XXVIII. *Description of two new Genera of Plants from Nepal.*

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Read March 19, 1822.

COLQUHOUNIA.

SYST. ARTIF. *Didynamia Gymnospermia.*ORDO NATURAL. *Labiatae.*

CHAR. GEN. *Calyx* cylindricus, fauce æquali 5-dentatâ: fructifer clausus. *Corolla* bilabiata; *labium superius* fornicatum, bidentatum; *inferius* trilobum lobis lateralibus fauci ampliatae utrinque insertis, intermedio minore integro. *Stamina* adscendentia; *antherarum lobi* divaricati nudi. *Stigma* bilobum, lobo superiore brevior. *Ovula* solitaria, pendula! *Achenia* maxima alata. *Perispermum* copiosum. *Embryo* erectus!

Habitus. *Frutex* latè volubilis supernè tomento farinoso stellato ferrugineo: *rami juniores* alternatim compressi, subarticulati. *Folia* ovalia, serrata, scabriuscula, odore debili aromatico. *Flores* speciosi, coccinei, fasciculati, axillares, subverticillati, nunc subracemosi.

Dixi in honorem amici æstumatissimi Roberti Colquhoun, Equitis Baroneti, historiæ naturalis fautoris indefessi, qui hortum botanicum Calcuttæ ditavit plurimis plantis viventibus seminibus, speciminibus nec non observationibus phytographiam regionis *Kumaon* spectantibus.

COLQUHOUNIA

COLQUHOUNIA COCCINEA, Wall.

Legi in variis montibus Nepaliæ, Chesapang, Chandaghiry, Sheopare; etiam in sylvis minus elevatis Suembonath, Gokurna, &c. Floret sub fine pluviarum et tempore frigoris, ab Octobre ad Februarium. Fructus maturescunt Martio.

Nomen Parbutteum *Aesinallæ*; Newarrense *Goontomah*.

Frutex amplus super alios, arboresque minores volubilis. *Rami* longissimi, orgyales, obsoletè tetragoni, pennam cygneam ad digitum crassi, a punctis minutis copiosis scabriusculi, tomento parco hinc inde conspersi, dilutè ferruginei; juniores gracillimi, obsoletè 4-angulares, sulcis duobus oppositis notati, ad insertionem foliorum alternatim dilatato-complanati lineâque elevatâ annulari subarticulati, vestiti tomento denso ferrugineo lepidoso stellato ciliato friabili. *Folia* opposita, ovata, acuminata, 3—5-pollicaria, vetusta, duplo majora, patentia, obtusè crenulata, basi acutâ integriora, utrinque a tomento parco asperula, suprâ atro-viridia, rugosa, opaca, subtùs pallida costâ nervisque suboppositis arcuatis prominentibus tomentosis venisque transversim reticulatis; *novella* densissimè tomentosa incana. *Petioles* unguiculares, semiteretes, tomentosi, suprâ plani. *Flores* magni, inodori, fasciculati, plerumque ternati, axillares, subverticillati; *verticilli* nunc brevissimè pedunculati, sæpiùs ferè sessiles, in ramulis junioribus approximati subracemosi. *Pedunculi* teretes, patentés, petiolo triplo breviores, tomentosi, basi, nunc medio quoque, bracteolis duabus oppositis linearibus persistentibus. *Calyx* basi subcylindricus, sursum ampliatus et subcampanulatus, membranaceus, scariosus, persistens, semuncialis, tomentosus, intùs lævis, nitidus, obsoletè 5-nervius et reticulatus, leviter incurvus,
dorso

dorso parum convexior, limbo 5-dentato patentiusculo dentibus triangulari-ovatis acutis 1-nerviis post florescentiam clausis et subvalvatis. *Corolla* coccinea, calyce duplo longior, villis canis mollibus brevibus hyalinis articulatis extus obsita; *tubus* brevis inclusus, cylindricus, mox amplatus in *faucem* amplam lateribus leviter compressam, subtus foveolatam perviam nudam. *Limbus* 2-labiatus; *labium superius* adscendens, ovatum, apice bidentatum, dentibus lanceolatis obtusiusculis, fornicatum, basi dorsi leviter contractum et impressum; *inferius* majus, patens, tripartitum, lobis integerrimis obtusis, lateralibus obliquè ovatis leviter recurvis fauci utrinque insertis et quasi interlabialibus: intermedio duplo ferè illis brevior descendente concaviusculo linguæformi citius emarcescente. *Stamina* quatuor absque rudimento quinti, intra galeam adscendentia, haud planè ab illâ recondita sinibus (ut dudum monuit cel. R. Brown in *Prodr. Fl. Nov. Holl.* i. p. 500.) interlabialibus primariisque labii inferioris intra faucem inserta. *Filamenta* crassiuscula, linearia, villosula, colorata, apice parum dilatata et incurva; superiora duo breviora. *Antheræ* parvæ, oblongæ, nutantes, purpurascens: lobis divaricatis (sursum et deorsum) nudis obtusis rimâ continuâ longitudinali et quasi communi dehiscentibus, polline flavo majusculo. *Ovaria* quatuor, oblonga, planiuscula, apice parum obliqua et crenulata, *disco* imposita *hypogyno* annulari angusto obsoletè quadrilobo flavicante centro parum elevatione subconico, uniloculari, monospora: *ovulum* teres ex apice placentulæ erectæ fungosæ *pendulum*! *Stylus* filiformis, lævis, purpurascens, longitudine staminum cumque illis adscendens. *Stigma* bilobum, lobis subulatis acutis patulis, superiore dimidio brevior. *Achenia* quatuor, rarius unum duove cassa, grandia, calyce persistente haud aucto dentibus

dentibus conniventibus subvalvatis clauso parum breviora, ejus fundo supra discum hypogynum ferè immutatum inserta, erecta, glabra, exsucca, basi ovalia conniventia convexiuscula intùs obtusè carinata subtrigona, apice terminata alâ membranaceâ parum recurvâ oblonga apice hinc convexâ inde acutâ levissimeque crenulatâ margine altero recto subsulcato crassiore altero (exteriore) convexo scindente, epidermide obducta tenuissimâ fuscescenti; 1-locularia 1-sperma, indehiscentia. *Semen* obovatum compressiusculum, obtusum, basi acutiusculum, album, læve, infra apicem suspensum funiculo longiusculo descendente et supra basin placentæ parvæ fungosæ erectæ liberæ inserto. *Integumentum* simplex, tenuissimum. *Perispermum* crassiusculum, carnosum, album, embryonem arcetè involvens eique conforme. *Embryo* ovatus, planus, erectus. *Cotyledones* maximæ, ovatæ, obtusæ, basi subcordatæ. *Plumula* inconspicua. *Radicula* conica, acuta, brevis, infera.

OBS. Genus pulcherrimum *Leucadi*, Burm. (R. Brown *l. cit.* 504.) et *Dracocephalo* quodammodo affine ab utroque et tota ferè familia diversum fructus magnitudine et forma, positione ovuli penduli seminisque suspensi et perispermo copioso. Odor foliorum partiumque novellarum citrinus, debilis.

HEMIPHRA GMA, Wall.

SYST. ARTIF. *Tetrandria monogynia* floribus monopetalis monocarpis inferis. An potius *Didynamia angiospermia*?

ORD. NATURAL. *Scrophularinæ*, Brown Prodr. Nov. Holl. i. 433.

CHAR. GEN. *Calyx* 5-partitus. *Corolla* infundibuliformis limbo patente 5-fido subæquali. *Stamina* 4, æqualia, antheris nudis liberis. *Stigma* simplex, acutum. *Bacca* globosa ex-

succa

succa incompletè 2-locularis, polysperma, dissepimento placentifero sursum fisso.

Habitus. *Herba* gracilis, repens, pilosula. *Folia* duplicis indolis; *caulina* et *ramea* orbiculato-reniformia, opposita, subsessilia, dentata: alia acerosa, conferta in fasciculos petiolatos, gracillima. *Flores* solitarii, parvi, rosei, brevè pedicellati, ebracteati, axillares foliorum majorum alterni vel oppositi, vel terminales ramulorum novellorum. *Baccæ* globosæ, ruberrimæ, nitidæ.

HEMIPHRAGMA HETEROPHYLLUM, *Wall.*

Planta sat communis in montibus Nepaliæ saxatilis florens et fructifera toto ferè anno, præcipue ab Octobre ad Februarium.

Caulis gracillimus, pedalis bipedalisque, prostratus, et per distantiam pollicum 3 vel 4 radicans, radiculis simplicibus pallidis fibrillosis, obsolete quadrangularis, epidermide fusciscente secedente. *Rami* pauci versus extremitatem caulis, tenerrimi, indivisi, breves, oppositi, acutanguli, asperuli a pilis brevibus articulatis patentibus hyalinis. *Folia* difformia. *Caulina* ovato-cordata subreniformia plana, patentia, membranacea, citiùs emarcescentia, opposita et ferè amplexicaulia, brevissimè petiolata, unguicularia ad pollicaria, remota, interdum pollices plures distantia, obtusa, acutiusculè et lato-dentata, lobis baseos integris rotundatis, utrinque pilosula, subtùs trinervia leviterque reticulato-venosa, siccitate ferruginea; superiora et ramea ovata vel suborbiculata, pauca, bracteiformia, ter quaterve minora. *Folia* alia subulato-acerosa, 2—3-linearia semiteretia, suprà sulcata, pilosula, acuta, lætè viridia, nitida, sessilia, undique patentia, 20—30 circiter conferta in fasciculos ovatos unguiculares

culares breve petiolatos patentés, axillares foliorum caulnorum oppositos vel terminales. *Petoli* foliorum majorum vix 2-lineares, suprâ sulcati, pilosuli, basi lineolâ tenuissimâ caulem vel ramum ambientes. *Stipulæ* nullæ. *Flores* parvi, solitarii, axillares, vel centrales in fasciculis *pedicello* insidentes brevissimo villosus ebracteato. *Calyx* subovatus, persistens, densè villosus, profundè 5-partitus, *laciniis* patentiusculis linearibus purpureo-acutis. *Corolla* rosea, calyce duplo major, infundibuliformis, glabra; *tubus* obsoletè 4-gonus medio ventricosus, florescens; *limbus* patens, 5- (raro 6-) fidus, valde obscure 2-labiatus, æstivatione imbricatus, laciniis ovalibus obtusis nunc parum retusis, duabus superioribus parum latioribus; *fauz* pervia, nuda. *Stamina* quatuor æqualia parum supra faucem elevata medio tubi inserta, antheris ovatis erectis parum conniventibus utrinque longitudinaliter dehiscentibus nudis. *Pistillum* staminibus parum brevius; *ovarium* subrotundum, læve; *disco hypogyno* exiguo annulari flavicante suffultum, biloculare, polysporum, ovulis placentæ dissepimento apice minutim perforato utrinque adnatæ insertis; *stylus* teres brevis; *stigma* leviter incrassatum, simplex, acutum. *Bacca* ovato-globosa, magnitudine pisi, stylo persistente coronata, suffulta calyce patentissimo haud aucta, coccinea, lævissima, nitida, inscripta lineis gracillimis impressis quatuor e vertice cruciatim decurrentibus, commissuras valvarum mentientibus, cultro difficiliter in totidem valvulas partibilibus, nunquam sponte dehiscens; *membrana exterior* tenuissima, chartacea: *caro* spongiosa, pallida, basi copiosior vertice tenuior. *Dissepimentum* incompletum, membranaceum, tenuissimum, vertice perforatum hiato inversè triangulari ætate ultra medium baccæ deorsum extenso. *Placentæ* duæ semilunato-bicornes spongiosæ, convexæ, hiatui dissepimenti utrinque

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