

*Pubistylus wndamuiensis* Thoth.

Fig. 1. A branch with flowers; Fig. 2. A flower; Fig. 3. Corolla spread open showing the stamens; Fig. 4. Gynoecium showing the disc and the clavate, pubescent style; Fig. 5. A vertical section of the ovary showing one pendulous ovule in each cell.

## A NEW SPECIES OF AGAFETES FROM BHUTAN

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### AGAPETES BHUTANICA Balak. & Chowdhury, *spec. nov.* — Fig.

*Affinis A. odontocerae* (Wight) Rook. f. et *A. variegatae* (Roxb.) D. Don ex G. Don; ab utraque differt pedicellis, ccdycibus et corollis glanduloso-pilosis; ab *A. odontocera* differt foliis pseudoverticillatis; ab *A. vanegata* differt corolla brevior.

Frutex epiphyticus, caule pseudotuberoso ad basin; rami breves, patentes, teretes, 7—15 mm crassi; cortex fyliginosus, conspicuis ornatus l&ntieellis; rami juniores angulati, indistincti, subobtusati; vetustiores teretes; cataphylla plura, depressa in ramulis ju/v embus, subulata, lurida, usque ad 1 cm longa, ca 2 trim lata, marginibus crenulatis, glandulosis ciliatis. Folia 5—6 in singulis pseudoverticillis (verticillis 6—10 cm inter se distnntibus), stibsessilia, oblongo-lanceata, 9—20 X 1—4 cm, basi attenuata, apice breviter acuminata, coriacea, sparsim pilosa ad paginam superior em, pilosiora ad margimes; margines undulati, subintegri; costa sat robusta, subtus eminens; nervi laterales 20—25-jugi in nervum intramarginalem distinctum anastomosantes; nervi tertiarii efformantes reticula; petiolis 2—4 mm, longi. Inflorescentia subfasciculata, corymbifovmis, e Tamo aphylo vetustiore orta, 7—18-flora; pedurtculus vix nullus vel usque 1 mm longus, ciliis glanduliferis atropurpweis ornatus; bractee congestae, ca 1 mm longae, linefares>, subulatae, atropurpureae, glanduloso-ciliatae ad margines; pedicelli 14—1.8 cm, longi, surswn sensirn ampliati, dAnse puberuli et glandailoso-setulosi. Calyx lobatus usque ad medium, extus dense glanduloso-pilosus; lobi 5, triangulari-acuminati, ca 2 X 1.5 mm. Corolla superne subcylindrica, in feme tubulari-angustata, sursum levissime ampliata (alabastro apicem versus subconico, 5-angulato), 2.6—2.8 cm longa (lobis inclusis), superne 9—11 mm diam., inferne 6—7 mm diam., cocdnea, transverse purpurev-vittata, extus superne sparsim glanduloso-ciliata (plus sic in nervis alabastrorum); lobi 5, ca- 8X5 mm, filiformes revoluti ad apices. Stamina 10; filamenta line-aria ca 2.5 X 1 mm, albo-puberula, flexa intrinsecus supra medium; antherarum thecae glabrae, ca 4-5 mm longae, lineates, oblongae; connectivum rostratum;

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*rostris linearibus, elongatis, ca 2 cm longis, glabris, circa medii dorsum bicalcaratis; calcaribus ca 1 mm longis, puberulis, recurvis. Stylus filiformis, ca 2.9 cm longus, glaber, stamina superans, supra rostra antherarum eminent; stigmatate discoideo-capitato. Fructus ignotm.*

*Typus, Balakrishnan 41943 A, lectus ad Deothang in Bhutania orientali (91° 35' E & 26° 55' N), ad alt. ca 500 m, die 29 martii 1965 positus in CAL; imtypi, Balakrishnan 4194-3 B - C, positi in Herbario Kanjilal ad Shillong (ASSAM).*

Epiphytic shrub; stem pseudotuberous at base; branches short, spreading, terete, 7—15 mm thick; bark brownish-grey, conspicuously lenticellate; young branchlets obscurely bluntly angled, older ones terete; cataphylls many, scattered on young branches, subulate, dark brown, up to 1 cm long, ca 2 mm broad, with crenulate glandular ciliate margins. Leaves 5—6 in each pseudoverticel (verticels 6—10 cm apart), subsessile, oblong-lanceate, 9—20 x 1—4 cm, attenuate at base, shortly acuminate at apex, coriaceous, sparsely pilose on dorsal surface, more at margins; margins undulate, subentire; midrib moderately thick, distinctly raised beneath; lateral nerves 20—25 pairs, anastomosing into a distinct intramarginal nerve; tertiary nerves forming reticulations; petiole 2—4 mm long. Inflorescence subfasciculate, corymbose, arising from leafless old branches, 7—15-flowered; peduncle almost lacking, or about 1 mm long with brownish-purple glandular hairs; bracts congested, ca 1 mm long, linear-subulate, brownish-purple, glandular-hairy at margins; pedicels 1.4—1.8 cm long, gradually enlarged to top, densely puberulous and glandular-pilose. Calyx lobate up to middle, densely glandular-pilose outside; lobes 5, triangular-acuminate, ca 2 x 1.5 mm. Corolla subcylindric above, narrowly tubular at base, slightly enlarged upwards (in buds subconic, 5-angled at apex), 2.6—2.8 cm long (including lobes), 9—11 mm in diam. above, 6—7 mm in diam. below, scarlet-red with purplish transverse lines, sparsely glandular-ciliate outside towards apex (more so on nerves of buds); lobes 5, ca 8 x 5 mm, filiform, revolute at apex. Stamens 10; filaments linear, ca 2.5 x 1 mm, white-puberulous, bent inwards above the middle; anther cells glabrous, ca 4.5 mm long, linear-oblong; connective beaked; beak linear, elongate, ca 2 cm long, glabrous, dorsally spurred at about middle; spur ca 1 mm long, puberulous, recurved. Style filiform, ca 2.9 cm long, glabrous, longer than stamens, projecting above the beaks of anthers; with discoid-capitate stigma. Fruit not known.

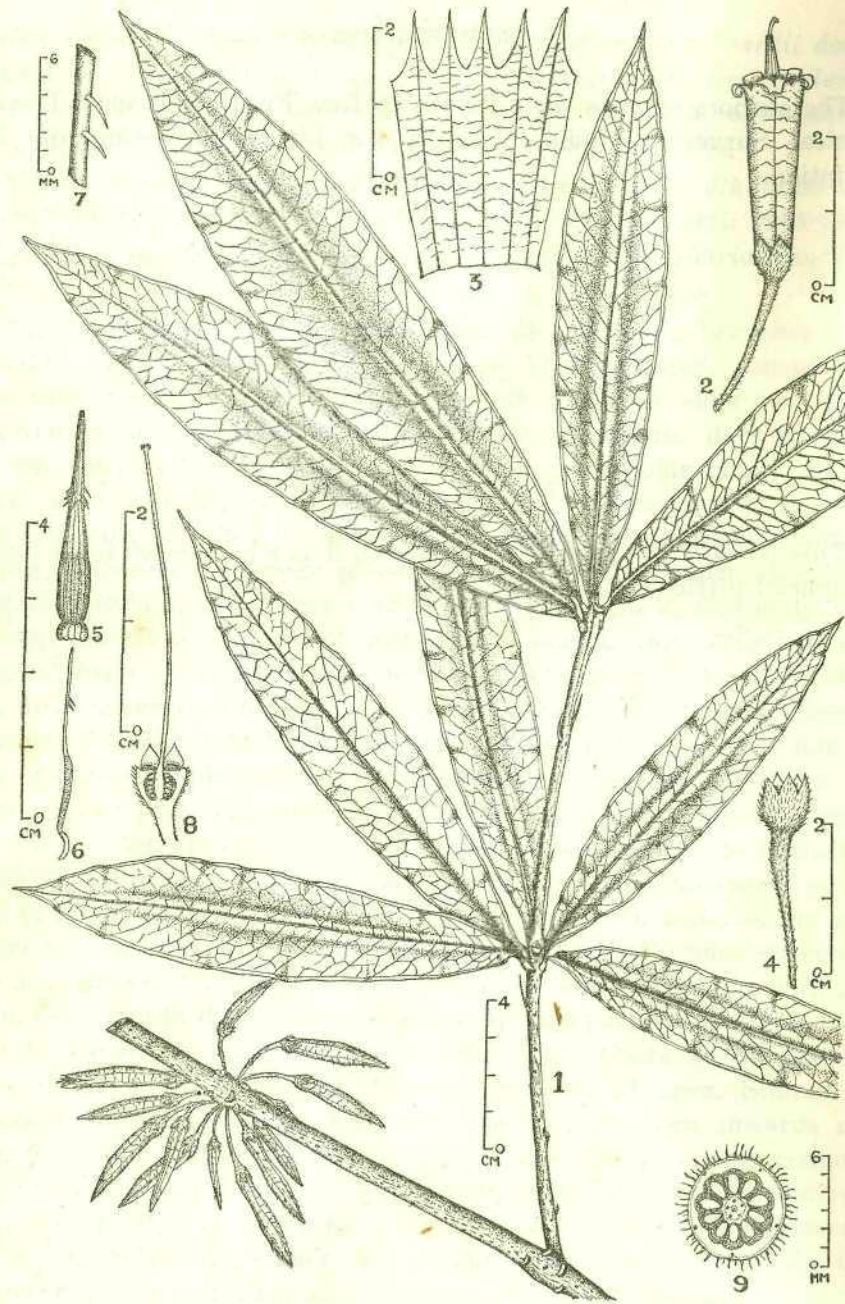
**East Bhutan : Deothang (91° 35' E & 26° 55' N), alt. ca 500 m, 29 March 1965, fl., Balakrishnan 41943 A (CAL) et U1905 B - C (ASSAM).**

## ACKNOWLEDGEMENTS

The authors express their thanks to Rev. Fr. H. Santapau, Director, Botanical Survey of India, Calcutta for kindly correcting the latin description.

## NOTE OF THE EDITOR

This issue of *Eerawarcltia* appears in a much reduced form because of financial difficulties.



*Agapetes bhutanica* Balak. & Chowdhury

1. A branch with flowers; 2. Flower; 3. Corolla split open; 4. Pedicel with calyx tube; 5. Staminal column; 6. Stamen; 7. Beak of anther showing spurs; 8. L. S. of ovary with style; 9. T. S. of ovary. — all after Balakrishnan 41943 A (CAL).

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