

Pflanzengarten d. Linäusd. Flor  
auf d. Wache d. H. Collegium. Prof. Dr. A. v. Bunge.

Jan. 1840. II.

*Compositae.*



Dr. C. E. v. Meroklin's  
Nachlass

*Phlogaena - Gattlinguæ Leylandi.*

*I. Phanerogamae.*

*Quæ.* Die *Paifanfolys* d. *Jurvil.* *if* *Pumf* *H.* *Rob* *Broca*,  
*Koch* *i.* *ind.* Die *uicivac* *Mufifa*, Die *fuicilys* *ord-*  
*nan*, *uic* *die* *non* *Bottling*, *Endlicher*, *Meyen*, *Lind-*  
*ley* *ypfpa* *if*, *jud* *fin* *ni* *if* *barbonfpa*.

*Plantae vasculares v. cotyledoneae.*

*Plantae* *contextus* *celluloso* *vafioque* *confiantes*,  
*Phanatis* *Donatae*, *radices* *caule* *folioque* *veris*  
*infructae*, *flores* *diffinetti* *et* *symmetrict*, *embryo*  
*permoderno* *includus*, *cotyledonibus* *infructis*.

*I. Dicotyledones.*

*Flores* *diffinetti*, *symmetrict*, *pentameri*, *rarius* *tetra-*  
*rari* *fime* *trimeri*; *perigonium* *plerumq.* *duplex*, *rarius*  
*fimplex* *et* *tunc* *calycinum*, *rari* *fime* *corollare* *s.*  
*corollinum*, *raro* *nullum*; *embryo* *cotyledonibus* *binis*  
*oppositis*, *rarius* *pluribus* *verticillatis*. *Radix* *fapifor-*  
*mit* *v.* *fetrofa*, *interdum* *tuberofo*, *nunquam* *vero*  
*bulbofo*; *caulis* *e* *corpore* *bus* *lignos* *et* *corticali* *confans*,  
*teres*, *rarius* *tetragonus* (*nunquam* *trigonus*), *circa*  
*medullam* *centralem* *strata* *lignea* *corticalibus* *includ-*  
*sa*, *productiones* *fpe* *dic* *hae* *medullares* *trans* *corticam* *et*  
*lignum* *radiantes*; *folia* *fapae* *opposita*, *verticillata*  
*v.* *fparfa* *in* *ocule* *articulata*, *plerumq.* *petiolata*,  
*fapae* *fipulata*, *lamina* *dilatata*, *nervis* *diver-*  
*gentibus*, *rarius* *phyllodia*, *fol.* *fapae* *compofita*.

*I. Thalaminthae f. Thalamiflorae.*

*Calyx* *polyfepalus*; *petala* *plurima*, *diffineta*,  
*fpanina* *thalamiflora*.

*A Ranunculaceae.*

*Sepala* *3-5*. *plura*, *fapae* *colorata*, *petaloida*; *petala*  
*5* *v.* *plura*, *hypogyna*, *interdum* *nulla*; *fpanina* *plurima*  
*rarius* *5*, *hypogyna*, *libera*; *antherae* *adnatae* *bilo-*  
*calares*, *subextrofae*; *peffilla* *fapies* *plurima*, *rarius*  
*pauciora*, *imo* *folitaria*, *plerumq.* *libera*, *rarius*



B. Fructus polypermi.

α. Flores calcarati

- αα.) Petala nulla " " " Caltha.
- ββ.) Petala numerosa, nectariformia, ligulata - Trollius.

β. Flores calcarati

- αα.) Petala 5 calcarata, carpella libera - Aquilegia.
- ββ.) Petala 2 calcarata
  - 1.) Sepal. superius calcaratum - Delphinium.
  - 2.) — superius fornicatum - Aconitum.

Fructus baccatus - - - Actaea.

1.) Thalictrum L. Wirsingwurzel.

Involucrum plerumq. nullum, sepal petaloidea 4, decidua; petala nulla; stamina numerosa; carpella sicca 4-15, libera, monosperma, gynophoro minuto inserta, semen pendulum.

Herbae perennes; folia supra decomposita, flores paniculati.

In Europa, Asia boreali et America.

In Livonia reperitur:

- Thal. aquilegifolium.
- angustifolium.
- flavum.
- simplex?

2.) Dulcamara Tournef. Linsippfalle.

Involucrum 3-phyllum, remotum, foliiforme; sepal petaloidea 5-6; petala nulla; stamina numerosa, exteriora in glandulas mutata; carpella sicca, numerosa, pylo largissimo barbato-apiculata, gynophoro hemisphaerico inserta; semen pendulum.

Herbae perennes; folia radicalia, palmatipartita v. saepius pinnatim composita, flores magni, terminales, in caule foliarii,

extus villosi.

Pulsatilla patens.  
pratensis.  
vulgaris.

3.) Anemone L. Anemone.

Involucrum 3-phyll, foliiforme, remotum,  
Sepala petaloidea 5-15; petala 0; Stamina  $\infty$ , omnia  
fertilia; carpella fixa,  $\infty$ , monosperma, stylo  
brevis imberbi terminata, gynophoro hemisphae-  
rico v. cylindrico inserta; semen pendulum.

Radix saepe tuberosa; fol. radicalia, lobata  
aut dissecta. flores longe pedunculati, ut plu-  
rimum solitarii.

Anemone nemorosa.

ranunculoides.  
sylvestris.

4.) Hepatica Dillen (Anemone L.) Labrorbium.

Involucrum calyciforme, 3-phyll, flori appro-  
simatum; sepala petaloidea 6-8; petala nulla  
stamina  $\infty$ ; carpella  $\infty$ , stylo brevi rostrata; semen  
pendulum; folia radicalia, 3loba (rarius  
5loba v. integra); flores in seapis solitarii, cae-  
rulei.

Hepatica Triloba Clair

5.) Myosurus L. Mühlwurz.

Sep. 5, aequalia, basi in calcar solidum producta  
colorata; petala 5, sepalis breviora, ungue filiformi,  
tubuloso; stamina 5; carpella  $\infty$ , gynophoro tenui  
elongato dense inserta, triquetra, acuta, laevia  
monosperma; semen pendulum.

Herba pusilla, annua, foliis angustis, integerrimis, pedunculi scapiformes, uniflori, floribus flavis.

*Myoporus minimus.*

6.) Ranunculus L. *Großwund*.

Sepala 5, Decidua; petala 5, rarius plura; supra unguem foveam nectariferam, nudam v. membranaceo-marginatam v. squama sectam gerentia; stam 5; carpella 5, in capitulum globosum v. oblongum congesta, stylo persistenti oblique apiculata, monosperma; fermen erectum.

Herbae foliis varie divisio v. integris (phylloidiis); inflorescentia varia; floribus albis, aureis v. rarius purpureis.

Apud nos duodecim inveniantur species:

Ranunculus acris

\_\_\_\_\_ flamula

\_\_\_\_\_ repens

\_\_\_\_\_ Lingua

\_\_\_\_\_ auri comus

\_\_\_\_\_ aquatilis

\_\_\_\_\_ sceleratus

\_\_\_\_\_ dinaricatus - *R. crispus.*

\_\_\_\_\_ lanuginosus

\_\_\_\_\_ polyanthemos

\_\_\_\_\_ arvensis?

\_\_\_\_\_ bulbosus?

7.) Ficaria. *Silhou. Dorscheid.*

Sepala 3, Decidua; pet. 8-12, supra unguem foveam nectariferam nudam gerentia; staminina 5; carpella 5, in capitulum congesta, obtusata, mutica, monosperma; fermen erectum.

Radix periculata; folia cordato-reniformia  
grasse crenata; flores adillares et termi-  
nales, longe pedunculati, solitarii, aurei.  
Ficaria vernalis.

8.) Caltha. officinalis. rotundifolia  
Sep 5, petaloidea, aequalia; petala 0; Stamina  
numerosa; carpella plurima, sessilia, ~~at~~  
dehiscencia futura ventrali, polysperma;  
Semina horizontalia

Calthae sunt herbae palustres; foliis indivi-  
sibilibus, crenatis; floribus terminalibus solitariis v.  
subcorymbosis, lacteis.

Caltha palustris. Caltha radicans: officinalis  
nisiq[ue] officinalis, officinalis, officinalis officinalis.

9.) Trollius. europaeus.  
Sepala 5-20, aequalia, petaloidea, decidua; petala  
5-20, ligulata, basi vel fovea nectariifera nu-  
da instructa v. tubulosa; Stam. ∞; carpella ∞,  
sessilia, futura ventrali dehiscencia, poly-  
sperma; semina centralia.

Herbae erectae, glabrae; folia palmati-parti-  
tita; flores terminales; solitarii, magni, au-  
rei vel flavi.

Trollius europaeus.

10.) Aquilegia L. apuleia.  
Sepala 5, petaloidea, aequalia; pet. 5 aequalia,  
infructuosa, callosa; Stamina ∞,  
plurimum perialia, decem interiora perialia,  
carpella 5, dehiscencia, polysperma; semina  
nitida, horizontalia.

Herbae perennes; fol. supra decomposita, vernatione induplicata; flores speciosi, terminales, colore vario, nunquam flavo.

Aquilegia vulgaris?

11.) Delphinium L. Hittorff.

Sep. 5, petaloidea, inaequalia, lateralia, plana, summum porpice calcaratum; pet. 4 inaequalia, libera, duo superiores calcarata, calcaribus inclusis v. omnia in unum calcaratum coalita; Stam. plurima, omnia fertilia; carpella v. solitarium v. 5 v. 3, septica, dehiscentia, polyperma; semina angulosa, testa spongiosa, horizontalia.

Herbae 0 v. 4; folia palmati-lobata, flores racemosi, tribracteati, plerumq. coerulei.

Delphinium consolida.

12.) Aconitum. Spuffet.

Sep. 5. petaloidea, inaequalia, lateralia concava v. planirostrata, superius, caespitium, fornicatum; petala 5, 2 superiora cuculliformia, longe unguiculata, caespitium inclusa, reliqua minuta, linearia, interdum deficientia; Stam. numerosa, omnia fertilia, carpella 3-5 septica, dehiscentia, polyperma; sem. angulosa, testa spongiosa, horizontalia.

Aconitum Lycostomum.

13.) Actaea L. Crispiflora Kunt.

Sep. 4. petaloidea, aequalia; petala sub 4, numero indefinita

Stam  $\infty$ ; carpellum solitarium, baccatum, indehiscent, polypermum;



semina compresso-angulosa, laevia, horizontalia  
Herbae 4; folia tri- v. bipennatis pectata; flores ra-  
cemosi, albi.

Actaea spicata.

III. Berberideae. Jusf.

Sep. 6 v. duplici serie alternantibus, rarissime  
unipariata, colorata, decidua; petala tot quot sep-  
ta; Stamina 6, hypogyna, duplici serie sepalis  
reposita, glandulae v. squamae ad basin petalorum

Antherae adnatae, introspice be-  
culares, loculis valvatis a basi ad apicem des-  
cendentibus; carpell. solitar. unilocul. excentricum  
placenta filiformi, parietali v. basilaris, pluri-  
saepe-quadrioculari; fructus membranaceus  
baccatus, plerumq. ante maturitatem dehiscens  
semen solitarium v. 4. ad basin placentae adax-  
erecta v. horizontalis; embryo in albumine carno-  
rectus, uteris; femine brevior.

Frutices cortice lignoq. flavo, amaro, vel herbae 4,  
saepe radice tuberosa v. acidulae; fol. p. p. saepe  
fasciculata, composita v. simplicia, saepe irrip-  
to-serrata, interdum ad aculeos palmatos reducta  
stipulae nullae, flores racemosi, paniculati v. solitarii  
Diu Menispermum in Laurinum abrup. diu Podophyllum  
puber. mit. 3. Berberid. Aspl. spid. In Nordamerika Kn.  
dis unguis q. q. in Asia, in Europa v. 6 Act.

1.) Berberis L. barbintha.

Sep. 6. colorata, extra tri- bi- bracteolata, pet. 6 bas-  
intus biglandulosa; Stam. 6, irritabilia; carpellum  
catum, subdiparum. Frutices spinos palmatis foli-  
simplicibus praediti; flores racemosi, solitarii, flavo  
Berberis vulgaris.

III Nymphaeaceae.

Sepala 4-6 perispentia, colorata v. extus viridia  
 aestivatione imbricata, petala plurima, thoro inserta  
 v. hypogyna vel thoro ovario adnata, perigyna, pluri-  
 serialia, fric~~ta~~ alternantia, intima sensim in pa-  
 mina mutata; stamina numerosa, filamentis  
 dilatatis, antherae adnatae, introrsae; ovarium  
 pluri loculare, loculis multi ovulatis; ovula  
 loculorum parietibus affixa, stigma e radiis tot  
 quot loculi, complatam, peltatum; fructus sub-  
 baccatus, coriaceus, multi locularis, semina  
 mucilaginis obvoluta, albiginosa; albumen  
 saepe conforme, embryo erectus, extra albumen  
 ad basin eius fixus, fasciculis inclusus, et radice  
 hinc adhaerens. (non fasciculus immixtus fructu di-  
 cotyled. nymphaei) Cotyledones duae, carnosae, ae-  
 quales, plumulam lentiformem, bilobam teger-  
 tes. Herbae aquaticae, rhizomata crasso  
 repente, folia longe petiolata, vernatione in-  
 voluta, cordata v. peltata, natantia v. omni-  
 no emersa. Flores magni, longe pedunculati, so-  
 litarii.

<sup>Hydrocharis</sup> *Hydrocharis* <sup>zosterifolia</sup> *zosterifolia*. <sup>monocotyled.</sup> monocotyled <sup>perisperm.</sup> perisperm.  
<sup>Hydrocotyle</sup> *Hydrocotyle* <sup>zosterifolia</sup> *zosterifolia*. <sup>dicotyled.</sup> dicotyled. <sup>perisperm.</sup> perisperm.  
<sup>Nymphaea</sup> *Nymphaea* <sup>zosterifolia</sup> *zosterifolia*. <sup>dicotyled.</sup> dicotyled. <sup>perisperm.</sup> perisperm.  
<sup>Piper</sup> *Piper* <sup>zosterifolia</sup> *zosterifolia*. <sup>dicotyled.</sup> dicotyled. <sup>perisperm.</sup> perisperm.  
<sup>Victoria</sup> *Victoria* <sup>zosterifolia</sup> *zosterifolia*. <sup>dicotyled.</sup> dicotyled. <sup>perisperm.</sup> perisperm.  
<sup>Hydrocotyle</sup> *Hydrocotyle* <sup>zosterifolia</sup> *zosterifolia*. <sup>dicotyled.</sup> dicotyled. <sup>perisperm.</sup> perisperm.

Nymphaea. L.

Sepala 4. raro 5, extus viridia, intus colorata, petala  
 numerosa, perispermia, staminaque thoro ovario obdu-  
 centi, inserta, stigma pluri radiatum, fructus glo-  
 bosus, petalorum staminaque basi cicatrifatus, folia  
 cordata, <sup>peltata.</sup> flores albi, caerulei vel rosei.

N. alba

Nuphar. Smit.

Sepala 5 v. 6, colorata, petala dorso foveolata, stamina  
numerosa, hypogyna, stigma pluri radiata  
repandum v. dentatum, fructus ovatus, capsula  
folia cordata, flores lutei etiam virescentes.

Nuphar lutea v. luteum var. maximum Blume in  
synonymis plurimum. N.

Nuphar intermedium (D. Newton inff. in botanica  
Smith) var. plurimum Blume

Nuphar pumila. inff. Guss. in herb. bot. Combr.

III. Papaveraceae.

Sepala duo, aestivatione subvalvata, rarius in  
calyptram coacta (min. in Ephedra) caduca,  
petala 4, rarius 6, 8 v. plura, periparia opposita,  
aestivatione contorti plicata, stamina numerosa  
rarius 4, 8, 12. (D. Newton inff. <sup>var. inff. inff.</sup> in 4 ~~inff. inff.~~  
in 4 ~~inff. inff.~~) hypogyna, libera, antherae  
erectae, ovarium liberum, uniloculare, placentae  
binae, intervalvulares, oppositae, dispositio  
spuris connexae v. plures parichales, dispositio  
dimidiata reflexae, stigmata placentarum num.  
populic v. stylo imposita, capsula v. loculari  
siliquaeformis vel semi plurilocularis, semina  
numerosa, rarius pauca v. solitaria, embryo  
minus rectus v. longior curvatus, ad basin alba  
minis carnosio oleosus, radialis stylo spectantis,  
herbae annuae, rarius perennes, rarius fructu  
lactescens, lactice variis coloris, narcotico vel  
acri, folia sparsa estigmata, lobata v. divisa  
rarius integra, linearia, flores solitarii, longe  
pedunculati v. racemoso umbellati

Nisipissus. Fumariaceae v. Ranunculaceae;  
Sium Chelidonium D. Cruciferae.

71.  
Papaver. Linn. Prop.

Sepala 2 convexa, caduca, petala 4, stamina numerosa, stylus nullus, stigma peltatum magnum, 4 ad 20 radiatum (4-20 nervis velis in hinc unum), capsula incompletae, 2-loculares; sub stigmatibus foraminibus dehiscences; sem. numerosa, reniformia, probiculata (aut Klein. Gumb.). herbae plerumque 0, lacte albo v. nutescente, flores solitarii, rarius racemosi.

Papaver dubium

— Argemone (Linn. Gumb. Gumb. Gumb.)

Chelidonium L. F. J. K. K. K.

Sepala 2, convexa, caduca, petala 4, stamina numerosa, stylus brevis, stigma 2, basi connata, v. stigma bilobum, capsula poliquaef., bivalvis, valvis a basi ad apicem dehiscens (v. utrinque infundibulum flaccidum) femina numerosa, placenta duabus intervalvaribus, flosculiformibus, disto pimento prois connatis, affixa, utrida, supra fixum crispata, herbae perennes, lacte luteo, pedunculis umbellatis.

Chelidonium majus?

V. Fumariaceae.

Nabangmunt f. non Papaveri Gumb.

Sepala 2, parva, decidua, petala 4, inaequalia, nunc omnia libera, nunc basi connata, duo exteriora, anterius et posterius, sepala alterna, majora, utrumque v. non nisi unum basi calcitratum, deo interio, iis alterna, aequalia, limbo plicato, cavo apice calloso, subconnata, glandulae nectariferae, duae v. una intra calcar. Stamina hypogyna, 6, diadelphica, rarius libera, in phalangiibus duabus oppositis, ante petala exteriora sitis, antheras aequo vis phalangi laterales, uniloculares (anthera media biloculari) ovarium uniloculare, pluriovatum, placentae

filiiformes, stylus simplex, stigma compressum, bilobum v. radians, fructus plerumque unilocularis, bivalvis v. inflatus v. nucula mono-sperma; semina nitida, supra hylum crispata, embryo minutus, rectus v. curvatus ad basin albuminis carnosus; radice hylum spectante.

Herbae tenues, fragiles, folia sparsa, varie secta; flores racemosi, purpurei, caerulei v. flavi; herbae annuae v. perennes et tunc saepe bulbosae.

### Corydalis. Vent.

Petala 4, superius basi calcaratum, stamina diadelpa, plerumque unilocularis, bivalvis, post-sperma; semina nitida, supra hylum crispata, embryo curvatus; herbae glabrae, perennes, radice suberosa, rarius annuae, radice fibrosa; folia bitendipeta v. ternata bi-tripennati-partita, racemi terminales.

Lis. v. b. Kunt. nov.

Corydalis Halleri v. Lindb. in Sp. Suec. 1797.  
Et pl. univ. 2 art. 1797. v. 1. v. 2. in Island.

### Fumaria. Lis. fr. v. univ.

Petala 4, papilionis (papilionis) basi calcaratum, stamina diadelpa, fructus nucamentaceus, inde hirsutus, monospermus; semina crispata, embryo rectus; herbae plerumque annuae, glabrae, radice fibrosa; folia decomposita dissecta; racemi oppositi, trifolii.

### Fumaria officinalis.

#### II. CruCIFERAE.

Species v. nullius univ. in 3. Papas. ut Fumariae  
Sepala 4, aestivatione imbricata, duo anteriora, anteriora et posteriora (placentaria), saepe basi saccata, duo interiora, lateralia, valvaria; petala quatuor, hypogyne, aestivatione contorta, glandulae hypogyneae 2, 4-6. (ab indur. y. v. b. fr. v. univ. in 3. tomus.)

nectariferac, inter stamina petala et sepala;  
stamina 6, tetragynae, 4 longiora, per paria  
sepalis placentalis, duo breviora, valvaris  
anteposita, ovarium liberum, e carpellis binis con-  
natum; stigmata duo, sessilia v. stylo impo-  
sita, valvis alternata, interdum connata, fruct-  
tus, filiquosus, placentis binis, angustis  
intervalvarius, uni v. saepius pluriovula-  
tis, dissepimento spuris, interdum evanido  
connexis, dehiscens, lomentaceus v. nucamen-  
taceus; femina pendula, in 4 seriebus (hata-  
ris una v. zoni Zuelm Zepreum; 4 zoni lig 6 Naphut.)  
caulaminosa; embryo curvatus, radiceula  
ad cotyledones reptata, cotyledones planae  
plicatae v. spirales; herbae rarius suff-  
ruticosae, folia sparsa, raris semis opposita  
v. verticillata, racemi saepissime ebracteati  
flores racemosi;

In dem Argvriden fast ausgeschlossen in dem Gebiet  
d. f. n. mit den Violaceen in Cyprien. Die Bl. sind  
v. klein. perit, mit 1200 Art. in der West. Ind. in  
die Karib. Inseln. Hier v. Heliophylla in der West. Ind. in  
Zoni etc.; die Cotyled. sind hier in 4. der West. Ind. in  
den Mittelmeer-Regionen vornehmlich in der Levante. Hier v. den  
Mittelmeer-Regionen v. den Karib. Inseln v. den West. Ind. in  
den Mittelmeer-Regionen v. den Karib. Inseln v. den West. Ind. in

Cotyledones planae, dum long. sub  $\frac{1}{2}$  anguliferae  
in (nati v. rimalis, acumbentes).  
Cotyledones planae, acum beutend, proctus de  
piscens; filiqua (abbreviata, tergita, bisulca in  
Gutt. Naphutium) elongata: tetragono-anceps (bisulca v. Gutt. Barborea.  
linearis - compressa dum in formam biserialia (Ternitis) ad.  
minoribus uniserialia. (bisulca v. Gutt. ab utrob. valve ne  
gio trinerviae (bisulca v. Gutt. Arabis) valvae enarvicae, elasti-  
cae dissepentes (bisulca in filiquis Gutt.) femiculi pinnati  
et filiformes (Camemine) ad. f. v. par. alato dilatati (Scutaria)

Carduaceae pro fibris in Nigella pro simp. stylis. Scutell.  
mit 2 longis f. f. Cotyled. 2 ystipol. Nigella.

Fructus: siliicula.

Dissepimento parallelo-compressa: filamenta  
appendiculata: petala bifida (Berteroa), petala  
indivisa (Alysum). Filamenta nuda.

petala trifida Erophyla, petala indivisa (Graba)  
Dissepimento contrario depressa et angusta petala  
(Thaspi).

Fructus tomentaceus (in 2 lobis) his articulatis  
(Cacile). Neurorrhiceae.

Fructus bilinguis v. 2. Purp. Cotyled.

Cotyledones incumbentes: siliqua fructus dehis.  
a) siliqua: teretis uscula, valvis trinerviis  
(Sisymbrium) b.) quadrangulis, valvis un-  
nerviis (Erysimum)

Siliicula

a) turpida (Camelina) b.) alata compressa:  
1.) loculis polyspermis (Cappella) 2.) loculis  
dispermis (Hutchinsia) 3.) loculis monospermis  
(Lepidium)

Fructus indehiscens: globosus (Nolia) planis  
(Hatis) Notorrhiceae.

Cotyled. conduplicatae: siliqua: 1.) dehiscentis d.) un-  
nervia (Brassica) b.) valde tri-  
(Lirapis) 2.) indehiscens v. tomentacea (Raphanus)

Siliicula: monosperma (Crambe) Orthoploceae

Cotyled. spirales: Bunias. Spiralobaceae.

Cruceiferarum ordium,  
quae in Livonia reperiuntur.

I. Cotyledones, planae, accumbentes

1. Fructus dehiscens

a. Siliqua:

abbreviata, turgida — — Nasturtium

elongata:

tetragonis-anceps — — Barbarea

linearis-compressa:  
few. biserialia — — Turritis

— uniserialia:

valvae medio uninerviae — Arabis

— enerviae, clavicis diffidentes:

funiculi feminales siliiformes — Landamine

funiculi feminales alato dilatati — Sententia

b. Silicula:

Dissepimento parallelo compressa:

Filamenta appendiculata:

Petala bifida — — — — Berteroa

Petala indivisa — — — — Alysum

Filamenta nuda:

Petala bifida — — — — Erophila

Petala indivisa — — — — Trapa

Dissepimento contrario depresso — — Thlaspi

2. Fructus tomentaceus, biarticulatus — — Capsula

Pleurorhize

II. Cotyledones incumbentes

1. Fructus dehiscens

a. Siliqua:

teretivouca, valvis trinerviis — — Silybrium

quadriangularis, valvis uninerviis — — Elysimum

b. Silicula:

turgida — — — — Camelina

a latere compressa:

loculis polyspermis — — — — Cappella

— dispermis — — — — Ritchinsia

— monospermis — — — — Lepidium

2. Fructus indehiscens:

a. Silicula:

globosae — — — — Neslia

peanae — — — — Flatis

Notorhizeae. 0 ||

III. Cotyledones conduplicatae

a. Siliqua:

dehiscens  
valvae uninervial — — — — Brassica

— tri-quinquenervial — — — — Sinapis

indehiscens v. tomentacea: — — — — Raphanus

b. Silicula:

monosperma — — — — Crambe

Spiralobae. 0 || |

IV. Cotyledones spirales

Punica



Nasturtium, Rob. Brown. *Erucium krafft.*

Non Lima ad *Symbrium guzuyum*

Sepala basi aequalia, <sup>(sicut in *Trichoman*)</sup> patula; petala indivisa, glandulosa  
 hypogynae quatuor, valvariae bilobae, placentarum  
 interdum defixae, filamenta libera, edentula;  
 stigma brevissime bilobum, filiqua bilocularis, fetis  
 foliis, sargida, saepe abbreviata. (Sicut in *Art. Kunt.* in  
 vultu in *foliula* vultu) interdum linearis; valvae conve-  
 xae, enerves, venosae, semina numerosa, sub qua  
 tri serialia (in *Trichoman*) parva, imarginata, punctu-  
 lata; funiculi feminales liberi. (Sicut in *Trichoman* & *Trichoman*  
 obliquum *Trichoman* & *Trichoman*.)

Folia saepe pinnati-secta; flores flavi, rarius albi. Sicut  
 in *Trichoman* & *Trichoman* in *Trichoman* & *Trichoman* in  
*Trichoman* & *Trichoman* in *Trichoman* & *Trichoman*.

Nasturtium palustre, DC.

*amphibium*. Rob. Brown.

*Trichoman* & *Trichoman* in *Trichoman* & *Trichoman*.

Barbarea, Rob. Brown.

Sepala basi aequalia, erecta; petala indivisa, glandu-  
 losae hypogynae, valvariae, bilobae, placentarum  
 filamenta libera, edentula; stigma capsitatum, sub-  
 integrum; filiqua bilocularis, fetis, compresso-  
 gono (*Trichoman*) elongata, valvis carinatis, semi-  
 uniserialia, imarginata, punctata, funiculi femi-  
 nales liberi; herbae perennes v. biennes; glabrae,  
 folia lyrata v. basi auriculata, flores lutei v. al-  
 rei.

*Trichoman* & *Trichoman* in *Trichoman*.

*Barbarea striata*, *Trichoman*.

*Barb. vulgaris*, Rob. Brown.

Turritis, Linn.

Sepala basi aequalia, patula; petala indivisa; glandu-  
 losae hypogynae valvariae, simpliciter, placentarum  
 sub nullae, filamenta libera, edentula;  
 stigma capsitato-integrum, filiqua bilocularis.

filifolia, compressa. 4 gnos, valvis carinatis,  
femina bifurcata, inanginata, levia, favi  
culi sem. liberi.

Linguz pispas pispas in zi<sup>o</sup> Arabis jasp. qzuzqan pisp.  
Herbae bianner v. annuae, folia amplexicaulia,  
indivisa; flores albi.

Turritis glabra Lin.

Arabis. Lin.

Sepala aequalia v. valvaria basi gibba, erecta  
petala indivisa; glandulose hypogynae, valvariae  
simplices v. bipartitae, placentariae 2, 4 v. nul  
lae; filamenta libera edentula; stigma  
capitatum, integrum; filigina bilocularis, sespi  
lis (ulps. sp. gynophorum) dispositio parallelis  
compressa, linearis; elongata, valvis planis  
nullis, uniserialis, femina uniserial, inanginata  
vel marginata compressa; funiculi feminales  
liberi; herbae annuae, v. biennae, immo suffru  
scicae, plerumque petis rigidis, furcatis abfi  
sae; folia radicalia repulata, caulina  
amplexicaulia v. petiolaria, plerumque integra;  
flos albi v. rosei, raris, v. cuculi.

Arabis hirsuta. Scopoli.

Arabis gerardi. Presp.

Arabis arenosa. Scopoli.

Cardamine. Lin.

Sepala basi aequalia, erecto-patula; petala in  
divisa, gland. hypogyn. valvariae, lineae, inaequae v.  
bilobae, placentariae binae v. nullae; filamenta  
libera, edentula; stigma integrum, filigina sespi  
bilocularis, dispositio parallelis compressa,  
linearis, elongata, valvis planis, enerviis, elap  
se dispositis; femina uniserialia, com  
presse emarginata, levia; cotyled. planae;  
funiculi sem. filiformes, liberi.



laris, elliptica v. suborbiculata, in 7 segmentis  
 parallele - compressis, valvis planiusculis  
 dehiscens, polyperma; funia bi-serialia, compressa,  
marginato-angulata; funiculi seminales subul-  
 titeri; herbae biennes v. perennes, pube pellata  
incanae; folia integerrima, racemi ebractea-  
 ti, flores albi

*Berberoa incana* Sel.  
 Syn. *Alystrum incan.* Lin.

*Alystrum* Lin.

Sepala basi aequalia, erecta; petala integra v. ovari-  
ginata; glandulae hypog. 4 valvariae, fila-  
 menta libera, unia v. nonnulla membra  
 na appendiculata; stigma integrum; plicula  
 bitrilocularis, suborbiculata, distipim. parallelae  
 compressa, valvis plerumque directo, convexis,  
 limbo planis, dehiscens, loculis mono-di-  
 spermis; per. compressa, in herodem membra  
 nae-marginata, funiculi ser. liberi v.  
 breviter basi adnati; herbae annuae, biennes,  
 perennes v. suffruticulosa; pube pellata  
lepidota incanae; folia parva, integerrima,  
 racemi terminalis, ebractea; flores plani-  
sel aerei.

*Alystrum montanum* Lin.

*Erophila* Sel.

Syn. Lin. 26 *Draba squarrosa*.  
 Sepala basi aequalia, laxiuscula; petala lymbobis-  
partita; glandulae hypogaeae, 4 valvariae,  
 filamenta libera edentula; stigma subfere  
 integrum; plicula bitrilocularis, ovalis v. ellipti-  
 ca, distipimento parallele - compressa, valvis  
 planiusculis dehiscens; loculis polypermis,  
 femineis bi-serialia, minuta, imarginata; funi-  
 culi ser. liberi; herbae annuae, tenerae, folia  
 omnia radicalia, rosulata; scapi aphylli.

flores racemosi, albi minuti.  
Erophila vulg. Ill.  
Syn. Draba verna L.

Draba. Lin.

Sepala basi aequalia, erecta; petala indivisa; glandulae hypogynae valvariae 4 v. 2, filamenta libera edentata; stigma integrum v. lobatum, filicula bitrilocularis, suata, ovalis v. elliptica, diffinito pimento parallelo-compresso, valvis limbo convexis, disco planis, dehiscenti, polyperma gemina biserialia imarginata; funiculi pediculi bini; herbae perennes, biennes, rarius annuae; pubes varia vestital; folia integra v. dentata, radicalia saepe repulata racemi cbracteati, flores albi, flavescentes v. albi.

Draba contorta Ehrhard. n. sp. Hall. Sued.  
— lutea. Gilibert. v. n. Draba muralis  
synonymum sui 4 Gled. 1. Aljosinaceae.

R. filiculopae anemifoliae. III. Thlaspiaceae.

Thlaspi. Lin.

Sepala basi aequalia, erecta, petala indivisa, glandulae hypogynae valvariae 4, fol. libera, edentata, stigma integrum; filicula bitrilocularis, filicula (v. n. sp. Hall.) orbiculari-obovata, diffinito pimento convexo-compresso, valvis nonnucularibus, carinae alatis, dehiscenti, 4-8 polyperma, gemina biserialia, imarginata, saepe striata, funiculi pediculi bini, pubulati, ima basi adnati; herbae annuae, biennes v. perennes, plerumque glabrae folia integra, flores racemosi, albi.

Thlaspi annuum Lin.  
Thlaspi bursa-pastoris. Hall. n. sp. Hall. n. sp.

IV. Cakiliaceae v. Platanorh. lomentaceae.  
Cakile. Tournef.

Sepala basi aequalia, erecta, petala indivisa,

glandulose hypogynae, valvular, binae, internae,  
 bilobae, placentariae binae, ovato-lanceolatae,  
 filamenta libera, edentula, stigma in legumini,  
 liguae prolixae, biarticulatae, articulo superiore ma-  
 jore, tetragono-capiformi, v. ovato-spongio-  
 so, inferiore brevior, obpyramidato, fere denti-  
 bus, dissepimento tenui, primo, subbilobularibus,  
 mono-permis, indehiscentibus, semina ob-  
 longa, inferius pendulum, superius erectum  
 cotyled. rudiculum peris amplexentes, fu-  
 niculi sem. brevissimi clavati. liberi, herbae  
 maritimae succulentae, glabrae, folia pinnati-  
 partita v. pinnata, flores laxo racemosi, di-  
 cute-violacei, v. albi.

*Cavite maritima Scopoli.*

*in Notorhizae rotundifoliae) Silymbriaceae*  
*Notorhiz. silymbriaceae. S. Silymbriaceae.*

*Silymbrium L.*

sepala haec aequalia, erecta v. patula, petala in-  
 divisa; glandulae hypogynae, valvular, duae,  
 annulares v. bilobae, placentariae nullae  
 v. binae minutae, filam. bi-articulatae. stigma  
 integrum; liguae bilobularis, prolixae, teretibus-  
 la v. subulata v. dissepimento contraria  
 compressa, brevior, elongata, valvis con-  
 vexis, trinevisibus, dehiscentibus, poly-perma  
 semina uniperispermia, inmarginatae, funicu-  
 li sem. liberi, foliiformes, herbae annuae, bi-  
 caules; perennes, variforme suffrutices; glabrae  
 vel pubescentes respiratae, nonnegreum vero prolix  
adnatis; folia varia, racemi apiculati, v. flores axillares  
 subproplexi, flavi, albi v. rosei.

- Silymb. officinale <sup>in offic. L. v. Silymb. offic.</sup> <sup>in offic. L. v. Silymb. offic.</sup>
- *Halpianum* <sup>in offic. L. v. Silymb. offic.</sup> <sup>in offic. L. v. Silymb. offic.</sup>
- *Lophia* L.
- *Jupinum* L. <sup>in offic. L. v. Silymb. offic.</sup> <sup>in offic. L. v. Silymb. offic.</sup>
- *Alliaria* Scopoli. <sup>in offic. L. v. Silymb. offic.</sup> <sup>in offic. L. v. Silymb. offic.</sup>

*quoniam in offic. L. v. Silymb. offic.*

Erythraea L.

Lepala basi aequalia v. subvaria gibba, petala  
indivisa, glandulae hypogynae valvariae  
internae, lunulatae, placentariae, binae,  
externae, plerumque bi-trilobae; filamenta  
libera edentula, stigma simplex v. trilobum,  
filique bilobulatis, pistis, tetragonis  
elongata, valvis acute-carinatis, univariis,  
obovatis, polyperma, perina aciculis  
periculis, emarginata, funiculi sem. pediculi  
petali; sep. annual, perenni v. bienni  
pilis adnatis, bi-quinque cucurbitatis, vestitae,  
folia angusta, integerrima v. remote-dentata  
v. sinuata; racemi ebracteati, flores  
flavi, rarius albi.

Erythraea Cheiranthoides L.

VI. Camelinae.

Notand. filiculosae late-septae  
Camelinaceae.

Camelina Crantz.

Lepala basi aequalia, cretula, petala indivisa,  
glandulae hypogynae valvariae quatuor, filamenta  
libera edentula; stigma integrum, filiculis  
obovatis, abovato-subobovatis, valvis ventriculis  
apice in processum binarium, stylis deciduis  
applicatis, protractis, obovatis, polyperma,  
perina aciculis emarginata, funiculi pediculi  
petali; sep. annua, remota, fol. amplexicaulis,  
racemi ebracteati, flores flavi.

Camelina sativa Crantz.  
Syn. Myagrum sativum, L.

VII. Lepidinae Notand. filiculosae angustae-septae.

Capsella Koch. ovum Lin. ex Thelypodium.

Lepala basi aequalia, laeva, petala indivisa,

glandulae hypogynae, valvariae 4, fil. libera, ede-  
 nata; stigma in pyramidem; filicula bilocularis, dis-  
 sippiamento contrariocompressa, plana, abovse-  
 triangularis v. oblonga, valvis navicularibus,  
 apteris, dehiscens; polyperma; perina asperi-  
 alia, emarginata, funiculi fem. liberi sta-  
 cili; herbae annuae v. biennis ramiferae, folia  
 indivisa v. incisa; racemi terminalis; bractei-  
 sti; flores albi, parvi.

*Capitata barba pastoris* Koenig  
 sp. Therop. barba pastoris Lin.

*Hutchinsia* Rob. Brown.

sepala basi aequalia, caesa, inaequalia per se  
 petala indivisa; glandulae hypogynae palmariae  
 the stigma simplex, filicula bilocularis, fi-  
 lici, ovalis v. elongata, disippiamento con-  
 trarie-subcompressa, valvis navicularibus,  
 utrinque acutiusculis dehiscens, 4 v. 6 v. polyper-  
 ma; perina unguis emarginata ~~caesa~~, funi-  
 culi fem. stacili liberi; herb. annuae v. peren-  
 nis; pube ramosa vestita; folia pinnati parti-  
 ta, racemi terminalis; bracteiati; flores albi.

*Hutchinsia petraea* Rob. Brown. n. sp. *Lilium in. b. sp.*

3.) *Lepidium* L.

sepala basi aequalia, petala; petala indivisa; glandulae  
 hyp. valvariae 4; fil. libera edentata; stigma inte-  
 gram; filicula oblonga, orbicularis, ovata  
 v. obcordata, disippiamento contrarie-compressa,  
 valvis navicularibus, carinatis v. alatis dehiscens,  
 bilocularis, loculis monosporis, fm. plerumq.  
 immarginata; funiculi femin. stacili, in  
 basi adnati.

Herbae v. suffrutices, ramiferae; folia in-  
 tegra v. pinnatifida, racemi terminales,  
 bracteiati (apud genus *Senecio* racemi  
 inveniuntur axillares) flores albi, parvi  
 interdum apetalis; Stamina duo v. quatuor



majora interdum deficientia.  
Lepidium latifolium L.  
ruderale. L.

VIII. Flaticae v. Notorhizae nucamen-  
faceae.

1.) Neolia. Serp.

Lep. basi aequalia, erecta; pet. indivisa; glandulae hypog. & valvariae, filamenta, liberae edentula; stigma integrum; silicula sessilis paniculari-subglobosa, coriacea, indehis-  
centi-locularis, monosperma; semen horizontim marginatum; funiculus sem. brevissimus, liber.

Herba annua, erecta, superne ramosa, pilis bi-trifurcatis scabra; folia caulina sagittata remote dentata, racemi terminales, elongati flores flavi, parvi.

Neolia paniculata Serp.  
syn. Myagrum paniculatum L.

2.) Flatis. L.

Lep. basi aequalia, patula; pet. indivisa, glandulae hypogynae, valvariae 4, placentariae 2, filamenta, libera edentula; stigma integrum; silicula sessilis, contraria, compressa plana, alata, unilocularis, indehiscentis, monosperma; semen pendulum, imarginatum, funiculus sem. brevissimus, liber. (Interdum fructus deusque dehiscentis, valvula oblique dehiscente.)

Herbae biennes, subglobosae, glaucae, folia integra, caulina sagittata amplexicaulia, racemi term. ramosi, cbracteati; flores parvi, flavi.

Flatis tinctoria L.

IX. Orthoploceae.

- 1.) Liligofoae.
- 1.) Brassica. L.

Sep. basi aequalia, conniventia, pet. indivisa; glandulae hyp. valv. 2. et placenta 2, fil. lib. edentata; stigma indivisum; stigma sessilis; teretiuscula, elongata, bilocul. valvis convexis; subnervosis dehiscens, polyperma; semina uniserialia, globosa; funic. sem. liberi, marginati.

Herb. perenn. glabrae, rarius suffruticosae; folia lyrato-pinnatifida lobata; racemi teran. ebracteati; flori. flavi, rarius albi.

Brassica rapa. L.

- 2.) Linapis L.

Sep. basi aequalia, patentia; pet. indivisa, glandulae hyp. valv. 2. placenta 2, fil. lib. edentata; stigma bilobum; stigma sessilis, linearis o. oblonga; phylloprostrata, bilocularis, valvis convexis, distincte 3-5 nervis dehiscens, polyperma, semina uniserialia, globosa; funic. semin. basi dilatati, liberi;

Herb. s. suffruticosae, saepius piloso-hispidae, folia perenn. lyrato-pinnatifida; racemi ternales ebracteati, flores flavi.

Linapis arvensis. L.

X. 2. Orthoploceae Lomentaceae v. Raphanaceae.

- 1. Crambe L.

Sep. basi aequalia, patula, pet. indivisa, glandulae hyp. valv. 2, placenta 2; filamenta libera, longiora furcata; stigma integrum; stigma abbreviata, biarticulata; articulo inferiore pedicelliformi, sessili, superiore globoso, nucamentaceo, uniloculari, monospermo; semen globosum, pendulum; funiculus sem. filiformis, elongatus, e fundo loculi adhaerens.

Herb. perennes, rarius suffruticosae; glaucae, glaberrimae, v.

hirtae; folia variegata, saepe dissecta; racemi ter-  
minales, ebracteati, flor. albi.

*Crambe maritima* L.

2) Rhaphanus L.

Sep. valvaria, basi gibba, erecta; pet. indivisa,  
gl. hyp. valv. 2, internae, placentariae 2 externae  
stam. lib. edentatae; stigma subbilobum; fil.  
que elongata, stylo rostrata, spongiosa, tra-  
verse multilocularis v. teres et laevis v. mor-  
siformis, in articulos pedans, polysperma; femina  
globosa pendula; funic. pm. adscendentes.

Herb. annuae v. biennes, hirsutae v. glabrae; fo-  
lia inferiora lyrata; racemi elongati; ebracteati  
flores albi, flavi v. purpurascens.

Rh. Raphanistrum L.

XI. Buridaeae v. Spirolobeae nucamentaceae

1. Bunias L.

Sep. basi aequalia, laxa; pet. indivisa; glan-  
dulae hypogynae valv. 2, plac. 2, fil. liberae edent  
stigma integra; sticulae nucamentacea, sub-  
ovata, crispata, verrucosa v. laevis, bilo-  
cularis v. quadrilocularis, indehiscens, 2-  
v. tetrasperma; fem. pendula, im arg. funic. p.  
brevisissimi, liberi.

Herbae annuae, biennes v. perennes, gla-  
briusculae, v. petis punctatis hirsutae pinnulif.  
pilis crassis brevibus muricatae; racem-  
i terminales et axillares, ebracteati; flor.  
flavi, rarius albi.

Bunias orientalis L.

XII. Cistaceae.

Sepala 5, perispermia, 2 exteriora, minora, interdum eva-  
(rarissime huc majora)  
 nida, 3 interiora per aestivationem sinistram  
 contorta; petala 5, rarius tria, caduca, aestiva-  
 tione sepalis contrarie contorta, stamina hy-  
 pogyna, numerosa, libera, ovarium liberum  
 & carpellis 3, 5 v. decem completum; stylus  
 simplex, stigma simplex, capsula plerumque  
 polyperma, dissepimentis nullis vel incomple-  
 tis unilocularis, valvis medio placentiferis  
 vel dissep. completis plurilocularis, placentis  
 centralibus; embryo intra albumen spiralem  
 spiralis aut curvus, radicalae directione variat.  
 frutices v. suffrutices, rarius herbae annuae,  
 saepe resinae ferentes; folia inferiora saepe  
 opposita, superiora interdum parva v. stipula-  
 ta v. petiolata vaginante perditata; fl. termi-  
 nales solitarii v. in axillam racemiformem  
umbellatae Art. binarii in fl. 2 p. 3. in thall. 3.  
 dispositi. Maianthea Art. in woodwiana K.

Helianthemum, Tournefort, Del.

Sepala 5, 2 exteriora, minora v. nulla, petala 5  
 caduca, stamina numerosa, irritabilia, ovarium  
 triangulare, stylus apice incrassatus, stigma  
 subtrilobum, capsula trivalvis, valvis medio  
 septo incompleto v. nervo prominulo seminiferis,  
 semina numerosa, membranae involuta,  
 albuminosa, albumen tenue; embryo curva-  
 tus, radicle a hylis aversa; herbae suffrutices v.  
 fruticuli; folia opposita v. opposita parva, in-  
 tegerrima, saepe sine stipulata, fl. cymoso-racemosi  
 v. umbellati, nunquam capulati.

Helianthemum vulg. Gaertn.  
 Syn. Cist. helianth. Lin.

XIII. Violariaceae v. Violaceae.

Sepala 5, perispermia, rarius basi connata

imbricata; petala 5, hypogyna, aestivatione  
 involuta, inaequalia, exterius superius majus, pro-  
 nunque calcaratum v. cucullatum; filamenta 5,  
 sepalis appropita v. antepropita, disco hypogyno inferta;  
 filamenta brevia, dilatata, apice in membranam ani-  
 dam producta, duo anteriora appendiculata, in  
 calcar immersis, praecerta; antherae lateri filamento-  
 rum interiori adnatae, biloculares, ovario adpresso  
 saepe cohaerentes, demum liberae, ovarium biva-  
 rum, uniloculare, placentis 3 paripetibus;  
 stylus simplex, clavatus; stigma varium; capsula  
 unilocularis, 3-valvis, valvis dehiscentibus,  
 duplicatibus; medio placentiferis, polysperma,  
 femina tenui, ovum axillata, embryo rectus  
 erectus, in albumine carnosus; plantae perenni-  
 annuae v. fruticosa; folia spatosa, stipulae libe-  
 rae, saepe magnae; fl. solitarii, in pedunculis  
 radicalibus v. axillaribus elongatis, bibracteolatis  
 cetero inaequales, multicaules.

Viola Linn. in d. quinque spec. Guajundum. d. florum fortissimum in  
 frispum d. d. d.

Viola. Linn.

Sepala 5, subaequalia, basi in appendicem producta,  
 petala 5, inaequalia, exterius, corollam in calcar pro-  
 ductum; antherae subsessiles, dilatatae, cohaeren-  
 tes, apice membranaceae productae, 2 anteriores  
 basi calcaratae; stylus geniculatus, superius inaequalis  
 stigma varium, capsula unilocularis, tri-valvis,  
 valvis medio placentiferis, polysperma; herbae  
 annuae v. caulescentes, rarius frutices; folia integra  
 v. lobata, stipulae petiolares, pedunculi solitarii  
 axillares, bi-bracteolati; flores v. concoloris  
 colore vario, nunquam vero rubris v. variegatis.

- Viola patens Linn. var. viola epiphys.
- mirabilis Linn. d. esp. alium supra in d. d. d.
- lupulina Linn. d. esp. alium supra in d. d. d.
- canina Linn.
- fytolopis Lamour. var. fytolopis fl. 3.
- arenaria Sel. — var. 3 d. d. d. d. d. d. d.
- tri-color Linn.
- odorata Linn. ? montana?

III. Trofopraceae.

Lepala 5, aestivatione imbricata, prof. pentia, aequalia; se-  
pala 5 & hypogyna, marcescentia, aequalia; Stamina 5,  
roscis 10, 15 v. 20, antherae erectae, biloculares; ovarium  
liberum, uniloculare, rarisime 2-3 locul. multilocu-  
laturum, placentiss; parit; me paucioribus paritali-  
bus; styli solitudo; Stigmata plura; capsula unilocu-  
laris raro, 2-3 loculari, loculis def. tri-quinque velis,  
polyperma; semina saepe reticulata involuta; embryo  
rectus, erectus, in asi albuminis carnos; Herbae perenn;  
varius annuae, folia simplicia, pilis glanduliferis  
marginis v. etiam in pagina superiore obsita, vernatione  
circinali; petalorum basi dilatata, saepe ciliis  
rigidis stipulaefornibus aucta; fl. solitarii v. paucis  
in cyma scorpidiida, racemiformi circinali.

Parnassia

Trofopra lin. Rotundifolia

Lepal. 5, subaequalia, basi cincta, pet. 5; Stam 5;  
antherae biloculares, longitudinaliter deh. recentes,  
ovarium e carpellis 3 v. 5 connatis, styli 3-5  
bipartiti; capsula unilocularis, apice 3-5 valvis,  
valvis medio placentiferis, polyperma; sem. mem-  
branoso-involuta, membrana saepe utrisque laxa;  
embryo in albumine carnos in n. utriusque prope  
hylum, herbae acaulis, folia juniora circinali in-  
voluta, glandulop. ciliata, papi racemif; floris albi;

Trofopra rotundifolia L. in Drusch.

intermedia. Rejre. mit enryl. Levth.

Parnassia lin. Thryblott.

Lepala 5, subaequalia, pet. 5; Stam 5; antherae bilocu-  
lares, longitudinaliter deh. recentes, Stamina 5; antepetala  
carnosae, apice lobatae, petis glanduliferis  
5-18, flabellato ciliatae; ovarium e carpellis  
4 connatis; styli nulli, Stigmat. 4; capsula  
uniloculari, apice quadrivalvi, valvis medio  
placentiferis, polyperma, sem. scabiformis,  
embryo in albumine tenuisimo rectus; herbae

Engel Corken Semenfallen  
S. Heide II 394.

30.  
perenni, caule simplicissi, unifolio, unifloro,  
fol. integerrimo, flones albi.

*Parnassia palustris* L.

XV. Polygaleae. Nunc aut d. Fremandreae in h. l. p. summa  
Lep. 5, aestival. imbricata; 2 interiora, majore, petala  
caudex; pet. 5 v. saepius 3, inter se et cum pinnis  
varie ornata, inaequalia, anticum plerumque  
majus, saepe trilobum, lobo medio fimbriato-  
cristato; Stam. plerumq. 8; filam. inaequalia,  
postica breviora; omnia in columnam  
bifidam (bipartitam) coacta; antherae erectae  
coniventes; stigma amplectentes, unilocu-  
lares, poro simplicitate apice trilobis, ovu-  
riam e carpello bivio, anticis et posticis, connatis  
liberis, biculiculis bivalvatis; Stylus pini-  
plex; stigmata duo <sup>(v. stigma)</sup> (bilocum); capsula biculiculis  
dissepimento valvis contrariis, bivalvis, disper-  
ma; rarius fructus carnosus illi samara  
<sup>monosperma;</sup>  
~~petiolata~~ sem. pendula, hylo carunculata,  
alb. carnosum; embryo axillis; radice  
ad hylum versa; herbae perenni, v. suffruticosa  
v. frutici; annuae, fol. plerumq. sparsa, pin-  
plicata, integerrima, exstipulata; flores rari  
nervi axillares, solitarii (Pallas) pet. 15-20 (Pallas)

Polygala L. Lantzblum

Lep. 5, per. pentina, duo lateralia, maxima, pen-  
taloida; pet. 5. pinnis tribus adnata, anticum  
convexum, saepe crispatum; duo lateralia, minor-  
tissima, saepe deficientia. Stam. 8, in fere mona-  
delpha, apice in phalanges duas aequales divisae  
anth. uniloculares; capsula membranacea  
compressa, biculiculis, disperma; sem. capsula  
runcula 4-dentata cincta, apice nuda

Fruticuli v. herbae, folia plerumque parva,  
raro opposita v. verticillata integerrima,  
racemi terminaliales, fl. pedicellati, tribractea-  
ti.

*Polygala vulgaris* Linn. in monte Helvum, saltem in subalpina  
comosa Schub. in p. Bläman, die Saachen gemelli p. 116  
sp. hybrida Sel. hinc come, p. 116 Newcomb, v. 116  
amara Linn. in m. p. 116

III. Sileneae.

Nota. Saponaria. Portal. Chenop. & Amarant. v. amarant.  
Mitou. Alpinus in p. 116 in m. p. 116  
Coryphellum. die p. 116 in m. p. 116

Sepala 5, in calycem 5-dentatam connata, dentibus  
aest imbricati, pet 5, sepalis anterioribus, longe unguicu-  
lata, cum stami nibus anthroporo plus minus  
elongato inserta; stamina 10, alba, petalorum  
unguibus adnata, rarius 5, ante sepala posita; ova-  
rium liberum, e carpellis 2-5 connatum, ju-  
nius saltem basi bi-quinque loculare; multi-  
ovulatum, placenta centrali, demum septis  
evanidis in columnam centalem liberam  
concretis; styli 2-5, a basi distincti; capsula  
apice dentibus 4, 6 v. 10 dehiscens, rarius sene peri-  
carpio caroso indehiscens; semina albuminosa  
albamine farinacea, v. reniformia embryo-  
ne peripherico v. peltata, embryone recto;  
radicula ad basem versa.

Herbae 4 v. 0 raro suffrutices; folia opposita,  
integerrima, castipulata; flores cymosi, nun-  
quam coerulei

- A. Styli quinque - - - Lychnis
- B. - tres - - - Silene
- C. - duo

a.) semina reniformia, calyx turbinatus - Gypsophylla  
b.) - peltata - cylindricus - Dianthus  
Athen Saponaria if ab quinifolia, ob p. 116 v. 116



Lychnis L. Lipshultz.

Calyx basi nudus, & dentatus, petal. 5 unguiculat.  
Pamina 10; styli 5; capsula semiquinquelocul.  
laris v. unilocularis, apice dent. bar 5  
v. 10 & trisens, sem. reniformia, embryo  
perispermicus.

Herbae annuae v. perennes, plerumque viscidae  
cymae laxae v. fasciculatae v. ad florem so-  
litarium reductae.

- Lychnis viscaria L.
- diurna <sup>Lipshultz</sup>
- dioica v. serotina <sup>Lipshultz</sup>
- flac. cuculi <sup>Lipshultz</sup>
- githago <sup>Lipshultz</sup> Agropogon githago L.

Lilene L. Trinobrunhoff.

Calyx basi nudus, & dentatus, pet. 5 unguiculatae  
Pamina 10; styli 3; capsula basi trilocularis, apice  
sex-valvis; semina reniformia, embryo perispermicus.

Herb. an. v. peren. flores cymosi, cyma saepe racemiformi,  
albi purpureascentes lividi saepe  
nactiflori.

- Lilene inflata <sup>Smith.</sup>
- <sup>syn.</sup> cucubali <sup>Behen</sup> L.
- <sup>syn.</sup> otiter. <sup>Parsons</sup> <sup>Linum</sup> <sup>bl.</sup> <sup>diuifl.</sup>
- <sup>syn.</sup> cucub. otiter <sup>L.</sup>
- chlorantha <sup>Hooker</sup> <sup>petun.</sup>
- nutans <sup>L.</sup>

Gypsophila L. Gyys Bruil.

Calyx herbinate-companulatus, quinque lobus, basi  
nudis; pet. 5 obovato spatulata, nuda; pamina 10  
styli 2; capsula unilocularis, apice quadrivalvis  
sem. reniformia globosa; embryo perispermicus  
Herb. di aut bi distonno cymosae, foliis angustifloris  
flores pauci albi v. rosei.

- Gypsophila muralis L. <sup>syn.</sup> <sup>pratensis</sup> <sup>Strohm.</sup>
- fastigiata L. <sup>syn.</sup> <sup>strobilifera</sup> <sup>Strohm.</sup>

Gypsophila serotina Heyne mit uns. gypsoph. L. <sup>syn.</sup> <sup>strobilifera</sup> <sup>Strohm.</sup>  
<sup>min. art.</sup>

Gianthus L. Nalk.

Calyx cylindricus s. dentatus; basi squamis fuscis; sepalis s. ad faucem in unguem linearibus contractis; Stamina 10; styli 2; capsula uniloculari, apice quadrivalvis; semina pellata, hinc convexa, ilinc concava; embryos dorsalis, rectus, ciliis

Herbae rarius suffruticosae, saepe glaucae; fol. linearia; flores ternis vel solitariis fasciculati, albi v. purpureo-ascens.

Gianthus Deltoides L.

arenarius L. praeferendus. Lin. syst. bot. univ. in Bl. in null.  
superbus L. petal. v. l. in syst. Bl. in umbell.

XVII. Alfineae.

Sepala 4-5 libera, aestivae imbricata; petala 4-5 sepalibus alterna, rarius abortu subnulla; stam. 10 v. abortu pauciora, libera, annulo glanduloso hypogynae vel subperigynae inserta; ova. liber. e capsula 2-5 coarctatum; junius bi-quinque-loculari, septis demum exaristis, uniloculari placentis centralibus in columnam centralem liberam concretis, pluri-ovulatum; styli 2-5, distincti; capsula indehiscentis v. valvulari dehiscentis, polysperma, rarisime abortu monosperma; semine albuminosa, albumine farinaceo centrali, embryos periphericus, subannularis, radiale ad hilum versa.

Herbae annuae v. perennes, rarisime suffruticosae; fol. opposita, integerrima, exstipitata v. rarius stipulatis membranaceis praedita. flores cymosi, pauci albi, raris purpurei. fructus...

Compositus

I. Exstipulata:

A. valvulae numero styliorum

d. Stamina sympogyna

1.) styli 4 - - - - - Lagina

2.) - 5 - - - - - Spergella

β.) Stamina perigyna - - - - - Thonchesnyia

B. valvulae styliorum numero dupl. styli tres,

α.) petala integra

1.) pec. exarillata - Arenaria

2.) - arillo praedita - Utricularia

β.) petala in L. de - - - - - Stellaria

γ.) styli 5

1) capsula 5-valvis valvis bip. - Malva

2 - 10 dentata " " Cerastium

II Stipulata

Styli tres

Lepigonum

Styli quinque

Spergula

1.) Lagina L.

Sepala 4; petala 4, in herba; Stamina 11; styli 4; capsula compressa, unilocularis, profunde 4 valvis, polyperma;

Herb. diffusae. fol. linearia, basi connata, zigantia, <sup>exstipulata</sup> fl. polistaris; pedunculati; albi; petala interd. subnulla.

Lagina procumbens L.

— apetala L.

2.) Spergella Reichb.

Sep 5; pet 5, integra; Stam 10; styli 5; capsula unilocularis, profund. 5 valvis, polyperma.

Herb. diffusae, perenni. fol. linearia, basi connata, exstipulata; fl. polistaris; pedunculati albi.

Spergella nodosa Reichb.

syn. Spergula nodosa L.

3.) Spergula L.

Lep 5, ima basi connata; pet. 5, integra; Stamina 5; styli 5, breves; capsula unilocularis; 5-valvis, polyperma; pavin. reniformia exaristata, saepe alata vaginata. Herb. annuae, fol. basi non connata, pariet. verticillata; rariore stipulata; flores dichotomo-cymosi, albi.

Spergula arvensis L.

4.) Lepigonum Fries.

Lep 5, ima basi cohaerentia; pet 5, integra; filamentis aut pauciora, filamentis basi aequalibus subulatis, ovarium multiloculatum; styli 5; capsula 3-valvis, polyperma; pavin. reniformia, interdum alata.

Herb. 0 v. 2, procumbentes; fol. linearia saepe carinosa; stipulae carnosae adbasifoliorum; flores dichotomo-cymosi; rari v. albi.

Lep. rubrum Fries.  
marinum —

5.) Konkretya Ehrh.

Lep 5, basiconnata; pet. 5, integra; Stam. 10 subperigyna, glanduloso perigynis inserta; styli 3-5; capsula unilocularis, superne 3-5-valvis, oligosperma.

Herb. maritima crassiuscula, dichotomo-cymosa, folia basi connata, ovato-oblonga, carnosae, estipulata; flores axillares, solitarii; pavin. magna.

K. peploides Ehrh.

nonnulla innumera prouid.

6.) Arenaria L. (emendata)

Sep. 5; libera; pet. 5 integra; <sup>cap. glandul.</sup> stam. 10 hypogyna  
styli 3; capsula unilocularis superne 6-valvis  
polypurpurea; semina reniformia exaristata  
Herb. perennes v. annuae, dichotome ramosae  
diffusae; fol. opposita, latiuscula; flores  
cymosi; cyma saepe pauciflora; pedunculi  
albi.

Arenaria peppillifolia.

7.) Moehringia L. (emendata)

Sep. 5 v. 4; pet. 5 v. 4 integra; stam. 10 v. 8  
hypogyna; styli 3 v. 2. capsula unilocularis  
superne 4-6 valvis; sem. reniformia  
nitida, ad hilum anillo appendiculata  
Herb. annuae v. perennes; caules caespitosi  
v. dichotomi v. simplices; fol.  
angusta v. dilatata; fl. cymosi v.  
axillaris sicut. et geminati; pedunculi  
lati, albi.

Moehringia trinervis Clairville  
syn. Arenaria trinervis L.

8.) Stellaria L. (emendata)

Sep. 5; pet. 5, bifida v. bipartita; stam. 10  
v. 5 v. pauciora, discus glanduloso hypogyno  
v. subperigyno inserta; ovarium multi-ovu-  
latum; styli 3, capsula unil. 6-valvis, semina  
reniformia, numerosa, exappendiculata  
Herb. perennis v. raris annua, dichotome  
ramosae v. simplices; folia lata v. lineari-  
lanceolata; cymae dichotomae, saepe deper-  
petatae; fl. semper albi.

- ( *Stellaria nemorum* L.
- *media* Villars
- *sp. alpina media* L.
- *Lolopsea* L.
- *glauca* Withering
- *graminea* L.
- *uliginosa* Murray.
- *crassifolia* Ehrh. } *burdusi* Lab. & *gryogen.*

9.) *Matricaria* Fries.

Sep. 5, libera, pet. 5 bipartite v. emarginata; pappi 10  
coarctati multi annulati; pyli quinque; capsula  
bilocularis, 5-valvis, veluti apice bifidi  
non lacrimis dardur subpate) fru. receptaculo  
caerulata

Herb. v. procerum, habitu *Stellaria*; folia  
ovata v. lineari-lanceolata, fl. albi

*Mal. aquaticum* Fr.  
superfluum quod *Stellaria*

10.) *Cerastium* L.

Sep. 5, libera, pet. 5 bifida v. emarginata v. inte-  
gra; pappi 10 v. abortu pauciora (5); ovarium  
multi-ovul. Pyli 5; capsula apice 10-dentata

Herb. annua v. procerum, plerumque viride-  
dulce, pilosae v. tomentosae, rarius glabrae;  
fol. catinusculi; florum cymose, albi; im-  
perdum abortu subpetali.

*Cerastium vulgatum* L.

— *viduatum* L.

— *peru-decandrum* L. *fruct. v. pappi* *decaenum* <sup>capit.</sup> *decandrum* <sup>decandrum</sup> *Alpina* *decandra* *quarant.* *var. alba*  
*Montanum*

XVIII. *Linaceae*.

Sep. 5 v. 4, libera v. basi connata, persisstantia, aestiva  
fione imbricata; pet. 5 v. 4 hypogyna, aestival.  
linospermum contorta, interdum angulis inter se et cum  
paminibus coherentia, caduca; stam. 5 basi  
in antheram connata, petalis alterna interjecti  
dentibus; rudimentis paminum interioribus,

ovar. lib. 27 sep. 4-5 completis, e corpellorum  
 marginibus inflexis et 4-5 incompletis, 89 glo-  
 cere, loculis uniaulatis, ovulis in placenta  
 centralib. pendulis; styli tot quot compella, lib.  
 raris basi connatis; capsula glabera, sepi-  
 et loculicidi, 100. 8 valvis per exalbuminosa  
 v. albumen saltem tenuissimum, ambryos rectis  
 radícula brevi, ad hilum vasa; cotyled. carnos-  
 olerosae.

Herb. annuae v. peren raris suffruticosae; fol.  
 parva v. raro opposita v. vert. ciliata pinnatis  
 integerrima, sessilia, exstipulata; fl. cymos-  
 cyanei, violacei, flavi v. albi.

Linum L.

sep. 5 integra, libera; pet. 5 caduca; stam. 10 alterna  
 fertilia sepalis anteposita, alterna ananthera;  
 omnia divisa decem glandulosa inferta hypogynae  
 styli 5 raris per 3, liberi v. interdum connatis; capsula  
 10-loculari, 5-cocca, coccis bicorularibus, bipar-  
 tibilitibus, dispermis;

Herb. v. raris fruticosa, perenne dichotomo-cymos-  
 fol. plerumq. linearis, integerrima, exstipulata, fl.  
 caerulei, flavi v. albi

L. catharticum L.

Radiola Gmelin.

sepala 4, 2 v. 3 fida basi connata; pet. 4; stam.  
 omnia fertilia subjectis dentibus; styli 4; capsula  
 8-loculari, tetra-cocca, coccis subbicorularibus  
 bipartibilitibus; dispermis; herba pusilla, annua  
 dichotomo-ranosa, erecta glabra; fol. oppo-  
 sita, sessilia, ovata, acuta; fl. in dichotomis  
 foliatis pedunculatis, erectis, albi, nisi uti-

Pr. Linoides Gmelin.

Syn. R. Mellegrianae Smith.

Syn. Linum radiola L.

# XIX. Malvaceae.

fere unguell. apoth. p. formis  
 Calyx 3-4 v. praesep. 5fidus; aestivatione valvata,  
 saepe involucreatus, involucreo 2-3 polyphyllis,  
 phyllis liberis v. connatis, calyciformibus;  
 pet. 5 aequalia, hypogyna, aestivat. contorta,  
 libera v. saepius basi columellae staminum adnata  
 pau. hypogyna, numerosa, v. raris numero  
 definita, monadelphae; antherae spuriae, unilo-  
 culares, rima transversali dehiscentes. ovarium  
 5 v. multiloculare, loculis uni v. plurioovulatis  
 v. in ovarium simplex connatis, b. circum torae  
 productum verticillatim v. raris spiritaliter  
 dispositi, styli tot quot loculi, liberi v. saepius con-  
 nati; stigma. libera; sem. angulo interno fructus  
 affixa, exalbuminosa; embryo rectus, cotyled. contorto  
 plicati; radícula hilum spectante;

Herb 0 v. 2 v. prostrati v. arbores; fol. sparse, pal-  
 minaria, saepe lobata; stipulata, pube perungue pel-  
 lata absita; fl. axillares, solitarii v. paucimulti; re-  
 raris spicis racemosi, v. umbellati, colore varis.

## Malva L.

Calyx 5-partitus, bracteis 2-3 involucreatus; pet. 5,  
 unguibus basi columellae staminum adnata; pau. 10.  
 styli plurimi in unum connati, fructus capsularis, se-  
 prestus, psalycoceni, corio monospermio, columella  
 centrali prosp. penti affixis, delum. <sup>metaxipale</sup> <sub>sub</sub> <sup>sub</sup> <sub>sub</sub>  
 pro reniformia.

### Malva rotundifolia L.

borealis Wallmann (und. Klein. Berlin; bei uns fast häufig.)  
 syn. Hainigeri Stephan.

## XI. Tiliaceae.

Sep 4-5, aest. valvata, interdum basi cohaerentia;  
 pet. aequalia, tot quot sepala, iisque alterna, hypogyna  
 saepe basi foveolata; pau. hypogyna, indefinita, libera  
 v. sine basi nuda v. saepius polyadelphia; singula petala  
 opposita, ananthera; anth. bitoculares, loculis pe-  
 rallelis, birimofae; ovar. liber. 4-10 loculare, loculis



2-pluri-ovulatis; stylis simplex; pergam. Tot quot loculi,  
 fructus plurilocularis v. abobtus unilocularis, cap-  
 laris loculi eide dehiscens v. indehiscens, siccus  
 v. carnosus; sem. placentis centralib. affixa  
albuminosa, embryo asilis, radícula ad ter-  
 versam; cotyled. foliacei, subplanae,

Arbores v. exoticae frutices et herbae imo an-  
 fol. sparsa, rarius opposita, pering. palmis, u.  
 stipulae deciduae; fl. cymosi; v. spurie racem.  
 v. solitarii, albi et flavicantes.

Tilia. L.

Sep 8, decidua, pet. 5 hypogynae; Stam. 20, libera v.  
 pentadelphae (unib. v. azotiff.) ovar. 5 loculare, lo-  
 culis bi-ovulatis; stylis simplex, cer. cerulus abobtus  
 saepe unilocularis, mono-2 spermis; embryo in  
 albumi. carnosus, radícula ispera leviter curvata,  
 Arbores, folia sparsa, petiolata, cordata, stipulae  
 pedunculati axill. ad terminal, basi adnato im-  
 bracteati; cymosi 3. multi flori.

- 1) Tilia grandifolia Ehrh.  
styl. platyphylla, copuli  
 v. delph. pelyne
- 2) Tilia parvifolia Ehrh.  
Switz. p. n. v. t. t. v. Tilia europaea. L.

881. Hypericaceae

Sep. 4-5 inaequalia v. omnino libera v. basi connati  
 sep. sterilia, aestivat. imbricata; pet. totidem, a-  
 lie, hypogyna, aestivatione contorta; Stam. 20, 30, 50  
 rarius monadelphae v. libera, antherae versati. et; a-  
 lib. 3-5 loculare, loculis mult. - ovulatis, pl.  
 nec centrales, v. marginibus valvularum intro-  
 flexis affixae; styl. 7-9. loculi; liberi, rarius basi  
 connati; fructus capsulari. polyspermi, dehiscens  
 rarius baccatus; sem. exalbuminosa, embryo v. ex  
 radícula h. tum praetante.

Herb. v. frutices imo arbores. folia oppos.  
 in tegerrima, exstipulata, pellucida punctata, p.  
 succo flavo resinoso simpliciter; cymae totidem  
 v. interdum pauci v. auct. florae; sem. flavi.

Hypericum L.

sep. 5, subaequalia, persistentia; pet. 5; stam. 5,  
polyadelphia; styli 3, 4-6, interdum connati, persi-  
stentia, capsula 3-locularis, rarius unilocularis;  
plac. parietal. septice 3-5 valvis, polysperma.

- Hypericum perforatum L.
- quadrangulare L.
- virgatum L. (plum)

XX. Acerinae.

Calyx varie partitus rarius 5-9 partitus, lymphoidei  
dus, acspinatione imbricata; pet. 4 v. 5-9; circa  
discum glandulosum inserta, lobis calycinis  
alterna, rarius nulla; stam. disco hypogyno  
inserta, 8 rarius 5-12; ovar. bivaris, rime trilobae  
bi-loculare v. tri-loculare, loculis bi-ovulatis;  
stylis simplices; stigmat. 2 v. 3. fructus bialatus  
maturitate pependens in corolla duo inde  
hirsutia, uncameratae monospermae  
(ovulus siccus) sem. erectum; albumen,  
embryo curvatus, cotyled. foliaceae, convolutae.

Arbores. s. fruticosa, succo gacharino v. lacteo  
cui patentia; fol. opposita v. simplicia,  
plurimque palmatissima, lobata v. raris compo-  
sita, penninervis; stipulae 0, flavae cymosi, v. panicu-  
latis. fl. polygami, sp.

Acer L.

Arbores polygami fl. 5-8, connata, in calycem 5-partitum  
pet. 5-9 calycis. stam. plurimq. 8 rarius 5-12, in-  
serta disco glanduloso. fructus ditricoccus, bis-  
tri-partibilibus, cocco dorso in alam productis.  
Arbores foliis simplicibus integris v. palmatolo-  
batis; fl. terminalis, cymosi v. paniculati; flava  
v. virides.

- Acer platanoides L.
- campestre ? (in dislocis ypsandra)
- pseudoplatanum Kunth. (in fl. nov.)

XXI. Gramiaceae.

Sep 5 basi subaequalia, persistencia, inaequalia, aesti-  
 vatione imbricata, superioris interdum basi ca-  
 calcar, eorum pedicellis adnatum, productum  
 pet 5, aest. contorta, aequalia et hypogyna  
 v. inaequalia, interdum pauciora et perigyna  
 v. rarissime nulla, stam. basi monadelphica  
 numero petalorum dupla v. tripla, saepe non  
 nulla ananthera; anther. sesatiles, ova. a ca-  
 pellis 5 verticillatim axi elongato penton-  
 no cum stylis adnatis; ovula in quovis  
 carpello 2, funiculis pinnatis. axi adnatis  
 pendula; Stigmat. 5 libera, carpella ma-  
 ad apicem cum stylo soluta, sabinonosperma  
 albumen nullum, embryo curvatus; coti-  
 ledones convoluti plicatae; pla

Plantae plerumq. 4 rarius 6 vel frutescens,  
 radice teretibus; fol. inferiora pumpe opposita,  
 superiora sparsa, palmata, lobata, v. bi-  
 data; stipulae magnae, fl. rarius solitarii,  
 saepe geminati v. umbellati in pedunculis  
 oppositifoliis

Geranium L. emendatione <sup>L'heritier</sup> ~~Boiss.~~

Sep 5 subaequalia, persistencia, pet 5 omnia hy-  
 gyna, aequalia; stam. 10, basi breviter mona-  
 delpha, omnia antheriferas, alterna majora  
 exteris glandulis quinque sessulata; ovaria 5, cum  
 stylis columnae centrali adnata; Stigmat. libera  
 fructus pentacoccus; axis stylisque nonnatis  
 demum coctis solutis. Stylis intus glo-  
 brisa basi circinatum revolutis.

Herb. raris suffruticos; fol. sparsa v. opposi-  
 stipulata, palmata lobata; pedunculis  
 axillaribus, rarissime basi, unius vel

ri; fl. purpurei, coccinei v. albi

- G. Sylvaticum L.
- pratense L.
- sanguineum L.
- palustre L.
- rufellum L.
- Robertianum L.

Erodium, L. h. oritier. (Monogaphis? Geraniaceae)

Lep. 5; subaequalia, pers. pentia; pet. 5, omnia hypogynae; Stam 10, breviter monadelphae;  
 fol. 5 petalis anteposita latiora, anathera,  
 quinque sepulis anteposita angustiora anteposita,  
 extra basi glandula nectaria fulta;  
 ovaria 5 cum stylis columnarcentae ad axilla;  
 pignat. lob. fructu 5 coarct.; stylis et axi rostratis,  
 decimum coarct. fol. trilobis; stylis intus barbatis, denique spiritaliter fortis,

Herb. sepe caules fol. sparsa v. opposita, varie partita, stipulata; pedunculis axillaribus, oppositis, umbellatis, flores plerumq. rostri.

Erodium cicutarium L.

syn. Ger. cicut. L.

Balsamineae. in Monogaphis post Sumb. Roeser.

Lep 5 inaequalia, aest. striata, duo petala impari proxima, plerumq. def. esentia in por multo majus calcaratum, corolla 5-petala, petalis lateralibus, perperita coarctis  
 Stam. 5 hypogyna, ovar. arete cingentis antb. binulares, basi in cumulum conatae, biximofae; ovar. 5 loculare, loculis pluriovulatis, ovulis pendulis, placentae centrales; pignat. 5 sessilia, libera et connata; capsula 5-valvis, elastic

- dispersa, sem. exalbionis, embryo rectus, radícula hilum / per  
 herbae succulentae, nudose articulatae, folia  
 sparsa, rarius opposita simplicia, exstipulata;  
 fl. irregulares, in racemis axillaribus  
 velus, interdum paucifloris.

Impatiens L.

Sep. plerumq. 3, binis deficientibus, im-  
 per cucullatum, calcaratum, pet. 5  
 impar liberum; lateraliter perparia con-  
 necta, inaequalia, stam. 5, stigma 5 in unum  
 connata, capsula elongata 5-valvis, elasti-  
 cius dispersis, valvis a basi ad apicem intro  
 revolutis, 1

Herb. caules succulentis ad genicula  
 teretibus; fol. exstipulata pedunculata  
 laciniosi v. multiflori; fl. flavi v. albi.

Impatiens Nolitangere L.

Oxalideae.

Sep. 5, libera v. basi connata, persp. aestivatione im-  
 bricata; pet. 5 aequal. hypog., interdum basi cohaerentia,  
 aestivat. contorta; stam. 10, basi <sup>ae</sup> prope breviter  
 monadelphae, interiora petalis opposita, longiora  
 extus saepe dente appendiculata; antherae saepe  
 2-loc., binucae; ovar. simplex, liberum, e carpello  
 5-connato, 5-loculare, loculis pluri ovulatis, placentis  
 centralibus; styli 5; stigma penicillata, capitata, 8-fidus  
 capsula 5-locul. 5-10 valvis, rarius haec; semina ari-  
 cernosa ad apicem elasticè dehiscente inclusa, albam  
 rosa; embryo rectus, immersus, radice elongata  
 ce a hilo renoto.

Herbae 4, rarius 0 v. fruticas; fol. sparsa, rarius oppo-  
 sita v. verticillata, saepe omnia radicalia, composita, ternata  
 4-nata v. pinatim composita, interdum pubescentia, rarius fo-  
 lio simplicia, stipulae 0; floret solit. umbellati v. spumice  
 cernosi, colore variis.

Interdum Geraniaceae nosse videntur.

Inidam videntur omnes de hacten  
 Sammiselle Junceae hacten  
 L. Scherzer II 294.

Oxalis. d.

Sep 5, subaequal. persist.; pet. 5, supra unguem cohaerentia, Stam. 10, basi saepe monadelphae, interiora petalis anteposita, longiora; ovar. 5. loculara, loculis I, II polypermis; styli I; capsula pentagona, v. locular. loculicide dehiscens, valvis persis pent. 6. semina arillata.

Herbae caules v. caulescentes, rarius suffrut. cer. fol. composita v. phyllodia; scapi v. pedunculi axillares vni - multi flori; flores albi, flavi v. purpureo-rosescentes.

, Oxalis acetosella.

II. Calyciflorae.

Cal. gamop., pet. et stam. v. perigyna, necpedisio basi calicis adnato inserta, v. epigyna; calyx utriusq. ovario adnatus, pet. et stam. v. corallium gamopetalum gerens v.

Genus nigrif. s. f. abn. di.  
Celastrineae  
Evonymus europaeus L.  
verrucosus Scop.  
Lini v. Arctii hinc vni vniq. f. v. hinc hinc vniq. vniq.

Rhamnaceae.

Sep IV-V, basi connata, aest. valvata, circumscissae decidua tubo persistente, ovario ± adhaerente; pet. ppali; alternae saepe reniformis; Stam. tot quot pet.; inque opposita; ovar. disco glanduloso circum, II-III-locul. loculis 1-ovulatis, ovulis erectis; styli simplex v. bipartiti; fr. g. II-IV. Drupa I-plurilocul. 1-11 pyraena v. capsula; sem. arillata, albumen pericarpium; embryo rectus radice tubum spectante.

Frutices v. arbor. ramis interd. deciduis; fol. simpl. in divisa, sparsa, rarius opposita stipulata; flores fasciculati, cymosi, rarius solitarii.

Rhamnus. d.

Sep IV, V, connata, in calycem 4-5 fiduciu turbinatum, tubo reflexo, deciduo, tubo persistente, pet. 4-5 margine disco hypogyni inserta, rarius 0; Stam 4-5 pet. anteposita; styli simplex v. II-III fiduciu; drupa subglobosa, 2-4 pyraena, pyraenis cartilagineis, longitudinaliter dehiscenti bus; semen filcatum.

Arbores v. frutices; fol. simplicia, integra, stipulata; flores hermaphroditici v. abortu polygami vel dioici fascicul. v. solitarii.

Rhamnus catharticus L. frangula fruticosa.

Papilionaceae.

Membr. 1). Terebinthaceae & Amygdaleae.

Calyx gamosep. 5fid v. 5partit, bicubitus? labia supra 2. infera 3-fida; pet 5 basi calycis inserta, inaequal. vexillone, vexillum ad axin versum v. posticum, laterales, antica et interna saepe varie connata in carinam; Stam. 10, carina inclusis, raro liberis, monadelphis, plerumq. diadelphis, unum nempe vexillum (epipetale), liberum, saepe stipitatum, simpliciter, compressum, pluri-ovulatum, ovula angulo interiore v. postico, nempe suturae ventrali inserta; Agglut. simplex; legamen mono- v. plerispermum, continuum v. articulatum, dehiscentis v. indehiscentis, exalbuminum; embryo curvatus, pleurochizus.

Herb. v. frutic. ced. arbores, habitus valde varii, fol. composita v. phyllodia, sparsa, stipulata; flores capitati, racemosi, umbellati, nunquam terminales solitarii.

Conspectus generum apud nos indigenarum:

I. Cotyl. epigeae, planisculae

A. Stam. monadelphia. 1) Calyx fructiferus, emittens

a. Calyx distincte bilabiatus --- Gonistia

b. Calyx subregularis --- Ononis

2) Calyx fructiferus, inflatus --- Anthyllus

B. Stamina diadelphia

1) Legamen continuum

a) Uniloculare

a) Legum. falcatum v. cochleatum --- Medicago

2) Legum. abbreviatum, oligospermum

aa) Flores laxo racemosi --- Melilotus

bb) Flores capitati v. spicati --- Trifolium

3) Legumen elongatum

1) a) asterum

2) b) tetrapterum " " --- Lotus

" " " " --- Tetragones

b) Leg. longitudinaliter biloculare --- Astragalus

d) Leg. articulatum --- Ornithopus

II Cotyledones hypogaeae, crassae, demum immutatae

1) Stylus filiformis, saepe barbatus --- Vicia

2) Stylus superne dilatato complanatus

a. Petiolus cirrho terminatus --- Lathyrus

b. Petiolus mucrone herbaceo terminatus --- Orbancula

Genipa L. (emendata) Barbaryna

Calyx campanulatus, bilobatus, lobis periclypeo bipartito inferiori longiore trifido; vexillum plerumque; caecina obtusa; spam. monadelphae; stylus subulatus; ascendens; stigma terminale obliquum, in truncum declivem; legumen compressum v. subtergendum pleioperna, frutices inerme v. spinosum; folia simplicia (phyllodia) v. ternata; flores v. axillares solitarii, gemini v. plures v. terminales, spicati, lutei.

Genipa pilosa L. } altum.  
linctoria L. }

Ononis L.

Calyx campanulatus, bifidus, subaequalis, fructifer, apertus; laciniis angustis; vexillum duplo carinatum, spicatum, carina acuminata rostrata; spam. monadelphae; stylus infructo ascendens; stigma terminale capstatum; legumen longidum, oblongo-perannum.

Herbae v. suffrutices; fol. ternata, rarius unifoliolata; stipulae plerumq. petiolares; flores lutei v. purpurei, intensius spicati, axillares et terminales, spicati.

Ononis hircina Jacquin. sp. d. altissima. dam

Anthyllis L.

Calyx 5 dentatus, demum ventricosus, fructifer marcescens, clausus, carina obtusa v. breviter acuminata; spam. monadelphae; stylus sesquialter v. infructo ascendens; stigma terminal. capstatum; legumen calyci inclusum 1-2 v. alio perannum

Herbae v. frutices, plerumq. inerme; fol. impari pinnate, foliolo terminali



o unifoliolata; stipulae petiolares,  
flores capitati, glaucescentes, dem-  
arantiaci rarius purpurascens.

*Anthyllis vulneraria* L.  
( ——— *maritima* (Lamium delictum  
v. J. Di. Fl. rar. Belg.)

Medicago L.

Calyx campanulatus, 5-fidus v. 5-dentatus  
carina obtusa; Stam. Diadelphae  
v. connatae unicum laterum (g.)  
filamentis pappi formis  
rimum sursum  
Stigma terminale, Legumen unilocum  
falcatum v. spirale v. cochleatum; pappi  
polysperum.

Herbae annuae et peren. v. fruticosa  
inermes; fol. ternata; stipulae pe-  
tiolares; peduncul. 1-2 flori v. caespit.  
capitato multiflori; flor. flavi rari-  
vistaci.

*M. lupulina* L.  
- sativa in p. p. L. p. p. L.

Melilotus L.

Calyx campanulatus 5-dentatus, denti-  
bus elongatis, subaequalibus, corollae deciduae  
carina obtusa; Stam. Diadelphae (g.)  
fol. filiformia; ovar. stipitata  
rectum; stylus glaber; stigma terminale  
cetus declivem; legumen calycem super  
subglobosum v. oblongum mono ad  
trapezium, induriscens.

Herbae plerumque biennes, caetae v. dy-  
fusae, glabrae; fol. ternata; stipulae pe-  
tiolares; nacem elongati laci; flores  
flavi v. albi.

*Melilotus officinalis*. Willdenow.

Trifolium L.

Calyx campanulato tubulosus, 5fidus v.  
5-dentatus; corolla marcescens, persistens,  
saepe gamo-petala; anthera obtusa; Stam  
diadelphia (9. 1.) cum petalis plus minus  
connata; fil. superiorum perum dilatata;  
Stylus glaber; stigma terminale; Legumen  
coctum, 1 v. 2 spermium, rarius oblongum  
3-4 spermium, calyce v. corollae marcescente  
inclusum, membranaceum, indehiscent,  
irregulariter ruptile.

Herbae saepe caespitosae, procumbentes in  
curves; fol. ternata rarissime quinata; sti-  
pulae petiolares; fl. spicati; dense spicati;  
caespitati v. pubescenti; colore vario.

*Trifolium pratense* L.

- \_\_\_\_\_ *medium* L. longum. Humiliter herbosum
- \_\_\_\_\_ *alpestre* L.
- \_\_\_\_\_ *arvense* L. in valle... latum... humile
- \_\_\_\_\_ *montanum* L. v. frons... in valle...
- \_\_\_\_\_ *repens* L. v. frons... in valle...
- \_\_\_\_\_ *hybridum* L. v. frons... in valle...
- ( *gelbe od. braune... in valle... repens... v. frons...*)
- \_\_\_\_\_ *pratense* L.
- \_\_\_\_\_ *radicum* L.
- \_\_\_\_\_ *agrarium* L.
- \_\_\_\_\_ *procumbens* L.

Lotus L.

Calyx 5-fidus v. 5-dentatus; alae praeter impressi-  
onem lobis papilosis haud impressae, margine  
superiore conniventes, carina rostrata ad-  
pendens; Stam. diadelph. (9.1.) fil. alternas  
longiora, apice dilatata; Stylus glaber,  
superius attenuatus, stigma obtusum, le-  
gumen lineare, teres v. compressum,  
rectum v. arcuatum, apterum, uni-  
loculare v. transverso septulis dispersis  
polyperumum, in valvis duobus tortiles  
dehiscent.

Herb. perenn. diffusa; fol. ternata, stipu-  
lae caulinae, foliacea; flor. in peduncu-  
lis axillaribus 1-2 multi flores, umbellati  
plerumq. flavi.

1 L. corniculatus.

Tetragonolobus Scop.

Calyx 5-fidus v. 5-dentatus, alae margine super-  
iore conniventes, carina rostrata adpendens  
Stam. diadelph. (9.1.); fil. apice dilatata  
Stylus glaber, superius incrassatus; stigma  
attenuato, canaliculato, v. subobtusato,  
cavo; legumen lineare, rectum, alis  
4 foliaceis marginatum, uniloculare, bi-  
valve polyperumum.

Herb. caulis erectae, perenn. ramosis  
fol. trifoliolata; stipulae caulinae fo-  
liaceae, pedunculis axillaribus 1-2 flori

bractea apice spicati; fl. purpurei v. flavi.

J. filiquosus. Roth. pultan.  
Syn. Lotus. filiq. Lin.

Astragalus L. DC.

Calyx 5-dentatus, dentibus 2 superioribus, plerumq.  
previoribus, saepe denum auctus; carina  
obtusamuticam, Stam. diadelphae (9.1)

Fil. filiformia; stylus ascendens, stigma  
terminale simplex; legumen biloculare  
v. semi-bilobum; sutura dorsali introflexa, disse-  
pimentum completum v. incomplet. for-  
mante.

Herbae v. suffruticosae, interdum acaules, erectae  
v. caespitose prostratae; fol. pinnata,  
petiolo saepe persistente, pungente; stipulae  
petiolares v. caulinae, interdum connatae,  
et tunc oppositifoliae; fl. racemosi v. spi-  
cati, rarius solitarii v. gemini, colore variis.

- A. hypogloosis L.
- glycyphyllus L.
- cicer L.?

Ornithopus L.

Calyx elongatus, tubulosus; 5-dentatus, dentibus  
superioribus basi connatis; carina rotunda  
to-obtusam, Stam. diadelphae (9.1), fil. alter-  
na, superne dilatata; legumen elongatum  
rectiusculum v. arcuatum, compressum  
ad genicula utrinque contractum, articulis  
monospermi.

Herbae annuae; fol. impari pinnata; sti-  
pulae parvae, petiolares, pedunculatae axil-  
lares, uni v. umbellato pauci flori.

fl. albi di, purpurei striati.

*O. perspicillius* L. <sup>platan.</sup>

*Onobrychis fativa* Kunz <sup>ind. v. ind. nov.</sup>

Vicia L.

Calyx 5-fidus aut 5. dentat, carinae obliqua, stam.  
diadelphica (9. 1) fil. subulata; pappus filiformis,  
superne undique pilosus v. latere  
inferiore barbatus, simulq. glaber v. pilosus.  
Stigma terminale simplex, Legumen bivalve  
uni-loculare, 2-polyperumum; sem. subglo-  
bosum, stylum ovale v. lineare, antema-  
teris latem articulo conformi tectum; coty-  
ledones hypogaeae,

Herbae plerumq. scandentes, fol. abrupte  
pinnata, multijuga, apice cirrosera, ve-  
risissime mucronate terminata, stipulae  
caulinariae plerumq. semi-pinnatae; pedunculi  
axillares, racemosi v. uni-biflori; florum colo-  
re vario.

*Vicia hirsuta* Koch

syn *Ervum hirsutum*

*Vicia pycnantha* L.

— *cracca* L.

— *tennifolia* Roth.

— *pepicum* L.

— *angustifolia* Roth.

syn *Vicia fativa* L.

Lathyrus L.

Calyx 2-fidus v. 5-dentatus, carina obliqua, stam.  
diadelphica (9. 1) fil. subulata; pappus linearis v.  
superne decubatus, latere superiore planus

sub pignate recto v. recurvo *deorsum* pile  
pno. pignat terminale simplex, legumen bival  
ve uniloculare, dipolyperrum; sem  
subglobosa, hylum ovale v. lineari, ante  
maturitatem arillo coniformi lectam;  
cotyled. hypogaeae.

Herbae perenn. scandentes; fol. abrupte pin  
nata, cinnosa; stipulae caulinae, semi-sa  
gittatae, pedunculi axillares, uni-bi-multi  
flores; fl. flavi, rosi, caerulei, purpurei.

- 1 Lathyrus pratensis L. yella Blinn.
- 2 ——— Sylvestris L. rotu Blinn.
- 3 ——— heterophyllus L.
- 4 ——— palustris L. } blinn Blinn.

Orobanch L.

Calyx 5fid. v. 5-dentat; carina obtusa; pava.  
Oradelpa (q. i) stylus linearis, fol. pubulata v.  
Oratata, latere superiore planis; pignate  
minale simplex, legumen bivalve uniloculare  
polyperum sem. et hylum ut in Lathyr.

Herbae erectae, non scandentes; fol. abrupte  
pinnata, mucrona herbaceo terminata,  
cinnosa; stipulae semi-sagittatae, pe  
dunculi axillares pluriflori, flores vari.

Orobanch L.

Amygdaleae.

Epistita fangus zi. 3. Rosacum; pin dentatissimum pignat.  
Dum Popu. dum sin. mofpanduz. Helft. 2. dum sin.  
Linn.

Calyx tubuloso-uncolatus, limbo 5-part  
ito, aepinatione imbricatus, regularis,  
deciduus; pete quisque, faucicalycis inserta,

aequalia, aestivatione imbricata, Stamina  
 15-30 quaepl 20, ibi dem rupta, aestivatione  
 incurvata, libera, antherae biculares  
 in trophae; ovarium simplex, liberum, fessi-  
 le uniloculare, bivoulatum; oculo pendulo;  
 Stylus simplex terminalis; stigma subpeltat-  
 um integrum, fractum dupax, submo-  
 rosporum; embryo rectus, exalbuminosus,  
 endopleura tumida inclusus, radicle ad  
 hylium versa.

Arboresc. fruticosa. fol. parva, simplicia  
 integra, penninervia, basi saepe glandulosa;  
 stipulae liberae, caducae; fol. solitarii v. pe-  
 pini fasciculato-umbellati v. racemosi.

Prunus L. (emendata)

Calycis limbus 5-partit, petala 5, stamina 15-30  
 calycis faucibus inserta; ovar. liberam, drupa ju-  
 cta indehiscent, mutamen leve v. fulcramen  
 foraminibus destitutum.

Fruticosa v. arb. fol. parva, simplicia, basi  
 saepe glandulosa, stipulae liberae caducae  
 flores pedunculati, solitarii, fasciculati  
 v. fasciculato-umbellati, racemosi, pa-  
 ramq. albi.

P. Padus L.  
Rosaceae

Calyx limbo quinque variis quadripartito  
 aestivatione valvata, saepe 5 stipellatis  
 petala 5, rar. 4, perigyna, aequalia, aestiv. imbri-  
 cata; stam. numerosa, rarius numero definita  
 4, 5 v. 10, fil. persistencia, aestiv. incurvata

idem fuit v. s. Daniel  
 v. s. Carex v. s. m.  
 in Gattinungum q. s. Prunum.

anth. bilobul. ovaria plurima, rarius numero definita,  
 libera, distincta, 1-lobul. 1-ov. pluri ovulata, stylus late-  
 ralis v. rarius subterminalis; signi. simplicia et  
 capitata, nuculae v. drupellae 2, monopermiae  
 rarius folliculi monopermi; sem. exalbuminosa  
 embryo rectus, radícula hilum spectante.  
 Herbae v. frutices, fol. sparsa, simplicia v. te-  
 natim - palmatis - et pinnatis - composita  
 stipulae petiolares, inflorescentia definita, flo-  
 res albi v. aurei, rarius purpurei

Conspicuas

Fructus polypermi " " " Spiraea  
 monopermi: "

Calyx stipellatus

Styli laterales:

receptaculum expansum totum Potentilla.  
 prozopum carnosum Comarum.  
 carnosum - prozopum Fragaria.

Styli terminales

Calyx exstipellatus " " Geum.

1) planus

fructibus drupaceis " " Rubus

2) tubo ventricoso v. turbinato

d.) calyx deumum carnosum, ovaria " Rosa

f.) deumum induratum ovaria dua " Agrimonia

Spiraea L.

Calyx 5 fid. abacteolatus, persistens, pet 5, stam  
 calycis fami inserta, carpella 5, rarius pauciora v. plu-  
 ra, follicularia, 2-4 v. polyperma, libera v. basi  
 connata.

Herbae v. frutices, fol simplicia, raris composita  
 v. dissecta; stipulae saepe minutae fugaces, fl.  
 axillares et terminales, cymosi v. corymbosi, albi  
 raris rosei, hermaphroditi raris polygami v. dioi?

Spiraea ulmaria L.

v. v. demudata mit v. mit dem blauen mit dem

Spiraea filipendula L.



Hyadaceae.

Geum L.

Calyx 5-fidus, 5-bracteolatus, pet. 5, saepe 8, calyci inserta  
carpella 8 gynophoro suo cylindrico inserta, monosperma  
in desiccantia, picea, stylo terminali virgato v. glabro  
gyrato-genuculato, indurato-terminata.

Herbae 0; fol. prope radicalia impari-pinnata, petala  
lobis terminali majori, caulina ternata, petala, pinnata  
saepe petiolar, fl. cymosi interd. terminal. solitarii;  
flav. coccinei v. albi

- Geum rivale L.
- urbanum L.
- intermedium ??

Rubus L.

Calyx 5-fid. planinervius, exsp. pellatus, corolla 5-petala  
saepe 8, calyci inserta; ovar. plurima, gynophoro ex pui  
co haemisphaerico v. conico inserta, stylis puberulis  
simplicib., carpella drupacea, in baccam punicam de-  
iudnam confluentia, f

Fruct. c. plurim. aculeati et sarmentosi raris herbae; fol.  
simplicia, ternata, digitata v. impari-pinnata, pinnis  
saepe petiolaribus, fl. cymosi v. solitarii, albi v. purpurei.

- Rubus idaeus L. Grimbaum.
- fruticosus L. } Lumbum, gurgulium, Lumbum
- syn. Coryli folius } Lumbum, gurgulium, Lumbum
- caesius L. mit. blinib. Lumbum, Lumbum
- lasaticus L. Lumbum.
- arcticus L. } Lumbum (fr. Lullin)
- chamaemorus L. } Lumbum.

Fragaria L.

Calyx planinervius 5-petali, 5-sp. pellatus, pet. 5 saepe 8  
calyci inserta, ovar. plurima, gynophoro demum aucto  
pucoso, hemisphaerico v. conico inserta, stylis lateralibus  
simplicib.; nuculae piceae, liberae, gynophoro impressae  
terb. 0 caespitose, Poloniferae, caules scapi formae,  
fol. ternata, nervis unipinnata, stipulae petiolaribus  
fl. cymosi, albi; gynophorum rubrum.

- Fragaria vesca L. Lumbum
- collina L. Lumbum

Comarum L.

Calyx planiusculus, limbo 5-partito, 5-stipellatus, aestivus, valvatus; pet 5, calyx minor v. subaequal; stamina 10, calyci inserta ovar. 1 in gynophoro hemisphaerico spongioso carnoso styli laterales, nuculae siccae, glabrae v. planctae comatae.

Herbae v. frutices; fol. impari-pinnata; stipulae petiolares vaginantes; flores depauperato-cymosi; calyx coloratus; pet. alba v. sanguinea

Comarum palustre L.

syn. Potentilla — Scopuli.

Potentilla L.

Calyx planiusculus, limbo 5-variis 4-partito, 5-4 stipellatus; petala 5, 4; stam. 10 calyci inserta; ovaria 1 in gynophoro minuto, convexo, sicco, piloso; styli laterales, nuculae siccae glabrae v. pilosae.

Herbae v. frutices; fol. parva, composita, ternata, digitata v. impari-pinnata; stipulae petiolares; pedunculi cymosi; flores flavi, albi v. purpurei

Potentilla fruticosa, caespitosa, argentea, reptans Tormentilla (Ehrh.), norvegica, . . . . .

Agrimonia L.

Calyx turbinatus limbo 5-fido, 5-stipellato, demum connivente, sub limbum primis numerosis hactenus demum induratis, pet. 5 stam. 11 ante anastomum faucium calycis coarctantem inserta; ovar. 2 styli terminales, nuculae politoriae vel duo calyci indurato inclusae.

Herbae perennes, foliis impari-interrupte pinnatis, stipulae petiolares; flores caerulei; pedicellis medio 2-bracteatis glabris.

Agrimonia Eupatoria, L.

pilosa. Ledebour. pin. fign. vob. hui Eupatoria. Plurimum fructu.

Rosa L.

Calyx tubo unicolato, limbo 5 partito, exst. pellato  
 pet v. cum pau. 200. pluribus ante diocum  
 glandulofum fauci calycis compressae in porta  
 ovar. plurima, calycis tubo inclusa; styli publa-  
 terales, nuculae plurimae oscae, calycis tubo  
 denum carnosae apice contracto inclusae  
 Fructus plerumq. aculeati. fol impari-pinnata  
 stipulae petiolares; flores terminalis, fol. terii v.  
 cymosi; rosei, albi v. flavi.

- Rosa cinnamomea in fine sigm. King. America
- canina L. in sigm. America
- tomentosa L. in sigm. America
- pratincola Hartman. in sigm.
- sp. villosa

Panicum

Fructus hemisphaerici v. declivi, calyx fauce com-  
 pressus; limbo 4-5 partito, raro sine stipellatis;  
 (in h. Alehemia) aequi. imbr. pet 0; pau uni-  
 cum usque ad 30, fauci calycis inserta, antherae v.  
 staminales longit. diheliter dehiscentes v. rari-  
 us transversae dehiscentes; ovar. foli-  
 torum v. duo - quatuor, uniovulata, lobata  
 styli terminalis v. basilaris. trigon. plumosa  
 v. capitulata; nuculae foliolariae usque ad 4;  
 calyce persistente plerumq. indurato inclusa  
 sem. pendula v. ascendente, albumen o  
 embryo rectus

Herbae plerumq. o interdum suffruticosa, raro perennante,  
 fol. spissa simplicia et tunc lobata  
 pinnatis palmatisve composita; stipulae petio-  
 lares; fl. parvi, glomerati, glomerato capi-  
 tati.

Achillea L.

Calyx sub campanulato. limbo 4-5 partito, 4 stipellatis;  
 pet 0; pau. unum v. quatuor annulo fauci in-

seta, stipellis anteposita; ovar. simplex v. duo.  
Phyllo basilari; stigma capitatum, nucula calyce  
inclusa;

Herbae 0 var. 4. fol. digitato 5-noveus rarius  
palmati partiti; sp. petiolares. fl. cymosi, par  
ciculati, ebracteati, virides, fundo flavescentes.

*Alchemilla vulgaris* L.

var. — montana Willd. *Elmum* in quodam *Pinifera*  
— truncata.

Languisorba L.

Calyx tubo subquadrangularis, limbo 4-partit, ex  
stipellatus, basi 3-bracteatus; pet 0. spem. 4. limbi  
laciniis anteposita; filamenta superne latera, ovar.  
foliolarum rarius duo; phyllo terminalis, stigma  
pedicelli formae; nucula foliolaria, rarius binae  
calycis tubo indurato inclusa;

Herba 4. glabrae; fol. impari-pinnate, foliola  
petiolata; stipulae petiolares; fl. glomerato-ca  
pitati utroque purpurei, rari v. albi.

*Languisorba offic.* L. *gimulif* var. *mont.*

Pomaceae.

Calycis tubus cum connatus, limbus 5-partit,  
marcescens, persipens, laciniis imbricatis;  
pet x; fauci calycis inserta, aest. imbricata, pami  
na viriter 20, epigyna, aest. incurva, ovar.  
simplex, carpellis duobus ad quinque rariis  
me foliolaris, inter se et cum tubo calycis  
connatis, compactis, carpellis 2-rarius pluri  
ovulatis; phyllo foliolaris usque ad 5, liberi  
v. inferne connati; stigmae simplici, fructu  
carnosus, pomum v. pucca, 1-5-locularis, rari  
sine puris in loculis (Amelanchier)  
gemina v. plura, ascendente, albumen 0  
embryo rectus.

Arbor. v. fruticosa fol. parva, simplicia

v. pinnatim composita, stipulae liberae ses-  
duae; fl. terminales, cymosi v. corymbosi,  
rarius racemosi, albi v. rosei.

Crataegus L. (emendata)

Calyx tubo uncinato ovario adnatus; pet  
patentia; spam eo cum pedalis fauci caly-  
cis inserta, epigyna; ovar. adnatum 2-5  
loculare, locul. 2-ovulatis; styli glabri  
postum di. mo contracto terminatum  
monov. v. pentapyrænum, pyrænis di-  
v. abortu monospermis.

Fructus spinosi; fol. pinnatis, integra v. in-  
ciso-lobata; fl. cymosi, terminalis, albi  
bractee ~~pubescentes~~ deciduae.

Crataegus monogyna numeris  
Asiatica.

Cotoneaster. *Indico-Lindley.*

Calyx tubu; ovar. adnat, 5-dentatus; — pet. brevia  
erecta; spam sub 20, brevia; styli glabri; carpella  
2-3, bivulata, inter se cohaerentia, intra  
calycem demum incrassatum polyfoveata,  
epice nude monosperma,

Fructus inermes, foliis integerrimis, puber-  
tomentosi; fl. axillari, solitarii v. cymosi  
albi v. purpurea scentes.

Cotoneaster vulgaris Lindley *fulgens*.  
syn. *neopictus* Cotoneaster L.

Pyrus L.

Calyx tubo uncinato, ovario adnatus,  
limbo 5-fido, pet. 5 rotundata, patentia;

flam. sub 20. cum petalis fauci calycis inserta  
epigyna; pomum clausum, 2-3 loculare, lim-  
bis orispermis; endocarpis cartilagi-  
neo

Arb. v. arbutum; fol. simpl. integra  
fl. cymosi, in apice ramulorum subsessil  
lati v. subsessilibus; albi v. purpurei.

<sup>arbuta.</sup>  
Pyrus ~~Arbuta~~ <sup>massifera</sup> ramulorum  
Pyrus ~~Arbuta~~ <sup>massifera</sup> ramulorum

Sorbus L.

Calyx tubo unicolato ovario adnatus, limbo v. fido  
persistente, petala rotundata, patentia, cum  
pannibus circiter 20 annulis glandulosis  
in fauci inserta, epigyna; pomum baccatum  
1-2 loculare, clausum, loculis monospermis,  
endocarpis tenuissimis membraceis

Arb. v. arbutum; fol. integra lobata  
peratissima v. composita, impari-pinnata  
fl. cymosi, albi, rarius rosei.

Sorbus aucuparia L.  
Scandicea Fries, peltata.

Onagraceae.

Monomitt mit Hypociden Calitropis v. v. distaceae.  
Calycis tubus v. totus ovario adnatus v. ultra  
ovarium elongatus, limbus bi ad quinque  
saepissime vero 4-fidus, laciniis aest. valva-  
tis; pet. tot quot calycis laciniis, is alternas,  
aest. contorta v. imbricata, ad faucem  
tubi inserta, rariissime v. flam. pete-  
torum numero aequal v. dupla v. rarius  
di midio pauciora, cum <sup>papulis</sup> ~~is~~ inserta; ovar.  
adnat, 2- pluri loculare, placentis centrali-  
bus pluri ovulatis; styli simplex; stigma

62.  
 capitulum. aut bi-4 p. tam, fructus baccatus v.  
 - perisperm capfulatus dehiscens v. nucamentaceus  
 sem. plerumq. 2, rarius abortu in lousis politaris, recte  
 v. appendantia, nunquam pendula, exalbuminosa  
 embryo rectus, radícula ad hucum verpa.

Herb. v. suffruticos; fol. inferiora  
 saepe opposita, superiora plerumq. sparsa  
 interdum verticillata, simplicia, exstipulata,  
 fl. axillares, politaris, v. racemosi termi-  
 nales.

Epilobium. L.

Calycis tubus bicaris, ovario adnatus,  
 limbo quadripartito ad ovarii apicem  
 circumfise deciduo, pet. 4, stam. 8, anther.  
 incumbentes; stylus filiformis; stigma cla-  
 vatum v. 4- f. odum patens, capsula bicaris  
 tetragona, 4 locularis, 2 velvis polysperma; sem.  
 apice comosa

Herb. v. rarius biennis; fol. sparsa v. opposita  
 integra, exstipulata; fl. axillares politaris v.  
 terminalis racemosi, obtractati, purpu-  
 rescentes v. albi.

Epilobium angustifolium L.

hirsutum L.

parviflorum Schreb.

sp. - pubescens Roth

montanum L.

polystr. L.

obscurum Schreb.

var - tetragonum L.

roseum Schreb.

Circoclea L.

Calycis tubus oblongus, ovario adnato, tubus  
 2-partito, deciduus; pet. 2 obcordata; stam. 2 pet.  
 alterna; fructus nucamentaceus, glochidibus;

bilocularis, locul. 1-spermis, sem. erectis.

Herbae 2, femerac, erectae, basi repente, fol opposite  
petiolate; fl. racemosi, albidis v. rubentes.

*Circaea lutetiana* L. semper in *Comitatu*  
alpina 2. v. *montana*, pelus

Haloragaceae.

Calycis tubus ovario adnatus; limbus 4-partit,  
pet. 4-9. calycis laciniac; Stam. petal. numero  
dupla v. aequalia. ovar. 1-pluri-loculari,  
loculis 1-ovulatis, <sup>ovulatis</sup> pendulis, in placentis cen-  
tralibus, stylus 0, stigma 1-9. ovarii loculi  
fertilis, papulosa, penicilli formis, fructus  
nucamentaceus v. drupaceus; sem. albumi-  
nosa, embryo rectus; cotyledis, rad. unica ad  
sculum versa;

Fruticuli v. herbae aquaticae, 2, fol. oppo-  
sita v. verticillata, estriplata; floris  
paucissime dichines, axillares v. racemoso-  
spicati

<sup>Ulyris</sup>  
*Siggeyo Nyblum* L.

Flores monoxi, masculini calycis tubus qua-  
drupartit, pet 4 caduca, Stam 8; fl. feminis,  
calycis tubus ovario adnatus, 4 goni, limbus  
4-partit, minor quam in flore masculo, pet.  
minimal, in apice angulorum ovario in-  
serta, reflexa; stigma 4, papulosa subpericel-  
liformis; ovar 4-locul; loculis univovu-  
latis; fructus 4-locus, exsuccis, deum-  
scedens in nuculas 4; sem. pendula,  
albumine sub nullo.

Herbae aquaticae, natantes, intusae, in  
flor. centia emersa, fol. verticillata, pecti-  
nato, pinneti-peta; fl. axillares, solitarii  
popiles, basi bracteolati, verticillati  
v. verticillato-spicati, superiores masculi,



64.  
inferiores femines

Myriophyllum verticillatum L. <sup>dispositum</sup> ~~dispositum~~ <sup>fructu</sup> ~~fructu~~  
spicatum d. v. in Hoffm.

### Hippurideae.

Calyx limbus integer, minimus; obsole-  
te 2-lobus; tubo ovario adnato, corollae  
nulla; stamen solitarium, calycis margini  
ad basin lobis anterioris insertum; filamentum  
breve, anthera biformi; ovar. 1. locul.  
1-ovulata, ovulo pendulo; stylus filiformis  
antherae pedic. receptus; drupa carne tenui  
putamine crasso cartilagineo, calycis  
margine coronata; semen albumi; <sup>in</sup> ~~in~~  
embryo rectus.

Hippuris.

Herbae aquaticae, plerumq. simplicis <sup>fructu</sup> ~~fructu~~  
foliis verticillatis integris, floribus in  
axillis ~~foliorum~~ <sup>foliorum</sup>, solitariis, ideoque  
verticillatis.

1. Hippuris vulgaris L.

### Callitrichineae.

Flores hermaphroditi v. unisexuales, v. didy-  
mae, bracteae, 2, oppositae, petala 2ae, linea  
lineae ad basin floris, calyx nullus, p. in formis  
minimus didymus, corolla 0, stam. solitarium  
anthera reniformi uni-loculari, ~~stamina~~ <sup>stamina</sup>  
versus dehiscentia; ovar. simplex, quadra-  
gulari, angulis binis, majus approximatiss.  
quadri-locul. loculis 1-ovulatis. stylus duo  
pubescenti, squam. indivisis; drupa ex parte  
deusq. in carpella 4 non dehiscentia peccat.  
embryo in versis in axi albuminis <sup>in</sup> ~~in~~  
Herbae aquaticae, natantes, foliis oppositis  
pubescentibus, elongatis, emersis rosulatis.

Callitriche. L.

in cui sub ...

C. verna, autumnalis.

Ceratophylleae.

Flores monoici, amentacei, nudi, in axillis foliorum sessiles; mas: amentum floris singulis monandri, superiores bracteati, antherae pubescentes bisloculares, quadrilocellatae, extrorsae apice poro dehiscens, pollen membrana cuniculatum, flos fem: flos foliatus bracteatus bracteis, sterilibus, pluribus; ovar. 1. locul. 1. ovul; ovulo pendulo, homotropo (atropo) (Schimper, Scheyden) integumento simplici, filis filiformis, stigma simplex. Drupa putamina lignosa, bracteis persistentibus aucto; Semen pendulum, integumento membranaceo simplici, albumen et cellulis aliquot plumulam cingentibus constans, embryo rectus, dicotyledoneus, plumula in fovea cicerens, radícula crassa, infera.

Herbae submersae, rigidae, fol. verticillata, dichotome-partita v. penta; fl. axillares?

Ceratophyllum L.

- C. demersum L. platan
- submersum L.
- platycanthum Chamisso & Schlechtendal
- ghoht nak Scheyden zu:
- vulgare.

Lythraceae.

Calyx gamop., tubo cylindrico, limbo dentatus dentibus aestival. valvatis, distantibus, juncibus interdum in lobos conicos dentesve ceteros productis, persistentibus petala summo calycis tubo inter lobos inserta interdum nulla; stam. tubo calycino infra petala inserta, libera, numero petalorum

66  
v. dupla v. quadrupla; ovar. liberum, bi-quadriloculare; mult. - ovulat; placentis centralibus styli simplex, stigma simplex, saepe capitata; capsula membracea, calyce cineta, bi-4 locular, v. distepiment. evanesci multilocularis, valvatum v. irregulariter dehiscens, pau. exalbuminosa, embryo rectus, radícula ad bitum versa.

Plantae 0, 2 v. fruti. v. fol. oppo-  
sita verticillata rarius sparsa, simpliciter  
integerrima, exsimplata; fl. in thyrsu spi-  
catu congesti; v. axillari foliis v. cyno-  
paniculati.

### Lipthrum L.

Calyx tubulosus, cylindr, 8-12 dentat, dentibus  
4-6 (sepalorum apices liberae) subulatis, erectis  
4-6 anterioribus (sinibus) petalis oppositis, pa-  
tulis, pet. 4-8 apice tubi calycis inserta  
pau. petalis numero aequalia v. dupla,  
basi v. medio calycis tubi inserta, - styli fide  
formis, stigma capitata; capsula calyce tecta  
bilocularis, polyperma, placentae crasse  
distepimento adnatae

Herbae v. fruticosa. fol. sparsa, opposita  
v. verticillata, integerrima; inflorescentia  
caedem.

### L. Laticaria L.

#### Peplis L.

Calyx campanul. subcompressus, 12-dentat.  
dentibus 6 nempe sinibus, brevioribus, reflexis,  
pet 6, pauci inserta, caedem, saepe 0. pau. 6  
ante calycis dentes latiores, inserta (sepala)  
styli brevissimus, stigma orbiculare, capsula

calyce becta, bilocularis, polyperma.

Herbae minutae, prostratae, ramiferae, fol. oppos.  
v. sparsa, integerrima; fl. axillares, aest. v. geminis  
subpeltatis, bi-bracteatis.

Replis Portula. L. *multiflorifera*.

Portulacaceae.

Calyx 5-petal, v. bifidus, rarius 3-5-petalus, aest.  
imbricatus, pet. 5, uno calyci inserta. in corollae  
lamina gamopetalam plurimumve libera v. coarctata  
spam, numero petal; v. pauciora et petalis  
opposita, inque adnata v. indefinita, libera,  
omnia fertilia; ovar. liberam v. basi calyci  
adnata, 1-locul, tri- v. pluriloculata,  
placenta centrali libera; stylus simplex v.  
stigmata plura (3. 5) capsula circumscissa  
v. trivalvis, sem. albuminosa, embryo periphericus.

Herbae o v. d v. fruticuli. fol. opposita v  
sparsa, carnosae, integerrima, stipulae o  
rarius scariosae, v. fasciculi petorum ca  
ram loco, fl. cymosae - racemosae, v. axil  
lares solitarii.

*Long. juven. longif. sum. lin.*

Montia. L.

Sep 2, persistente, corolla infundibuliformis,  
tubo antica ad basin usque fistula  
limbo 5-partito, laciniis tribus minoribus  
spam 3, fani ad basin laciniarum mi  
norum inserta, ovar. turbinatum; sty  
lus brevissimus, stigmat. 3, puberula. caps  
sula calyc. persistente <sup>cinctis</sup> trivalvis, oligoperma.

Herbae carnosulae, glabrae, prostratae  
tes, fol. opposita, racemi pauciflori  
terminalis, flos. albi v. pallide-ro  
si.

1) *M. fontana. L.*

2) *major Thunberg* in Kl. Varietät aus Quellen, "flor. praenatae" mit sehr weitgehenden Stielen

*Wulfen*

68.  
Paronychiaceae.

In alpinae usq. innumera.

Calyx gamosep. v. sessilis, 5-partit. rarius 3-4 partit.  
aestivat. imbricatus, perspicuus; pet. nisi multa  
interdum nulla  
squamis formia, numero sepalorum, calyci  
inserta; stam. libera, numero petalorum  
v. pauciora, perigyna, petalis alterna,  
ovar. bibeo. uniloculare, ovalis placent.  
sae centrali, laterae affixae v. uniovulatae  
ovulo ex apice funiculi elongati & fundi  
ovar. orti, pendulae, styli 2 v. 3, distincti v.  
bep. concreti, fructus trivalvis v. indehiscenti  
sem. albuminosa, embryo periphericus v.  
lateralis; rad. caele ad h. tum versa.

Herbae 0, 2 v. suffruticescenter, fol. opposita  
rarisimo parva, integerrima, stipulae ple-  
rumque liberae, scarisae.

Herniaria. L.

Sep. 5. basi parum connata, plano-concava,  
interis sub-colorata; pet 0; stam 10, 5 ppali  
alterna, castrata; ovar. globosum; styli brevis  
simul. signat. 2 obtusa, capsula calyce  
tecta, membranacea, indehiscenti; (partia  
Cotriculus)

Herbae v. suffrutices; prostrati, ramis spic.  
fol. parva, opposita, rarius parva integerrima  
rimsa stipulata; fl. fasciculati congesti, tracta-  
ti, bractea stipulaeque hyalinae  
H. glabra L.

Scleranthaceae.

Sep 5. connata in calycem, tubo campanula-  
tum, fauce annulo glanduloso castrata  
tum, limbo 4-5 partito, aestivat. imbri-  
catum; fructifero cum fructu in clypeo  
deciduo, pet 0; stam. ante annulum  
fauis inserta, 5 calycis laciniis opposita

v. 10, 5 fertilia calycis laciniis opposita v.  
foliatarium; ovar. lib. 1-locul, bi-ovulat.  
ovulis in funiculo e basi ovarii orto  
pendulis, altero abortiente; styli simplex

v. 2, signat. capitata v. styli simplex emar-  
ginatus; utriusque membranaceus; calycis  
tubo indurato inclusus; eubryis periphe-  
ricis; albumen farinaceum.

Herbae v. 2, dichotomic-ranunculifol, dif-  
fusae; fol. opposita exstipulata, fl.  
parvi, albedo virentes.

Scleranthus L.

Calyx urceolato-campanelatus, limbo  
5-partitus; peto; stam 10, 5 v. rarius pau-  
ciora; ovar. bi-ovulat; styli duo, utriusque  
calyce inclusus, 1-ferens.

Herbae dichotomic-ranunculiferae, diffusae  
fol. linearia, basi connata, fl. axillares  
foliarii v. terminaliter conglomerati.

- Sc. annuus L. Luligi v. fr. sp. affan, fr. fr. fr.
- perennis L. Luligi 3 fol. in involt.

Crasulaceae.

Argem. Linn. S. albuminum krumm, v. Zupf, p. argemone  
Argemone inermis composit.

Sep. 3-20, +- connata, aequalia; pet. t. g.  
calycis laciniis, vis alterna, aequalia, liberae  
v. connata; stam. cum petalis calyce inserte  
v. numero aequalia et petalis alterna  
v. dupla; ovaria t. g. petala, sepalis  
alterna, libera v. basi v. articulo inter-  
no connata, extus basi squama hy-  
pogyna fulta; styli liberi, simplici-  
ces, rariissime connati; sem. futurae  
interiori carpellorum inserta, tropho-

pernis +- prodrcto albuminosa; embry  
rectus, in axi albuminis parci, radicu  
ca h. tum spectante.

Herbae o. v. 4 v. fruticosae succulenta, fol.  
cristipulata, variisime stipulata, carnosae  
integra v. rarius fissae, in florescentia cy  
mosa. in Guttur. in Hoffm. p. 174 v. 2. Hoff v. 1. Hoff.

Sedum L.

Sep 5 rarius 4 et 6, basi connata, persiscentia  
pet 5, 4-6, basi calycis inserta, marcescentia  
(libera); nam 10 perianthae hypogynae 5, folia  
li 5, polyperui; sem. scobiformia.

Herbae rarius frutices, carnosae; fol. sparsa  
rarius opposita v. verticillata, plana v. teretia  
fl. cymosi, colore vario.

S. telephium L.

- album - var. purpureum - pectus.
- acre -
- hexangulare - pectus.

Sempervivum L.

Sepala 6 - 20 basi connata, persiscentia, pet 6-20  
basi connata, nam. numero duplex; per  
nae hypogynae et corolla 8 g. petala; folia  
polyperui, sem. oblonge teretia

Herbae v. frutices, in herbacis saepe propa  
gines repulatae ad basi; fol. sparsa, carno  
sa; fl. cymosi, aurei v. rosei.

S. tectorum L. in Guttur. p. 174 v. 2. Hoff v. 1. Hoff.

Grosulariae

Calycis tubus aequalis ad natus, limbus  
planiusculus, campanulatus, 5. 5 calycis  
4-5 fidi regularis; pet. 4-5, ad marginem  
faucis inserta, laciniis alternae, aequales.

H. Tillaea h. v. Hoffm. -  
Hoffm. v. Hoffm. v. Hoffm. v. Hoffm.  
v. Hoffm. v. Hoffm. v. Hoffm.

stam 4-5, inter petala inserta, libera, ovar.  
 1-loculare, multi-ovulata, placentis binis  
 parietalibus, oppositis, stylobes 2-4 fides  
 bava calycis limbo marcescente corona  
 ta; sem. albumi nuda, embryos in utero  
 ab hilo remotus, cotyledones bitum  
 spectantes.

Frutices, inermes v. spinos, spinulae  
 simpliciter v. tripartitae; fol. parva  
 palam nervia, lobata, rarius interdum  
 pauciflori, bracteati, pedicellis bi-bracte  
 olatis, fl. colore vario, interdum abor-  
 tu divici.

Ribes grossulariae non numeratod.

- 1 — alpinum L. confus. Hille mit Weintraum Strauch
- 1 — nigrum L. Larksbauer
- 1 — rubrum L.

Saxifragaceae.

stam Umbelliferum long. calyc. angula nonnumd.  
 aut long. hertia seu gentianeae, long. Parnassia  
 v. Tropaeaceae nonnumd. long. ranunc. v. Galatruen.  
 Calyx 5 fid. v. 5 partit rarius 4-7 fides, aestiva  
 lione imbricate, liber v. ovario + adhaerens, pa-  
 tala 4-5, calyci inserta, aequalia v. in aequa  
 lia rarius nulla. Stam. petalorum numero  
 aequalia v. <sup>saepius</sup> duplo perigyna v. hypogyna, disco  
 hypogynis v. saepius epigynis inserta, interdum  
 sublelo inserta; ovar. constant e carpellis duo-  
 bus margine placentiferis, uni v. biloculare, locu-  
 lis multi-ovulatis, placentis parietalibus v.  
 centralibus; styli duo, rarius 4-5, persistentes  
 stigmatib. obliquis.

Fructus capsularis saepe bilobus v. a lepi ad  
 apicem v. interea stylas foramine dehiscens  
 sem. 2 albumi nuda; embryos in ati albuminis



rectus, radícula ad basium versa.

Herbae o. v. r. rarissime frutescens (arboresc. aut) foliis oppositis, palm. nervis, saepe per marginem v. perstitis. fl. cymosi, interdum sub solitariis, albi, flavi, rubentes.

Saxifraga L.

Calyx ovar. adnatus v. liber, 5-partitus <sup>off.</sup> regularis; pet. 5 plerumq. aequales; stam. 10, ova. 2-loculares, dissepimento utriusque placentae, styli 2 persistentes; capsula bivalvis, 2-locul. inter stylor incomplete dehiscens, polysperma; sem. minuta albuminosa.

Herbae caespitosa; fol. saepe, raro opposita integra v. palmati-lobata; fl. solitarii v. cymosi, in apice caulis, albi flavi v. rubentes.

Saxifraga hirculus L.

granulata L. sup. quercifol.

tridactylites L. (Sax. mural, var. bulb.)

Chrysopleurium L.

Calyx semi-adnatus, coloratus, 4-fidus, laciniis 2 oppositis minoribus; pet. 5; stam. 8 circa divum glandulosum partem liberam ovarii cingentem inserta; styli duo, capsula bi-valvis, 2-locul. ad medium bi-valvis; sem. nitida, albuminosa.

Herbae minutae, tenerrae; fol. reniformi subrotunda, repandum v. incisum crenate sparsa v. opposita; flores terminalis cymosi cum foliis floralibus involucentibus aures lutei.

Chrysopleurium alternifolium L.

Umbelliferae.

Plurimae sunt in familia Araliaceae; vix in Bonis sunt fructus  
sunt Rubiaceae, vix in familia Labiatae sunt Ranunculaceae  
sunt in familia Geraniaceae, aliam in v. Ranunculaceae v. Ranunculaceae, in Geraniaceae  
v. Ranunculaceae in Ranunculaceae, in Ranunculaceae sunt in Ranunculaceae.  
Sunt in Ranunculaceae sunt in Ranunculaceae. Sunt in Ranunculaceae.  
Clematis int. Ranunculaceae sunt in Ranunculaceae. Sunt in Ranunculaceae.

Calyx tubosus ovar. adnatus, limbo 5. dentato  
v. obsolete; pet. 5, inter calycis dentes inserta  
vestivata, saepe reduplicativa; stam. 5, pet. alterna  
epigyna, vestivata, incurvata, caduca; ovar. bilo-  
culare, loculis 1-ovulatis, ovulis pendulis  
rarissime 1-loculare (sunt in Ranunculaceae) styli 2, sin-  
guli basi in divinum epigynum dimidiatum  
apicis ovar. superantem (Hypopodiam) dilatati.  
Cremocarpium constans e mericarpis duobus  
ex apice axia bifidi v. bipartiti pendulis, a basi  
ad apicem sulcatis, rarius concretis; semen peri-  
carpi adnatum v. rarius liberum ablatinofo, ad  
lumen magnum, corneum, embryo minutus in  
apice albuminis pendulis, rectus, radice ad  
internam versa.

Herbae v. rarius frutices, fol. sparsa, raro  
opposita, petiolis vaginantibus, lamina saepe  
decomposita, dissecta v. pinnatifida (Rupleurum)  
pinnulae nullae; flores umbellati, umbellati  
saepe sine compo. v. rarius decompo. v.  
in capitulum contracta; flores abortu interdum  
polygami, parvi, albi flavi rubentes v.  
raro caerulei (in Ranunculaceae.)

Umbelliferae orthopneumae  
compneumae.  
caudopneumae (sunt in Ranunculaceae.)

74.  
 Conspicuum.

I. Orthospermae

1. paucijugatae.

- a. fructus a latere compressus  
 α. umbella simplex " " Hydrocotyle  
 β. " compressa  
 αα. valliculae 7. vittatae  
 αα. fructus oblongus  
 1.) calycis margo s. dentatus " Falcaria  
 2. " " obsoletus " Carum  
 ββ. fructus subglobosus didymus " Cicuta  
 ββ. valliculae multivittatae  
 αα. Calycis margo s. dentatus " Sium  
 ββ. " " obsoletus " Pimpinella  
 cc. valliculae vittatae " Aegopodium

b. fructus sectione transversali teres

- αα. umbella fasciculata v. capitata  
 αα. fructus glochidatus, multivittatus " Sanicula  
 ββ. " " quadratus vittatus " Eryngium  
 ββ. umbella perfecta  
 αα. carpophorum indistinctum " Oenanthe  
 ββ. " distinctum  
 1. calycis margo obsoletus  
 \* valliculae 1-vittatae " Aethusa  
 \*\* " " multivittatae " Conioelinum  
 2. Calycis dentes subulati decidui " Libanotis

c. fructus a dorso compressus

- α. raphe centrali margine bialatus  
 αα. petala obovata emarginata " Selinum  
 ββ. " lanceolata integra " Angelica  
 β. raphe f. marginali, ala simplici  
 αα. juga subaequi distantia " Peucedanum  
 ββ. " lateralibus remota  
 αα. vittae lineares longitudine vallicul. " Rastinaca  
 ββ. " clavatae, vallicula breviores " Heracleum

2. multijugatae

- a. jugorum alio integerrimis " Lasopitium  
 b. " " aculeatis " Saucus

II Campylopermae

1. multijugatae, fructus aculeatus, Torilis

2. *paucijugatae*  
 2. *juga oblitterata*, fructus compressus, Anthriscus  
 3. " *sitifolia*, fructus erectis, elongatis, Chaerophyllum  
 8. " *prominula* fructus turgidus, Conium.

Fructus a latere contractus, v. plano compressus,  
 umbella imperfecta.

Hydrocotyle.

Calyis margo obsolete, petal. ovata integra, acute  
 apice recto, fructus a latere plano compressus  
 bicuspidatus; mericarpiis <sup>5</sup> vittatis, jugis s. filiformi-  
 bus, carinali et lateralibus saepe obsolete, inter  
 medias duobus armatis, sive carinato-com-  
 pressum.

Herbae plerumq. aquaticae, rarius suffrutices  
 fol. varia v. physodia, umbellae simplices, involu-  
 crum oligophyllum, flores albi.

*H. vulgaris* L.

Saniculeae.

Fructus sitione transversal. fructus, umbellae fasci-  
 culatae-capitatae, simplices v. irregulares sub  
 compo. itae v. umbellulae capitatae.

Sanicula L.

Calyis margo s. dentat, dentes foliolosi (foliacei)  
 pet. erecta, conniventia, obovata, emarginata  
 infra, in lacinulam longitudine petal.  
 fructus subglobosus, aculeis uncinis  
 dense tectus, mericarpiis cohaerentibus  
 ejugatis, multi-vittatis; carpophorum <sup>(axis bifidus)</sup> diffi-  
 ctura nullum.

Herbae 4, caules erecti, ramosi v. simplices,  
 aphylli, scapiformes, fol. 5-partita, laciniis  
 inciso-ferratis; umbella pauci-radice  
 sa, umbellulae pluri-florae; involucrium  
 oligophyllum, involucrella polyphylla; fl.  
 albi v. rubelli, polygami.

*Sanicula europaea* L. var. *Mundana*.

Eryngium L.

Calycis margo s. dentat, dentes foliolosi; pet.  
erecta, conniventia, oblongo- obovata, emar-  
ginato- infraeto, in lacinulam longitudoine  
petali; fructus peltione transversali, subte-  
res, obovatus, squamatus v. tuberculatus; no-  
nicarpis ejugatis, evittatis; carpophorum bi-  
partitum, per totam longitud. nericarpis ad-  
natum.

Herbae 4, spinoscentes; fol. basi vaginan-  
tia; flores aggregati, in capitula globosa  
v. oblonga; involucrium polyphyllum  
bracteis minoribus floribus intermixtis,  
flores caeruleocentes.

Eryng. plarum. paltan.

Amineae

Fructus a latere evidenter compressus; plerumq. didymus  
noricarpia jugis s. aequalib; umbellae perfectae.

Cicuta L.

Calycis margo s. dentat, dentes foliosi; petala obova-  
data, cum lacinula inflexa; fructus subrotun-  
dus a latere contractus, didymus, jugis s. plerumq.  
lib; aequalib; lateralib; marginantib; valliculae  
1- v. 2-patae, v. hae valliculas implentes, paulo  
magis prominule quam jugis, carpophorum 2-  
partitum, albumen peltione transversali teres;

Herbae aquaticae 4. glabrae v. caulis teres  
sive talipes; fol. tri pinnatisecta, involucrium  
v. oligophyllum, involucria polyphylla, flores  
albi.

Cicuta virgata L. in Menzel crainob.

Falcaria Hoff.

Calycis margo s. dentat, pet. obovata, emarginata  
cum lacinula inflexa; fructus oblongus, a latere  
compressus; nericarpia jugis s. foliformib; aequalib;  
lateralib; marginantib; carpophorum laterum bifi-  
dum; valliculae 1- v. 2-patae, v. hae foliformes.

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albumen tereti convexum, antice planiusculum.  
Herbae biennes; fol. ternatipecta, sequens  
sis, praeter, terminali trifido, lateralibus indi-  
visis v. tri-lobis, umbellae oppositif. termi-  
nal. perfectae multi-radiatae, involucrium  
polyphyllum, involuella subdivisa; foliola  
interiora minima.

*Falcaria Rivini.*  
Syn. *Sium falcaria* L.

*Aegopodium* L.

Calycis margo obsoletus, pet. obovata, emargi-  
nata, cum lamina inflexa, fructus a latere  
compressus, oblongus, mericarpia jugis 5 foliofor-  
mibus, lateralibus, marginantibus, valliculae ex <sup>hatae</sup>  
Carpophorum placuum, apice furcatum, albu-  
men tereti-convexum, antice planiusculum.

Herbae 4, fol. bi-3. ternatipecta, summa triloba  
segmenta ovato-oblonga, terminale petiolu-  
tum, lateralibus sessilibus; umbellae terminales et  
axillares, oppositae multi-radiatae; involucrium  
et involuella v. flores albi.

*Aegopodium padagraria* L.

*Cerum* L.

Calycis margo obsoletus, pet. obovata, emargi-  
nata, cum lamina inflexa, aequalia, fructus  
a latere compressus, oblongus, mericarpia ju-  
gis 5, folioformibus, aequalibus, lateralibus marginan-  
tibus, commissura plana, valliculae univ. <sup>hatae</sup>  
Carpophorum biberum, apice furcatum, al-  
bumen tereti convexum, antice planiuscu-  
lum.

Herbae v. h. glabrae, fol. sub 3 pinnetipecta, segmenta  
multifida, involucrium et involuella varia, flores albi  
interdum rubentes.

*Cerum Carvi*

Pimpinella L.

Calycis margo obpletus, pet. obovate, emarginata cum lacinula inflexa; fructus a latere contractus ovatus, stylopodis pulvinato styliis reflexis coronatus; mericarpia pinguis filiformi, aequalib. lateralibus marginantibus, velleculae multivittatae; carpophorum liberum, 2 fidum; albumen gibbo convexum, antice planiusculam.

Herbae 2: fol. simpliciter pinnata, v. bi-tripinnata, bipeta, umbellae et umbellulae multiradiatae in involucrum involuellaq. d. flores albi v. rubelli.

- P. magna* L.
- P. saxifraga* L.

Sium L.

Calycis margo 5 dent. dentib. interdum pet. obovate, emarginata cum lacinula inflexa; fructus a compresso v. contracto et prodygmo, stylopodis pulvinato et margine depresso, styliis q. reflexis coronatus; mericarpia pinguis aequalib. filiformib. obtusiusculis, lateralibus marginantibus; velleculae trivittatae, vittis profundis; carpophorum 2-partitum, cretibus, mericarpis aduatis, liberis; albumen convexum, antice planum.

Herbae paludosa, folia pinnata foliulis integris in foliis densis, multifidis; umbellae oppositifoliae et ternales, multiradiatae, invol. et involuella polyphylla - fl. albi

*Sium latifolium* | Pepitinaeae.

Oenanthe L.

Fructus petiolo transverso, mericarpia pinguis filiformib. aequalib. 5-filiformib.

Calycis margo 5-dentatus, pet. obovata, emarginata cum lacinula inflexa; fructus cylindricalis, subtrisinatus, v. oblongus, styliis erectis, longis, coronatus; mericarpia pinguis 5 convexiusculis, obtusis, lateralibus marginantibus paulo latioribus; velleculae vittatae

ca. pinguis, lat. acutis  
trunc. 6. pinguis f. 2. form

carpopphor. indistinctum, album conplexum v. subtiles  
 Tabulae equatae cul. v. palupis; fol <sup>pinnae: feta o.</sup> 2 3 pinnae  
 feta; fol. integra v. parie feta et in vita, umbellae  
 compositae involucrium saepe involucriellae polyphyllae  
 fl. polygamii albi.

*Oenanthe Phellendrium* Lam.  
*Phellend. equatum* L.

*Aethusa* L.

Calycis margo obsolete, pet. obovat. emargi-  
 nata cum lacinali inflexa, fructus ovato glo-  
 bosis, mericarpia jugis v. elevatis, crassis, acute  
 coronatis, lobulatis, marginantibus et paulo latius  
 orbis, corinae pubulata inctis, valliculae v. vi-  
 lakeae, albumen semis globosum, carpophorum  
 bipartitum.

Herbae v. glabrae, fol tripinnati feta  
 segmenta pinnatifida, laciniis incisi, umbel-  
 lae perfecte multiradiati, involucrium pro-  
 phylla v. o. involucri 1-5 phylla dimidiata  
 patulum v. reflexum fl. albi

*A. Cynapium* L. v. *affinis*

*Libanotis* Crantz.

Calycis ovato, pubulato elongato, decidui, petala obova-  
 ta, in lacinulam inflexam cuneolata, emargine  
 ta v. subintegre, fructus ovalis v. oblongis, feta  
 one tranverphi subtiles, styli reflexis coronatis  
 mericarpia jugis v. prominulis v. elevatis, crassis  
 et corticosis, lobulatis marginantibus, saepe pau-  
 lo latioribus, valliculae 1-5 fetae rarius 2-3  
 orbatae, carpophorum 2-partitum, album  
 men subferiteres.

Herbae 4, folie pinnati feta, segmentis ova-  
 tis incisis multi f. disoue, infinis saepe  
 decussatis, involucrium utrumque saepissime  
 polyphyllum; flores albi

*L. vulgaris*, *montanae*. v. *affinis*



Conioselinum. Fischer.

Calycis margo abscissus, pet. obcordata cum lamina inflexa, fructus a dorso compressus, mericarpia jugis 5 alatis, alis latius membrano, pycnorum lateralium marginarium duplo latioribus, valliculae multivittatae, carpophorum 2-partitum, albumen antice planum.

Herba biennis, glabra, caulis ramosus simplicifolius, fol. 2 pinuatis pinnatis, segmentis pinnatis, partitis lobis oblongo pinnaribus, umbellae terminaliter multi radiatae, in volucribus aut oligophyllum, in volucribus foliola 5-7, lineari-subulata, umbellae subaequales aut longiora, fl. albi.

C. Fischeri (Wimmer & Grabowsky)

Angelicae.

Fructus a dorso compressus, margine dilatato alato, ala duplicata, raphe neque centrali, mericarpia jugis 5.

Selinum L.

Calycis margo abscissus, pet. obovata, emarginata, fructus a dorso compressus, mericarpia neque angusta, centraliter connexa, utrinque 2 alatis, mericarpia jugis 5 membra neque alatis, ala pycnorum lateralium duplo latiore, valliculae 1-vittatae, exterioris saepe 2-vittatae, carpophorum bipartitum, albumen antice planum.

Herbae 4 glabrae, fol. ternato decompositae, segmentis pinnatis fideis, umbellae compositae, in volucribus oligophyllum, in volucribus polyphyllum, flores albi.

Selinum carai folia L.

Angelica L.

Calycis margo abscissus, pet. lanceolata, integrum acuminata, acumine recto v. incurvato

Fructus a dorso compressus, mericarpiis raphe angusta centrali connatis, utrinque bialatus. mericarpiis jugis 3 dorsalibus filiformibus. Elevatis, duobus lateralibus in ala membranacea latiore dilatatis, valliculae univittatae, carpoporum 2 partitum, albumen semiteres.

Herbae h. v. biennes, foliis bipinnatis pectatis, umbellae terminalis, in vulvorum o aut alio phyllo, in vallicella polyphylla, flores albi.

Angelica sylvestris L.

Peucedaneae.

Fructus a dorso plano o. lenticulari compressus, margine dilatato v. exalato complanato - v. convexo et incrassato cinctus, raphe marginali, mericarpiis jugis 5.

Peucedanum L. (Koch)

Calyx marginis 5-dentat, interd. obsolete, pet. obovata, in lacinulam inflexam coarctata ciliata v. pubescentia, fructus a dorso plano v. lenticulari compressus, margine dilatato complanato cinctus, mericarpiis jugis subaequidistantibus, 3 intermediis filiformibus, duobus lateralibus alatis, margini dilatato continuis, semina antice planum, valliculae uni- v. trivittatae v. hinc conispirales, superficiales, carpoporum 2-partitum.

Herbae h. perennis glabrae, fol. uni aut pluribus pinnatis pectatis aut triplicatis, umbellae perfectae terminales, in vulvorum varium, in vallicella polyphylla, fl. albi aut flavi

*P. rabeense Koch*

Papinaca L.

Calycis margo abpletus s. uniuerte dentatus, pet. subrotunda, integro, inuoluta, retusa, fructus a dorso plano-compressus, margine complanato, dilatato cinctus, meri coriis pignis tenuissimis, bisterredis, aequi distantibus, duobus lateralibus margine dilatato continuis, villae tuncres, pignis vix breviores, in valleculis solitariae in compositis binae aut plures, carpophorum 2 partitum, albumen complanatum.

Herbae radice fusiformi saepe caruosa, fol. pinnatifida, segmento dentata incisa aut lobata, umbellae perfecta, inuolutum 0 aut polyphyllum; flores flavi.

Papinaca fativa L.Heracleum L.

Calycis margo 5 dentat, pet. obovata, emarginata una lacinali inflexa, exteriora saepe radiata bifida, fructus a dorso plano compressus, margine dilatato complanato cinctus, meri coriis pignis tenuissimis, 5 dorsalibus aequi distantibus, duobus lateralibus margine dilatato continuis remotis, villae dorsales in valleculis solitariae rarius plures compositae saepius binae, omnes fructu breviores, clavatae, carpophorum bipartitum, albumen complanatum.

Herbae amplae s. fol. pinnatifida s. bipeta aut lobata, pericladia ampla petio umbellae multinodiatae, inuolutum caducium, saepius oligophyllum, involuella polyphylla.

H. spondylium L. umbellae radiatae

Thapsias.

Fructus a dorso compressus v. puberes, mericarpia pigo primariis & filiformis, interdum fetulosis, lateralibus planis contortualibus inpositis, secundariis & interioribus, filiformibus, exterioribus alatis v. ovatis, ala internis

Laserpitium. L.

Calycis marginis & dentatus, pet. obovata, emarginata cum lacinula in flexa, mericarpia pigo primariis & filiformis, lobis intermediis dorso, duobus lateralibus planis contortualibus inpositis, secundariis & omnibus alatis, alis integris, valliculae sub pigo secundariis univittatae; carpophorum liberum 2, partitum.

- Herbae & v. bicaues; fol 2-3 pinatis pecta sequentia integris dentatis incisive; umbella multi radiata involucrium spinolacella polyphylla, flores albi v. flavi
- L. asperum Gray.
- pruthenicum L.
- glabrum Gray?

Daucineae.

Fructus a dorso baticulari compressus v. fetulose transversus, puberes, mericarpia pigo primariis & filiformis, laterales planis contortualibus inpositis, secundariis & majoribus prominulis, aculeatis, aculeis liberis in celam curvatis.

Daucus L.

Calycis marginis & dentatus, pet. obovata, emarginata, cum lacinula inflexa, exterioribus saepe radiatis, profunde bifida (bipartita) fructus a dorso subcompressus, ovatus aut oblongus, mericarpia pigo primariis & filiformis, fetulosis, intermediis dorso, duobus lateralibus planis contortualibus inpositis, secundariis & aequalibus, majoribus prominulis, alatis in feriem simplicem albatam partiti, valliculis sub pigo secundariis univittatis, album. antice planiusculum

Herbae hiemosa, fol bipinnatis pecta, involucrium foliolis aut pinatis fida, involucrium polyphyllum foliola integra aut bifida, fl. albi aut flavi, centrali saepe conspicui atropurpurei, parvis

D. Carota L. var. nana L. f.

Campylopermeae.

Albumen involucrium v. antice pars longitudinali exsertata.

Caucalineae.

Fructus a latere contractus v. peltatus, mericarpia jugis pro-natis 5. foliiformibus, v. aculeatis tribus intermediis dorso, duob. lateralib. plano contriflorali in-positis, secundariis 4 majoribus nullis aculeatis v. aculeis valliculam obtegentibus, oblitteratis.

Torsilis. Sprengel.

Calycis marginis 5 dentat, dentib. acutis propositis b. pellobovata emarginata cum lacinula inflexa, exteriora radiante bifida, fructus a latere contractus, mericarpia jugis pro-natis 5 petalosis, secundariis aculeolis crebris obpositis ed hinc oblitteratis, v. v. hae in quavis vallicula foliariae, albumen involut. v. margine in-plexum.

Herbae 0 v. 7; fol. mult. fida adpresse petalosa, caulis retrospum p. capis, umbellae oppositifoliae, parsum pila-ae; involucrium 1-5 phyllum, in volucrii foli. ala 5-8 lanceolata ciliata, fl. albi, v. v. masculi spe-riales. fructus anlei, apice pape uniserialae.

J. anthriscus. Gmelin.Scandicinsae.

Fructus a latere evidenter compressus v. contractus saepe rostratus, mericarpia jugis 5 foliiformib. in totum alatis v. basi oblitteratis, in rostris tantum compressis lateralib. marginantib. v. v. b. aequalib. secundariis nullis

Anthriscus. Hoffmann.

Calycis marginis 5 dentat, peltata obovata, truncata v. emar-ginata cum lacinula inflexa, saepe breviflora, fructus a latere compressus, rostratus, mericarpia peltata, angusta rostris 5 jugata; albumen tenax, convesum, pulvis profunde stragatum.

Herbae 4, bienni v. 0; caulis prostrati, pilati; fol. decomposita umbellae oppositifoliae, v. ternariae, involucrium 0, in-vecula polyphylla flori albi.

A. sylvestris. in p. p. p. p.Chaerophyllum L.

Calycis marginis 5 dentat, pelt. obovato truncata v. emarginata cum lacinula inflexa, fructus a latere compressus v. contractus scopulis, mericarpia jugis 5 obtusis aequalib. lateralib. marginantib. valliculae 1-6 v. hatae, carophorum bifidum, albumen tenax, convesum, pulvis profunde exant.

Herbae 4, bienni v. 0, fol. decomposita, fragmente dentata v. mult. fida, involucrium nullum aut oligophyllum, involu-cria polyphylla, flori albi, rostri v. flori

Ch. bulbosum L. var. bulbosum

— tenuifolium L.

— aromatum L.

auri-jugatae

Smirneae

Fructus turgidus, a latere saepe compressus & contractus; mericarpiis jugis & lateralibus marginantibus. v. ante marginem fissis, jugis interdum subobliteratis; albumen involutum v. latere interiore sulcatum, sectione transversali semilunare v. complicatum.

Conium L.

Calyx margine obsolete; pet. obcordata, submarginata, cum lacinula brevissime inflexa; fructus a latere compressus, ovatus; mericarpiis jugis & prominulis, undulato-crenulatis, aequalibus lateralibus marginantibus; valleculae multiplicatae, costatae; carpophorum apice bifidum, semen sulco profundo angusto incisum ideoque complicatum.

Herbae biennes, venenatae; caulis teres ramosus; fol. decomposita, involucrem utrumque 3-5 phyllum, partiali dimidiata; fl. albi hermaphrod. C. maculatum L.

Arabiaceae

Adoxaceae

Arabiaceae - Arabiaceae - Arabiaceae - Arabiaceae

Calycis tubus ovario <sup>connatis</sup> adnatis, limbus 2-3 fidus <sup>connatis</sup> varius 4-5 fidus, pet. staminum apice in corollam rotatam connata, tubus brevissimus, adhaerens sub coarctatus, limbus 5-partit, planus; stam. 5, inter lacinas limbi inserta, ad basin usque bi-partita, indeque stamina quasi 10, antheris strobilatis in cumbentibus; stylis 5, subulatis, stigmatibus obtusis, bacca herbacea perispermata, dentibus calycis perpendicularibus et apice stylis coronata, junioribus locularibus, loculis parvulis, oculis pendulis, pluribus deumum abortientibus.

Adoxa

Herba tenera, glabra, radix repens, caules erecti, simplices, superne diphylli; fol. opposita, ternata pecta, radicalia heterosticta, segmentis 3 fidis, laciniis incisilobatis, glomerulini terminales, solitarii pauciflori. fl. orientes.

A. moschatellina L.

Araliaceae.

Calycis tubus ovario adnatus, limbus integer  
v. dentatus, pet. 5, 10 v. 15, dentriculis calici-  
nis alternis, aestivat. valvata, stam. 1. g. pet.  
virgine alterna, rarius dupla, sub diversis epizyris  
inserta; ovar. calycis adnatum, bi ad 15 loculis  
loculis loculatis, styli 1. g. loculi, simplicis, nunc  
distincti, divergentes, nunc in unicum conereti,  
stigmat. simplicia, fructus baccatus, 2-15 locu-  
laris, calycis limbo integro v. dentato-coro-  
natus, loculis monopernis, sem. pendula,  
albuminosa; embryo rectus, axillis, radice ad  
scelum spectante.

Fruticosa v. arbores, rarius herbae, 4, caulis in  
terdum scandens; fol. sparsa, opposita, petio-  
lo basi dilatato v. incrassato, composita aut sim-  
plicia, fl. umbellati aut capitati, umbellae  
sepe racemose paniculatae.

Hedera. Lin.

Calycis tubus ovario adnatus, marginis elevatus  
integer v. dentatus, pet. 5 v. 10, apice libera;  
stam. 5 v. 10, petalis alterna, styli 5 v. 10 connun-  
tes v. unicum brevem conereti, bacca 5 v. 10  
locularis, denum espura, coriacea, sem. in lo-  
culis solitaria, albumen rimosum, embryo al-  
mine vix brevior, cotyledonib. oblongis,

Fruticosa scandente, semper vivente, fol. sparsa  
simplicia integra v. lobata, petiolo basi di-  
latato, fl. umbellati, pedicellis basi bracteati  
viventes.

Hedera helix L. Guss.

ant. v. dupl. dupl. nunciatum, blatt. bei  
v. n. n.

Corneae.

Calycis tubus ovario adnatus, limbo 4-  
peris, 4 lobus, pet 4, oblonga, basi laeva  
summo tubi calycis inserta, aestivat. valva  
ta, spam 4, petalis alterna ovar. 2-locul.  
Pepus foliiformis, piquate simplici, drupa  
baccata, calycis vestigio coronata, <sup>endo-pericarpio</sup> putamine  
Biloculari, fer. in loculis pendula, sel  
teria, albumen carnosum, embryo axili  
radicula pupara cotyledonibus brevior

Arbores v. frutices variis suffruticosae  
v. subherbaceae; fol. (excepta unica specie:  
Cornus alternifol.) opposita, penninervis,  
integerrima aut dentata, stipulae 0, flores  
capitati umbellati v. corymbosi, albi v.  
flavi.

Cornus L.

Flores hermaphroditi, calycis lobis 4 - dentat,  
pet 4, spam 4. Pepus simplex, drupa putamine  
bilocul. loculis 1-loculari.

Arb. frutices; ramis herbae, fol. integerrima  
fl. terminales et axillares, cymosi v. umbellati  
capitati, et tunc in vulvura tetraphyllo axilli.  
Corollae albae v. lacteae, variis purpurascenti.

- C. sanguinea.
- C. frutica (retan)

Caprifoliaceae.

Valerian. v. Dilleni.

Calycis tubus ovario adnatus, limbo 5-  
v. subintegro, corolla calyci inserta, geminipetala  
v. petala 7-9. sepala, inaequalia, basi 4-conn  
ta, limbo 5-fido, saepe irregulari, aest. imbricat.



p<sup>er</sup>am 5 rarius 4 (n<sup>on</sup> n<sup>on</sup> ab<sup>er</sup>at) inae corollae  
 adnata, lobis corollae alterna, ovar. calyci  
 adnatum, junius 3-5 loculare, loculis 10. <sup>mult</sup>  
 si<sup>ne</sup> ovuletis, stylo exsertus aut 0, stigmat. 2.  
 diffinita v. connata; fructus v. bacca, calycis  
 limbo coronata plurilocularis aut abortu  
 v. septis eam<sup>que</sup> vis. 1-loculis, rarius fructus capsu-  
 laris, sem. in loculis solitaria v. plurima, in-  
 versa, albuminosa; embryo in alb. caroso  
 centralis (axilis), radícula supere

Frutices v. suffrutices; fol. opposita, exsi-  
 pulata, rarius p<sup>er</sup>ipulis raris<sup>is</sup> v. unis<sup>is</sup> mucronata  
 simplicia, indivisa, integerrima v. dentata,  
 rarius pinnatifida (Sambucineae) fl. ternis  
 axillari v. axillares geminis v. glomeratis.

Yoburnum L.

Calycis tubus ovario adnatus; limbo 5 den-  
 tat. corolla rotata v. subcampanulata, 5-loba  
 p<sup>er</sup>am 5, fauci corollae inferta, stigmat. tri-  
 p<sup>er</sup>iplica, bacca monop<sup>er</sup>ma

Frutices v. arbores, fol. opposita, simplicia  
 integra v. lobata, capsulata, cymae ternis  
 axillares, solitariae, saepe radiatae, fl. albi,  
 radii neutri.

Y. opulus L.

Lonicera L.

Calyc. t. ovar. adnata, limbus perovis 5 dentatus  
 corolla infundibuliformis, limbo 5 f<sup>er</sup>o<sup>rum</sup> irre-  
 gulari, basi gibba; p<sup>er</sup>am. 5, stigma capite f<sup>er</sup>o, bacca  
 trilocularis, loculis oligospermis, p<sup>er</sup>am. 5  
 compressa.

Frutices erecti. v. volubiles; fol. oppos. ter  
 omi vert. ciliata, integerrime; stipul. 0; flori  
 mine terminales capitati et axillares vert. ciliati  
 bracteis distineti (Carpifolium), nunc per  
 paria pedunculis axillares tui infidentes,  
 bracteis binis suffulti, singuli plerumque  
 basi 2 bracteolati.

L. Xylosteum. Pinia p.  
 - 1. coccinea, Pinia in Hoffmann.

Linnaea. Gronov.

*Linnaea s. malcomsonii* in D. Palovianea.

Calycis limbus superus, 5-partit, laciniis subaequalib, corolla  
 turbinato subcampanulata, 5-loba; stam. 4, tubo infer  
 te, didyma, ovar. infer, 2-locul. loculis 1-ovulatis, ovulis  
 pendulis; stylus simplex; stigma globosum, bava effusa  
 abortu 1-pecora, bracteis ~~vag~~ cum fructis acutis in  
 clava, iisque basi adnata.

Herbae purpurea, repens, caulis floriferis, erectis,  
 superius nudis (nunc aphyllis) l. florib. fol. ovatis,  
 grosse dentata; flori albi

L. Borealis. L.

Stellatae:

*Linnaea s. umbellif.* Pinia in corolla gamopetala 2, in 2  
 4-merisuffund.

Calycis ovario adnata, tubo subgloboso, deum didymis  
 limbo 4-lobis v. 3-lobis, v. absciso, in fructu evanido  
 corolla gamopetala, epigyna, 4-3-6 fida; stam.  
 corollae inserta, laciniis ejus numero aequalia  
 et iis alterna; ovarium confans 2 carpellis 2,  
 saepe didymis, 2-loculare, loculis 1-ovulatis, ovulis  
 erectis; stylus simplex saepe bifid. stigma 2; fructus  
 remorsarium nucamentaceum v. drupaceum, bi  
 partibile, embryo rectus in asi albuminis cornei;  
 radícula ad hilum versa.

Herbae 0 v. 4 rarius suffrutices, fol. opposita  
tripulae foliiformes, a foliis defectu gemma  
rum axillarum distinctae, utriusque uni  
ca binae v. ternae; inflorescentiae definitae  
fl. minutae plerumq. flavescentes v. albi, pu  
pures, raro caerulei.

Asperula L.

Calycis tubus ovario adnatus, margine obple  
to, corolla infundibuliformis v. campanulata,  
3-4 rarius 5-fida, limbo patente; stylis basi  
plerumq. connatis; pignat. capitata; fructus  
subglobosus, didymus, pericarpio sicco, tenui,  
mericarpiis subhemisphaericis.

Herbae aut vix suffrutices parvi, fol. opposita  
linearia v. oblonga; tripulae utriusque  
unica, binae v. tres, ideoq. verticilli 2-8 foliis  
in foliis penultimis tripulae 0; flores terminales aut  
axillares, fasciculati.

A. strictior L. aut Rubellulae sicut Papil  
- adnata L.

Galium L.

Calycis tubus ovato globosus aut oblongus, ovario  
adnatus, limbus vix 0, corolla 4 partibus rarius 5 par  
tibus, rotata, spem. breviora, pyli 2, breves; fructus  
subglobosus, didymus, rarius oblongus, pericar  
pio sicco, mericarpiis subhemisphaericis, h

habent idem ac in Asperula.

- 1) G. mollugo L.
  - 1) - uliginosum L.
  - 1) - palustre L.
  - 1) - boreale —
  - 1) - verum —
  - 1) - asperine —
- var. G. rathenium aut  
v. praevalens sicut

Valerianaceae:

Calyx tubus ovario adnatus, limbus varie dentatus v. obsoletus v. involutus, in fructu in pappum expansus; corolla gamopetala, epigyna limbo inaequaliter 3, 4, 5 fido; tubo basi calcarato v. gibbo, rarius aequali; Stam. tubo corollae inserta 4 v. pauciora, <sup>antheris</sup> liberis; ovarium 2-loculare v. obso- lute 3-loculare, loculo unico tantum, uni-ovulato ceteris v. obliteratis v. vacuis v. rariissime uni-ovu- latis, ovulis abortivis; ovulum pendulum; athen- nium v. fructus nucamentaceus, loculis 2 peritib.  
Semen exalbuminosum, embryo rectus radícula bilium  
pectante

Herbae v. v. dr; fol. opposita, <sup>(val. alternifolia)</sup> exstipulata; flores cyropsi albi v. rubentes, rarius caeruleo-centes.

Valeriana L.

Calyx tubus ovario adnatus, limbus per anthe- sis involutus, deinde in fructu expansus in pappum multipetum, plumosum, corolla tubo obconico aut cylindrico, basi aequali aut gibbo calcarata, limbo abtuse, 5 fido, rarius 4 v. 3 fido; Stam. 3; ovarium 2-locul. loculis 2 filiformib. athenium pappo plumoso coronatum.

Herbae 2 aut suffrutices, radice aromatica; fol. va- ria, saepe in eodem individuo diversa; fl. cyropsi aut fasciculati, albi, caeruleo-centes, rari et flavo-

- Val. officinalis, in Hb. Martii, Hb. K. in Polonium vrb.
- sambucifolia, in Hb. Martii.
- et alia in Hb. Martii.

Sipsoaceae.

In v. telum fructu v. compositum v. plex.  
Flores aggregati, in capitulum involuere poly-  
phylo cinctum, recep sacculum palaeaceum v.  
setosum, involuclum calgis forme, matrisake  
fructum arete cingens, 4 v. 8 sulcatum  
Calyx tubus ovario extoto v. superne tantum

98.  
 adnatus, limbus v. brevis indivisus v. denta-  
 tus v. papposus; corolla gamopetala, epi-  
 gyna, limbo + - inaequaliter 4-5 lobis; Stam. 4-5  
 tubis aequalia, libera, antheris liberis, ovarium  
 simplex 1 ovulato, ovulo pendulo; stylus simplex,  
 stigma simplex clavatum v. brevissime trilobum  
 achaenium involuella inclusum, albumen  
 tenue carnosum, embryo rectus, radicle  
 hilum spectante

Herbae v. raris frutices; fol. opposita, raro  
 verticillata, serrulata, integra v. pinnatis-  
 lobata.

Rnautia. G. & L.

Involucrum capituli polyphyllum, paleae  
 nullae, receptaculum hirsutum, involuella  
 compressum & foveolatum, fructum arete  
 cingens, apice denticulatum, dentibus duob.  
 majoribus, stipite breviter minutum; calycis  
 tubus pubescenti-formis, 8-16 dentibus, dentibus e basi latius  
 pubulato petalis, nec pappos, neque aristatus;  
 corollae 4-5-fidae, Stam 4.

Herbae erectae ramosae plerumq. villosae.

1 Rnautia arvensis G. & L.

Syn. Scabiosa arvensis L.

Rnautia campestris Boiss.

Scabiosa L.

Involucrum capituli polyphyllum, recepta-  
 culum paleaceum, involuella 5-foveo-  
 latum, saepius pubescenti-denticum, calycis limbus  
 basi in collum attenuatus, apice desinens  
 in petas aristatos quinque v. rarius abortu  
 pauciores. corollae 4-5-fidae, Stam 4.

Herbae h. aut suffrutices; fol. varia, capitula

depressa; flores coloris varis.  
Peabocifaluccifa L.

Synanthereae

Zusatz: Das was oben steht ist die Gattung? oder die Familie.  
Vergl. den Namen Compositae Nasturiales, Mitificae.  
Das was in Klammern ist Aggregatae od. Spiceae, wie die  
sich in der Millary d. Namen von dem Nastur, die  
d. Cichoraceen Spice d. Camparilaceen Spice, Nastur  
Spice Spice Spice Spice Spice Spice  
Cobeliaceae. die Gattung ist die d. Spice Spice Spice  
Spice Spice

Flores in capitulum congesti, involucri cincti.  
receptaculo cornu in prostr. v. pinguili involu.  
lucro inclisi et in capitulum collecti; calycis  
tubus ovario adnatus, limbus v. elongatus (pap-  
pi) aerie fissus, v. brevis et integer v. obsolete;  
corolla spigula, gamopetala, neuramphipetala  
limbo v. regulari, 5. rarissime 4-fido, interdum trunc-  
ato, laciniis aestivatione valvatis v. irregulari  
bilabiato v. in ligulam hinc fissis; stam. 5, tubo  
corollae inserta, lobis alterna; filamenta medio  
articulata, antherae lineares, in tubum coalescentes  
in trophaei, apice appendiculatae, basi saepe bicau-  
datae; ovarium 1-ovulatum, ovulo erecto; sty-  
lus simplex, stigmalis (d. Spice Spice Spice Spice) fossa  
rectangulari styli basin cingens; achaenium pap-  
posum v. calvum, albumen 0, embryo rectus,  
radicula infera ad hilum versa.

Herbae 0 v. saepe 2 aut frutices, interdum  
arbores, fol. persa v. opposita, semper simplicia,  
forma varia, stipulata; flores in capitulis  
aut omnes aequales (capitula homogama) her-  
maproditis, aut hercia hercia femineis ver-  
trig. mixti (capitula heterogama) polygami v.  
polygamo subdici, colore varis.  
die Spice d. Spice Spice Spice Spice  
ut Spice d. Spice, die Spice Spice Spice Spice

Flores hermaphroditici tubulofi, regulares. Tubuliflorae  
Flores omnes hermaphroditici ligulati - Liguliflorae

Tubuliflorae

- A. Stylus cylindricus aequalis
  - 1. Styli crura a basi puberula
    - a. Achaeonium teretiusculum - Eupatorineae
    - b. — compressum - Asterineae
  - 2. Styli crura apice penicillata - Senecionideae
- B. Stylus apice articulosus. nodosiorisatus - Gyneraceae

Liguliflorae.

Eupatorineae.

Stylus floris hermaphr. cylindricus, ramis longis, subaequalibus, extus perperne puberulo papilloso, piquetio seriale parum prominulas ante medior ramor styli definentes, achaeonia teretiuscula

- 1. Capitula homogama " Eupatorium
- 2. — heterogama " "
- a. — monoblium " "
- b. — dioica " Petalites

Eupatorium L.

Involucrum imbricat, cylindricum, receptaculum nudum, flores pauci, omnes hermaphroditici tubulofi - infundibuliformes, styli crura elongata, a basi puberula, achaeonium teretiusculum, sphaeratum, pappus peltatus.

Herbae aut suffrutices, fol. saepius opposita, nervis persp. verticillata, capitula corymbosa, corollae nunquam flavae.

1. E. cannabinum L.

Petalites Gärtn.

Involucrum simplex, subcalyculatum, receptaculum nudum, capitula dioica, heterogama, flores feminei filiformes, oblique truncati subligulati, in capitulis femineis multiseriales, in hermaphroditis uniseriales pauci. flores hermaphroditici, seriales, tubulofi, 5dentati

in capitulis femininis in centro paucissimi, in capi-  
tulis masculis totum discum occupantes; pignat.  
a basi puberula scabra, pappus pilosus, achaenium tere-  
trinoctulum laeve.

Herbae & in humidis crecentes; fol. pappi flores  
f. orta, radicalia, reni formia aut cordata, scapus  
squamis membranaceis tectus, thyrus polycephalus  
fl. purpurei aut albi.

Petaspites vulgaris (Dufourne.) = P. purius Residb.  
in Anthol. t. Frangula.

Tusfilago. L.

Involucrum simplex, sub calyculatum, capitulum  
tubulatum, heterogamum, receptaculum nudum, flores  
feminei marginales pluri spiciales ligulati, integri, disci  
hermaphroditi, tubulosi, s. dentati; pignat. linearia  
a basi puberula scabra; achaenium oblongo cylindraceum  
laeve, glabrum; pappus pilosus.

T. puria!

Herbae & fol. pappi flores orta, cordata, angulata  
scapi squamis omni sp. monocephali, flores flavi.

Tuss. Farfara. L.

Afferineae.

Thyrus floris herm. cylindricus, ramis linearib. ceteris subplanis et superne  
aequaliter et minute puberulis; pignatis series prominulae usque  
ad originem pubis exterioris cicciter extarsae.

1. Ligulae heterochromae.

a. ligul. unispiciales

b. — plurispiciales

Tripolium.

Eriogon.

2. Ligulae homochromae

a. antherae caudatae

b. antherae basi bipetae

Solidago.

Trulla.

Tripolium. L.

Capitulum radiatum, ligulis femininis 1- rarisime 2 spic-  
tis, disci hermaphroditi, involucris squamae sub capi-  
tulo bracteiformes, scapi imbricatae aut puberulae  
interiores longiores, laeves; receptaculum alveolatum  
alveolis dentatis; thyrus floris hermaphroditi rami apice  
craspiores, pubulati; achaenia oblonga, compressa,  
glabrinocula, basi setulis cincta; pappus simplex  
plurispicialis, setis remote-denticulatis.

Herbae & puberulae in falsuginosis crecentes,  
glabrae, fol. ad. marginem scabra, fol. alterna inte-  
gra; capitula corymbosa; ligulae caeruleae aut albae.

T. vulgare L. Hees. (M)



Erigeron. L.

Capitulum multifl. radiatum ligulis femin. plurife-  
rialib. linearib. disco aequalis aut longiorib. florib.  
divi tubulosis, regularib. omnib. hermaphroditis v. exte-  
riorib. femineis, centralib. interdum abortu masculis;  
receptaculum nudum, foveolato-punctatum; achae-  
nium compressum, erecte; pappus pilosus sca-  
ber, uniserialis.

Herbae rarius suffrut. fol. alterna, integra v. dentata  
v. lobata; capitula puberula, phaeica, disco flavo, li-  
gulis albis, coeruleis, purpurascens, rarif. ochroleucis.

- 1 E. canadensis L.
- 1 - acris L.

Solidago. L.

Capitul. pluri aut multifl. radiat. ligulis 5-15, oblongis,  
fem. 1-serialib. saepius inter se distantib. flores divi herma-  
phrodit. 5-dentati; receptaculum epaleaceum, nunc  
omnino nudum, nunc alveolatum v. fimbriatiferum;  
involucrum adpressum imbricatum, polyphyllum, saepe  
oblongum; achaeonium teretiusculum, multicoctatum,  
pappus 1-serial. pilos. scabriusculus.

Herbae v. suffrut. fol. alterna, integra aut serrata;  
caeni scorpioidi, terminati v. axill. ligulae et divi  
laetens.

- 1 S. virga aurea. L.

Arnica L.

Capitulum multifl. heterogam. flores radii 1-serial. fem.  
interdum abortu steril. saepius ligulati, rarif. subtubu-  
losi 3-fidi, flores divi hermaphrodit. tubulosi, 5-dentati in-  
volucrum imbricatum, 1-seriale. receptaculum planum aut  
subconvexum, nudum; antherae basi bifidae; achaeonium  
erecte, teretiusculum aut 4-gonum; pappus 1-serial. setis  
capillarib. subscabris.

Herbae 2, biennes v. 6; fol. sparsa, saepe amplexicaulia, in-  
tegerima aut serrata; capitula pedunculata, solitaria v.  
corymbosa, flava.

- 1 A. Helenicum L.
- 1 - Galiciana L.
- 1 - Britanica L.

Senecioideae.

Stylus fl. hermaphr. saepe heterogam. cylindraceus, canis linearis,  
apice penicillatus truncatis v. in conum brevem v. in appendiculum  
longatum et biopidulum productis. Pignatis series  
latiusculae, prominulae usq. ad penicillum extensae  
Conspicuas.

- I. Pappus 2-3 arifidatus
- II. Pappus 0 aut coroni formis
- A. Capitula radiata:

Bidenis

- 1. receptaculum paleaceum
  - a.) achaeenia margine membranaceo coronata Anthemis.
  - b.) achaeenia calva Achillea.
- 2. receptaculum apaleaceum
  - a.) achaeenia divici calva
  - \*) receptaculum planum Leucanthemum
  - \*) subplanum Matricaria.
  - b.) conicum Pyrethrum
  - b.) achaeenia pappo coroniformi Artemisia.
- B. capitula discoidia Tanacetum
  - 1.) achaeenia calva
  - 2.) achaeenia pappo coroniformi

III Pappus pilosus.

- A. antherae caudatae
  - receptaculum apaleaceum
  - a. capitula heterogama
    - α. flores radii pauci, 1-periales Helichrysum.
    - β. — — — — — pluriperiales Gnaphalium.
  - b. capitula divica Antennaria.
- 2. receptaculum margine paleaceum Filago.
- B. antherae caudatae: Ligularia
  - 1. pappinum induratum in floribus radii
  - 2. — — — — — 0 v. capitula discoidia Senecio.

Bidens L.

Capit. multifl. nunc heterogam. discoidium, nunc in iisdem specib. saepius radiatum; florib. radii ligulatis neutris; involucri quatuor- rati; achaeenium obcompres. aculeat. rotto superatum, ab achaeenio vix di- versis; deflexis in aristas 2-5, rigidis, retrospum piloso-fabris.

Herbae perenn. 0; caules 4-goniv. teretes; fol. opposita; summa in- terdum alterna, indivisa, partita aut pecta, lobis incisiv. v. serrat. tis; capitula saepius flava.

Bidens tripartita L. cernua L. Anthemis L.

Capit. multifl. heterogam. florib. radii 1-periales, ligulati, fem. divici tubulosi, 5-dentat. hermaphroditi; recept. convex. oblong. aut unicum, paleis membranac. inter flores ornatum; involucri pauca. feriale, imbricat.; pappi rami apice appendiculati; achaeenium teretiss. seu obtusissime 4-gonum, friat. aut laeve, pappus 0 aut membranaceo bre- vissime integra aut dimidiata aut auricula ad latus uterius.

Herbae rarius suffrut. fol. pinnati-partiti, lobis varie incisiv. rami cephal. capitula ebracteata, radiis albis rarius luteis, raris fl. fo. A. arvensis L. (fl. albi) hirtoria L. (fl. lutei)

Achillea L.

Capit. multifl. heterogam. flores radii fem. ligulati 1-20, rarius 0 v. abbreviati; floribus divici hermaphroditi, 5-dentat. tubulosi, involucri campanulat. v. ovato-oblong.; squamis imbricatis, margine hirsutis, interdum furcis; recept. planum v. convex. v. elongatum, paleaceum, achaeeniae obcompresae, exteriora interdum margine subulata v. nervosa, calva; pappus 0.

Herbae 6; fol. alterna, varie pinnati- v. pecta v. lobata rarius integra; capitula corymbosa, ligulae albae, purpu- rascentes, flavae aut aetrolencae.

A. speciosa Desvel. A. m. h. folium L. (sel. v. Andra botanum nunc Achillea vel Gatt. Pharmica, prop. - sp. d. g. g. g. g.)

Leucanthemum. Tournef. Lin.

Capitulum multiplex heterogamum, flores rari  
ligulati, & seriales, femineo aut rari, prope  
seri, disci monophroditi & scutati, tubo carnos  
plano, compresso, sub 2 alato, involuorum imbr  
catum, late campanulatum, squamae margi  
nis pubescenti, receptaculum nudum, pubes  
centum; styli disci raris exappendiculatis  
achaisia exalata teretiuscula, striata  
conformia, disci epigyni magno terminata  
calva v. in <sup>radio</sup> disco pappo auriculi formi do  
nata.

Herbae 4; fol. dentat aut pinnatifida lobata, capitula  
terminalia, solitaria, discus flavus, ligulae  
albae v. rubentes.

— L. vulg. Lamarek.

Sp. Argem. Th. leucanthemum. L.

Matricaria L.

Capitulum multiflorum, heterogamum, ligulae  
seriales, femineo, flores disci tubulosi, herma  
phroditi pedunculati, tubo teretiusculo, invo  
luorum imbricatum, paucispicatum, squamis  
pubescent. receptacul. aptum nudum, vici  
cum; styli disci raris exappendiculatis, a  
chaisia exalata, angulata, conformia, disci  
epigyni magno superata, calva v. rarius pap  
pe corolliformi superata.

Herbae 0 glabrae; fol. multi-partita, lobis  
virescenti potuicis, raris monophroditis sub coroll  
formi, discus luteus, ligulae albae, raris fine  
nullae

M. chamomilla L.

— inodora L.

M. arvensis. M. pinnatifida. Pyrethrum, non deest in Pappo proprio pyrethri

Pyrethrum Willd.

Capitulum multiflorum, heterogamum, ligulae  
femineae, seriales, raris 0, flores disci

tubulosi, hermaphroditi, 5-dentati, tubo corollae  
 presq[ue] 2 alato v. subtereti; involucrium im-  
 bricatum campanulatum, squamis mar-  
 ginis parvis, receptaculum planiusculum,  
 nudum aut rarius bracteolatum, styli divi-  
 renis exappendiculatis; achaesia exalata  
 angulata, conformia, pappo coroniformi  
 saepius dentato, interdum auriculi formi.

Herbae et, et aut suffruticosae; fol. alternis  
 dentata aut varie lobata; capitula parva  
 corymbosa v. solitaria, discus flavus, ligu-  
 lae albae, rarius glabrae interdum rosae.

*P. maritimum*, Luit.

Artemisia L.

Capitulum diversiduum homo- aut hetero-  
 gamum, floribus radiis spiritalibus, saepe  
 ferrugineis, ~~tridentatis~~ stylo longe latido ex-  
 serto, floribus divi hermaphroditi & den-  
 tati, abortu interdum masculi, involucrium  
 imbricatum, squamis marginis parvis,  
 receptaculum epaleaceum, nudum aut, rari-  
 us, fimbrioliferum; achaesia obovata,  
 calva, disco epigyno minuto.

Herbae aut suffruticosae, fol. parva varie pin-  
 nati lobata, capitula spicata, aut racemose  
 racemis spicis quo in paniculas congestis  
 corollae luteae aut purpureae.

- 1. *A. absinthium* L. <sup>synonym. bipart. accepta</sup>
- *campestris* L. <sup>staminal. capitula</sup>
- *vulgaris* L.
- *maritima* L. <sup>synonym. capit. receptacul. calorum. peltata</sup>

Tanacetum L.

Capitulum homo- v. heterogamum, floribus saepe  
 radiis ferrugineis, spiritalibus, saepius 3-4 dentatis,  
 receptaculum nudum convexum, involu-

rum campanulata imbricata; corollae disci  
4-5 dentatae, adhaerens angulata glabra  
disci epigynae magne, pappus coroniformis  
membranaceus, minutus, integer v. aqua-  
liter dentatus

Herbae aut suffrutices; fol alternata, parva  
varie spectata, capitula corymbosa rarius  
solitaria, subglobosa, laxe.

T. boreale Fisher.

Helichrysum Gaertner

Capitula multifl. nunc homogamum, floribus  
omnib. tubulosis hermaphroditis 5-dentatis  
nunc heterogamum, floribus radii uniseriatis  
parvispinis, femininis gracilibus, involu-  
crum imbricatum, squamis parvispinis, involu-  
cris connatis aut rotatis receptaculo  
planum spatiosum, nudum, veolatum aut  
fimbriiferum; achaenia erecta, sessilibus  
areola terminali, pappi ipsialis; pappus  
setis liberis v. basi cohaerentibus v. ramosis

Herbae aut suffrutices; fol parva; involu-  
crum callosa, corollae laxe aut purpureae

T. arenarium Del.  
Syn Gnaphal. arenar. L.

Gnaphalium L.

Capit. multifl. heterogamum floribus omni-  
bus tubulosis radii pluriserialibus, femi-  
nibus, tenuispinis, disci hermaphroditis, in-  
volucrem anatum, disci sepius aequale  
squamis imbricatis, adpressis subhyalinis  
receptaculum planum, omnino nudum,  
achaenia teretia aut teretiuscula, papillo-  
sa; pappus ipsialis, pappus

Herbae 4 v. 6 lanatae aut tomentosae

fol. pposita aut decurrentia; capit. glomerata  
paucicula, corymbosa v. spicata, involucri  
squamae albae v. rufae

1 Gnaphal. rectam L. Syn. Gnaph. sylvaticum  
— norvegicum L.  
— uliginosum, L.

Antennaria. Rob. Brown.

Capitula dioica, receptaculum convexum  
alveolatum, involucri squamae imbricatae  
apice coloratae, parvas. corollae tubulose  
semin. filiformes 5-dentatae; stylus florum  
seminorum apice bifidus, florum mascul.  
simplex aut vix bilobus, abortiens; anthe-  
rae semin. fertae, basi bifidae; antherium  
tereti-ovatum, pappi spicatos, in flor. b. <sup>semin.</sup>  
filiis filiformibus, in masculis apice clavatis.

Herbae interdum suffruticosae, fol. puber-  
somentosa, sparsa inagerime, capitula  
corymbosa; involucri albi rufes v. rufi, nun-  
quam flava, corollae flavae

A. dioica

Syn. Gnaphal. dioica L.

Filago. Tourn.

Capit. multiflora, heterogam. receptaculo elongato, filif.  
vix apice dilatato; involucri squamis imbricatis nec a-  
palis receptaculi distinctis, exteriorib; dorso lanatis  
ceteris scariosis; flores inter squamas palearum  
axillares, solitarii, feminei filiformi. vix apice den-  
tati; fl. terminali seu centrales, plurimi, exteriores  
seminei filif., interiores hermaphroditi, interdum substeriles,  
tubulosi, 4-5 dentati; albaenia teretia subpappilloso;  
pappus florum centralium filis filiformib. cohaes,  
florum marginalium nullus aut distinctis.

Herbae o tomentosae; fol. sparsa, integra; capitula  
in axillis aut apicibus ramorum aggregata, subpy-  
ramidata.

Filago arvensis.

Syn. Gnaphalium arvense, L.

Senecionideae.

Ligularia Cassini.

Capitulum unifi. radiatum, flores radii  
 uniserialis, ligulati, feminei; pappum  
 radii mentis nuntiti; flores diversi tubulosi,  
 quinque dentati, hermaphroditi; involucri  
 campanulatum, puberulum, basi fibro  
 tectum, receptaculum nudum, planum  
 stylus diversi namis obliquis pube longe desce  
 dente utrinque tectis, cono brevissimo superes  
 tis; achaenia crossea, sulcata, teretiuscula, exale  
 ta, glabra, pappus pluriserialis, pilosus, conformis  
 herbae 2 fol. parva, plerumque cordata, capitula  
 ampla, flava, in racemum v. thyrsium disposita aut  
 solitaria, longe pedunculata.

L. sibirica Cass.

syn. linearis fl. Lin.

Senecio L.

Capitulum homogamum, discoidem aut  
 saepius heterogamum, floribus radii ligu  
 latis, femineis; involucri spiale, nunc  
 nudum, nunc bracteis acerforis caly  
 catum, quamvis saepius apicis spiculatis, mag  
 gine pubescentis; receptaculum epaleaceum  
 nudum v. alveolatum, styli floris herma  
 phroditi namis truncati, apice tantum peni  
 cellati; achaenium crosseae, longiusculum  
 exalatum, teretiusculum aut sulcato  
 angulatum; pappus pilosus, pluriserial  
 lis, caducus; saepis tenuissimis, pubae  
 qualib. bis scabris.

Herbae aut suffruticosae polymorphae, fol.  
 parva, capitula solit. v. corymbosa, florum  
 diversi plerumq. lutei raris purpurei, ligula  
 luteae rar. purpureae v. albae.

- Senec. vulg. L. sp. Rudolb.*
- *Jacobaea. Lin. yuff. fl. Lenth.*
- *paludosus, Salzm., young round, water in sp. Sen*
- *palustris Sel.*
- Jpn. Amer. palustris d.*

Cynareae.

- Pappus uniferialis* " *Carlina*
- *pluriferialis:* " *Centauraea*
- capitula heterogama*
- *homogama* "
- pappus deciduus* "
- setis basi in anulum connatis*
- pappus pilosus*
- achaeuia quadrifopata*
- receptaculum alveolatum, Onopordon.*
- achaeuia ecapata*
- recept. ptopum* " *Carduus*
- pappus plumosus* " *Cirsium*
- setis basi distinctis*
- achaeuis brevioribus* " *Lappa*
- pappus persistens* " *Serratula*

Carlina L.

Capit. homogamum nulli et aequaliflorum, involucri squamae exterioris foliaceae, dentatae, pinnatae, patentes, intimae scariosae, coloratae, radiantes; receptaculum planum, alveolato-fimbriiferum, corollae glabrae, s-fidae; antherae apice longe appendiculatae basi plumose bicaudatae; fil. glabra achaeuium oblongo-cylindricum, pappus sericeo adpressis uesitum, pappus 1 serialis plumosus, setis basi serratis u. quaternatis connatis.

Herbae pinnatae, caulescentes u. acaules, flores magni.

*C. vulgaris L.*

acaulis? (foll. in involucri yuff. p. p.)



## Centaurea L.

Capit. heterogamum, corollae radii ampliatæ, steriles, rarius aut circum nos superantes aut hermaphroditæ, involucri squamæ coriaceæ scaris appendiculatæ v. spinosæ; achaenium compressum, hilo laterali antico; pappus compressus e fetis filiformibus, scabris, multifariatis, pice intima minore subconnivente, rarius aequali aut longiore.

Herbae v. L. polymorphæ; fol. integræ v. pinnatilobata, capitula in ramis caulis solitaria, flor. varii.

- 1) *C. Jacea* L. umbra in pappo
- *nigrescens* Willd.
- 1) - *cyana* L. (vul. in pappo)
- *scabriga* L.
- *nigra* ?
- *phrygia* ?

in part. *laevifera* (alpina) in Etyopia in  
 in Europa profundum montem.

## Oropordon L.

Capit. homogamum, aequaliflorum, involucrum ovato-globosum, squamis imbricatis, coriaceis, apice spinoscentibus, receptaculum carnosum, profunde alveolatum, alveolis membranaceis, pinnatis, dentatis, corollae 5-fidae, inaequales, ad basin limbi incrassatae, fol. glaberrima, autem appendice linearis-subulata, caudis brevibus; pappus fere ad apicem conereta, achaenium obovato-compressum, tetragonum, transversè rugosum; pappus hetero-subplanus, basi in anulum coneretus, plurifariatis.

Herbae ramosae v. caules, fol. decurren-

105.  
tia, spinosa-dentata, pinnatis-lobata, capitula  
magne, corollae purpureae, rarius albae.

*O. acanthium* var. *albidum*.

Carduus L.

Capit. aequalifl. involucri squamae imbricatae, margine haud serratae, apice spinosae aut acuminatae, receptaculum fimbriiferum, corolla tubo brevi, fauce oblonga, limbo 5-fido, staminum filamenta libera pilosa, antherae appendices lineari-subulatae caudae nullae, pignat. concreta, achaenium oblongum, compressum, glabrum, areola terminali, subcarnosa, basilari vix subobliqua, pappus multiserialis, pilosus, basi in anulum concretus, deciduus.

Herbae erectae, caule ramisque monochaetis, fol. decurrentia, pinnatis-lobata aut indivisa, ciliato-spinosa, capit. subglobosa aut oblonga, corollae purpureae rarius albae.

Carduus crispus L.

Cirsium Tournef.

Capit. homogam. aequaliflorum, florib. hermaphroditi aut rarius dioici involucri squamae imbricatae, apice spinosae, receptaculum fimbriifer, corolla tubo brevi fauce oblonga, limbo 5-fido, fol. libera, pilosiuscula antherarum appendices lineari-subulatae, caudae nullae pignat. concreta, achaenium oblongum compressum, glabrum, costatum, areola terminali subcarnosa; pappus multiserialis, basi in anulum deciduum concretus, plumosus, apice subdentatovelatus v. subclavellatus

Fol. fest. ca. rar. decurrentia.

Herbae habitu Cardui. fl. parvis, sublevis

*C. lanceolab.* Scopol.

- C. palustris Scop.
- C. heterophyllum Allioni.
- D. oleraceum Scop.
- C. caerule Allioni

Lappa Tournef.

Capit. homogam. aequali flor. involucri glabro;  
 squamis coriaceae, imbricatae, superne pubescentes,  
 apice uncinato inflexae, recept. pubescens,  
 planum, fimbriis rigidis, pubescentibus, corollae  
 5-fidae, regulares, tubo 10-nervis; filamenta papillofa,  
 antherarum app. filiformes, caudae pubescentes; stigma  
 apice libera, divergentia, arcuata, fructus (achasium)  
 oblongum compressum, glabrum, transverse  
 rugosum, areola basilari vix obliqua,  
 pappus brevis, pluriserialis, pilis liberis, ser-  
 imis deciduis.

Herbae ramiferae, fol. cordata, pubes-  
 centia. tomentosa; capitula terminal. corollae  
 basae aut. foliaria; corollae purpureae  
 rarius albae, involucri aequales.

- L. tomentosa Lamarch.
- major Gaertner
- minor. Del.

Sp. Arctium L.

Serratula L. (emend.)

Capit. multifl. homogamum, rarius abortu  
 uniflorale, v. ~~raro~~ raro femineum, involu-  
 crium ovatum, squamis imbricatis, interio-  
 ribus longioribus, apice pariter membranaceis  
 recept. fimbriatis, corollae 5-fidae, subregulares  
 fol. papillofa; antherar. appendices obtusae,  
 stigma 2 divergentia, achasium oblon-  
 gum, compressum, glabrum, laeve, areola  
 basilari suboblonga; pappus pilis multifloris

scabridis, puberulentis. aequalibus, exterioribus,  
brevisoribus, saepe deciduis

Herbae ieromei aut puberulae, aut polycephalae  
nunquam tomentosae; corollae purpureae rari-  
us albae.

Terratula tinctoria.  
coronata?

Cichoraceae.

- |  |                                      |
|--|--------------------------------------|
| Achaenia calva   | Lappana v. Lappana                   |
| — papposa  |                                      |
| — <sup>rubicunda</sup> pappulosa <sup>pallescens</sup> | Cichorium.                           |
| + Pappus plumosus                                      |                                      |
| recept. pallescens                                     |                                      |
| achaenia omnia longe caespitosa. Achignophorus         |                                      |
| — marginalia raris caespitosa. Hypocheris              |                                      |
| recept. spaleaceum                                     |                                      |
| papp. biferialis                                       |                                      |
| radii interiores plumosi, exterior. parvis             |                                      |
| pappus perspicuus                                      |                                      |
| achaenia rufescens                                     | " Leontodon                          |
| papp. deciduus   |                                      |
| achaenium constrictum                                  | " Picris                             |
| radii omnes plumosi                                    |                                      |
| involuerum uniferialle                                 | " Tragopogon (papp. unif. in Hil. 2) |
| — imbricatum   | " Scorzonera                         |
| papp. uniferialis                                      | " Oporinia                           |
| Pappus pilosus   |                                      |
| achaenium subitum caespitatum                          |                                      |
| Achaen. compressum (glabrum)                           | " Lactuca                            |
| Achaen. cospata - angulatum <sup>denticulatum</sup>    |                                      |
| Achaen. apice attenuata                                | " Taraxacum                          |
| Achaenia truncata, omnino crispata                     | " Crepis                             |
| Achaen. compressa (papp. albus)                        |                                      |
| Achaen. teretia cospata (papp. prostratus)             | " Sonchus<br>Hieracium               |

Lappana d.

Capit. 8-12 florum, involuerum cylindricum  
pinnatis angulatum, squamis erectis uni-  
seriatis, squamulis bisternis, minutis finis  
pappi stipatis; recept. angustum, nudum, adha-  
sive oblongo, glabra, striatula, calva, carnea;

intra involucri squamas haud involuta

Herbae perennae, glabrescens, ramiferae, capitula laxa corymbosa; corollae flavae.

*Lampyris communis*

Cichorium L.

Capit. multifl. involucrium duplex, exterius breve, subpentaphyllum, interius longum, 8-10 phyllum; receptaculum planiusculum, epaleaceum, interdum parce alveolato-spinulosum, ferens, achenium obovatum subcompressum, striatum, glabrum, pappi squamellae brevissimae, obtusiusculae, numerosae, 1-2 priatae.

Herbae rectae ramiferae, interd. spinescentes capitula aut axillaria, perfolia aut terminalia corollae caeruleae.

1 *C. Juttybas* Willd. *spanicum* Ledeb.

Achyrocline Scop.

Capit. multifl. involucrium ovato oblongum aut subcompansum, squamis imbricatis, receptaculum paleaceum; achenia glabra, muriculata omnia rostrata, pappus 1-priatis, plumosus

Herbae perennes; capit. hemisphaerica aut campanulate rarius ovata; fl. lutes.

*Achyrocline maculata* Scop.

*Hypochaeris maculata* L.

Hypochaeris L. (amend.)

Capit. multifl. involucrium ovato oblongum squamis imbricatis, recept. paleaceum, achenia glabra, muriculata, marginalia, adhaerentia interiora rostrata; pap. bipriatis, pappi exterioribus subuliformibus interioribus longioribus plumosis

Herb. 0 aut 4 glabrae aut pilosae, caulis v. caulescentes, fol. integra, dentata aut pinnatifida, flores lutes.

*Hypochaeris radiata*

109.

Leontodon. Jussieu.

Capit. multiflorum, involucrium pubescentia  
sum, squamis exterioribus brevioribus, 1-3 serratis  
recept. nudum, punctatum aut in centro  
fimbrioliferum; achaenia teretia, striata  
transverse rugulosa - imbricata, conformia,  
in rostrum breve sensim attenuata; pappus  
biserialis, pappi exterioribus brevioribus, plusquam  
multis, interioribus plurimisque, basi scarioso - di-  
latatis

Herbae caules. fol. rosetata dentata aut  
pinnatifida; pappi monocephali; fl. lutei

L. hispidum L.

Syn. Apargia hispida.

Oporina. Son.

Capit. multifl. involucrium 1-serialis, squamis  
accessoriis ad basin pluribus, recept. nudum;  
achaeia oblonga, teretiuscula, utrinque sub-  
attenuata, transverse rugulosa; pappi 1-serialis  
viridius, pappi plurimique, basi scarioso - di-  
latatis, serulatis.

Herbae 4, caules; fol. radicalia dentata v.  
pinnatifida lobata; pappi saepe ramosi, ra-  
mus monocephalis; flores lutei.

Oporina autumnalis Son.

— pratensis Loping.

Syn. Aparchia.

Tragopogon Tournef.

Capit. multifl. involucrium 1-serialis 8-10 phlo-  
lam, squamis imo basi pubescentibus, demum  
reflexis; recept. epaleaceum, foveolatum  
achaeia sessilia, areola laterali, mucro  
culata, longe exsertata, rostro continuo  
caevi; pappi pluriserialis, conformis,  
plurimisque, pappi 5 longioribus, apice

nudis.

Herbae 0,4<sup>2</sup> v. breves valde lactescentes, caules erecti foliis; fol. lanceolata v. linearia, in terzima, parallelinervia, lana floccosa ad axillas et sub involucrio; corollae lobae, purpureae s. divicolores.

*Tragopogon pratensis* L.

*Scorzonera* L. emend. Cassini.

Capit. multifl. in involucrium imbricatum, receptaculum nudum, achaenia pappi, plerumque crotchia, glabra, areola laterali; pappus pluriserialis, conformis, plumosus fetis s. interioribus, longioribus, apice nudis.

Herbae 4, radice saepe tuberosa; fol. in terzima, rarius dentata, caules simplices, cephalis aut ramis raris monocephalis; flores flavi v. purpurei v. divicolores.

*Sc. humilis* L.

*Picris* L.

Capit. multifl. in involucrium puberulum imbricatum, 2-serialis, (quamvis exterioribus brevibus saepe petalis) receptaculum nudum, achaenia teretiuscula, utroque pubescentia, transverse regulosa, crotchia v. brevissime crotchata; pappus 2-serialis, serie interiore plumosa, exteriori breviori pilosa, deciduis.

Herbae ramosae, pilis glochidatis asperae, fol. dentata, capit. pedunculata, fl. lutei.

*P. hieracioides* L.

*Lactuca* L. emend. Del.

Capit. pluri- seu pauciflorum, in involucrium cylindricum, calyculato-imbricatum, 2-serialis, seriis exterioribus brevibus, recept.

nudum, achaemia plano obcompressa, exalata  
abrupte in rostrum filiforme producta,  
pappus pilosus, fragax.

Herbae glabrae, capit. parva, paniculata,  
florei lutei, caerulei, purpurei v. varii  
colores.

L. muralis F. W. Steud. (Del.)

syn. Prenanthes m. L.

Micglis muralis Reich!

ann Caspiae

Taraxacum flacca.

Capit. multifi. in involucrium duplex, squa-  
mis exterioribus, minoribus, adpressis  
v. pabulis v. reflexis, interioribus, spicatis,  
erectis, recept. nudum, achaemia oblonga,  
striata, mucronata, aut apice spinulosa  
longe rostrata; pap. pilosus, multispicatis  
albus.

Herbae annuae, 4, fol. omnia radicalia  
paucissime ramulata, scapi 1-cephali, 3-5  
lopi, floccosi; capit. flava v. alba, liguli  
extus saepe purpureascentibus

T. dens leonis syn. Leont. taraxacum L.

- palustre Del. in palz. Gypm.

Diuisa in involucrium alba lingua an v. Pulegion.

Crepis L. emend. Moench.

Capit. multifi. in involucrium duplex, exterioribus  
breve caliciforme, interioribus unispicatum,  
recept. epaleaceum, achaemia teretiuscula,  
exalata, sensim in rostrum breve attenua-  
ta; pap. pilosus, mollis, albus, multispicatis

Herbae annuae v. biennes rariis  
4, erectae ramulosae, fol. saepe pinna-  
tifida; flores flavi.

C. tectorum L.

- bipennis L.

- praemorsa Tröbel. syn. Nieras. praemorsa L.  
paludosa Moench. syn. Nier. palud. L.



Sonchus L. emend. Cassini

Capit. umbellifl. involuorum imbricat, receptacu-  
lum nudum, achaemia conformia, exalata, con-  
prosa, crotoria, longitudinaliter, capitata, saepe  
transverse una, pappus mollis albis  
pinus, multi, periculis, pectis tenuissimis.

Herbae aut frutices: fol. varia plerumque  
pinnatis lobata; fl. flavi

- S. oleraceus L. (in Gump. Garten p. 130)
- asper Villars.
- arvensis L.
- palustris L.

Hieracium L.

Involuor. avatum aut cylindricum, juvenis  
linearis, obtusis. acuminatis, 2-plurifloris  
lobis, imbricatis, recept. nudum paleas  
biulatum, achaemia angulata subsessile  
crotoria, pappus perispermus, uniserialis, pila  
flex, foveolae albus, pectis rigidis, scabris  
basi liberis.

Non frutescunt si sicut sicut in nigro Gut aut hinc  
interfuerunt in.

- |   |   |  |
|---|---|--|
| Pilosellae<br>sunt prole-<br>collatae, Ho<br>lunt 2-3 inde. | } | <u>H. pilosella</u> L.                 |
|   |   | - <u>brechinatum</u> Bertolone pullus. |
|   |   | - <u>auricula</u> L.                   |
|   |   | - <u>Bauhini</u> . Besf.               |
| Sua Molans  | } | - <u>radiciale</u> . Fausch.           |
|   |   | - <u>collinum</u> Gohnd                |
|   |   | - <u>praecaltam</u> Gohnd              |
|   |   | - <u>fallax</u> Willd.                 |
| Mit Bibliothek.<br>Munzel.                                  | } | - <u>ethioides</u> Lumbier             |
|   |   | - <u>cynigerum</u> Reichenb.           |
|   |   | - <u>cynosum</u> Villars.              |
|   |   | - <u>vulgatum</u> Fries                |
|   |   | - <u>nivorum</u> L.                    |
|   |   | - <u>umbellatum</u> L.                 |

Ambrosiaceae

Die Gatt. *Xanthoxylum* v. *Opuntia* etc. *Fraxinella*.

Xanthium

Flores monoici, masculinae in volucrium polyphyllum  
terminali, flores tubulosi, paleis in terflectis  
in receptaculo conico. Stam. 5; flori femineas:  
involucrium gamophyllum, 2 loculare, biflor  
denique induratum, hemato-~~primo~~ *primo*; calyx  
ovario adnatus; corolla filiformis, stylus  
simplex, stigma 2 elongata; achenia inclusa  
in loculis involucri, solitaria

Herbae s. frutices, 0 ramosae, interdum  
spinosae; fol. incisa, sparsa, capita la spicata  
glomerata; spicae terminales et axillares saepe  
re masculinae basi femineae.

*X. prumarium*

Camparilla ceae.

Die *Campanula* v. *Hyssopus*, *Urtica*, *Urtica* etc. *Urtica* etc. *Urtica* etc.  
Die *Campanula* v. *Hyssopus*, *Urtica*, *Urtica* etc. *Urtica* etc. *Urtica* etc.

Lobelia ceae

*Lobelia Dortmann* L.  
mit Anpl.

Calyx plerumq. 5-lobus (3-10 lobus) tubo ovario adnato,  
corolla gamopetala regularis, aestivatione valvata,  
marcescens. Stam. 5, rarius 3-10; fil. *epigyna*, li-  
tera lobis corollae alterna, basi membranaceo-  
dilata, antherae plerumque liberae (2 loculare, 2) —  
longe terminaliter dehiscentes, praecedes; ovari-  
um calyce adnatum, 2-3-5-10 loculare, multi-  
ovulatum; stylus simplex, pilis collectoribus  
tectus; stigma nudum, saepius 2-3-10 fidum; capsu-  
la vertice aut lateraliter valvatum v. poris  
dehiscentis; sem. numerosa, embryone recto in  
albumine carnos.

Herbae lactescentes, rarius suffrutices; fol. ex  
stipulata, sparsa, rarius opposita v. verticillata (polyphyllum)  
inflorescentia definita, corollis caeruleis  
v. albis; rarius flavescentibus.

114.  
Antherae basi connatae  
liberae

Fajone

corollae profunde 5-partite laciniis linearib. Phyteuma  
corollae campanulatae 5-loba, lobis abbreviatis  
v. Campanula.

Fajone L.

Calyx adnatus, 5-partit., corolla 5-partita,  
laciniis linearibus, primis coalitis, denique  
a basi ad apicem sulcatis, recurvatis, stam.  
5, filamentis pubulatis; antherae basi cohae-  
rentes, stigma emarginato-lobatum, capsula  
bilocularis, apice foramine schiscenti, poly-  
perma,

Herbae v. 4; fol. parvis; flores capitati,  
involucrati, aerulei

Fajone montana L.

Phyteuma L.

Calyx adnatus, limbo 5-partito, corolla 5-partita,  
subpentapetala, laciniis linearibus, primis coalitis,  
deniq. a basi ad apicem sulcatis, stam. 5, fila-  
mentis basi dilatatis; antherae liberae; stigma  
bitripidum, capsula 2-3 locularis; foramen  
v. 2-3 lateralibus. schiscenti polyperma

Herbae caulescentes v. subcaules; fol. parva  
fl. capitata v. spicata, racinis umbellatis,  
aerulei, violacei v. albi.

Ph. spicatum L.

Campanula L.

Calyx adnatus 5-partitus, sinibus saepe  
appendice auctis; corolla campanulata, lim-  
bo 5-loba, fundo clausa, filamentis basi di-  
latatis, puberulis sphaeris connatis; antherae liberae;  
ovar. furbinatum  
divco epigyno plano convexo; stigma  
3-5 fidum, laciniis linearibus, recurvatis.

capsula 2-3 locularis, lateraliter foraminibus  
2 o 3 dehiscens.

Herbae perennes, variae biennes v. 6, fol. sparsa  
saepe heteromorpha, flores v. solitarii v. fasci-  
culati v. spicati, racemosi v. paniculati.  
(semper in florentia definita,) circuli v. albi.

- Campanula glomerata L.
- \_\_\_\_\_ cervicaria L. imbricatus fol. v. 3. v. 4. v. 5. v. 6. v. 7. v. 8. v. 9. v. 10. v. 11. v. 12. v. 13. v. 14. v. 15. v. 16. v. 17. v. 18. v. 19. v. 20. v. 21. v. 22. v. 23. v. 24. v. 25. v. 26. v. 27. v. 28. v. 29. v. 30. v. 31. v. 32. v. 33. v. 34. v. 35. v. 36. v. 37. v. 38. v. 39. v. 40. v. 41. v. 42. v. 43. v. 44. v. 45. v. 46. v. 47. v. 48. v. 49. v. 50. v. 51. v. 52. v. 53. v. 54. v. 55. v. 56. v. 57. v. 58. v. 59. v. 60. v. 61. v. 62. v. 63. v. 64. v. 65. v. 66. v. 67. v. 68. v. 69. v. 70. v. 71. v. 72. v. 73. v. 74. v. 75. v. 76. v. 77. v. 78. v. 79. v. 80. v. 81. v. 82. v. 83. v. 84. v. 85. v. 86. v. 87. v. 88. v. 89. v. 90. v. 91. v. 92. v. 93. v. 94. v. 95. v. 96. v. 97. v. 98. v. 99. v. 100.
- \_\_\_\_\_ repunculoides L. imbricatus fol. v. 3. v. 4. v. 5. v. 6. v. 7. v. 8. v. 9. v. 10. v. 11. v. 12. v. 13. v. 14. v. 15. v. 16. v. 17. v. 18. v. 19. v. 20. v. 21. v. 22. v. 23. v. 24. v. 25. v. 26. v. 27. v. 28. v. 29. v. 30. v. 31. v. 32. v. 33. v. 34. v. 35. v. 36. v. 37. v. 38. v. 39. v. 40. v. 41. v. 42. v. 43. v. 44. v. 45. v. 46. v. 47. v. 48. v. 49. v. 50. v. 51. v. 52. v. 53. v. 54. v. 55. v. 56. v. 57. v. 58. v. 59. v. 60. v. 61. v. 62. v. 63. v. 64. v. 65. v. 66. v. 67. v. 68. v. 69. v. 70. v. 71. v. 72. v. 73. v. 74. v. 75. v. 76. v. 77. v. 78. v. 79. v. 80. v. 81. v. 82. v. 83. v. 84. v. 85. v. 86. v. 87. v. 88. v. 89. v. 90. v. 91. v. 92. v. 93. v. 94. v. 95. v. 96. v. 97. v. 98. v. 99. v. 100.
- \_\_\_\_\_ latifolia L. imbricatus fol. v. 3. v. 4. v. 5. v. 6. v. 7. v. 8. v. 9. v. 10. v. 11. v. 12. v. 13. v. 14. v. 15. v. 16. v. 17. v. 18. v. 19. v. 20. v. 21. v. 22. v. 23. v. 24. v. 25. v. 26. v. 27. v. 28. v. 29. v. 30. v. 31. v. 32. v. 33. v. 34. v. 35. v. 36. v. 37. v. 38. v. 39. v. 40. v. 41. v. 42. v. 43. v. 44. v. 45. v. 46. v. 47. v. 48. v. 49. v. 50. v. 51. v. 52. v. 53. v. 54. v. 55. v. 56. v. 57. v. 58. v. 59. v. 60. v. 61. v. 62. v. 63. v. 64. v. 65. v. 66. v. 67. v. 68. v. 69. v. 70. v. 71. v. 72. v. 73. v. 74. v. 75. v. 76. v. 77. v. 78. v. 79. v. 80. v. 81. v. 82. v. 83. v. 84. v. 85. v. 86. v. 87. v. 88. v. 89. v. 90. v. 91. v. 92. v. 93. v. 94. v. 95. v. 96. v. 97. v. 98. v. 99. v. 100.
- \_\_\_\_\_ rotundifolia L. imbricatus fol. v. 3. v. 4. v. 5. v. 6. v. 7. v. 8. v. 9. v. 10. v. 11. v. 12. v. 13. v. 14. v. 15. v. 16. v. 17. v. 18. v. 19. v. 20. v. 21. v. 22. v. 23. v. 24. v. 25. v. 26. v. 27. v. 28. v. 29. v. 30. v. 31. v. 32. v. 33. v. 34. v. 35. v. 36. v. 37. v. 38. v. 39. v. 40. v. 41. v. 42. v. 43. v. 44. v. 45. v. 46. v. 47. v. 48. v. 49. v. 50. v. 51. v. 52. v. 53. v. 54. v. 55. v. 56. v. 57. v. 58. v. 59. v. 60. v. 61. v. 62. v. 63. v. 64. v. 65. v. 66. v. 67. v. 68. v. 69. v. 70. v. 71. v. 72. v. 73. v. 74. v. 75. v. 76. v. 77. v. 78. v. 79. v. 80. v. 81. v. 82. v. 83. v. 84. v. 85. v. 86. v. 87. v. 88. v. 89. v. 90. v. 91. v. 92. v. 93. v. 94. v. 95. v. 96. v. 97. v. 98. v. 99. v. 100.
- \_\_\_\_\_ perfoliata L. imbricatus fol. v. 3. v. 4. v. 5. v. 6. v. 7. v. 8. v. 9. v. 10. v. 11. v. 12. v. 13. v. 14. v. 15. v. 16. v. 17. v. 18. v. 19. v. 20. v. 21. v. 22. v. 23. v. 24. v. 25. v. 26. v. 27. v. 28. v. 29. v. 30. v. 31. v. 32. v. 33. v. 34. v. 35. v. 36. v. 37. v. 38. v. 39. v. 40. v. 41. v. 42. v. 43. v. 44. v. 45. v. 46. v. 47. v. 48. v. 49. v. 50. v. 51. v. 52. v. 53. v. 54. v. 55. v. 56. v. 57. v. 58. v. 59. v. 60. v. 61. v. 62. v. 63. v. 64. v. 65. v. 66. v. 67. v. 68. v. 69. v. 70. v. 71. v. 72. v. 73. v. 74. v. 75. v. 76. v. 77. v. 78. v. 79. v. 80. v. 81. v. 82. v. 83. v. 84. v. 85. v. 86. v. 87. v. 88. v. 89. v. 90. v. 91. v. 92. v. 93. v. 94. v. 95. v. 96. v. 97. v. 98. v. 99. v. 100.
- \_\_\_\_\_ patula L. imbricatus fol. v. 3. v. 4. v. 5. v. 6. v. 7. v. 8. v. 9. v. 10. v. 11. v. 12. v. 13. v. 14. v. 15. v. 16. v. 17. v. 18. v. 19. v. 20. v. 21. v. 22. v. 23. v. 24. v. 25. v. 26. v. 27. v. 28. v. 29. v. 30. v. 31. v. 32. v. 33. v. 34. v. 35. v. 36. v. 37. v. 38. v. 39. v. 40. v. 41. v. 42. v. 43. v. 44. v. 45. v. 46. v. 47. v. 48. v. 49. v. 50. v. 51. v. 52. v. 53. v. 54. v. 55. v. 56. v. 57. v. 58. v. 59. v. 60. v. 61. v. 62. v. 63. v. 64. v. 65. v. 66. v. 67. v. 68. v. 69. v. 70. v. 71. v. 72. v. 73. v. 74. v. 75. v. 76. v. 77. v. 78. v. 79. v. 80. v. 81. v. 82. v. 83. v. 84. v. 85. v. 86. v. 87. v. 88. v. 89. v. 90. v. 91. v. 92. v. 93. v. 94. v. 95. v. 96. v. 97. v. 98. v. 99. v. 100.

Vacciniae.

Calycis tubus ovario adhaerens, limbus 2-5-6 partibus  
divisus v. persistens; corolla epigyna, gamopetalis,  
4-5-6 lobis, decidua, aestivatione imbricata,  
saepemodum laciniis corollae duplo, epigynae,  
liberae v. monadelphae; antherae erectae, bi-  
loculares, loculis apice divergentibus, in tubulum  
apice perforatum, productis, (duplo v. horum Pi-  
cornes L.) ovarium adnatum, diviso epigyno v. o-  
vato, 4-5-6 loculis; placentae centra-  
les, multiloculares; stylus simplex; baccas  
pluriloculares, loculis pluri v. variis mo-  
dopernis; embryo in axi albuminis carnis-  
si rectus, f

Frutices v. suffrutices, fol. sparsa, simpli-  
cia integra, coriacea, semper vixentia, ex-  
squamulata; fl. axill. et terminal. solitarii  
v. racemosi, bracteati.

Vaccinium L.

Calycis tubus ovario adnatus, limbus  
4 v. 5 dentatus, varius integer, corollae urce-  
olatae v. campanulatae v. globosae, v. rotatae (Oxycoccus?)

Nam, 8-60

limbo  
ante circum epigynum inserta; antherae  
bicornes, apice biporae, deorsu biaristatae  
o  
hecca globosa, 4-5 locularis, locu-  
lis polyspermis; sem. minuta.

Frutices v. suffrutices; fol. parva, simplicia,  
via, integra, coriacea et perennantia.

- Facinianum Myrtillus? L. <sup>Spindel v. Spring L.</sup>
- uliginosum L. <sup>Winkel v. Schreb.</sup>
- Vitis idaea. L. <sup>Winkel v. Schreb.</sup>
- Oxycoecos L. <sup>(L. Schum.)</sup>
- syn. Gutt. Schollera.

Ericineae.

Calyx 4-5 partit., persistens; tubo ad ovario libero  
corolla perigyna aut subhypogyna, gemmae  
bala aut rarius 4-5 petala; aestivatione im-  
bricata, stamina numero petalorum ae-  
qualia v. dupla a corolla libera v. sublibera,  
antherae 2 loculares, corneae, loculis basi aut  
apice divergentis, saepe appendiculis, biporae  
sae, ovarium liberum, basi diviso hypogynis circum-  
scissis simplex, capsula pluri locularis, vomice de-  
hiscente, polysperma, rarius fructus baccatus.  
sem. 2 in placentis centralib., panga, tanta  
nucleo arte adhaerente, embryo teret rectus in  
axi albuminis carnosus;

Frutices v. arb. plerumq. perennantes,  
fol. parva; opposita v. verticillata, simplicia  
integerrima, sessipulata, inflorescentiae variae  
pedicellis 2- multi bracteatis.

- Corolla gamopetala
- Fructus baccatus
- capsula
- corolla quadrifida
- Corolla pentapetala
- quadrifida
- Arctostaphylos
- Andromeda
- Caluna
- Lejum.

Arctopaphylos Acaupon.

Calyx 5-partit., persistens corolla globosa s. campanulata, limbo 5-fido reflexo, decidua; stam. 10 hypogyna, antherae biparasitae, dorso 2 aristatae nucularum subglobosum, 5 pyraenium, pyraenium 1-spermis.

Frutices v. suffrut. fol. parva, coriacea, racem. terminalis, flores pedicellati, bracteati.

Ind. officinalis (Grabowsky)

Sp. — uva ursi.

Sp. Urtica: uva ursi L.

Andromeda L.

Calyx 5-partit., persistens corolla ovata, campanulata s. globosa, limbo 5-fido reflexo, decidua; stam. 10, hypogyna, antherae biparasitae, plerumq. muticae; capsula 5-locularis, 5-valvis, polysperma.

Frutices, fol. parva, saepe imbricata, coriacea; flores solit. racemosi s. paniculati, bracteati.

Ind. polifolia L.

calyculata L. var. Beringiana.

Sp. Cassandra calyculata.

— Argonia

Calluna . Calixbury.

Calycis sep. 4 corolla perperantia, corolla campanulata, profunde quadrifida; stam. 8 hypogyna; antherae biparasitae, dorso 2 aristatae; ovar. 4-loculare, pluriloculatum styli simplex, stigma subquadrilobum; capsula 4-locularis, 4-valvis, desepimentis 2 valvulis distinctis, columnae centrali adnatae, futuris oppositis, valvis alternis.

Fruticulus tenuissimus semper virens, fol. opposita persistia, subsaepe margine ciliolata, juniora quadrifaria sic bracteata, fl. racemosi, pediculi rosei v. albi.

Calluna vulg. Gunderbunt.

Ledum L.

Calyx viviparus, s. dentatus; pet. s. decidua, pau-  
lo hypogyna, antherae apice bipersonae unilocular  
ovar. s. - loculare, multi-ovulatum, stylus sin-  
plex, stigma integrum; capsula s. locularis, a basi ad  
apicem septis 5 quinque valvis, distepimentis e  
marginibus valvularum inter flexis, siccis per  
nicis s. ex apice columnae centralis dependen-  
ter; sem. s. viviparum.

Frutices; fol. parva viridia, margine revoluta  
puberula ferruginea, fl. terminal. umbellato cor-  
posi, albi; pedicellis basi bracteatis.  
Ledum palustre L.

Pyrolaceae

Si vivipari hypogynis nullis; femina tubulosa-  
articulata, articulo nucleum multum superan-  
te.

Herbae s. suffrutices plerumq. acaules, raris-  
sime aphylli; foliis orbiculatis v. oblongis  
saepe squamosis; floribus plerumq. racemosis  
raris politaris v. subumbellatis.

Pyrola L.

Calyx s. partit., pet. s. raris basi coherentibus, pau-  
lo hypogyna; antherae dorso perpendiculari, bipersonae, un-  
ilocular, aestival. reversae; capsula s. locularis, raris  
s. dehiscens valvulis basi apiceque columnae  
adnatis, medio septiferis.

Herbae basi lignosae v. suffrutices caules  
repetitis; fol. petiolata parva v. subverticillata  
raris sine nulla (Pyrola aphylla in Nordamerica)  
flore terminal. racemose umbellata v. poli-  
taria, albi s. purpurascens.

- Pyrola rotundifolia L.
- chlorantha Sw.
- media Sw.
- minor L. (hypoleuca)
- rosea Pursh
- P. pumila L.
- P. uniflora L.
- pyrola grandiflora Don
- pyrola umbellata L.
- pyrola chiocypifolia.

Monotropaceae

Calyx 5 sep. persipiens, corolla 5-petala, hypogynae, aest. imbricata, persipiens. Stam hypogynae, libera, numero petal. dupla, alternat, e sinu glandularum hypogynarum basin ovarii singularem ostia, antherae transversae dehiscentes, spuril, laculares. ovarium, 5-loculare, liberum, capsula 5-valvis valvulis medio dissepimentum inconspicuum basi columnae pentagonae adnatis generantibus, stylus simplex, stigma infundibuliforme, sem capsula, articulo tebuloso retrusulo inclusa, subglobosa, articulo multo minor, flores laterales tetragoni.

Herbae parasiticae, rhizomata <sup>briae</sup> aphylla, squamata, carnosae, coloratae, floribus racemosis decoloribus pallidis.

Monotropa L.

Calyx 5-sepal. sepalis planis, corolla 5-petal. pet. basi gibba, subcalcarata, intus nuda, fere.

M. hypopitys gemmipetens  
Syn. Hypopityi multi. flore.

Primulaceae

Primula officinalis  
- farinosa

Asclepiadeae

Calyx liberus, 5-partit, persipiens, corolla gamopetala hypogynae, regularis, 5-fida 5-partita, aestivas. contorta v. valvata, decidua, saepe coronata. Stam 5. basi cordatae insertae, fil. dilatati saepe connati pollen in massam l-2o coalescens, corpusculis glandulis affixat. ad angulos gynostegii pentagoni, dilatati ovaria tegentis, stiles, ovaria 2 styli 2 breves, stigma connate sub gynostegio, folliculi 2. rarius connati v. altero abortivo foliolarum placenta futurae applicatae demum liberae sem. imbricata, pendula, saepe comata.



albumen tenue, embryo rectus; radicle ad  
filam usq

Frutic. v. herbac. & caetercentes; fol. opposita  
rarin verticillata rarissime parva, integerrima,  
indivisa, cespitulata; flori paniculati v. sub  
umbellati.

Cynanchum Rob. Br. (Asclepias L.)

Calyx 5 partit, corollae subrotatae, 5 partitae, coro-  
na tubo filam. inserta, 5-20 divisa, laciniis  
5 divisa antheris oppositis; antherarum membrana  
seru., massae pollinis binae pedunculatae, sti-  
gma apiculatum rarin nudum, folliculi 2  
coeloc, semina conosa.

Herbac. & v. suffruticosa, erecti v. volubiles, folia  
opposita, pedunculi axill. multiflori, fl. umbellati  
cymosi v. racemosi.

Cynanchum Vincetoxicum.

Gentianeae.

Calyx liberus 5 fid. parvae 4-8 fid. persistens; corolla  
gamopetala, hypogyna, 5 v. 4-8 fida, regularis, aestivat.  
contorta v. in Menyanthes induplicata, marcescens; haec  
tot lobis caeruleis corollae, iis alternas corollae in-  
sertae, antherae liberae v. rarin cohaerentes  
ovar. simplex; styli duo ex parte v. omnia  
connecti; stigmae. duo interdum lateraliter  
recurva, capsula polysperma, 2. valvis v. 1 locae.  
placentis marginal. v. parietalib. v. valvulis in  
traflexis bicocularis, placentis centralib. rarin  
bacia polysperma, embryo rectus in albumine  
carnoso.

Herbac. & v. v. rarin suffruticosa; plerumq glabrae  
fol. opposita integerrima v. in Menyanthes  
pa deactata aut lobata aut pita, semper cespitu-  
lata, in florentiae variae; fl. ignei lutei v.  
purpurei.

Folia opposita v. aequalia contorta  
 stylus distinctus, deciduus  
 antherae denum contortae . Erythraea  
 stylus perspicuus  
 antherae rectae  
 foecae neclariiferi. corolla nullae Gentiana  
 corolla foveolata — Swertia  
 Folia parva v. aequalia induplicate — Menyanthes.

Erythraea, Richard.

Calyx 4 v. 5 partit. corolla infundibuliformis fauce  
 contracta, limbo 4 v. 5 partito; antherae erectae  
 denum spirales; stigma 2 lamellatum aut 2 div. fusi,  
 cum stylo deciduum; capsula subbilocularis, bi-  
 valvis, polysperma.

Herbae plerumq. 6 v. biennet, erectae, ramiferae  
 fol. opposita; fl. cymosi v. subspicati plerumq.  
 rosei, rarius lutei.

- 1 E. centaurium Persoon.
- litoralis. Fries.

Gentiana L. emend.

Calyx 4-8 fid v. partit. v. hinc fissus, patens; co-  
 rolla tubus cylindricus v. campanulatus, limbo 5 v.  
 4-8 fidus; stam. tot quot laciniis corollae; antherae  
 liberae v. cohaerentes; stigma 2. Terminal. revoluta  
 aut 2 unum infundibuliforme conata; divisus  
 hypogynus nullus; capsula bilocularis, 2. valvis;  
 placentae cum marginibus valvularum intro-  
 flexis conatae.

Herbae 6 v. 4 plerumq. glaberrimae, fol. oppo-  
 sita, integerrima; fl. solitarii, terminali et axill.  
 v. fasciculati v. cymosi.

- 1 Gentiana cruciata L.
- pneumonanthe L.
- stracapilla L. figend. Bonn.
- Livonica Ephem. quasiind. Gyn.

Swertia L.

Calyx 5 partit; corolla rotata, laciniis basi.



Cappula 3-lobularis, 3-valvis, valvis medio pph.  
pries, polyperma,

Herbae 4, erectae; fol. pinnatis-pecta; fl.  
cymos paniculati, caerulei v. varian-  
ter albi.

1 Pol. caeruleum.

Convolvulaceae.

Calyx lob. 4-5 saepius 5 f. d. persispat; corollaeque  
petala, hypogyna, regularis, 4-5 lobae, aestival.  
plicato contorta, decidua; stam. 5, fructu  
corollae inserta, lobis alterna. ovarium  
liberum diviso hypogyno insertum, 2-4  
loculare, loculis parvis ovulatis, ovulis  
erectis; stylus saepe partitus; cappula 2-4  
valvis, valvulis a margine divisi ventorum  
soluto v. circumscissa v. indehiscens; fru-  
tus in basi angulorum centralium affixa, parce  
albaminosa v. exalbuminosa; embryo curva-  
tus, cotyledon. b. corrugatis in luventis nullis

Herbae erectae roratae v. scandentes rarius  
frutices, saepe lactescentes; fol. sparsa, oppri-  
pulata, in arceutis parafitis nulla, fl. axill.  
solitarii, cymosi v. glomerati.

Convolvulus L.

Cal 5 partit, lobateatus v. bibracteatus; corolla infundibuliforu-  
caumpaulate, angulato-5lobae, 5-plicata; stam 5, corolla breviora;  
stylus indivisus. Stigmat 2, cylindraceo-filiformia; cappula  
2-3 lobularis, loculis 1-2 spermis, cotyledones corrugatae

Herbae v. erectae v. prostrumbentes, repentes v. saepius  
volubiles, rarius frutices spinati; fol. sparsa, integra  
lobata, inusa v. partite, pedunculis axillares, uniuel  
multiflori.

- C. sepium L.
- Sp. Caly. Megia sepia R. Br.
- Convol. Soldanella?
- C. arvensis L.

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Cuscuta. L.

Cal 4-sfid. cor. camp. v. urceolata, 4-sfida, tubo  
intus plerumq. squamato, styli 2 v. 1, capsula circum-  
scissa, oligosperma; embryo spiralis, acotyledoneus.  
Herbae parasiticae, aphyllae, decolores; flori-  
bus glomeratis v. spicatis.

Cuscuta europaea. L.

Borragineae.

Asperugo L.

A.) Genera nuncibus 4, stylo adnatis.

Cal. sfid. fructifer compressus, lamellis planis, pa-  
rallelis, sinuatis; corolla subrotata, fauce fornicib.  
clausa; stam. inclusa; stigma integrum, nubes 4, com-  
presae, latere angustiore stylo adnatae.

Herba annua; caulis ramosi, quadrangul. pro-  
cumbentes, recurvato-aulati; fol. parva v. bina, ternis  
quaterna, approximate, hispida; fl. axill. v.  
extraaxill., solitarii v. plures, purpureo-violacei; pe-  
dunculi fructiferi, reflexi.

A. procumbens. L.

Echinoppermum Swartz.

Cal 5-partit, corolla hypocraterimorpha, fornicibus  
convexis clausa; stam. inclusa; stigma obtusum;  
nubes 4, 3-quetrae, margine globidato-nuricatae.

v. crispatae, angulo dorsali ptylo adnatae.

Herbae 0 biennes v. h. erectae, ramosae, hirsidae  
v. pilosae; fol. sparsa, sublingulata, integerrima; cymae  
scorpioidae, saepe bracteatae, fl. coerulei.

*Echinoperrum Lappula* Schum. & Thonn.

*H. ligulatis Lappula* L.

### Cynoglossum L.

Cal. 5-partit; corolla hypocraterimorpha; tubo brevi,  
fauce fornicib. 5 obtusis coarctata; stam. inclusa; stigma  
obtusum; nuxes 4, depressae, muricatae, margine  
obtusae v. margine proprio prominente cinctae, dor-  
so ptylo adnatae.

Herbae 0 v. biennes, erectae, molli ter pilosae; fol.  
sparsa, integra; cymae scorpioidae, bracteatae; fl.  
sanguinei v. albi.

*C. officinale* L.

B. Genera unibus 2 liberis:

### Anchusa L.

Cal. 5 fid. corollae infundibulif., tubo erecto, limbo aequali,  
fauce fornicib. obtusis, prominentib. velutinis v. hirsutis  
clausa; stam. inclusa; stigma capitatum; nuxes 4 liber. basi  
excavatae, areola margine tumido, plicato, striato cincta.

Herbae erectae, ramosae, hirsidae v. pilosae; fol. sparsa  
integerrima v. denticulata; cymae scorpioidae, bracteatae,  
fl. azurei, violacei v. variis flavescens.

*Anchusa officinalis* L.

### Lycopsis L.

Cal. 5-partit; corolla infundibulif., tubo curvato, limbo obliquo  
irregulari; fauce fornicib. 5 obtusis, hirsutis clausa; stam.  
inclusa; stigma obtusum; nuxes 4 liberae, basi excavatae,  
areola margine tumido, plicato, striato cincta.

Herbae 0 habitu Anchusae; flores coerulei.

*L. arvensis* L.

### Symphytum L.

Cal. 5 fid. corolla tubo cylindrico, limbo campanulato  
fauce fornicib. 5, subulatis, in communem prominentib.  
margine glanduloso-dentatis, clausa; stam. in-  
clusa; stigma simplex; nuxes 4 lib. basi excavat. areole  
margine tumido plicato-striato cincta.

Herbae 4, erectae, hispidae v. pilosae; fol. inferiora saepe cordata; cymae scorpioidae, bracteatae; flor. albi, ochroleucii v. violaci.

Symphytum officinale L.  
var. — patens Sibthorp.

### Echium L.

Cal. 5-partit, inaequalis; corol. campanulato-infundibulif. & tubo breviter fere ampliato, limbo 5-lobo, saepe irregulari; fauce fornicibus destituta; stam. inaequalia, exserta; stylus plerumq. apice bifidus; nubes 4, area basilari, triangulari, plana affixae.

Herb. v. frutices, raro arbores, setosa hispidae; cymae scorpioidae in thyrsium dispositae; bracteatae; fl. corol. viol. ros. v. albi.

Echium vulgare L.

### Pulmonaria L.

Cal. 5-fidus, 5-lobus, campanulatus; cor. infundibulif. limbo regulari; fauce fornicibus destituta, pilosa; stam. inclusa; stigma capitellatum; nubes 4, lib. areola plana.

Herb. 4, pilosae v. hispidae, caules simpliciter; fol. radicaria saepe difformia; cymae scorpioid., geminatae, bracteatae; flores plerumq. corol. v. ros. varicoloros, rarius albi.

Pulmonaria officinalis L.

### Lithospermum L.

Cal. 5-partitus; cor. infundib., limbo regulari; fauce aperta, nuda v. pilosis v. fornicibus pubescentibus paulo coarctata; stam. inclusa; stigma emarginatum; nubes 4, lib. areola basilari, plana.

Herb. v. suffrutices, strigosa v. sericeo-pilosae; flores axill. breviter pedunculati, spicas foliatis referentes, albi, caerulei v. violacei.

Lith. officinale L.

duense L.

### Myosotis L.

Cal. 5-fid. v. 5-dentat. cor. hypocrateriiformis, limbo plano, regulari; fauce fornicibus, glabris clausa; stam. inclusa; stigma capitellatum; nubes 4 lib. antice convexae, laeves, postice carinatae, area subbasilari minuta, punctiformi.

Herbae 4 biunni. v. 6, striguloso-pilosae; fol. parva, lanceolato-lincolata; cymae scorpioidae, subgeminatae, plerumque ebracteatae; flor. caerulei v. variae albi, rarius varicolor.

Myosotis palustris L.

caespitosa Schultz

intermedia Link.

versicolor. Person.

stricta Link

} calyce adpressis piloso.

} calyce pilis patulis, basilari b. uncinatis, patentissimis.

(d.)

Verbaicum L.

Calyx 5 partit, corolla rotata limbo 5 lobo in aequali  
pam 5, in aequalia, duo in fertora, longiora, de  
clinata, omnia fertilia; fol. omnib. v. tribus  
parvatis; antherae reniformes 1-buculares,  
capsula apice septicide bi-valvis, valvis pennisif.  
sis.

Herbae plerumq. biennes; fol. sparsa, saepe decur  
rentia, tomentosa - floccosa; fl. fasciculati,  
racemosi - spicati; flavi v. violacei

Y. Thapsus L.

- nigrum L.

Leptochloria L.

Cal 5 fid. subregul. corolla tubo ventricos-globoso, limbo abbreviato  
bi-labiato, labio superiore bipartito, erecto, inferiore 3-partito breviora,  
lubo medio reflexo; pam 4, didynamia, plerumq. cum rudimento quinti; anth.  
rectif. 1-bucular. capsula superne septicide bi-valvis, polyperma.

Herbae 4 v. suffruticos, caulis quadrangularis; fol plerumq. opposita, in  
tegra v. divisa; cymae axill. bi- multi-florae, interdum in thyrsium dispositae  
flores fusi curidi, purpurei, virescentes v. flavi.

Sc. nodosa L.

Digitalis L.

Sc. aquatica L.

Cal 5 part. laciniis superioribus minores, subinaequalis; cor. e basi tubulosa, vel  
trisp. camp. limbo 5-4 fido, labio sup. amarginato 2 dent. inferiore trilobo,  
lubo in medio magis producto, supra barbato, pam. didy  
ma, fundo corollae inserta, anther. biculi divaricati; stigma  
bifidum, capsula marginibus valvularum reflexis, bito  
cularis, placenta superne libera.

Herbae rarius suffruticos; fol sparsa, integra; racemi ter  
minales bracteati, secundi; fl. purpurei, flavicau  
tes, etc.

D. grandiflora Lam. sultan. (Porkunfip)

fol. ambigua —

Linaria Tourn.

Calyx 5 partit. subirregularis; corolla perforata, bila  
biata, basi calcarata, labio inferior, trifido, pala  
to inflato, prominente, faucem claudente, supe  
riore bifido v. bipartito; pam. didynamia; an  
therae reniformes, biculares; capsula subglo  
bosa, apice in valvulas duas dehiscens, rema  
nente arca pylifero, dispersum tegente



Solanaceae

Calyx liber, 5 rar. 4 v. 6 fidus, persistens v. circumscissus  
fructifer saepe auctus: corolla hypogynae gamopetalae  
quinque rar. 4-6 fid. aestivatione plicato-sarvate  
filam 5 rar 4-6, corollae tubo inserta, laciniis al-  
bernae; antherae liberae, exel apicibus connatae  
longitudinaliter dehiscentes v. biporofae. ovarium  
2-loculare v. incomplete v. complete 4-loculare,  
rarius per excessum 3-5-loculare, multiloculatum; sty-  
lus terminalis, simplex; stigma indivisum, v. oblique  
2-3-5 lobum, capsula 2 rarius plurilocularis, septi-  
cideo 2-4 valvis v. operculata, v. bacca pulposa  
aut exsucca; sem. 2, albumen carnosum; em-  
bryo periphericus v. spiralis, radícula ad hilum  
versa v. axillis, rectus, radícula ab hilo remota.

Herbae 0 4 frutices v. arbores, caule ramisq.  
angulatis; fol. parva, simplicia, integra et lobata  
superiore saepe geminata, exstipulate; florum  
extra axillares.

Fructus baccatus  
Antherae biporofae " Solanum  
longitud. dehisc. Atropa

Fructus capsularis:  
Septide dehiscens, 4-valvis Satura  
circumscissa, operculo dehis. Hyoscyamus.

Solanum L.

Calyx 5 fid. persistens, corolla rotata, limbo plicato,  
plico; filam. 5; antherae connuantes, inter-  
dum connatae, apice biporofae. Stigma simplex, bac-  
cae globofcae, 2-loculares, polypermae; sem. compressa  
reniformia, embryo periphericus v. spiralis

Herbae 0 4 v frutices saepe auleati; fol. parva  
v. quinata, integra v. divisa; fl. terminal cymosi v.  
extra axillares.

- Solanum nigrum L.
- Dulcamara L.
- humile } ?
- villosum } ?
- miniatum } ?

Atropa L.

Calyx 5 partit., demum patens, laciniis perpendicularibus.  
corolla campanulata, ventricoso-ovata, limbo 5-fido,  
patulo, laciniis subaequalibus. fil. 5 filiformi,  
basi conniventia, superne diffracta, cum stylo  
declinata; antherae longitudinal. dehiscens,  
stigma capitatum, bava globosa, bicellulari,  
polyperma; sem. reniformia;

Herbae 4, fol. geminatis, integris; fl. axillares  
v. extraaxill., solitarii; pluridi.

A. Belladonnae. pultan.

Hyoscyamus L.

Calyx campanul. partit. quinquelob. corolla  
infundibuliformis, tubo brevi, limbo erecto,  
patulo, obliquo, 5-lobis, lobis obtusis, stam. 5  
tubo inserta, declinata; antherae longitudi-  
naliter dehiscens, stigma capitatum, capsula  
basi ventricosa, superae in collum contracta,  
circumscissa; sem. compressa, reniformia

Herbae 3, 4 v. fruticosa; fol. sparsa, integra v.  
pinnato-dentata; fl. axillares solitarii s. suba-  
pitati; corollae luridae, aureae s. violaceae.

H. niger L.

Satura L.

Calyx tuberosus, limbo 5-fido, deciduus fundo  
orbiculari perpendiculari; corolla infundibuliformis  
limbo plicato, 5-lobis; stam. 5. antherae longitud.  
dehiscens; stigma bicamellatum; capsula 4 valvis,  
4 cellularis, loculis bipartitis, polyperma; sem. reni-  
formia.

Herbae 0 v. fruticosa et arbusculae, dichoto-  
me ramosae; folia sparsa, plerumque pi-  
nnato dentata, flores axillares solitarii,  
albi, rubi v. violacei;

S. Stramonium L. nappinal ninyfidi.

(C.)

### Scrophulariinae

in Umbelliferae cum Lachen 20 0. Labiatae. <sup>stipulae hinc</sup>  
Aegy. in des. fistulis 2. <sup>quintessentia</sup> Thall. von 3. <sup>Sten.</sup> 200 p. 10.

Calyx liber, persistens, 5 & 4 fidus, saepe inaequalis, saepe inaequalis, corolla hypogyna gamopetalala, pentamera, limbo plerumq. bilabato, labio superiore 2 inferiore trilobo, rarius subaequali, aspiratione intricata, pauc. corollae tubo inserta, tipicae 5, albae postea sepe per pauca, 4, didynama v. duobus lateralibus aut duob. anterioribus anantheris aut omnino deficientibus. duo, antherae bi-loculares, loculis parvulis v. divaricatis v. oppositis et tunc confluentibus; ovarium bi-loculare, 2-carpellare, 2 loculare rarius 1-loculare, multiloculatum, stylus terminalis, simplex; stigma simplex v. bilamellatum, capsula rarius 1-locularis, bilocularis plerumq. bivalvis, varie dehiscens; placenta centralis, coordinatis; sem. plurima, rarius numero deficiunt; embryo in axi album. curvatus v. parum curvatus, homotropus.

Herbae v. suffrutices; fol. parva opposita v. verticillata, expulata, fl. v. axillares, fol. terminales spicati v. racemosi v. terminales cymposi

Antherae 1-loculares

Stam. 5

— 4, didynama

Verbascom.

Scrophularia.

Antherae 2-loculares

Stam. 2

— 4 didynama

Veronica.

corolla 5 fida subregul.

Limosella.

— bilabata:

calcarata

Linaria.

calcarata:

campanulata

Digitalis.

singens:

Capsulae loculis polyspermis

sem. compressa, marginata.

Rhizanthus.

sem. emarginata.

capsula obtusa emarginata

antheris 2 calcaratis Euphrasia.

capsula acuminata

omnib. mucronatis, Odontites.

capsulae loculis 1-2 spermis

Pedicularis.

Melampyrum.

U.

valvulae integrae v. rufida; sem 8

Herbae interdum repentes; fol. sparsa, opposita v. verticillata; fl. racemosi, rarius axillares, foliis ternis, flavi, purpurei v. verticillares.

Linaria vulgaris Hill.

Veronica L.

Calyx 4-5 partit, irregular, corolla pubrotata, limbo 4-fido, lacinia superiore latiore; spand, tubo corollae inserta, divergentia; antherae biloculares, loculis appropitis; stigma integrum, capsulae emarginatae biloba, rarius subglobosa, dissepimento contrarie compressa, loculicido bivalvis, oligo v. polysperma; sem. connexo-plana v. navicularia.

Herbae v. frutices; fol. opposita, verticillata rarius sparsa, racemi terminales v. axillares v. flores axill. foliis ternis plerimq. caerulei.

Veronica *sp. stellata* L. *anagallis* L. *breucalunga* L. *chamae* V. *virgideobrunnea* L. *dris* L. *aff. icinal.* L. (*calceolipig*) *propinata* L. (v. *Burgen* in *sp. in h. q. d.*) *latifolia* L. (v. *alle* *puber.* *racemi* *axillares*) *racemi* *terminales* *puber.* *longifolia* L. *spicata* L. *perfoliata* L.: (*alle* *in h. q. d.* *germinans*) *bracteata* L. *arvensis* L. *verna* L. *triphyllos* L. (*petra*) *agrestis* L. *polita*? *frut.* *opaca*? *frut.* *hederifolia* L.

Linopha  
S. *equitica*

Odontites. *Dybis*.

Calyx campanulatus, subaequaliter 4-fidus; corollae ringentis galea compressa, labium inferius 3-partit, laciniis distinctis; antherarum bicus, exserti; aequaliter terminati; ovarium glandula biloculare, multiloculatum, capsula avato-oblonga, obtusissima v. emarginata, compressa, loculido-bivalvis, polysperma; sem. oblique oblonga, aequaliter proscata, praeexalatis.

Herbae v. brennes, erectae; fol. opposita, sessilia, serrata v. incisiva, spiculae terminales bracteatae flores rubentes v. flavi

*Od. rubra*. *ad. verna* Reichb. *frut. ferotina* Reichb. *frut.* *obliqua* *longifolia* *perfoliata*.

Euphrasia L.

Calyx tubulosus v. campanulatus 4-fidus v. 2-decalatus

corolla ringens, labio superiore planiusculo v. concavo, saepe emarginato v. subgaleato, lateribus reflexis, inferiore 3-fido plano, laciniis emarginatis; antherarum loculi in antheris & multici in alteris duabus calcaratis inclusi; ovar. capsula et sem. ubi praesente.

Herbae & erectae; fol. opposita, sessilia, crenata, serrata incisa, spicae terminales, bracteatae; flor. albi, purpureo - striati, flavi - maculati.

*Euphorbia* aff. L.

var. *Euph. nemorosa*. Pruffen, Rhemus unguem Lohr.

*Pedicularis* L.

Calyx tubulosus v. ventricosus, irregulariter 5-dentat, saepe latere fissus, integrus v. spatulatus; corolla ringens, galea subcompressa, labium inferius 3-fidum; antherarum loculi rarisime multici; ovar. glandula fultum, 2 loculare, multiovalatum; capsula oblique ovata v. lanceolata, loculicido - superne dehiscens, loculis polypermis; sem. membrana reticulata / orbiculata, arcte involuta, striata.

Herbae & v. biennes, simplicis v. ramosae, raro subcaules; fol. sparsa, opposita v. verticillata; flor. spicati, racemose, rarisime solitarii, albi, flavi, purpurei.

*P. Scptum* L.

— *palustris* L.

— *comosa* L. var. *potamogeton*.

*Rhinanthus* L.

Calyx inflatus, 4-dentat., latere subcompressus; corolla ringens, galea compressa, labio superiore, trifido, plano; antheras. loculi multi; ovarium glandula fultum, 2 locul. multiovalat. capsula orbiculata, compressa, loculicido - bivalvis, polyperma, sem. ala orbiculari cineta.

Herbae erectae ramosae & fol. opposita, sessilia  
flores in spicis oppositi, flavi, saepe violaceo  
maculati.

*R. crispus* galli Ehrhard.

— *minor*. Ehrd.

Melampyrum L.

Calyx tubuloso-campanulatus 4fid. cor. ringens, galea compressa, margine reflexa; lab. inf 3-fid. sulcatum, adhaerens. lobi uncinati glandula ad basin baccis 2 locul. loculis bi-ovulatis, capsula a latere compressa, loculi cido dehiscens, loculis 1-2 spermis, sem. laevia.

Herbae 0; fol. opposita, caulina, integerrima, pubescentia et bracteae pinnatis, peltatis laciniatis, saepe coloratae, fl. axillares, solitarii, saepe gemini, albidi aut flavesc.

Melampyrum scirpatum L. fultan. (Pall.)

- \_\_\_\_\_ avense L.
- \_\_\_\_\_ memorosum L.
- \_\_\_\_\_ pratense L.
- \_\_\_\_\_ pygmaeum L.

Menstr. Scroph. Scrophuleae.

Menstr. Scroph. Scrophuleae. Calyx 4 v. 5 fid., saepe hinc fissus, ut utriusq. fissus, corolla 4-5 fid. Scrophuleae. ovar. 1-loculare, placentis parietalibus; semina minuta, pinnata, albuminosa, utroque minimo, prope hunc pinnatus, pubescentibus, pubescentibus tylosoneis

Herbae in radicibus aliarum stirpium parasiticae, coloratae, apophyses, squamis carnosissimas, fl. raris, pinnatis, lobatis, plerumque racemosis, spicatis, praeter folium florale saepe bi-bracteolati.

Scrophuleae L.

Calyx 4 fid. v. bipartitus, sepalis saepius oppositis, corollae ringens, inferne carnosae, deniq. basi circumscripta remanente decidens; capsula 1-locul. placentis parietalibus oppositis, semina minutissima.

Herbae radicibus parasiticae, squamatae, coloratae, fl. terminali spicati, serpiculores.

O. Galii L. fultan.

sp. - Caryophyllaceae, Sm. t.

Lathraea L.

Calyx campanulatus 4fid. corolla ringens, basi integra, decidua, ovar. antica glandula libera fultan; capsula 1-locul. placentis parietalibus, solitariis v. geminis, semina minutissima.

Herbae carnosae, in radicibus parasiticae, squamatae, flores terminales spicato-racemosi.

1 L. Squamaria L.

# Labiatae.

Calyx liber tubulosus, persistens, 5 dentat, saepe 2-labiatus  
 Labia superiora, inferiore 2-lobo; cor. hypogynae, gamopetalae, pentagonae, irregularis, limbo plerumq. bilabiato, labio superiore bilabo v. integro, inferiore trilobo, aestivat. imbricata, Stam. corollae tubo inserta, typical 5, abortu pauciora, 4 didynama v. 2; ovaria 2, liber. Discus hypogynus inserta,iloculata, ovulo erecto, stylus simplex, in medio ovariorum e disco ortus; stigma bifidum, lobis inaequalib; nubes 4 calyce inclusa, monospermae; sem. subsessile minora; embryo rectus v. cariosome apice recurvus.

Herbae, suffruticosae v. frutices, caulis plerumque tetragoni, folia opposita rarius verticillata simplicia estripulata, flores in cymis axillarib. oppositis saepe contractis verticillos puris formantibus, dispersas v. in thyrsum spicatus approximatis, colore vario.

## Confpectus generum:

- |  |  |                      |
|--|--|----------------------|
| Stamina duo  |  |                      |
| Stamina 4  |  | <u>Lycopus</u>       |
| Calyx bilabiatus                                   |  |                      |
| Labia calycis integra, superiora gibbata           |  | <u>Scutellaria</u>   |
| Labium superius 3 inferius 2 fidum:                |  |                      |
| Stam. dispersa v. sublabio sup. convergentia:      |  |                      |
| verticilli bracteis spic. elongatis involucratis   |  | <u>Clinopodium</u>   |
| basi bracteolatis                                  |  |                      |
| Calyx basi gibbus                                  |  |                      |
| aequalis   |  | <u>Scinus</u>        |
| Stam. approximata parallela:                       |  | <u>Thymus</u>        |
| filamenta apice dentifera                          |  | <u>Prunella</u>      |
| edentula   |  | <u>Fraxocephalus</u> |
| Calyx subtrepensit 5 fidus:                        |  |                      |
| Stam. dispersa                                     |  |                      |
| antherae locul. paralleli                          |  | <u>Mentha</u>        |
| divergentes  |  | <u>Origanum</u>      |
| Stam. approximata, parallela:                      |  |                      |
| Calyx 5-nerviis:                                   |  |                      |
| labii inferioris lobus medius concavus, crenulatus |  | <u>Nepeta</u>        |
| planus, obcordatus                                 |  | <u>Glechoma</u>      |
| Calyx 10-nerviis                                   |  |                      |
| Labium corollae superius elongatum                 |  |                      |
| integrum, galeatum                                 |  |                      |
| antherae locul. paralleli                          |  |                      |
| labium inferius supra bigibbum                     |  | <u>Galeopsis</u>     |
| labium inferius aequale                            |  | <u>Leonurus</u>      |

antherae loculi divergentes;  
nucce apice truncatae  
labii inferioris lobis medio b. lobo  
integro  
nucce apice rotundatae.

4 Lamium  
4 Galeobdolon.

flav. esparta, denum deorsum flexa  
— pubinclufa directione domum unitate.

4 Stachys  
4 Petronica.

Labium corollae superius abbreviatum

4 Ajuga.

Lycopus L.

Calyx 5 dentat, cor. infundibularis 4 fida subaequa  
lis, fange laciniis superioribus emarginata, annulo pi-  
lorum in tubo nullo; flav. distantia, recta, diver-  
gentia, duo perfecta, antheras loculis parallelis,  
duo sterilia, filamentis brevib. capitellatis,  
nulla; nucellae obovatae, truncatae, laeves  
fol. in cap. dentata, v. e fida, verticilli axill.  
steriles, multiflori, densi; fl. minuti.

L. europaeus L.

Mentha L.

Calyx 5 dentat, corolla infundibularis, 4 fida subae-  
qualis, laciniis superioribus emarginata, annulo in tubo  
nullo; flav. distantia, recta, superne divergentia;  
antheras loculis parallelis, nucellae ovatae obtuse  
laeves, glabrae

Herbae erectae v. pro-  
cumbentes, fol. integra,  
verticilli multiflori  
remoti, spicati v. compacti.

M. aquatica L. floris parvis pedicellatis  
— arvensis L.  
— sylvestris L.

Brigantium L.

Calyx 5 dentat, v. oblique fissus, apice 3 dentat, in-  
tegr, corollae labium superius rectum, emarginatum  
inferius, trifidum, annulus in tubo nullus; flav. distan-  
tia, superne patula, connectivum dilatatum, sub-  
triangulare, antheras loculos conjungens; nucellae  
laeves;

Fol. integerrima v. denticulata, pinnae cylindricae v. ob-  
longae, bracteatae, bracteis imbricatis coloratis.  
flores parvi; O. vulgare L.

Thymus L.

Calyx 2 labiat, basi aequalis, fauce villis clausa; corollae  
labium superius rectum, emarginatum, inferius 3-fidum,  
annulus in tubo 0, flav. distantia, superne patula, an-  
theras loculi juncti, conjunctivo dilatato; nucellae laeves.

Suffrutti, parvi, microphylli; fol. integerrima saepe  
margine revoluta, verticilla proa, pauciflora  
remota v. spicato-aggregate. fl. pedicellati, purpurei.

Th. serpyllum L.  
— angustifolium Schrad.



Acinus Moench.

Cal. bilabiata, basi gibbus, fauce pilosus; corollae lab. sup. rectum, emarginatum, infer. 3-lobum; annulus in tubo 0; stam. distantia, sub labio sup. conniventia; antheras. loculi sejuncti connectivo dilatato, divergentes; nuculae subcompressae, laeves.

Herbae 0 v. 2, raris. suffruticos creta; fol. serrata verticillata proa, pauciflora, axill. remota, basi bracteolata; fl. pedicellati, purpureo caeruleascentes.

Calamintha acinos Acin. / A. vulgaris. Persoon  
Thymus acinos. L.

Clinopodium L.

Cal. bilabiata. fauce pilosus; corol. fauce inflata, lab. sup. rectum, emarginat, infer. longius, bifidum, annulus in tubo 0; stam. distantia, sub labio sup. conniventia; antheras. loculi connectivo dilatato sejuncti, divergentes; nuculae ellipticae, laeves; verticillata proa involuero e foliis staseis composito cincta.

Herbae 2; fol. integra v. dentata, verticillata proa, pauciflora remota; fl. purpureascentes v. variegati.

Cl. vulgare L.

Nepeta L.

Cal. tubulosa, 5 dentata; cor. lab. sup. planum, rectum, bifidum, infer. lacinia media rotundata, nulus in tubo 0; stam. approximata, sub labio corollae superiore parallela, deflorata, extorsum reflexa; antheras. loculi oppositi, rima longitudo lineali communi dehiscenter; nuculae breviusculae.

Herbae glabrae v. canescenti-tomentosae; fol. proa contracti, verticillata proa saepe spicatis; fl. veru- lei v. violacei.

N. cataractae L.

Glechoma L.

Cal. tubulosa, 5 dentata; cor. lab. sup. planum, rectum, bifidum, inferioris lacinia media obcordata, planum; annulus in tubo 0; stam. approximata, sub lab. sup. parallela; antheras. per paria in cruce distantia, infra apicem filamentum affixae, loculis deorsum divergentibus. nuculae laeves.

Herb. repens, fol. cordata reniformi, grosse crenata; axill. pauciflorae. Gf. hederacea. L.

Dracocephalum L.

Cal. tubulof. biciliat, labio superiore latiore, corollae labium sup. fornicatum, inferioris lacinia intermedia obcordata; fauces inflatae, annulus in tubo, spam. approximata; sub lab. sup. parallela, antrosum curvata; antheras. loculi oppositi, rima longitudinali communi desiccantes; nubes laeves.

Herb v. h. foliis cordato-oblong, raris form. crenatis p. linearib. integerrimis; bractea saepe magnae, coloratae raris integerrimae; verticillatae sulpicatae; fl. caeruleis, variantes albi.

Dr. Ruyfshiana L. fr. hederacea. p. h. g.

Lanium L.

Cal. oblique & dentat. dentib. patentis finis; cor. lab. sup. fornicat, inferioris lacinae laterales minime denticiformes v. o. media dilatata, bifida; annulus pilorum in tubo corollae; spam. sub lab. sup. parallela; antheras. loculi oppositi, rima longitudinali communi desiccantes; miculae extus convexae, intus acutangulae, laeves v. minute-tuberculatae.

Herb v. h. fol. crenato-dentata, verticillata asplia, remota; fl. purpurei v. albi.

L. amplexicaule L.

- purpureum L.

- album L.

- rubrum v. maculatum?

Galeobdolon Hudson.

Cal. oblique spid., cor. lab. sup. fornicatum, labio inferioris lacinae omnes accutae; annulus pilorum in tubo corol.; spam. sub lab. sup. parallela; antheras. loculi oppositi, rima longitudinali communi desiccantes; nubes ut in Lamio.

Herbae habitu Lamii, florib. luteis.

G. luteum Hudson

syn. Galeopsis Galeobdolon L.

Galeopsis L.

Cal. spid. labium spinescentib. cor. lab. sup. fornicatum, inf. basi utrinque dente acuto, cavo, rotatoa, instructam, lacinia media obtusa v. spinareginal. spam. sub lab. sup. parallela; antheras. loculi subrotundi paralleli, bivalves, barbato-ciliati; nubes obovatae apice rotundatae interne acutangulae laeves.

Herbae habitu Lamii, v. fl. versicolores.

G. Ladanium L.

G. versicolor. Curtis.

- Tetrakit. L.

- pubescens. Benth.

Stachys. L.

Cal. 5 dentat, subaequalis, dentib. pungentib., cor. lab. sup. concavum, infer. laciniis media, obovata v. obcordata, annulus pilorum in tubo corollae, spam. sub lab. sup. parallela, simplicia, deflorata, contorta, extrospum flexa; antheras. loculi appropiati, rima longitud. communi dehiscentes; nunculae obovatae interne acutangulae, saepi. saepe laeves.

Herbae, fruticuli v. suffrut. saepe densissime tomentosae, interdum glabri. fol. varia, integerrima v. crenata; verticilli spicati, terminales.

- 1 St. Sylvatica L.
- 1 - palustris L.

Betonica.

Cal. 5 dent. subaequal. cor. lab. sup. concavum, infer. laciniis media obtusa, annulus in tubo o; spam. approximata, sub lab. corollae parallela, antheras. loculi divergentes. subparalleli, rima longitudinali, communi dehiscentes, glabri; nunculae rotundato-obtusae, interne et margine acutangulae.

Herb. 4. fol. basi cordata, grosse crenata; verticilla supra interrupte spicata; cor. purpureae rari flavae.

- 1 B. officinalis.

Leonurus. L.

Cal. 5 dentat, subaequal. dentib. spinescentib., cor. lab. sup. concavum, infer. laciniis obtusae, revolutae, media in tegra v. lobata; annulus pilorum in tubo cor. spam. approximata, sub lab. sup. parallela, simplicia, deflorata, contorta, extrospum versa, antheras. loculi paralleli, rima longitudinali communi dehiscentes, nunculae apice truncatae, acutangulae.

Herb. 4 erectae; fol. petiolat. palmatilobae, verticilla supra densa, axill., bractea subulatae.

- 1 L. cardiaca.

Scutellaria. L.

Cal. 2 lab. labiis integris, lab. sup. squama concava aucto, fructu clauso, demum usq. ad. basin fissus, lab. sup. deciduo, cor. lab. sup. concavum, infer. 3-fidum, lacin. lateralis lab. sup. approximata, rima reflexa, antheras. loculi rima longitud. communi dehiscentes, nunculae subglobosae tuberculatae, laeves v. tomentosae, toro oblique insipientes.

Herbae v. frut. fol. integra v. pinatifida; fl. axill. oppositi, axillis approximatis, interdum spicato-racemosi, tunc saepe bracteis coloratis, corolla colore vario.

- 1 Sc. galericulata L.
- 1 - heptifolia L.

Prunella. L.

Cal. bilab. fructifer, compresso-clausus; lab. sup. lato, plano, 3-lobo, infer. bifido, fauce nuda; cor. lab. sup. concavum, inf. laciniat obtusae, annulus pilorum in tubo cor. stam. sub lab. sup. parallela, filamenta apice dentifera; anther. rima longitudinali communi dehiscentes. nuculae obovatae, oblongae, sulco exaratae (interdum) laeves.

Herb. 2, fol. integra v. pinnatifida; verticillata 2-4 flora, spicata, bracteis dilatis distincta; color floris vario;

Pr. vulgaris L.

Ajuga. L.

Cal. avat v. glabris-campand. subaequal; cor. lab. sup. breviori, lobato, inf. elongato, bifido; stam. fauce sub lab. sup. inserta, approximata, exserta; antherae reniformi. loculis confluentibus, locularibus; nucis reticulato-rugosae.

Herb. 0. 4, saepe procumbentes, fol. integra v. bifida verticillata 2, multiflora, axill. v. approximata, spicata.

A. reptans L.

Lentibulariaceae.

Utriculariaceae.

Cal. liber, 2 labial, labiis integris v. super 3, infer. bifido, perispermis; cor. hypogyn. gamopetala, irregul. bilab. calcarata, stam. 2. basi coroll. inserta; anther. renif. loculis confluentibus. 1 locular. ovar. lib. 1 locul. 2 ovulat, ovulis placentae centrali liberae affixis; stylus simplex. stigma bilabial, capsula circumscissa v. apice dehiscens, polysperma perim. exalb., embr. erectus, cotyledonibus brevissimis.

Herbae aquaticae v. palustres, caulescentes, fol. inferioribus vesiculiferis v. acaules, fol. integerrima, fl. racemosi v. in scapo terminalis, solitarii.

Utricularia. L.

Cal. distiplo-bilabial, labiis subaequal. integris; corolla perforata, basi calcarata, lab. sup. integro v. emarginato, inf. majore integro; stam. 2, anther. 1 locul. stigma 2 lab., capsula gibbosa, 1 loc. polysperma.

Herbae aquaticae, caulescentes, caule folioso; fol. parva, irregulariter dissecta, basi vesiculifera, pedunculis scapiformes, racemosi, rarius uniflori, pedicellis basi bracteatis; fl. flavi, striati.

- U. vulgaris L.
- intermedia. Heyne (Ammann)
- minor L.

Pinguicula. L.

Cal. profunde bilabiat. lab. sup. 3fid. (3dental) inf. 2fid.; cor. oblique infundibuliforme - campanul. 2-lab. lab. sup. brevior 2fid, infer 3fid. fauce aperta, basi calcarata. Cetera ut in Utricularia.

Herbae acaules; fol. radical. repulsi, integerrima, pinguis, pedunculi papif. flori, ebracteati.

- 1. P. vulgaris. L.
- 1 - brachylaba Ledebour. ab. P. aspin differt (capitula)

Primulaceae.

Cal 4-5 divis. o dental. persisens; lob. v. rarif. basi adnatus, cor. gamopet. hypogynae, regul. 4-5fid. rarif. o (glauca) Stam. cor. inserta, tot quot cor. lobi, circ. opposita o numero dupla, exteriora laminiis alterna, perilia (samolus), ovar. librum, rarif. basi adnatum, 1 locul. o ovalat. o ovalis placentae centrali globosae insertis; stylus simpl; capsula valvato dehiscens o circumscissa. per. peltata; embryo rectus, e alb. carnosus; radícula infera ad hilum versa.

Herbae rar. suffrut. saepe acaules; fol. sparsa, opposita, verticillata, exsiliolate; fl. axill. o termin. inflorescentiis variis.

Conspicua.

- |                                       |  |
|---------------------------------------|--|
| A. Flores calyce et corolla inserti   |  |
| a. ovar. lib. Stam. peril. o          |  |
| d. caps. valvatiim dehiscens          |  |
| 1. cor. hypogynaeomorpha              |  |
| *) Stam. inclusa                      |  |
| ***) fauce dilatata                   |  |
| ****) fauce contracta                 |  |
| *) Stam. exserta                      |  |
| 2. cor. rotata                        |  |
| *) flores 5-meri                      |  |
| ***) flores 7-meri                    |  |
| b. capsula circumscissa               |  |
| c. ovarium basi adnat. Stam. peril. 5 |  |
| B. corolla nulla                      |  |

- Primula.
- Androsace.
- Kotlonia.
- Lysimachia.
- Trientalis.
- Centunculus.
- Samolus.
- Glaux.

Trientalis. L.

Cal. profunde 7-partit. corol. plana subheptapetalae; pet. annulo intus prominulo connexa, tubus o; Stam. annulo impopita; anth. denum retrosum convolutae; capsula subcarnosa, denum 7-valvis; sem o.

Herbae rhizomate repente, glabrae, caules erecti, simplices, superne, foliati; fol. subverticillata, integerrima, pedunculi terminaliter, parvisq. foliis. 1 flori. fl. albi

- Tr. europaea
- Tr. orientalis. L.

Lyfimachia L.

Calyx 5 partit, corollae rotata, tubo brevi vel subnullo, limbo 5 partit, Stam. basi corollae inserta, 10, 5 exteriora breviora  
Perispermia v s libera v. monadelphica; capsula 5-valvis, poly-  
perma, femina dorso carinata, carina placentae  
centrali, liberis affixa

Herbae 4, fol. opposit v. verticillat in pegeris  
glaberrima punctata inflorescentiae axill. v. term.  
corollae luteae s. albae

- 1 L. thymiflora L.
- 1 - vulgaris L.
- 1 - punctata L.
- 1 - nemolaria L.
- 1 - nemorum L.

Andropogon L.

Calyx 5 fid v. s deubal, corollae hypocraterimorpha  
tubo ovato, apice covaretato, fauce fornicata  
brevis. inserta; ovar. s v. pluriovulat, capsula  
5-valvis, oligosperma,

Herbae aculeos; foliis repulat. scapis sulcatis  
v. pluribus, flores umbellati

- 1 A. septentrionalis L.

Primula L.

Calyx 5 fid, corol. hypocraterimorpha v. inserta  
bulbaris tubo cylindrico ad insertiorem partem  
nunc dilatato, fauce fornicata clausa v. nuda  
ovar. multiovulat, capsula 5-valvis, polyperma.

Herbae 4, caespitosa, plerumq. caules, fol. radicalia  
ovata, integerrima, rarius laciniata; scapi uni-  
belliferi, umbellae involucratae; fl. colore variis

- 1 P. farinosa L.
- 1 P. officinalis L. pro fornicata.
- 1 P. veris.

Nobonia L.

Calyx 5 partit, corollae hypocraterimorpha, fauce nuda,  
limbo plano patente; Stam. s fauci inserta, ex-  
serta; capsula subglobosa 5-valvis, polyperma;

Herbae aquaticae, fermentis repentibus, caulis  
submersus foliis, fol. verticillata, approxima  
4, pectinata, pediculi emerit scapi fornes, multi-flori  
verticilli florum racemosi, bracteati  
fl. palustris L.

Centunculus L.

Calyx 4 partit, corolla hypocraterimorpho, tubus subglobosus, limbus 4 partit, patens. Stam. 4, capsula subglobo, 1 locul. circumscissa, polyperma.

Herbae 0, minutae, ramosae; fol. sparsa, integerrima fl. axillares substerili

C. minimus. L.

Samolus L.

Calyx basi ovario adnatus; 5 f. corollae tubus breviter campanulatus, limbus 5 partit, patentissimus. Stam. 10, 5 fertilia, fundo corollae inserta laciniis opposita, 5 his interjecta sterilia filiformia altius inserta; capsula 5 valvis polyperma.

Herbae 4; fol. obtusa, integerrima, sparsa fl. racemosi, albi.

Sam. Valerandi. R. Pl.

Glauca L.

Calyx campanulatus 5 f. corollae tubus in 5 lobos, corolla 0. Stam. fundo calycis inserta, 5. laciniis calycinis opposita; capsula 5 valvis, 1 locul. sub 5 perma.

Herba ramosa prostratae, carnosa; fol. decussata, lanceolata; fl. axillares substerili; sep. lob. rubentes.

G. maritima L.

Resaca

Fraxinus latifolia L.

Plumbaginaceae

Herb. v. frut. Plumbago v. Primula. sep. pap. prof. 3. 8. p. p. p.

Calyx 5 dentat, pl. cal. pers. pers. corolla gamopetalis regularis, limbo 5 partit aut 5 petala, petalis unguiculatis. Stam. 5 in gamopetalis hypogyna in pentapetalis petalor. unguit. adnata; fol. amplexivestitione rectis. ovar. l. b. 1 locul. 1 ovulat. orb. ex apice funiculi elongati e basi ovarii ortho pendulo. Styli 5, lobor. v. basi connati; stigma 5 filiformia v. ramosa; capsula v. utriculodes. hirsuta v. indurata, sperma; embryo in alb. carnoso rectus, rad.cula hilum spectans.

Herbae 4 v. fruticuli; fol. sparsa, integerrima, p. a. annua radicalia. stipulae 0. fl. bracteati; fasciculati v. coruppositi-ignof; calycibus saepe imb.

ratis, scarriosis v. glandulosis v. rugosis.

Armeria. Willd.

Flores capitato - congesti, involucreti; calyx infundib.  
5 lob. membranaceo, lobis mucronatis, interjectis  
denticulis; pet. 5 basi cohaerentia, persistencia; stam.  
5 petalis apposite, petalis corollae adnatae, ovar. 4-6  
1 locul. 1 ovul. styl. 5; stigmat. filis. in diversa  
utriculis, perimus.

Herbae 4, caespitosae, acaules, fol. linearia, integerrima, scapi 1 cephalis, sub capitulo vaginati;  
fl. purpurascens.

*A. maritima* Willd. ou 3. fl. purp. King.

Plantagineae.

Flores hermaphroditi v. dioici; calyx 4 partit., persistens  
rarissime in flore femineo 3 sepalis. coroll. gamopetal.  
pappogyna, 4 fide, regularis, scarriosa; stam. 4, tubo v.  
receptaculo inserta, corollae laciniis alterna, fil. aestivatione  
induplicata; ovar. liberum, 1 loculare, 1 ovul. erecto  
v. placenta centrali compressa 2-4 alata,  
2-4 loculare, ovulis in laciniis solitariis v. pluribus,  
stylus 1; stigma simplex; capsula circumscissa v. mucamentacea,  
embryo rectus, in albamine cornu,  
radicula ad hunc versa.

Herbae 0 v 4, rarius suffruticosae saepe acaules, fol.  
nervosa, saepe linearia, rarius divisa, exstipulata.  
fl. spicati, bracteati, raro solitarii.

Plantago. L.

*P. hermaphroditi*; calyx 4 partit., sepalis duobus exsertis  
orb. interdum coarctis, corollae tubus ovatus, bim-  
bus 4 partit., refractus, stam. 4. corollae tubo inserta,  
capsula 2 raris 4 locularis, circumscissa, placenta dorsum  
libera, 2-4 alata; sem. solitaria v. plura in quolibet  
loculo.

Herbae rarius suffrutic., saepe acaules, fol. basi vagi-  
nentia, in teneris me v. deatata rarius incisa, ner-  
vosa; ax. illis interdum lanatis; pedunculis plerumque  
sapi foris. fl. spicati, sessiles, 1 bracteati.

*P. major* L.  
- *media* L.

*P. lanceolata* L.  
*P. maritima* L.



Amarantaceae.

Mts. Gnuzodum 2 Prounyfia pp unum 4.  
Perigonium 3, 5 part, pericarpium, aestivatione imbricatum; pau. 3-5 hypogyna, libera aut monadelphae, laciniis perigon. opposita v. pauciora; ovar. lib. 1-locul. 1-2 pluriovulata, ovulis fundo ovarii affixis; stigmata plura, sessilia v. stylus unus cum stig. mult. plurib. aut cum stigmatibus simpl.; fructus v. capsula 1-locul. circumscissa v. utriculus indehis. embryo peripheric; albumen farinaceum.

Herbae 0, 2 v frutt. fol. parva, integerrima, exstipulata, ochreis 0; fl. saepe polygami; glomerati; glomerulis capitali v. spicat. bracteal, bracteis saepe coloratis.

Amaranthus L.

Fl. monoici, tetractei, sepala 5, fere libera; fl. masc. pau. 3-5 lib.; fl. fem. styli 3, utriculi; spermat. circumscissus; sem. leotululare.

Herbae 0 erectae v. diffusae; fol. parva, integerrima; fl. glomerati spicato-paniculati; axilla erect. terminalis.

A. album L. (in Gmelin pag. 147)

Chenopodaceae.

Perigon. 5 part v 5 sepal. aestivat. imbricat.; pau. hypog. v. perigyna, numero lacin. v. pauciora, usq. opposita; ovar. lib. v. raris inferius perigonis adhaerens, 1-locul. 1-2-ovul. ovulo in fundo ovar. affixo; stylus simpl. v. 2-3 partit. stigmata indivisa; fructus indehiscent. piccus v. calyce denum aucto carnos. spurie baccatus; embryo v. periphericus; albumen farinaceum v. spiralis. album. nullo, radice hilum spectante.

Herbae 0, 2, rar. suffrut. fol. parva v. rar. opposita saepe carnosae, interdum minuta, squamae foliorum simp. et ochreae 0; fl. hermaphroditi v. polygami; inconspicue virecentes.

Conspetus generum:

- I Semina exalbumin., emb. spiralis (Spinolobaeae)
  - Cal. 5 sep. sep. denum alatis Salvola
  - Cal. 5 fid. sep. exalatis Litheria

II. Semina albuminosa, embri. peripher. (Cyclolobaceae)  
Flores omnes conformes, hermaphr.

- Calyx gemmopetalus
- Semina horizontalia " "Chenopodium.
- verticalia " "Blitum.
- Calyx 5 sep. bibracteol. " "Polygonum
- Flores difformes, diclini " "Atriplex.

Salsola. L.

Flores hermaphroditis bracteol. sep. 5. denum dorso  
transverse appendic. pet. 0. Stam. 5. rarius 3. an-  
nulo hypogynis inserta; Stigmat. 2. utriculus de-  
pressus, membranaceus; sem. horizontal. exalbum.  
testa membranaceae, embryo spiralis.

Herbae v. frutt. fol. sparsa v. rar. opposita plerumq.  
carnea, teretia; afl. axill. fertiles, 2 bracteolati.  
S. Kali. L.

Schoberia. C. Meyer.

Fl. hermaphr. bracteolati, sep. 5 denum in appendic.  
basi connati; Stam. 5. hypogyn. stigmata 2-3. utri-  
culus depressus, membranacei; semina horizontal, exalb.  
testa crassacea, embryo spiralis.

Herbae v. v. fruticuli, saricif; fol. sparsa, carnea,  
teretiusc, fl. axill. v. petiolares, glomerati, bracteol.  
semina atra, nitida.

- Sch. maritima. Meyer.
- syn. Chenopodium L.

Chenopodium L.

Fl. hermaphr. ebracteol. sep. 5, basi connata, exap-  
pendic; Stam. 5. hypogyna; stigmata 2-3 lib. utriculus  
depressus, membranacei; sem. horizontal, albumin.  
testa crassacea, embryo periphericus.

Herbae v. rarissime fruticosa v. suffrut. pappuloso-  
sarinosa; caules ramig. angulati; fol. sparsa  
plana, rar. integerrima, saepe angulata, sinu-  
ata, multifida; fl. glomerati.

- Ch. hybridum L.
- urbicum L.
- album L.
- polypernum.
- olidum Smit.
- (syn. Valvaria L.)

Blitum L. (emend. C.S. Meyer)

Fl. hermaphr. v. polygami s. bracteat. sep. 3-5  
basi + connat. deumum carnosu v. effusa inap-  
pendice; stam s. v. pauciora, interdum solitaria  
hypogyna; pignat. 2 utriculus compressus; sem.  
verticale, albumin, testa crassa; embryo peri-  
phericus.

Herbae 0 rar. 4 glabrae v. papilloso-farinose  
fol. parva, plana, pinnato-dentata v. integer-  
vinta, fl. glomerati, glomeris axillarib. v. petiol.  
interdum spicati.

- Bl. rubrum Reichb.
- glaucum Koch. (Chenopodium L.)

Atriplex L.

A. polygami, bracteat, hermaphrod. et masc.  
sep. 3-5, aequalia, basi connata, exappend.; stam. 3-5  
perigyna; ovar. depressum, saepe abortivum; sem.  
horizontale, floer fimbriatae: sep. 2, lib. v. connat.  
ovar. compressum; pignat. 2 filiformia, utricu-  
lus membrana compressus, sep. auctis inclusus;  
sem. verticale, testa subcrassa, albumin.  
embryo periphericus.

Herbae 0 v. suffrut. papilloso-farinose v.  
lepidotae; fol. parva rar. opposita, plana; fl.  
sess. rar. pedunculati, glomerati spicati.

- A. hortense L.
- patulum L.
- litorale L.
- laciniatum L.

Polygonaceae.

Genus: Polygonum.

### Rumex L.

Fl. hermaphrodit; interdum dielini; sep. 6, perispentia, 3 exteri-  
vina basi connata, interiora multo majora, connata, <sup>in</sup>  
pam. 6. perparia sepalor. exterior. basi inserta; stigmata  
penicillata; cariopsis 3-gona, sepalis interioribus acutis,  
valvulaformis, saepe dorso caligeris, tecta.

Herbae 4, erectae, ramosae, glabrae, rarius suffrut. fol.  
paucis, integra v. basi incisae; fl. pedicellati, verticilli-  
ti, verticillis racemosis, saecenis subpaniculatis.  
in carbon. p. 172. in p. 173. in p. 174. in p. 175. in p. 176.

*Typ. R. nemulopathum Ehrh.*  
*var. R. crispus L.*

- *crispus* L.
- *aquaticus* L.
- *acetosa* L.
- *acetosella* L. } in p. 176. in p. 177. in p. 178.

### Polygonum L.

*Perigonium*  
Calyx 4 v. 5 f. d. v. partit, saepe coloratus; pam. biferial.  
seriei exterioris 4 v. 5. laciniis perigoni aeterna, seriei  
interioris 3 laciniis perig. tribus interioribus et faciebus  
ovar. trigoni opposita, interdum pinguia v. omnia defi-  
cientia, ovar. trigonum; stigmata 3 v. compressis, <sup>in</sup> <sup>stigm.</sup>  
stigmatib. 4-connatis; cariopsis perigonio persiscente tecta.

Herbae erectae prostrubentes v. volubiles, rarius suffrut.  
fol. paucis, integra, obtusata, fl. pedicellati, bracteati, axillares,  
solitarii v. fasciculati, fasciculis saepe spicati, conglu-  
meratis raris, terminalibus corymbos. v. paniculatis con-  
gesti.

- P. Lysimachia L.*
- P. viviparum L.*
- P. amphibium L.*
- P. lapathifolium L.*
- P. persicaria L.*
- P. hydropiper L.*
- P. minus Hudson.*
- P. aviculare L.*
- P. convolvulus L.*
- P. demissum L.*

*P. sagopyrum L.*  
*Typ. Polygonum esculentum Moench.*

### Spindelaceae

Perig. lib. colorat. tubulos. limbo 4 rarius 5-fido,  
aestival. imbricatum. pam. definita, fauci v.  
tubo perigon. inserta, epurg. laciniis numero du-  
pla; antherae 2-luul. longitudinaliter bisringae;  
ovar. lib. 1-luul, 1-ovular. ovulo pendulo, stylus  
simplex, stigma simpl.; utriculus interd. basi  
perigon. persiscente carnosus cinctus, saepe bacchar.  
albumen 0 v. pericum carnosum; embryo

rectus; radicle holum spectante.

Frutices, rarif. herbae 8- fol sparsa, saepe coriacea, integerrima, exstipulat., fl. plerumq. terminalis, glomerati.

Laphne L.

Perig. hypocrateri morph, colorat, tubo infido, deciduo; stam 8, tubo inserta, inclusa; ovar. lib. 1. br. cul. 1-ovul. drupa carne molli v. coriacea.

Frut. foliis integerrimis. fl. sessilib. glomerati v. breviter racemosis, interdum praecocis, colore variis.  
1. Mezereum L.

Elaeagnaceae

Perig. orb. iter colorat. 2-4 fol. aest. imbricatum; perisperm. perig. inserta, epig. lacinis numero aequalia et alterna, raro dupla; anther. 2-ovul. 2 rimosae; ovar. tubo perig. inclusum, lib. 1-ovulata, ovulo erecto; stylus et stigma simplex; drupa carnosa et perigonii basi persistente; coriacea et nuc. crassaque compacta, carnosum tenue; embryo rectus, radicle infera.

Arbores, frut. saepe spinoscentes; fol. exstipulat. argenteo v. bronneo lepidota; fl. saepe unisexualis.

Hippophae L.

Fl. dioica, masculis; perigon. bipart. stam 4; femina; perigon. tubulos apice bifid, anulo ad faucem nullo; ovar. tubo perig. inclusum, lib. 1-ovul, nuc. crassaque, calyce cincto, carnosum inclusa, drupaeformis; frutex

Frutex v. arbutuli ramis. spinoscent. fol. linearib. inter. argenteo lepidota; fl. minutis subpappis, fasciculatis; haec flavae, extra lepidotae.

1. H. rhamnoides. Douro. Affr.

Aristolochiaceae

Fl. hermaphr. perig. basi ovarii adnal. indiv. et oblique truncat. v. bilobata v. trifida. laciniis reflex. valvatis; stam. definita v. lib. et apice ovarii inserta v. cum stylis stigmate connata, ovar. 3-8 loculare, placentis centralibus multiovulatis; stigma peltat, embryo minimus ad basin albuminis cartilaginei.

Herbae v. frut. saepe scandentes; fol. pappis; plerumq. reniformia v. cordat. interd. lobat. v. tomentosae, exstipulat.; fl. axill. solit. v. fasciculat.

Harum L.

Perig. campanulata 3 rar 4 fidum, coriaceum, persistens stam 12 epigyna, inclusa, connectivo in acumem productis; ovar. adnatum; stylus brevis, stigma 6 radiat.

lobatum; capsula coriacea, sub 6 locularis, indurata,  
perigonio persistente coronata; dispositio ad axi-  
pluribus, loculis oligospermis.

Herbae repentes, canosae, ramis abbreviatis, oligo-  
stypis, basi squamatis; fol. reniform. peduncul-  
iflori, inter folia duo terminalia solitarii; fl.  
lucidi.

A. europaeum.

Aristolochias. L.

Perig. tubulos. limbo lingulato v. 2 labiato, deciduum.  
stam. 6. gynandra, antheris 6, sub stigma adnatis,  
apice nudae, ovario adnatum; stylus brevissimus. stigma  
transversum, 6 partitum; capsula 6 locul. septivido 6-valvis,  
polyperma; sem. compressa;

Caulis herbacei v. fruticosi, erecti v. scandentes; fol.  
parva, integra v. lobata, saepe estipulata, pedicelli  
axillares, 1- multiflori

A. Clematidis. bi- 2-stypis.

Empetreae.

Mit. d. Euphorbia cum nup. nuncunt.

Fl. abortu unispermis; calyx 3 partit. aestival. im-  
bricatus; ped. tria, sepalis alternis; stam. 3. libera, petalis;  
alterna, cum petalis receptaculo inserta; anther. lon-  
gitudinaliter biximiferae; ovar. lib. disco carnosio  
impositum, 3-6-9 locul. loculis 1-ovulatis, ovulo  
ascendente; stylus 1; stigma 3-6-9 radiatum; drupa  
plurilocularis; embryo in axi album carnosio rectus  
radicula elongata, hilum peltate.

Fruticuli ericoides, foliis persistens, estipulatis;  
fl. axillares, solitarii, minuti.

Empetrum. L.

Fl. dioici; calyx 3 partit. pet. 3. stam. 3. ovarium  
lib. in disco carnosio; stylus subnullus; stigma 6-9  
radiatum; drupa 6-9 perma.

Fruticuli ramposi, prostrantes, fol. linearia,  
parva, coriacea, margine revolute, nervis latis  
approximatis; fl. rubelli; drupa

E. nigrum. L.

Euphorbiaceae.

Akamaceae, elaphoglossae nomenclat.

Fl. unisexualis, perig. duplex, simplex v. 0; calyx plerumq 4-6fidus. corolla 4-6 petala; mar. part. centro floris inserta v. sub rudimento pistilli; solitaria v. plura; fol. lob. v. varie connata; semina: ovar. lobatum, papile, obliquitatum, stom. verisime 2-pleuriloul., loculis circa axem centralibus in orbem dispositis, 1-2 ovulatis, ovulis pendulis. Stigmata divisa; capsula 3-locis rar. 2 locis, saepe extus carnosae, cocci elaphice depurcentibus, albumen carnosum oleosum, copiosum; embryo rectus axill., radicle ad holum versa, cotyled. foliaceae.

Herbae 3, 4, frut., arbores. lacteentes, fol. opposita v. saepius sparsa, stipulata v. exstipulata interdum minutissima in caule carnosae rami saepe decidui,

Euphorbia. L.

Involucrum proprium, campanulatum, 9-10 dentat. dentes 5 membracei v. herbacei, 5 v. 4, ut alterum extrosum versis, divico carnosae nectarifero tecti. fl. masculi: decem 20 v. plures, bap. involucri inserti, squamis ciliatis v. caecis fultis, mediis monandris; fl. fem.: solitarii in involucrio, centrici pedicellatus; calyx minimum, puberulus v. obsoletus; petala 0; ovar. 3 locul. stylus 3 foliolis partibus crassius bifidis v. emarginatis; capsula tri-locis, cocci monopercinis.

Herbae suffrut. v frut. imo arbores lacteentes, fol. sparsa v. opposita, floralis saepius verticillata, stipulata v. exstipulata, integerrima v. serrulata, involucra in ramis floriferis, distichis alia et terminalia, ramis in apice caulis plerumque umbellato-congestis.

- 1 E. heliopsia. L.
- 1 — palustris. L.
- sp. ?
- apparipias?

Moruevisalis. L.

Fl. 20. 10ici, calyx 3 partit.; corolla 0; nuc: piam.  
 9, 12 v. 6, hypogyna, libera; fem: piperis brevis, piquis  
 elongata, acic. v. m. ta; capsula 2 loca. coarct. p. p. r. u. s.  
 Herbae rarius fruticosa; fol. opposita rar. parva,  
 populata, integra; fl. axillares et terminales; m. p. q. u.  
 li glomerato-picati, femineis sulcatis v. foveolatis;  
 M. perennis. L.

Urticeae.

Fl. monovici, divisi v. polygami; perig. 4 brevius;  
 plerumq. 4 partit. rarius 3-6 partit. v. cum floribus  
 femineis integrum, aefruct. imbricatam; piam. de-  
 finita, plerumq. 4, fundis perigonii inserta, eijus  
 laciniis opposita; ovar. lob. 1-locul. 2-ovulatum.  
 (v. s. 1. nuc. v. 1. locul. 1-loculis, ovulatis) p. p. 2 v.  
 sulcatis; fructus nucamentaceus, induriscens,  
 embryo rectus albuminosus (nempe in Urt. acic. v. s. i.)  
 v. curvatus aut spiralis, exalbu. (Cannab. v. s. et Urtic. s.)  
 Disting. quod ill. v. s. in:  
 1) Urtic. (embryo p. r. e. c. t. u. s.) fol. opposit. v. parva, piquis caduc. v. persi. p. m. b. t. fl. glomerati.  
 2) Cannab. (embryo curvatus) v. p. r. i. c. u. l. a. t. i. v. s. r. o. r. u. m. r. e. c. e. p. t. a. c. u. l. i. i. n. c. l. u. s. v. i. r. e. s. c. e. n. t. e. s.  
 3) Urtic. (embryo p. r. e. c. t. u. s.) v. s. i. m. i. l. i. t. e. r. u. m. p. r. o. p. r. i. e. t. i. s.

Urtica L.

Fl. 10. 20ici; nuc: calyx 4 rarius 5 partit. piam 4 rarius;  
 sepalis opposita, aefruct. ovale incurvata, puban  
 thep. elastice sepilicentia, ovarii rudimentum, fem:  
 sep. 4. exteriora, minora, saepe abortiva; ovar. lob.  
 2-ovulat. piquis fessile, capitato-penicillatum, nucula  
 induriscens, p. p. r. u. s.; semen erectum, embryo  
 rectus.  
 Herbae rarius frut. plerumq. urentes; fol. opposita  
 v. parva, populata; racemi, paniculae v. capi-  
 tula axillaria, fl. minutis, virides, bracteati.  
 U. urens. L.  
 - dioica. L.

Cannabis. L.

Fl. 20ici; nuc: sep. 5 lob. piam. 5 fundis calycis  
 inserta, sepalis opposita, ovarii rudimentum  
 nullum; fem: bracteis spatiformis, basi ventricosa



Perigulum florem involvens; perig. nullum; ovar. liberum, 1 ovul. ovulo pendulo, stigmata 2, sepalia elongato-filiformia; inx bractee perispermatis in clava pericarpio 2 partibili, 1-sperma; embryo uncinato-curvatus.

Herba 0; fol. opposita, digitata 3-9-fecta, superiora parva; fl. masculi axill. et terminal. racemif.; sem: axillares, gemini.

C. fatua. (summers.)

Humulus L.

Fl. dioici, masculi paniculati, pp. 5 ima basi connata; Stam. 5, fundo calycis inserta, sepalis opposita, ovarii rudimentum 0; fl. fem. arcte spicati, gemini bractea communis magna, foliacea, singula bractea propria minori suffulta; perig. urceolati, truncatam, hyalinum; ovar. 6-8. 1 ovulet. ovulo pendulo stigmat 2, sepalia elongata, pubulata, inx bractee prohilum formantib. obtectae, monospermae, embryo spiralis.

Herbae 4, praistropium volubilis; fol. opposita, lobata subtus respice punctata; stipulae inter petiolum et caudicem.

H. Lupulus L.

Ulmus L.

Fl. hermaphroditi, calyx turbinate campanulatus 4-5, var. 6-8-fidatus, marcescens; Stam. 4, 5-12, laciniis calycis opposita, aestivatione recta; ovar. 2 locul. loculis 1 ovulet. ovulis pendulis; styli duo; samara 1 locul. 1 sperma; fenum pendulum, embryo rectus, a tuberos. 1-fid. fol. parva, serrata, basi obliqua, stipulae, lib. caducae; fl. fasciculati, praecoxi.

M. campestris L.

1 - effusa. Willd. juniper.

Cipuliferae.

Spumula 2. Amentum caecum 2-3-fid.

Fl. 1-ovici, masculi, amentacei, amentum cylindricum v. subglobosum, abracteis compositum; perigynium 0

V. 4-6 fiduum; Stam 5-20 et plura, perigonis v. breviter inserta, antherae bicorniferae; fl. sem: plurimum v. plures, aggregati v. spicati, involucri; perig. ovario adnatum, limbo denti- culato, deumum saepe evanido; ovar. 2-6 loculare, loculis 1-2 ovulatis, ovulis pendulis; stigmat. 2-6 bsp. saepe connata, involucrium post anthesin excreviscens, nubes abortu locul. monopermas obtegens aut fovens, saepe fructum purium referens; pmen exalbuminosum; embryo rectus; cotyledones crassae, radícula hilum spectante.

Arbores v. frutt. fol. parva, stipulae caducae.

Quercus L.

Fl. masculi: amentacei, <sup>perig.</sup> calyx prople, 5-9 partit, irregulare; Stam. 5-9, hypogyna, lib. fl. sem: fl. - in axillas squamae decidu involucrium e bracteis in- natis deumum in cupulam confluentibus, perigonium ovario acete adnat. limbo minuto, irregulariter 6-10 fido. ovario 2. locul. loculis bivulatis; sty- lus crassus, stigmat. 3; glans abortu monopermas vsp. cupula oblecta.

Arbores, interdum semper viventes; fol. parva, in- tegra, pinnata v. incisa; fl. <sup>steromy.</sup> coctanei.

- Q. sessiliflora Smith. (Palm) glandi (sessile.)
- pedunculata. Ehrh. (Q. robur Lin. (Palm))

Corylus L.

Mas: amentum squamis obovatis, supra pinnulis binis auctis; Stam 8. Squamae inserta, anth. biloculares; fl. per paria opposita; fl. sem: amentum abbreviat. Squa- mis imbricatis; superioribus fertilib. unifloris; flores singuli involucri campanulato, bifido, marg. ne irregulariter dentato cincti; calyx ovario acete adnat, limbo absolet. dentato; ovar. bilocul. loculis 2-ovulatis; stigmat. 2 elongata filit; nuc monop. in involucrio aucto margine lacero.

Frutt. v. arbusculae, fol. integra v. sublobata; fl. praecoces. C. avellana L.

Betulineae

Fl. masculi, amentacei, amenta e bracteis squamae formis pedicellatis, formate; mas. perig. tria, indivisa v. 4 partib., pedicello infidentia; stam. 2-4 in quovis perig; fem: amentum e bracteis sub apice si fertilib. formato; perig. 0, ovar. 2 locul. loculis ovulatis; stigmatibus 2 foliis. pericarp. induriscens compressum, membranaceum v. subcoriaceum viderendum in ala utroque expansum; sem. pubescentia pendulum, exalbuminoso; radícula ad hunc usque; cotyledones planae.

Arb. v. frut. fol. parva; stipulae caducae.

Betula L.

3-4

mas. amentum squamis pedicellatis, floris, lobulis duobus sub apice peltiformi; sep. 3 pedicello infidentia; stam. 6, antherar. loculi filamentis bifido disjunctis; fem: amentum squamis anatis v. oblongis, basi cuneatis, deniq. 3 lobis, deciduis, 23 floris; fl. nudi, bracteati, gemma 1 locul. 1 sperma.

Arb. v. frut. fol. parva, simplicia, penninervia, amenta macula hibernantia, praecocia, feminea, coacta.

- 1 - B. alba L.
- 1 - pubescens Ehrh.
- 1 - fruticosa Pallar.
- 1 - nana L.

Alnus Tourne.

Flores masculi: amentum squamis pedicellatis supra 3 floris, lobulis 4 ante apicem peltiformem praeditis, perig. 4 fol. regulare; stam. 4. sep. indivisa, anther. biflorae; fem: squamae ovatae, biflorae, supra squamalis 4 imbricatae, in fructu anticae, lignoscentes, cuneato-obovatae, persistentes; fl. nudi, bracteati, unimulti compressa, bicocularis, sub 1 sperma.

Arbores v. frutices, fol. integra, rarisissime lacero pinnatifida; amenta hibernantia, 2- plura in pedunculis annuunt, maculis terminali.

- 1 - A. incana Sel.
- 1 - glutinosa Gartner, (plum)

Salicinae.

Fl. 2-ovici, amentacei, amentum squamis format.  
glandula simpl. v. duplex v. urceolus carnosus oblique  
truncatus ad basin genitalium, in squamam ex. Ho  
loco perigonii; mas. Stam 2-24 lib v. monadelpho,  
in axilla bracteolae v. urceolae inserta; fem: ovar.  
lib. 1-locul. mult. ovulat. ovulis pendulis, in  
placentis parietalis, binis; Stylus 1. Stigmat. 2 saepe  
bifida; capsula bivalvis; fem. numero indefinito,  
comosa, exalbuminosa; embryos rectus, radicle  
hilum pectus; cotyled. p. binis.

Arb. arborescens v. frut. fol. parva; stipulae caducae  
v. persistentes; amenta praecocia coetanea raroque  
protina.

Populus L.

Fl. 2-ovici, amentacei; squamae stipitatae, plerumque  
ad marginem palmato lacerae; perig. 0; mas. Stam.  
8-30, disco oblique patelliformi carnosus membranaceo  
inserta; fem: ovar. ad basin disco oblique gyath.  
forni cyathum, stipitatum; Stylus brevissimus, 2-4  
distincta; Stigmata 2.

Arb. fol. integra rar. lobata; stipulae caducae; amenta  
paucissime praecocia.

- P. alba L.
- tremula L.
- nigra L.

Salix L.

Floris dioici, amentacei; squamae bas. uniflorae  
integrae; perig. 0; mas: Stam duo rar. tria quinque v.  
plura, lib v. monadelphia, imo synanthera (i. monandra)  
prope glandulam nectariferam unicam v. inter  
duplicem inserta; fem: ovarium stipitatum v. sessile  
ad basin glandula nectarifera sulcatum, Stylus 1, inter  
dum brevis; Stigmat. 2, integra v. varie bifida, capsula  
1-locul. & bivalvis polyperma; fem. comata.

Arbores v. frut. nunquam herbae, fol. parva  
integra; stipulae liberae, persistentes v. deciduae.

amenta foliaria, proacacia, var. caerulea, var. f. protina.

- S. limosa Wahlenb. fruct. Orpent.
- sp. — arenaria L.
- — repens L.
- — rosmarinif. L.
- S. myrsinoides L.
- — Staccana Willd.
- — aurita L.
- — caprea L. (S. quinnifera Led.)
- — cinerea L.
- — nigricans Frisc. (S. agatha Led. Rafin. Orv.)
- — stipularis. Smith.
- — viminalis L. (S. stipularis Sm.)
- — rubra. Thunb. (S. Thunb. Sm. Tunicata)
- sp. — Relix. Smith
- — purpurea L.
- — daphnoides Willd.
- — acutifolia Willd. quinnifera Led. Rafin.
- — amygdalina L.
- — alba L.
- — fragilis L.
- — pentandra L.

Myricaceae.

Fl. 10ia v. 20ia amentacei, pinguli in axilla bractearum, mas: flum 2 v. plura, lib. v. 1 delpha. perig. 0 v. 1 sp. mula foliaria v. gemina, in unctis formatum; fem: perig. 5 sp. anis univ. 2-6, ovario pepe adnatis compositum, ovar. 1 locul. v. 2, ovulo erecto, perig. 2 elongata pubescente; pericarpium indehiscent, p. 10ia v. 10ia perigoni multus coracpi fol. drupaceum 1 spermu; embryo rectus, inversus, radicle apicem feminis spectante, a hilo remota.

Fruct v. arborescens, fol. parve serrata v. pilosa f. fide, populace caducae

Myrica. L.

Her: flum. 4-6 cap. bractea bibracteolata inferta et approximata s. connate; fem: ovar. <sup>connata</sup> v. in cap. perigoni 5 sp. anis 4 compositi, adnatum. perig. 2 fructus indehiscent, sp. anis perigoni anthesis drupaceus; 1 spermu.

Frutt. v. arbutuolae resinofae.

M. Gale. Orpl.

Coniferae.

Fl. 10ici v. 20ici; amentacei, in axillas squamae, masculi: perig. o. spm unicum - 8, monadelphae, filamentis saepe superne in discum peltatum connatis, inferne antheras gerentem; fem: fl. in basi bractearum v. in involucri squamaeformis pappi v. terminalis 3, gemini v. solitarii; ovar. lib. perigonio unceolato apice foramine inclusum; stigma fissile minimum, punctiforme (v. stylus filiformis et stigma simplex, nempe in Ephedri) utriculus monop. perigonio persistente succamentaceo tectus; pueri erectum, perimodermis tenuis membranacea, albumen carnosum, embryo inversus in centro albuminis saepe poly cotyledoneus.

Frutt. v. arbores, resinofae; fol. perenn. acrope v. squamaeformia, dense pinnata v. multipinnata v. fasciculata, verticillata et opposita, rami perenn. pectinellata.

Ovaria erecta:	Taxineae	Caprosiferae	Ephed
flor. fem. solitarii	—	Taxus	
— terni	—	Juniperus	
Ovaria (perigonia) inversa	Abietinae:		
Squamae coni apice incrassatae	Pinus		
— — — — —	Abies.		

| Taxus L? |

Juniperus L.

Fl. 20ici; masculi: amentacei, antherae 4-7, unilovul. ad marginem inferiorem squamae ovatae peltatae insertae; fl. fem. terni, terminales, involucri carnos. 3 trifido, e squamis 3 amentis comatis formato instructi, liberi, erecti; nucis perigonio persistente inclusa, in involucrio erecto carnos. bacca purpurasc. fornicatim abscondita

Sub. v. arbutuolae, fol. linearia lanceolata, nigra saepe squamaef. reticulata.  
J. communis L.

Pinus L. Linn.

Fl. 2. ovis. mas: antherae 2, uniloculares, bracteis  
auctis peltatis adnatae; fem: involuorum proprium  
in axilla bractearum, biflorum, squamiforme, denum areis  
apice incurvate umbonate praeditum; fl. in verp; perig;  
in his involucri arete adnatum et squamam propriam  
alaeformi tectum, denum induratum, nucem  
spuriam formans, deniq. cum ala plentum.

Arb. aut arboreulae, fol. e squamis parvis, nonnunquam  
laevibus orta, fasciculata, aeterna, persistentia.

P. sylvestris L. Linn. (Pinus sylvestris Linn.)

Abies Linn.

Arb. transversum laevius, squamae probr. li apice  
apice attenuatae, appressatae, laeves cum fructu abaxi  
solutae, cetera ut in Pinus.

Arbores ex celsae; fol. aeterna solitaria parva v. dispersa  
persistentia.

A. excelsa Linn. (Douglas) Graham jun. 1.

Monocotyledones.

Fl. saepe numero ternis v. compositis, perig. in plura, plerumq.  
bisera, embryo cotyled. unica v. potius cotyledonibus alteris  
praeditus; radix fasciculata v. bulbosa v. rhizomata;  
truncus nuda centrali radiisq. medullaribus  
et cortice vero distinctus, fibris sparsis. fol. plerumq.  
adnata, nervis convergentibus. saepit. phyllostia

Hydrocharitaceae

Calycis ovario adnat. herbae. 3 sepala, corolla 3 petala  
regularis; stam. lib. 3 et petalis alterna v. petalorum  
numero dupla v. plura; ovarium adnatum, 1- plurilocul.  
multiloculat. placentae parietales v. dissepimenti adnatae  
styli 3. 6 plerumq. bifidi; fructus induratus, carnosus  
intus pulpiferos; embryo cylindraceus rectus, albumen  
nullum.

Herbae palustris v. aquaticae, florescentes emersae; fol. v.  
linearia saepe spinosa serrata v. canina praedita;  
fl. hermaphroditi v. dioici.

Stratiotes L.

Fl. 2. ovis; sepala 3 exteriora minor, bas. breviter con  
nata, 3 interiora petaloidea, multo majores; mas: pa

mina & fertilia sub duodecim, exteriora 20-30 perilia, fem.  
pam. omnia perilia, ovar. adnatum, styli 6 bifidi; bacca hexagona,  
6locula. polyperma.

Herba pubesca, aculis, palonifera; fol. argute pinnatop-  
dentata pedunculi anisipites, masculi 3-pluriflori, femineae  
uniflori; spatia diphylla; fl. albi  
N. aloides L.

Hydrocharis L.

Fl. 2-ovis; sep. 3. sep. breviter connata, sepi 3 ampliora, mas:  
pam. 12 per paria ad medium connata, 3 anathera; ova-  
rium abostivum, liber. fem: pam. 6 omnia anathera,  
pubulato-corni formia, geminatione tuberculis epizymis  
interjecta, ovar. adnat. styli 6, stigmata 2 partita, bacca hex-  
locula. polyperma.

Herba natans; fol. subrotundo reniformia, spatia axill.  
masculae diphyllae sub triflorae, femineae poptes, 1 phyllae,  
1 florae; fl. albi.

H. Marsus ranae L.

Alismaceae.

Calyx lib. 3ppal. herbae. corol. 3petal. regul. hypog; pam.  
hypog. 6, v plura lib, ovaria supere 3, 6. v. plurima, singula  
stylo terminata, uni-bi-ovulata, ovulis putrae interiori  
affixis; stigmata simplicia, carpella fixa, indehiscentia, semina  
exalbuminosa, embryo curvatus.

Herbae palustres, rhizomate proaeclae, caule nudo  
fol. sep. vaginantia, linearia v. lamina proaeclae;  
fl. racemosi, spicati v. paniculati, hermaphrodit. v.  
monovici.

Alisma L.

Fl. hermaph. calyx 3ppal. persistens, corolla 3petala  
decidua; pam. 6 libera; ovar. 6 v. plura, thoro diviformi inposit.  
carpella 6 v. plura, 1-sperma.

Herbae aculis reniforme caulescentes; fol. ovata, cordata  
lanceolata s. linearia; fl. verticillato-racemosi v. paniculati,  
albi s. rubelli.

A. plantago L.

Sagittaria L.

Fl. 1ovici; sepala 3 persist. petal. 3 decidua; mas:  
pam. &, libera; fem: ovar. 2 in thoro hemisphaerico  
globoso congesta, monostyli, stigmatis 6. obtusa



papillois; corolla s membranacea, sperma

Herbae plerumq. acaules; fol. sag. lat v. hastat. submersa  
linearia, basi multiflori; fl. pedicellati, verticillato-  
racemosi, inferiores fem. super. masculi; albi basi  
purpurascetes.

1. *S. sagittataefolia.*

Butomus.

Calys lib. 3-petal. subcoloratus, corolla 3-petala;  
hypogyna; Stam. hypogyn. lib. definita<sup>3</sup> in def;  
ovar. 3-6 v. plura, lib. sejuncta v. basi connata; pin-  
gula spiguate terminata, multi-ovulata, ovulis  
in placentis ramosis totam superficiem interi-  
orem ovarii occupantib. fem. exalbuminosis; em-  
bryo in directione punitiv.

Herbae aequal. rhizomate repente, fol. graminea  
v. Carexina praedita; fl. in apice basi fol. t. v. um-  
bellati.

Butomus. S.

Fl. hermaph. sepal. 6, 3 exterior, calycinae, colorata  
3 interior. petaloides; Stam. 9 hypog. lib. ovar. 6 basi  
publ. multi-ovulata; folliculi 6. coriaci, futura ven-  
trali d. biscentes, polypermae. fem.

Herbae pallidifolae, acaules, glabrae; fol. elongata,  
linearia, basi vaginantha; scapus umbellatus; fl.  
rosi, pedicelli involucriati.

1. *B. umbellatus. d.*

Juncaginatas.

Peryg. lib. hexaphyl. calycin. aut subcolorat. fem.  
hypog. 6; ovar. 3-6, pingula stylo libero v. spiguate  
oblique adnato terminata, supera, superne disjuncta  
et basi tantum connata v. in unum 3-6 sulcatam  
ovumino concreta, maturitate in carpella totidem  
ab axi soluta, 1-2 ovulata, ovulis erectis, fructus  
punitiv, fem. exalbuminosa, embryo in directione puniti-  
vina laterali instructus, plumulam emittente.

Herbae rhizomate praeditae; scapi apophylli; fol.  
linear. fl. spicati v. racemosi.

*Triglochin. Scheuchzeria.*

Triglochin. L.

Fl. hermaphr. pp. 6 aequal. subcolorat. decidua, 3 interiora interdum deficientia; Stam. 6. imae basi sepalo. inserta, filamentis brevissimis; ovar. 3-6, cohaerentia, 1 ovulat; stigmata plumosa sessilia, folliculi 3-6 axi affixi, deumum basi soluti, interne dehiscentes, monospermi.

Herbae paludosae; caules simpl. papiformes; basi foliatis, fl. spicati, ebracteati, virescentes.

- T. maritimum L. (6 carpella)
- palustre L. (3 carpella) simplic.

Scheuchzeria. L.

Fl. hermaphr. pp. 6. interiora angustiore subcolorata imae basi connata; Stam. 6. filamentis elongatis; ovar. 3, rarius 4-6, biovulata, basi connata, stigmata obliqua adnata, papilloso, capsulae divergentes, inflatae, imae basi connatae, bivalves, 1-2 spermata.

Munkwitz, Bory  
N. Gleditsch.  
J. Schultze II p. 384.

Herba paludosa; rhizoma repens; caules foliati; fol. pinniteretia, apice foveolata, basi canaliculata, vaginae; fl. terminales, laxe racemosi, bracteati, flavo virescentes.

- 1 Sch. palustre L. (peltata)

Potamogetoneae.

Perigonium liberum, 4-partitum v. nullum; Stam. lib. 1, 2 v. 4; ovaria 4 v. plura, disjuncta, 1-ovul. ovulo pendulo, stylo v. stigmatibus simplicibus scrobili peltato terminato; carp. indehisc. nucament. v. drupacea; sem. exalbum; embryo curvatus v. spiralis, rostello incrassato, plumula valde effigurata.

Herbae aquat. submers. inflorescentia emersa; fol. basi vaginant. gramin. v. laminae praed. stipulae membran. ochreae feruae; fl. spic. v. solitarii sess.

Potamogeton L.

Fl. hermaphrod. perig. 4-part; anth. 4, sess. basi

laciniarum perigon. insertae; ovar. 4, stylis terminatis brevib. v. o.; stigmata integra, obliqua, papillosa; drupae 4, compress. monosperm. indehisce.

Herbae caulescentes, aequat. submersae v. natantes; fol. sparsa, disticha, summa saepe oppos. v. rarisimo omnia oppos. stipulata; stip. conn. interdum cum petiolo in vaginam conn. spicae spadicif. peduncul. nud. term. et axill. sub anthesi emersae.

- 1) Potamogeton natans L. } Potam. heterophyllo
- \_\_\_\_\_ rufescens Ehrh. } (P. obfcurus DC.)
- \_\_\_\_\_ lucens Lin
- \_\_\_\_\_ perfoliatus L. } Potam. homophylli
- \_\_\_\_\_ crispus L. }
- \_\_\_\_\_ compressus L. } — chloophylli
- \_\_\_\_\_ pupillus L. }
- \_\_\_\_\_ pectinatus L. } — coleophylli
- \_\_\_\_\_ marinum L. }

Zanichellia L.

Fl. monoic. masc. et femin. in eadem vagina nudi, ebract; masc: stamen solit; fem: vaginula ~~de~~ communis membran. cupulif. oblique truncata; ovar 2 ad 6 v. plura, 1 ooul. styli contin, persist; stigm. obliq. peltatum; nucem 3, 5 v. plur. stipitat. monosperm.

Herbae aequat. submers. ramosif. fol. sparsa, angustif. linear. stip. inter se conn. membran. latae, amplexicaules.

Z. palestris L. (v. lingua nigt guffiden.)

Najadeae.

Fl. 1 sexual. perig. o; stam. lib. 1-3, filam. o, anth. prof. ovar. simpl. 1-local. 1-2 ooul. stigmata solit, v. 2-3 filif. fornic; pericarpium nucament. v subdrupae, gemmalbum. embryo rect. v arcuato-flexus.

Herbae sub aqua viventes; fol. gramin. v. sinuato serrate.

Zostera L.

Fl. monoici, nudi, spathae & folii parte ima, rima longitudinaliter dehisce. formata; spadix comp. planus membran. stamina ovariaque alternatim gerens; anth. pellat, uniloc. pollini filamentoso; ovar. 1-loc. 1-ovul. styl. contin. persist. stigmata & capillaria utriculi membrau. 1-permi, irregulomiter rumpentes.

Herbae marinae, caule repente, radicante, fol. anguste linearibus elongatis, obtusis, integerrimis, basi vaginantibus.

Z. marina. L.

Lemnaceae.

Fl. monoici, 2 masc. & 1 femin. ex eadem spatha; spatha 1-phyll. primum clausa, comp. integra v. margine crenulata; fl. masc: 1-andri, nudi, alter praecotior; anth. didym. biloc. extrosp. fl. femi.: ovar. styl. lib. 1-loc. 1-ovul. ovulo erecto, styl. brevif. stigma obtusum, concavum; utriculus 1-2-7perm, sem. exalb, embryo breviter arcuatus, inversus; radícula supera.

Herbae parvulae, acaules, lib. natantes, caulis in formam folii dilatatus (frons nominatus) articulatus, fol. plura, alterum ex altero egredientia, pinnulans, subtus radicellas simpl, apice calyptratas emittens; flor. in fissura marginali frontis sess.

Lemna L.

Fl. monoici, masc. 2 et femin. solit, ex eadem spatha; spatha 1-phylla, primum clausa, comp. integr. v. margine crenulata; fl. masc: 1-andri, nudi, alter altero praecotior; anth. didym. 2-loc. extrospae; fem: ovar. styl. lib. 1-locul. 1-7 ovul. ovulis erectis, stylis brevif, stigma obtusum v. infund. concavum; utricul. 1-2-7perm, femina

Albamin, album. farinae, embryo rectus, indurif. radice  
infera v. laterali.

Herbae parvulae, caaul. lib. natant. varif. submersae  
caulis in formam folii dilat. (frons) articulata, plures  
fol. alterum ex altero egredientia simulant, subtus ra-  
dices simpl., apice calyptratas emittunt, flores in fissura  
marginali frondis (spathae) propter.

—	Lemna trisulca	} Lin.
—	polyrrhiza	
—	minorrhiza	
—	gibba	

### Typhaceae.

(inter Pandaneae, multa pars di. Cyclolobaeae, vulg. pif  
mudru di. Palmes pfligru, nammunt.)

St. monoci in spadices densissimos cylindricos v.  
globos congesti; spadices superior. mar. inferior fem.  
perigon. e squam. v. pteis s v. pluribus formatum, mar.  
stam 3 v 2-4, lib. v conn. seu potius anth 2 v. plures filam  
simpl. infid. fem: ovar lib. 1-ovul. ovulo pendulo, styl.  
simpl; stigma simplex; pericarp. indurif. embryo rectus,  
in centro albuminis.

Herbae palustres, simpl. v. rarius ramosae; folia  
linearia, basi vaginantia.

### Typha. Lin.

Rad. cylindr. infer. femin. super. mar., mar: stam. fertilia,  
gemin. v. quaterna, filam. conn. pteis erectioribus (nempe  
stam. sterilib.) apice dilat. et multifidius cincta, fem:  
ovar. basi pteis cinct., demum longe stipit., styli elongat.  
capillaribus stigma dilatatum, utricul. 1-ferum  
stilo persistente coronatus.

Herbae palud, erectae, radice repente; caules teres, simpl.  
e nodis foliat, folia linear. basi vaginantia, spadices  
caulem termin. cylindr., femin. fol. caduco, mar. spa-  
tha decid. suffultur.  
T. latifolia. L.

Sparganium. L.

Spadic. plur. glabro, infer. femin. super. masc. her:  
stam. fertilia, singula, plurib. steril. filif. apice  
membran. dilatata. integ. v. 2 fid. cinct. Fem: ovar.  
sess. petis cinct; styl. brev. stigma dilatab. drupa sicc.  
monosperu, psplic.

Herbae palud. v. aquat. erectae v. natant. caulis  
foliat. simpl. v. ramos; folia sparsa, sess. linear. v. basi  
triquetra, basi vaginantis.

- Sparganium raucifum Hudf. (erectum L.)
- \_\_\_\_\_ simplex Hudf. (erectum B. L.)
- \_\_\_\_\_ natans L.

Troideae.

Spad. carnos. simpl. totus v. ex parte florib. tect.  
1-sexual. nudis v. hermaphrodit., perigon. 4-6 phyllo  
instructis; stam. in unisexualib. subsess. v. ovarium in  
hermixta v. supra ovar. collocata, in hermaphro-  
ditis perigoni squamis opposita, filam. praedit.  
ovar. lib. 1-3 loc. multioval. styl. 1 v. stigma  
sessile, pericarp. indehisc. siccum v. baccat. sem.  
salit. v. plura, albuma; embryo in axi alba-  
minis reclusus, teres, rima longitudinaliter instr.

Herbae rarius arborescentes, rhizom. tuberoso  
v. repente; folia varia, saepe partita, pedata  
peltata, rarius graminu; spadicea spathe saepe  
colorata, ampla inclusi.

Calla. L.

Spatha explanata, remota, persist. spadix cylindr. un-  
dique pistillis permultis et staminib. crebriorib. in  
ordinate tectus, squam. intercedentibus nullis. her:  
stam. filamentum lineari-complanatum; anthera  
didyma. Fem: ovar. sess. 1 loc. 6-8 oval. stigma sess.  
orbiculare; bacca 1 locul. 3-8 speru.

Herba palud. aeris, rhizom. repente, genicula-  
to; fol. cord. cuspidata, petiol.; petioli inferae

vaginati, vagina superne libera; sepi axillares, spatha extus viridis, intus alba, bacca rubra.

Calla palustris. L.

Acorus. L.

Spatha sepium continuans foliifera; spadix cylind. undique florib. hermaphrod. oblect. sep. 6 persist. stam 6, hypogyna, filam. linearib. complanatis; antherae reniformes, 1-loc. ovarium trigonum, 3-loc. loculis plurioovulatis; stigma sepi. obtusum; capsula 3-loc. indehisc. subcarnosa, oligosperma.

Herbae palustres, aromatici, rhizon. horizontali; repente, caudato; fol. disticha, linear. basi equitantia; sepi compr. angulo exteriori acuto, infer. obtuso et canaliculato.

A. calamus L.

Orobanchaceae.

(Mit v. Frideae zinnigst namentlich, in demselben p. fil v. Strymyrtizaceae u. Myrsinif v. Muspiceae, in demselben v. Apocynif.)

Perigonium adnat. petaloid. 6 partit. irregulare, lacin. 3 exter. et 2 inter, lab. super. v. galea, tertia forma et saepe directione diversa; lab. inferius v. labellam referentes; stam 3, ovas. inserta, filam. cum stylo in gynostemium connata, 2 lateralia sterilia, 1 fertile v. rarius 2, lateralia fertili, tunc intermedio sterili; anth. bilocul. locul. saepe 2-4 locellatis, discreti et stylo adn. v. coaliti et tunc v. immobiles et persist. v. mobiles deciduae; pollen in massas granulatas v. ceraceas, pedicellatas, conglobatum, pollinis v. solubilibus v. per fila elastice cohaerentib. stigma: in anterio. re et super. gynostemii parte area viscosa, rostellis termin. ovas. adn. 1-loc. multioovul. placentis parietalibus capsulae raris 3 longitudinaliter dehis. polysperma; semina minutif. scobif. embryos ad basin albuminis carnosus

Herbae terrestres, parasit. v. pseudo-parasit. radicibus

saepe tuberosis v. fascic; folia vaginantis v.  
amplexicaulia, interdum in squamas decoloras  
mutata; flores saepe spic. racemosi, bracteati,  
discoloros, picti, plerumque punice.

Conspicuas generum:

I. *H. monandri*

A. Anth. cum columna continua

a. labellum calcaratum:

- 1. burficula ad basin loculorum anth. " Orchis.
- 2. " " " " " " nulla

d. labellum 3-fidum

Gymnadenia,  
Platanthera.

β. " integrum

b. labellum scalcaratum

- 1. burficula ad bas. locul. anth. — Ophrys.
- 2. " " " " " " nulla — Herminium.

B. Anthera distincta

a. pollen granulofum

1. labellum interruptum

α. gynostemium elong. ovar. contort. — Cephalanthera.

β. " abbrev. ovar. rect (atten. in sp. cont) Epipactis.

2. labellum continuum

d. " bifidum

αα. gynostemium brevif. cucullato-productum — Listera.

ββ. " elongat. postice nudum — Neottia.

β. labellum integrum — — — Goodyera.

b. pollen ceraceum

1. labellum scalcaratum — — — Malaxis.

2. " calcare brevi, adnato — — — Corallorhiza.

II. *H. diandri*

Cypripedium.

I. Ophrydeae.

Pollinia lobulata, elaprice cohaerentia, antherae  
tota adnata.

Orchis L.

Perig. lacinia suprema cum binis interior. in  
galea conio. labellum patens, gynostemio brevi ad  
antheram roque adnatum, aestiv. erectum, 3 div. pubtes  
postice calcaratum; anthera tota adnata, loculi 4, infer-  
re accumbentes cum interjecto processu rostellii, basi



burpic. comm. conjuncti; pollinia 2, granulosa lobulata, ovarium contortum.

Herbae terrestres, radices 2-tuberiferae, varios. fasciculatae; caulis simplex, foliatus; folia sub-juculenta; flores seof. spic. bract.

- 1 *Orchis militaris* L.
- 1 ——— *notulata* L. } tubera indivisa; bract. univaria
- 1 ——— *maculata* L.
- 1 ——— *latifolia* L. } tub. palmat; bract. plurimero, saepe reticul-venosae.
- ( ——— *angustifolia* (varietas praeced. spec.)

Anacamptis. Richard.

Glandulae pedicellarem in unum connatae, cetera ut in Orchide.

*Anacamptis pyramidalis* R. (*Orchis pyram.* L.)

Gymnadenia. R. Br.

Burpicula ad basin loculorum anth. o, cetera et habitus Orchidiv.

1 *Gymnadenia conopsea* R. Br. (*Orchis conopsea* L.)

Platanthera. Rich.

Perig. ring, lamina suprema in galeam connis, labelium patens, gynostaeum brevi basi adn. elong. lineare, indivisum, calcarat; anthera tota adnata, basi respello plano, adn. intret, burpicula deplutata, loculi #, distanter; pollinia 2, granulosa, glandulae disciformes nudaae, lateraliter affixae; staminodia perspicua; ovarium contortum.

Herbae terrestres, glabrae; caulis basi 2-fol. flor. seof. laxae spic. bracteati.

1 *Pl. bifolia* Rich. (*Orchis bifolia* L.)

Ophrys. L.

Perig. patens; labell. patens, ecalcarat; gynostaeum ad antheram usque adnatum; anthera tota adnata, loculi #, basi disjuncti, respellum o; pollinia lobulata, pedicellata; glandulae quaeque burpic. propriae

inclusa; ovarium non contort.

Herbae terrestres, radices globofo-2-tuberiferae; caulis simpl, foliatus; flores pauci in racemo laxo racie picti, insec aemulantes.

*Ophrys myodes*. Swartz. (*O. mucifera* Turcz.)

Hermineum. R. Br.

Perig. campanul. laciniis labelloque erecto, callum basi sacc-globum, obtuse carinatum, scalcaratum; burpicula ad basin locul. anth. o, cetera Orchidid.

Herbae terrestr. glabrae, radix bituberosa, tubero altero junior remoto, caulis basi 2-foliatus, flores dense spicati, bracteati, parvi, albidi, lacini perigonii interior. 3-lobat., lobo medio elongato, labello profunde 3-fidum, laciniis lateralib. hastato-patentib.

*H. monorchis*. R. Br. (*Ophrys monorchis* L.)

II. Limodereae.

Antherae liberae, pollinia lobulata, elapice cohaerentia v. granulata, glandulae nudaee, saepe basi adhaerentes.

Cephalanthera. Rich.

Perig. lacin. erect. subconniventes, labello callicarat. geniculat. articulo infer. (hypochilio Rich) saccato, concavo, superiore (epichilio) lamelloso, hypopaeonium elongatum; anth. termin. lib. loculi contig. parall; staminodia clavul.; ovarium contortum.

Herbae Sylvicolae, terrestri; radice fibrosa, caulis foliatus; folia membranacea, nervosa; flores subsopiles, laxe spicati, bracteati.

*Cephalanthera cusifolia* Rich.  
(*Sp. Serapias cusifolia* Schmidt.)  
" *grandifolia*. Liu.)

Epipactis. Rich.

Perig. campanulato-patulo; labellum et anth. ut in Cephalanthera, gynostemium abbreviat, ovarium non contortum, attenuat in stipit. contortum.

Herbae terrestr. rhizomata repens, caulis simpl. foliat. folia nervosa, membran. flores pedicell. laxi racemosi, bracteati, viridesc. v. colorati, puberuli.

Epipactis latifolia. Allioni

— varietas: a.) viridiflora

1 — palustris. Krautz. (b.) atro-rubens.

Listera. R. Br.

Perig. ringens, lacini in galeam connis. labellum ecalcaratum, reflexum, apice 2-fidum; gynostemium brevissimum, postice terminatum, proceps ovato v. 2-dent. in cujus basi v. apice anth. inserta est, anth. lib. sep. persip. locul. contig. parall. pollinia granulata, nectello canaliculato, lamella integra; ovarium non contortum.

Herbae terrestr. radice fibr. fasciculat. caulis bifolius, fol. sep. lata, opposita, coarctata, flores pedicellati, racemosi, bracteati, virides.

Listera ovata. R. Br. (Ophrys ovata L.)

Neottia.

Perig. ringens, campan. fulgaleat; labellum coarctat porrect, basi concav. apice bifid. exsertim, anth. termin. lib. sep. margini posteriori gynostemio sublongato inserta, persip. locul. contig. pollinia granulosa, nect. lamell. linguaeformae, integ. staminodia 2; ovar. non contort.

Herba in radice parasit, pallide fuscocens, radices fascicul. fibris carnos. intricatis; caulis aphyllus, bracteatus; flores pedicellati, racemosi, bracteati.

N. nidus avis Rich. (Ophrys nidus avis L.)  
Epipactis Allioni.)

Goodyera. R. Br.

Perig. in apice ovarii cernuum, ring; labellum ecalca-

ratum, inclusum, inferne saccato-gibbata, superne recurvum; gynostemium abbreviat; anth. lib. pone rostellum insertum, spir. persp. loculis contiguis; pollinia granulosa, rostellum lamellatum, bifidum; Haminodia 0; ovar. non contortum.

Herbae terrest. repentes; caulis inferne foliatus; fol. membranac. v. coriacea; flores breviter pedicellati, spicati, bracteati.

*Goodyeria repens*. R. Br. (*Neottia repens* L.) Gr. & Nees. *Goodyeria*.

III. Malaxidinae.

Antherae liberae; pollinia ceracea.

Corallophora. Halck. R. Br.

Perig. ringens; labellum basi cum lam. perigonii lateralib. conjunctum et calcar breve ibidem adnatum referens; anth. lib. loc. bilocellat (androclynum quadrilocell. Rich) terminal. decid. pollinia 4, duo in quolibet loculo, denique ceracea, sub antherae glandulae communi; ovar. non contortum.

Herbae terrest. (verisimilime parasiticae); radice ramosa, dentata, coralloidea; caulis simplex, vaginatus, aphyllus; flores breviter pedicell. spic., pedicellis breviter tor- tis, basi 1. bract.

*Corallophora innata*. R. Br. (C. intacta)

Malaxis. Swartz.

Perig. patentissimum, labellum posticum, in lego, basi cucullatum; gynostemium brevif., amplectens & calcaratum; anth. term. lib. spir. persp.; locul. dissidet.; pollinia 2 in quolibet loculo, compr. ceraceo-folida; rostellum laminatum; anth. adaequans; ovarium non contortum.

Herbae paludes, glabrae; caulis simplex, aphyllus v. plurifolius (basi bulbos.); fl. racemosi, minuti virides, lutescentes.

*M. monophyllum* Sw. (*Ophrys monoph.* L.)

*M. paludosa* (Swartz) Swartz.

## II. Cypripediace.

Flores diandri, antherae 2.

### Cypripedium L.

Perig. patens, labellum ventricosum, inflatum, calceoliforme, gynostemium breviusculum, apice 3 fid., lob. lateralib. antheriferis, medio maximo, clypeato, sterili; pollinia granulata demum ceracea; rostellum 0; ovarium non costatum.

Herbae terrestres; radices fibrosae, caules foliosi; fl. terminales solit. v. geminati, speciosi, varie picti.

Cypriped. calceolus. L.

### Iridaceae.

Perig. basi ovario adnatum, petaloid. 6-partit. stam. 3 basi segmentata, exterior. perigonio inserta, anth. extrorsum dehiscentes, ovas. 3-loc. multiovulata, ovulis biferialib., placentis centralib., stigmata 3, simpl. v. laciniata v. petaloid.; capsula loculicide 3-valvata, valvis septiferis; embryo album. inclusus.

Herbae radicibus tuberosis v. bulbosis v. rhizom. dichotomo ramoso; caulis simpl. v. nannopus v. ~~puber.~~ subnullus (Crocus); fol. ensiform v. linearia flores spatibus instructi, plerumque speciosi.

### Gladiolus L.

Perig. corollinum, basi tubulos., limbo profunde 6-partito, irregulariter subbilabiato, stamina 3 tubo inserta, lacin. perig. exteriorib. anteposit.; filamenta filifera, ovario adnata; stigmata 3, sursum dilatata; capsula 3-locul. 3-valvis, sem 0; membran. marginal. radix bulboso-tuberosa; caulis simplex; fol. iridea; basi equitantia, disticha; flores in spica simpl. secundi, saepius nutantes; spathe bracteis binis persistentib. instructa.

Gl. imbricatus. L. (huius generis.)

in h. Annapolis!

Iris. L.

Perig. corollin. basi tubulos. limbo 6-partit; laciniis  
3 altn. exteriorib. reflexis, 3 interioribus erectis v. connis.  
plerumque minoribus; Stam 3, lacin. exteriorib. basi in-  
serta, filam. filiform. v. subulata, ovar. adn. styl.  
3-quetri; stam. 3 petaloid, bilab. lab. superiore ma-  
jore, bifido; capsula 3- v. 6-gona, 3 locul. 3-valv. polysperm.

Herbae perennes, rhizom. tuberoso repente, rarif. bul-  
boso; caul. simplex v. ramof. interdum subnullus; fol. iri-  
cea, ensiform. equitant. v. linear. interdum 4-gona, di-  
sticha; flores speciosi; termin. solit. v. cyma contracta  
subpicati, spatul. 1-2 v. plurifloris.

Iris Pseudacorus L.

Iris sibirica. L. (Willd. Man. bot.)

Asparagaceae s. Smilacaceae.

Perig. lib. petaloid. bifid. v. 6-phyll. v. 4-8, partit.  
Stam. tot quot perig. lacin. receptaculum v. perig.  
inserta; antherae introrsae; ovar. lib. 3-loc. loci-  
pluri-ovul. ovulo angulo centro affixo; stylus unicuus  
v. 3, rarissime 4 (Paris); fruct. bacc. indehsc. 2-rarif-  
4-locul. interdum abortu 1-loc. locul. poly v. 1-sperm.; em-  
bryo album. inclusus.

Herbae v. frutt. volubil. v. arbores (Tracaena); radices  
saepius fibrosae v. rhizoma repens; fol. sess. v. am-  
plexicaul. sparsa v. subverticillata interdum cirrhosa;  
flores quandoque abortu 1-sexual.

Paris. L.

Perig. horizontaliter patens, ad basin usque 8-10  
partit, lacin 4 (5) exterioribus calycem 4 (5), interi-  
orib. angustior. corollam referentib., interdum 0;  
Stam 8, anth. in med. filam. adnatae; styli 4, stigma  
ta simpl. bacca 4-locul. locul. 4-8 sperm.

Paris quadrifolia L.

Convallaria. L.

Perig. corall. campan. v. tubulif. 6-fid. v. 6-dent.  
regulari, marcesc. dem. deciduum; stam. 6. perig.  
inserta, in clava; filam. filiform, ovaria 3-loc.  
locul. subbiovul. (3-7 ovulat. tunc); styl. simpl.  
Stigm. obtus. 3-gon.; bacca globosa 3 v abortu 2-1 lo-  
cular. loc 1-2 sperm.; sem. hilo magno notata.

Herbae acaules v. saepius caulescentes, rhizom.  
horizontali repente; caulis simpl. foliat.; fol.  
sparsa rar. verticillata v. oppos. membranacea  
nervosa, interdum circosa; pedunc. axill. 1-2 v.  
racemoso-pluri-flor. v. scapus radicalis nudus,  
racemos. - multi-flor. pedicelli basi bract.; flor.  
albi v. raris. rosei.

Convallaria majalis L.

———— Polygonatum L. (Polyg. val. Redoute)  
———— multiflora L.

Smilacina. Desfont.

Perig. corollin, 4-6 sep. regul. patentif. v. reflex, deciduum;  
stam. 4 v. 6. sepalorum basi inserta; filam. filiform, ovar. lib  
2-3 loc. loc. 2 ovul, styl. brevif. stigma obtus. obsoletate 2-3  
lob, bacca globosa 1-2-3 sperma, sem. glob. albid. hilo magno  
fusco.

Herbae rhizom tenui, ramoso, fibrilloso, repente; caulis sim-  
plex, foliatus, fol. sparsa, lata, membranac. nervosa; flor. in  
apice caul. racemosi v. paniculati, parvi, albi.

Smilacina bifolia Desf. Convallaria bifolia L.

Majanthemum bifol. Del et Koch  
———— Convallaria Wiggors

Liliaceae (v. Tulipaceae).

Perig. lib. petaloid. 6-fid. v. 6-phyll. stam. 6, receptac. v. perigo-  
nio inserta; anth. introsp, ovar. lib. 3-locul. locul. multiovul.  
ovulis biferiatis, angulo centro affixis; stylus simpl; stigma 3 aut  
in 1. triquetrum connata; capsula loculicida 3-valv, valvis  
medii septigeris; embryo album. inclusus.

Herbae radicibus saepe bulbosis, acaules v. caulesc.  
rar. arborescentes, fol. plerumq. linearia; flor. saepe

speciosi, magni, racemosi, in umbellam congesti v.  
solitarii, bracteati v. ebracteati.

Lilium. L.

Perig. corollin. 6-sepal. regulare, decid. campanul. v. reco-  
lut. ~~saepa~~ basin versus inter pelcomellifero, canaliculat.  
v. tubuloso clauso infis; stam. 6. basi petalorum adhaer. filam.  
Inbul. ovar. 6-fidata, 3-loc. loc. pluri-ovulat. styl. simpl.  
clavatus; stigma apice 3-lob. capsula 3-loc, loculicide 3-  
valvis, polysperma; sem. plana horizontalia, 2-serial.  
testa spongiosa, bulbos squamos. Caulis saepe bulbifer.  
simpl. foliat; fol. sparsis v. verticill. apice 1-multi, fls.  
flosculis umbell. corymbosis v. racemosis, erectis v. cernuis.

L. martagon L. (bin. Hooker's Journ; Jussul Orpl.)

Asperodeleae.

Allium. L.

Perig. corollin. 6-sep. sepal. subaequal. patentib. v. cam-  
pan. conniv, basi plus minusve conn; stam. 6. basi sepal.  
inserta, lib. v. monadelphae, anther. incumb, ovar. lib. 3-locul.  
loc. 2-v. pluri-ovulif. 1-ovulat. styl. filif. erect. stigma simpl.  
integr, capsula membran. 3-locul. loculicide 3-valvis; sem.  
angulata, integumento (seu testa) membranac. atro.

Herbae saepif. bulbos. saepe glaberrim. caules  
simpl. foliat. v. nudif. scapif. solidi v. fistulosi; fol. cava  
v. solida, plana, semiteretia, teretia v. angul. flores



umbell. congesti; umbella spatia 1-2 valvi, membran. cinct.  
 - interdum bulbif., pedicelli basi bracteol., fl. carnei  
 albi, flavi, varif. coerulesci.

- Allium ursinum* L.
- *vineale* (v. *arenarium*) L.
- *caninatum* L. Schmidt.

Gagea. *Salisbury* (*Ornithogalum* L.)

Perig. corollin. 6-fepal. perisperm. sep. subaequal. patulis;  
 Stam. 6. fepal. imae basi inserta, filam. subul. basi  
 haud dilatata, anth. erect. ovar. lib. 3-loc, styl. indiv.  
 Pigm. 3goni; capsula membranac. 3-loc. loculicide 3-  
 valv. semina in locul. pauca, subglobos. testae-furca.

Herbae bulbiferae, caul. simpl. scapiformis apice folios.  
 corymboso-plurifloris, rarius unifloris, fol. caulina  
 - pedunculo fulciantia, flor. flavi, stria dorsali vi-  
 ridi in fepalis.

- |          |   |   |
|----------|---|---|
| radix    | } | <i>Gagea spatulacea</i> Schultes ( <i>Ornith. minima</i> L.<br>var. <i>β</i> Wehler.              |
| e bulbis |   |   |
| duobus.  | } | — <i>minima</i> Schultes <sup>tri-annuat.</sup> ( <i>Ornith. min.</i> L.)                         |
|          |   | — <i>Stamburgii</i> Hoppe   |
|          |   | — <i>gracile</i> Hagen.   |
|          |   | — <i>lutea</i> Schultes ( <i>Ornith. luteum</i> <i>β</i> L. <i>Ornith. sp.</i> <sup>Perf.</sup> ) |
|          |   | — <i>pusilla</i> Schultes. <sup>Perf.</sup> <i>Perfoni</i> Hoppe.                                 |

Colchicaceae.

Perig. lib. 6-fid. 6-phyll. Stam. 6. receptaculo v. perig. inser-  
 ta; anth. extrof. ovar. e carpell. 3. v. omnino conn.  
 gamostylis v. basi tantum cohaer. styl. v. stigmatib. 3  
 pluriovul. ovulo angulo centro affixo, folliculi 3 v. capsula  
 3locul. ferticide 3 valv. A sutura ventrali dehis; semi-  
 na albuminosa.

Herbae bulbosae, acaul. v. radice fibros. caulescent.  
 caespit. fol. varia; flores solitarii v. congesti  
 v. spicati v. panicul-racemosi.

Taffieldia. Huof.

Perig. 6-sep. regul. corollin. perisperm. stam. 6. basi sepal. inserta; filam. subul. anth. dorso affixae, cordatae 2-rimosae; ovaria 3, intus basi conn. multiovul. styl. 3, distincti, subulati; stigmata simpl, capsulae 3, angul. ventral. utra med. conn., intra apice dehisc. polysperma; semina oblonga, subquadrangul.

Herbae caespitof. 4; radic. fibros. fibr. coarctiore. Caul. simpl. foliat, fol. iridec-gramin, equi- stantia; flor. spic-racemofi, termin. pedicell. brevit. basi, var. 3-bract. bractvol. 3 conn. sub flor., var. 0.

Taffieldia calyculata. Wahlenb. In paludibus.

Juncaceae.

Perig. lib. 6-phyll. glumaceum. stam. 6. var. 3. sep. oppos. filam. subul. stricta, anth. biloc. ovar. simpl. styl. 1; stgm. 3 filiform. pilosa; capsula polysp. 3 valv. valvis medio septifer. v. 3 peru., valv. septo destitutis; embryo in albumine corpore.

Herbae 4 v. 0; fol. gramin. v. teretia, interdum purie articul.; flor. in athelam congesti.

Juncus L. Sel.

Perig. 6-sep. regul. perisperm. glumac. stam. 6. var. 3. filam. brevia, lib. ovar. 3-loc. loc. multiovul.; styl. 1. saepe brevis firmus; stigmata 3 filiform.; capsula 3-loc. cauli ada 3 valv., valv. medio septifer. poly speru.

Herbae caespitofae 4 v. 0, paludos. v. hygrophilae. Calami simpl. varios. ramosi, aphylli v. foliati; fol. basi vaginata, saepios. teretia v. canalicul. varios. plana gramin., in floriferentia gymosa; fl. basi bibract. solid. foveicul. congesti v. capitati.

- Juncus conglomeratus L.
- effusus L.
- balticus Willd.
- filiformis L. (viridula Hoff.)

- Juncus oblatiflorus, Ehrh.
- sylvaticus, Reichb. v. d.
- furcatus, Schrad. (alpinus, Villars. nodulosus, Wahlenb.)
- lupinus, Moench. (verticillatus, Pers.) var. Kungol.
- squarrosus, L. var. Graef. Juncus.
- Gerardi, Leiv. (botanicus, Wahlenb.)
- bulbosus, L. (compressus, Jacq.) Ait. v. Juncus.
- buffonius, L.

Luzula, Del. (Juncus.)

Perig. 6- sep. regul. persist. glumae, Stam 6. filam. breviss. lib.; ovar. 1- locul. locul. multilocul. styl. 1. Stigmata 3. filiform. capsula 1- loc. 3- valv. valvulis septo distinctis, 3perm. semina basi v. apice appendiculata.

Herbae caespitosa; caules foliati; fol. gramin. basi vaginantia, vagina integra; inflorescentia cymosa seu anthela; flores basi 2-4 bracteati, solitarii v. spicato-congesti.

- Luzula vernalis, Del.
- syn. Luzula pilosa, Willd. Juncus pilosus v. L. J. vernal. Sch.
- Luzula campestris, Del. (Juncus campestris, L.)

Cyperaceae.

Flores glumaci, hermaphroditi v. dielines, in spiculis dispositi; glumae 1- valv. v. 2- valv. et hinc interior v. rhachi adu. (Cyperus) v. in utroque colum transform. perigon. dict. perig. 0 v. e pctis 6 v. pauciorib. v. plurib. constans; Stam 3. antha apice integ. (var. Stam 2.) ovar. lib. styl. simpl. Stigm. 2 v. 3. caryopsis 3-angul. v. compressa, nuda, v. pctis cincta v. perigonio arcto inclusa; embryo minimus, in albumine farinaceo.

Herbae saepe caespitosae; fol. gramin. vaginant. vagina integra, saepe ligula cincta; spicula v. in anthelam congest. v. racemosae, interdum 1- sexualis.

Conspectus generum:

- 1. Fl. hermaphroditi
  - A. Spiculae multiflorae
    - 1. squamae distichae - - - - Cyperus.
    - 2. ——— imbricatae
      - a. setae hy rigid, breves - - - -
      - β. caryopsis basi styli incrass. rostrata - Eleocharis.
      - γ. ——— mucronata - - - - Scirpus.
      - δ. setae ∞, capillares - - - - Eriophorum.
      - ε. — nullae - - - - Juncus.
  - B. Spiculae pauciflorae
    - 1. squamae undiq. imbricatae
      - a. caryopsis setis destituta - - - Cladium.
      - b. ——— cincta
        - α. basi styli rostratae - - - Rhynchospora.
        - β. ——— mucronata - - - Plysmus.
    - 2. squamae distichae - - - - Chaetopora.
- II Fl. diclines - - - - Carex.

Gramineae.

Floris glumae. hermaphrod. v. 1-sexual. in spiculis 1-multiflor. dispers. Gluma infima vacua bivalv. valv. distinct. rar. 1-valv. v. deficiens (calyx. &c.) Glumae sequentes (glumellae) bi-valves valvulis (pallis) exteriori aequal. interiori quasi e binis conn. med. hyalina. Squamulae 2-5 intra glumellam (Lodiculae). Stam 3, squamulis altern. rar. 6 v. abortu 2-1, hypog. Anth. basi et apice emargin. Ovar. lib. styli 2 v. 1. Stigmatib. 2. Caryopsis album. farinac. Embryo extra album. ad basin ejus situs.

Radices fibrosae v. repent. Culmus nodosus. Folia basi in vaginam firmam convoluta, vagina apice inter ligula infra linearia

Conspectus generum:

- I. Inflorescentia paniculata, rarij. spicata, spicis spiculatis v. panicul.
  - A. Spiculae uniflor.
    - 1. Pedicellus flor. alterius stili form. plamof.
    - a. Palea inferior dorso aristata - - - Calamagrostis.
    - b. ——— subapice macrombl. v. aristata - Ammodramis.

2. Pedicell. flor. alterius o. v. minutus, glabratus
- a. Flores 1- paleae. (Panícula spicaformis) — — Alopecurus.
- b. — 2 — — — — —
- d. panícula spicaformis
- aa. rudimentum flor. inferior. solitarii binomiae — — Phalaris.
- b. — — — — — — — — — — Phleum.
- β. panícula diffusa
- aa. paleae subcoriac. infer. superiores amplexens — — Milium.
- c. paleae membran. laterae
- aa. flox basi pitis longis cinctus — — Calamagrostis.
- bb. — — — — — brevif. fultus
- aa. valva infer. longior — — Agrostis.
- ββ. — — — — — minor — — — — Apera.
- B. Spiculae proqui-florae, fl. alter. hermaphr. alter. 1- sexual v. caeter.
1. Flor. <sup>inter</sup> hermaphr. — — — — — Holcus.
- 2 — super — — — — —
- a. uterque nuntius
- α. spiculae pter involucentes — — — — Setaria.
- β. — — — — — ospitales — — — — Panicum.
- b. uterque crispatus — — — — — Arthonaterum.
- C. Spicul. tri-flor. fl. termin. hermaphr.
1. fl. infer. bipallae maruili — — — — Hierochloa.
2. — — — — — unipal. neutri — — — — Arthoxanthum.
- D. Spiculae compositae biflor. flore utroq. hermaphr.
1. Arispa paleae inferioris articulata, apice clavata — Cynopogon.
2. — — — — — continue apice atea. — — Hira.
- E. Spiculae 3- multi-flor, flor. summo v. plurib. tabescentib.
1. Paleae inferiori. nuntiae
- a. Fl. infim. masc. reliqui hermaphr. — — — Pragmites.
- b. Fl. 1-2 hermaphr. reliqui tabesc. clavate conferti — Melica.
- c. Fl. omnes hermaphr. unico termin. tabescenti
- α. palea infer. apice integer
- aa. strigata simpl.
- aa. palea infer. femiterbli-conv.
- aa. Flores conici acuti — — — — Molinia.
- ββ. — — — — — semicylindrici obtusi — — — — Glyceria.
- bb. palea infer. dorso carinata — — — — Poa.
- b. strigata ramosa — — — — — Briza.
- β. palea infer. apice tri-dent. — — — — Triodia.
2. Pal. inferiores aristatae
- a. arista tortilis — — — — — Avena.
- b. — — — — — stricta
- α. ovarium glabrum
- α. spicul. pectiniform. steril. hermaphroditis intermixtae — Cynopus.

b. Spiculae pectiniform. periles 0

α. Spicul. glomerat. confertae unilateral. - Diactylis.

β. Spicul. subspicatae

α. Squata filiform. ex apice floris egressa - Scleria.

β. — plumosa ad cetera — — — — Koeleria.

γ. Spiculae segregatae — — — — Festuca.

δ. ovarium apice villosum — — — — Bromus.

II. Inflorescentia spicata, spica solitaria

A. Spiculae 2-v. multiflorae

1. solitariae

a. rachis contrariae — — — — Lolium.

b. — parallelae — — — — Triticum.

2. geminae v. quaternae — — — — Elymus.

B. Spiculae uniflorae — — — — Xardus.

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Gratiola  
Fragaria  
Fragaria  
Cochlearia  
Anagallis  
Trichostema

Euphrasia  
Fragaria  
Gratiola  
Fragaria  
Cochlearia  
Anagallis  
Fragaria.