 cm altum, pilis brevibus patentibus vel appressiusculis canescens. Caules valde ramosi, erecti vel ascendentes, usque ad medium fere foliati. Folia basalia florendi tempore emarcida, caulina inferiora petiolo breviusculo incluso 15—40 mm longa, 4—8 mm lata, oblongo-spathulata, obtusa, superiora oblonga vel linearia, minora, sessilia. Bractee infimae rare evolutae. Pedicelli fructiferi infimi calyce paulo vel subduplo longiores, deflexi. Calyx florifer 1,5 mm, fructifer 2,5—3 mm longus, laciniis oblongis acutiusculis. Corolla calycem subaequans, coerulea, limbo quam tubus subbreuiore. Nuculae ovoideae, 4—5 mm longae, area mediana echinata, ala margine inflexo dense bullato-plicata ut in clave descripta, saepe heteromorphae, nuculis 2 ala valde reducta cinctis.

Afghanistan: NW: Herat: In valle fluvii Hari Rud, AIRCH. 425! — SW: Herat: Inter Farah et Jija, 900 m, KOEIE 4383! — NE: Kataghan: 30 km N Doab versus Pul-i Khumri, 1400 m, HDG. & WDB. 3451!

Pakistan: Quetta: Inter Zhob et Sambaza 26 km N Fort Sandeman versus Wana, 1500 m, RECH. 29844! In collibus 20 km W Quetta, RECH. 29081! — Kalat: Infra Mach versus Ab-e Gum, RECH. 28484! — Makran: 70 km NE Panjgur, 1100 m, RECH. 28221! Panjgur, 1000 m, RECH. 28177! Nag inter Panjgur et Surab, 1300 m, RECH. 28260 a! — Bal.: Baluchistan superior, STOCKS.

Distr. gen.: Endem.

10. *P. stellatum* H. RIEDL, sp. nov. — Tab. 19, fig. 3.

Typus: RECH. 28434, W!

Annum, 10—30 cm altum, multicaule. Caules ascendentes vel erecti, rigidi, prope basin usque ad 1,5 mm crassi, simplices vel subsimplices, prope basin tantum foliati, dense appresse breviter albido-strigosi, pilis antrorsis. Folia subbasalia 25—30 mm longa, 3—6 mm lata, in petiolum indistinctum gradatim attenuata, oblonga vel lineari-oblonga, obtusa vel subacuta, supra densius subtus laxius

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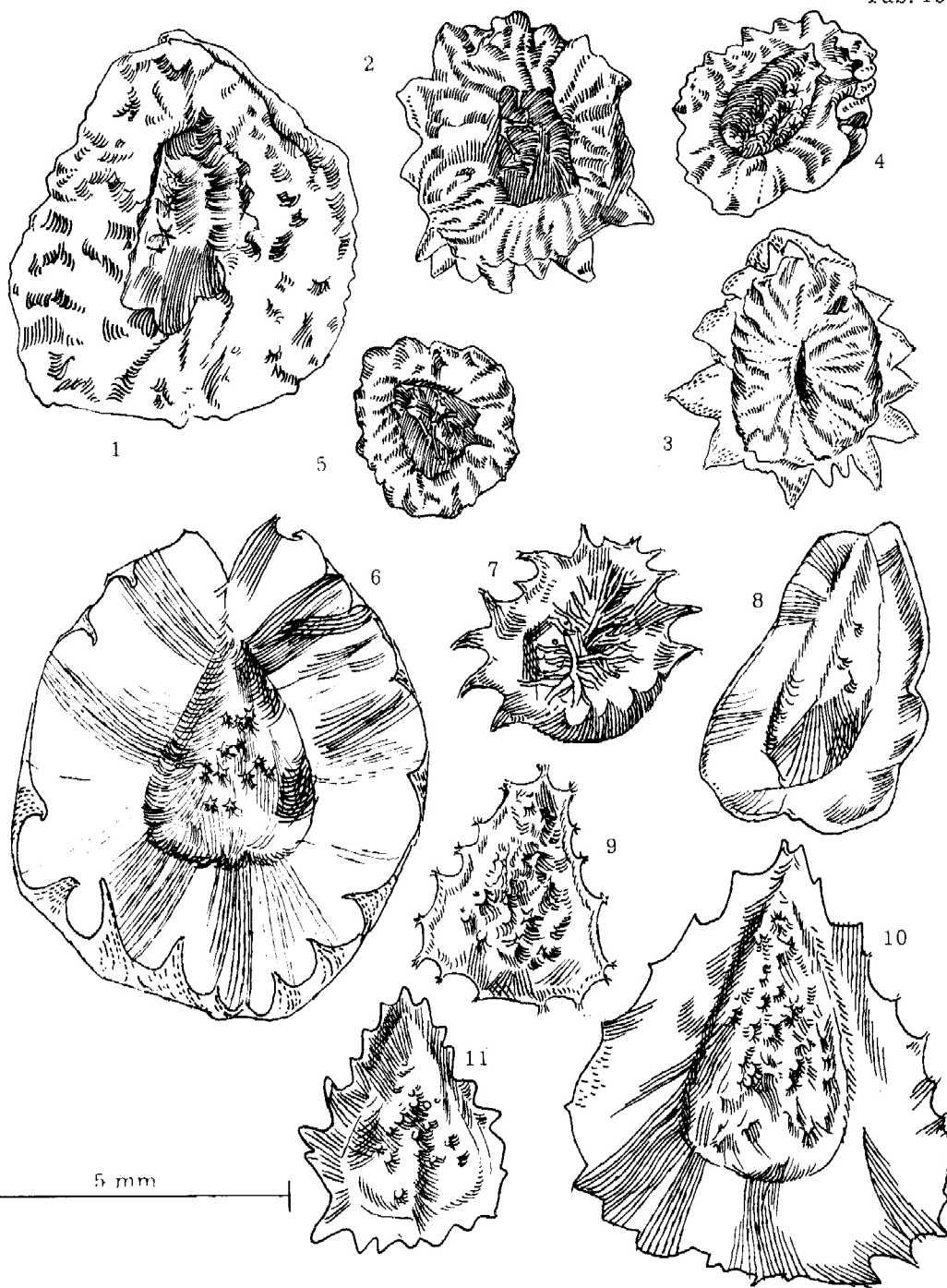


Fig.1. *Paracaryum cyclhymenium* (Boiss.) H. Riedl - Bunge 52. - Fig.2. *P. calathicarpum* (Stocks) Boiss. - Stocks 1003. - Fig.3. *P. stellatum* H. Riedl - Rech. 28434. - Fig.4. *P. intermedium* (Fresen) Lipsky - Rech. 17609. - Fig.5. *P. serpentanicum* Rech. f. et H. Riedl - Rech. 31459. - Fig.6. *Mattiastrum subscaposum* Rech. f. et H. Riedl - Rech. 16926. - Fig.7. *M. Bungei* (Boiss.) Rech. f. et H. Riedl - Koeie 2690. - Fig.8. *M. flaviflorum* Rech. f. et H. Riedl - Rech. 18446. - Fig.9. *M. polyanthum* Rech. f. et H. Riedl - Rech. 17688. - Fig.10. *M. Dielsii* Bornm. - Rech. 18041. - Fig.11. *M. sessiliflorum* Rech. f. et H. Riedl - Rech. 17385.