Genera plantarum Livoniae indigenarum.

a Cl. Prof. Dr. Bunge tradita

Sem. II. A. 1840

Dr. F. Buhse's
Nachlass.

Scripsit

F. A. Buhse

Phanerogamae.

Anm. die Reihenfolge der Familien ist nach Decandolle, R. Brown, Roth u. s. w.; die neueren Versuche d. Familien zu ordnen, wie von Bartling, Endlicher, Meyen, Lindley sind gesehen, aber nicht benutzt.

Plantae vasculares vel cotyledoneae

Plantae contextu cellulosо vasisque constantes, stomatibus donatae; radicibus, caule foliisque veris instructae; flores distinctae et symmetrici; embryo spermodermio inclusus, cotyledonibus instructus.

A. Dicotyledones.

Flores distincti, symmetrici, pentameri, rarius tetra, rarissime trimeri. perig. plerumq duplex, rarius simplex et tunc calycinum, rarissime corollare seu corollinum, raro nullum; embryo cotyledonibus binis oppositis, rarius pluribus verticillatis. — Radix fusiformis vel fibrosa, interdum tuberosa, nunquam vere bulbosa; caulis e corporibus ligneo et corticali constans, teres, rarius tetragonus (nunquam trigonus), circa medullam centralem strata ligna corticalibus inclusa, productiones sic dictae medullares trans corticem et lignum radiantes; fol. saepe opposita, verticill. vel sparsa in caule articulata, plerumq petiolata, saepe stipulata, lamina dilatata, nervis divergentibus, rarius phyllodia, fol. saepe composita.

I. Thalamiflorae seu Thalamiflorae

Cal. polysepalus, pet. plurima, distincta stamina thalamo inserta.

1. Ranunculaceae

Sep. 3/5 vel plura, saepe colorata, petaloidea; pet. 5 vel

plura, hypogyna, interdum nulla; stam. plurima, rarius 5, hypogyna, libera; antherae adnatae biloculares, subextrorsae; pistilla saepius plurima, rarius pauciora, imo solitarium, plerumque libera, rarius connata, uni- vel pluri-ovulata, verticillata vel spiraliter in toro elongato disposita, carpella totidem, ~~vel~~ saepissime sicca vel monosperma, indehiscentia, vel polysperma sutura ventrali dehiscentia, rarissime baccata; embryo minimus, in albumine carroso prope hilum.

Herb. plerumq perennes saepe annuae, acres, virosae. Fol. sparsa, rarius opposita, exstipulata, petioli basi vaginantes, limbo partito, rarissime phyllodia, Flos solitario vel plures, plerumq in florescentia definita.

Verwandtschaft: DiC. grenzt sich in die Nähe der Magnoliaceae & Dilleniaceae, nach d. Habitus ist es wohl; & nicht Verwandtschaft zu f. d. Araliaceen, nominatim i. Actaea f. nanus f. Aralia. - Näher f. d. Umbelliferen f. nanus. Verwandtschaften zu d. Lauro d. Fumaria und d. Papaveraceen, so i. f. d. Ranunculaceen, ob d. Form d. Alismac. nanus.

Verbreitung: Vorzugsweise Zone, ist Maximum in Europa und Asien; d. südl. Hemisphäre ist wenig; in d. Tropen ist's nur auf d. Bergen.

1) Fructus sicci

a. Fructus monospermi

α. Petala nulla, cal. 4 sep. subpetaloideus, Thalictrum

2) cal 5–15 sep. petaloideus.

αα) Favolucr. 3 phyllum remotum

1. Carp. longe caudata Pulsatilla

2. Carp. caudata. Anemone

ββ) Favol. approximatum, calyciforme . . . . . Hepatica

β. Petala 5–15.

αα) Sep. 5

1) Stam 5 — Myosurus

2) Stam numerosa — Ranunculus

ββ) Sep. 3 — — Ficaria

β. Fructus polyspermi
α. Fl. ecalcarati
αα) Pet. nulla " " " Caltha
ββ) Pet. numerosa, nectariformia, ligulata " " " Trollius
β. Fl. calcarati
αα) Pet. 5 calcarata, carpella libera " " " " Aquilegia
ββ) Pet. 2 calcarata
1) Sep. superius calcaratum, Delphinium
2) Sep. superius fornicatum, Aconitum
2. Fructus ~~siccus~~ baccatus.
— " — " — " — Actaea.

Thalictrum (L. Biapunrata)

Involucrum plerumque nullum, sep. petaloidea 4, deciduae, pet. nulla, stamina ∞; carp. sicca 4–15, libera, monosperma, gynophoro minuto inserta, semen pendulum.
Herb. perennes, fol. supradecomposita, fl. paniculati. Th. Europe, Asia boreali et America.
Sp. Th. aquilegifolium, angustifolium, 3) flavum. (Th. simplex.?)

Pulsatilla Tourn. Küchenschelle

Inv. 3phyll., foliiforme, remotum, sep. petaloidea 5-6, pet. 0. stam ∞, exteriora in glandulas mutata, carp. sicca, ∞, stylo longissimo barbata apiculata, gynophoro hemisphaerico inserta, semen pendulum.
Herbae perennes, fol. radicalia, palmatipartita vel saepius pinnatim composita, fl. magni, terminales, in caule solitarii, extus villosi.
Sp. P. 1) patens, 2) pratensis 3) vulgaris (Anemone Pulsatilla Lin)

Anemone L. Ranunc.

Inv. 3phyll., foliiforme, remotum, sep. petaloidea 5–15, pet. 0. stam ∞, omnia fertilia, carp. sicca, ∞, monosperma, stylo brevi inberbi terminata, gynophoro hemisphaerico vel cylindrico inserta, semen pendulum.
Radix saepe tuberosa, fol. radicalia, lobata aut ~~digitata~~ dissecta

flor. longe pedunculati, ut plurimum, solitarii.

Sp. An. nemorosa, 2) A. ranunculoides 3) A. sylvestris.

Hepatica. Dillen. (Anemone L.) Leberbl.

Inv. calyciforme, 3phyll., flori approximatum; sep. petaloidea 6–8, pet. 0; stam. ∞. carp. ∞, stylo brevi rostrata; sem. pendulum. Fol. radicalia, 3loba (rarius 5loba vel integra), flor. in scapis solitarii, coerulei.

Sp. Hep. triloba

Myosurus L. Mäuseschwanz.

Sep. 5, aequalia, basi in calcar solidum producta, colorata; pet. 5, sepalis breviora, ungue filiformi, tubuloso, stam. 5. carp. ∞, gynophoro tenui, elongato dense inserta, triquetra, ~~elongata~~ acuta, laevia, monosperma; semen pendulum.

Herba pusilla, annua; fol. angustis, integerrimis, pedunculi scapiformes uniflori, florib. flavis.

Sp. M. minimus.

Ranunculus L. Hahnenfuß

Sep. 5, decidua, pet. 5, rarius plura, supra unguem foveam nectariferam, nudam vel membranacea-marginatam vel squama tectam, gerentia, stam. ∞, carp. ∞ in capitulum globosum vel oblongum congesta, stylo persistenti oblique apiculata, monosperma, semen erectum.

Herbae fol. varie divisis vel integris (phyllodiis), inflorescentiae variae, florib. albis, aureis vel rarius purpureis.

Sp. apud nos inveniuntur duodecim: (R. acris, flammula, repens, lingua, auricomus, aquatilis, sceleratus, divaricatus, lanuginosus, polyanthemos, arvensis?, bulbosus? cassubicus)

Ficaria. Dillen. Scharbock.

Sep. 3 decidua; pet. 8–12, supra unguem foveam nectariferam nudam gerentia, stam. ∞; carp. ∞, in capitulum congesta, obtusa, mutica, monosperma. Sem. erectum.

Radice fasciculata; fol. cordato-reniformia, grosse crenata; flor. axillares et terminales, longe pedunculati, solitarii, aurei.

Sp. Ficaria ranunculoides.

Caltha. Dotterblume, Dotterblumen.

Sep. 5, petaloidea, aequalia. Petala nulla. Stam. numerosa. Carp. plurima, sessilia dehiscentia, sutura ventrali, polyspermia. Sem. horizontalia.

Calthae sunt herbae palustres. Fol. indivisa crenata. Flores terminales, solitarii vel subcorymbosi, lutei.

Sp. C. palustris.

Trollius Trollblume

Sep. 5 ad 20, aequalia, petaloidea, decidua (unt. p. non Aeranthes = ff. ind.) Pet quinque - 20, ligulata basi vel fovea nectarifera nuda in strecta vel tubulosa. Stam numerosa. Carp. numerosa, sessilia. Sutura ventrali, dehiscentia polyspermia. Sem. centralia ~~Sem. centralia~~. Herbae erectae glabrae. Folia palmatipartita. Flor. termini, solitaq magni, aurei vel flavi.

Sp. Trollius europaeus

Aquilegia. L. Akelei

Sep. 5, petaloidea aequalia. Pet 5 aequalia infundibuliformia, calcarata. Stam. numerosa. Plurimi serialia, decem interiora sterilia. Carp. 5 dehiscentia polyspermia. Sem nitida, horizontalia. ♃

Herbae perennes. Fol. supra decomposita. Vernatione induplicata. Flores speciosi, terminales, colore vario nunquam flavo. Sp. A. vulgaris.

Delphinium. L. Rittersporn

Sep. 5, petaloidea, inaequalia, lateralia, plana, summum postice calcaratum. Pet 4 inaequalia, libera. Duo superiora calcarata, calcaribus inclusis, vel omnia in unum calcaratum coalita. Stam plurima omnia fertilia. Carpella vel solitarium vel tria vel quinque, sessilia, dehiscentia, polyspermia. Sem. angulosa, testa spongiosa, horizontalia.

Herbae annuae vel perennes. Fol palmati lobata. Flores racemosi, tribracteati, plerumque coerulei.

Sp. D. consolida

Aconitum Eisenhut. L.

Sep. 5, petaloidea inaequalia, lateralia concava vel planiuscula, superius cassis dictum formatum. Pet quinque 2 superiora, cuculliformia, longe unguiculata, cassidi inclusa. Reliqua minuta, linearia, interdum deficientia. Stam. numerosa, omnia fertilia. Carp. 3 ad 5, sessi-

Art. d. gatt. in C. palustris u. C. radicans; zu gleich ab K. unpaarl. Unterschf.

lia, dehiscentia, polysperma. Sem. angulosa, Testa spongiosa, horizontalia.

Sp. 4. Lycoctonum.

Actaea L. Christophe

Sep. 4 petaloidea, aequalia. Pet. subtr. numero indefinita, de filamentis exteriorbus dilatis, Anthera destitutis. Stam. ∞. Carp. solitarium, baccatum, indehiscens, polyspermum. Sem. compresso-angulosa, laevia, horizontalia. Herbae perennes. Folia tri vel bi pennatisecta. Flor. racemosus, albi.

2. Berberideae Des Fuss.

Sep. 6 vel 4 duplici serie alternantia, rarissime tria, marcescentia, colorata, decidua. Pet. tot quot sep., hypogyna, duplici serie sepalis anteposita, glandulae vel squamae ad basin petalorum. Petalorum numero aequalia duplici serie petalis anteposita. Anth. adnatae, introrsae biloculares loculis valvatim a basi ad apicem dehiscentibus. Carp. solitarium uniloculare excentricum. Placenta filiformis, parietari vel basilari, pluri-saepe quadriloculari. Fructus membranaceus vel baccatus, plerumque ante maturitatem dehiscentes. Sem. solitarium vel quatuor, ad basin placentae adnexa, recta vel horizontalia, embryo in albumine carnoso rectus, axilis, semine brevior.

Frutices cortice lignoque flavo, amaro vel herbae perennes saepe radice tuberosa, vel acidulae, folia ~~alterna~~ sparsa saepe fasciculata, composita vel simplicia saepe acristato-serrata, interdum adaculeos petiolatos redacta. Stip. nullae. Flores racemosi, parvi vel racemi solitarii.

Berberis L. Berberitze

Sep. 6 colorata, extas tri-bi-bracteolata. Pet. 6, basi intus biglandulosa, stam. 6 irritabilia. Carp. baccatum, subdispermum. Frutices spinis palmatis foliisque simplicibus praediti, flores racemosi, flavi, solitarii.

Sp. Berberis vulgaris.

Vinkenispermeen & Laurineen zaigen bepaald Uhrenen bij de Lower & Podophylleen pow. ytt. ifs. Oostindië.

Ze Hetkruisvrita pp. d. mij. ytw. & ifsen z. Grieks. Dan in Azie. Ja fu. voza zoo mar 6 antheen

3. Nymphaeaceae

Sep. 4–6, persistentia, colorata v. extus viridia, aestivatione imbricata, petala plurima, toro inserta v. hypogyna v. toro ovarii adnata, perigyna, pluriserialia, serie alternantia, intima sensim in stamina mutata; stam. ∞, filam. dilatatis; anther. adnatae, introrsae; ovarium pluriloculare; loculis multi-ovulatis; ovula loculorum parietibus affixa, stigma e radiis, tot quot loculi, conflatum, peltatum; fructus subbacatus, coriaceus, multi-locularis; sem. mucilagine obvoluta, albuminosa; albumen saepe conforme; embr. erectus, extra albumen ad basin ejus situs, sacculo inclusus et radicula hinc adhaerens. Cotyl. duae, carnosae, aequales, plumulam lentiformem, bilobam tegentes. (d sacculus wird später f. d Cotyled. umhüllen)

Herb. aquaticae, rhizomate crasso repente, folia longe petiolata vernatione involuta, cordata v. peltata, natantia v. omnino emersa. Fl. magni, longe pedunculati, solitarii.

Ist Form. wir früher z d Monotyl gerechnet; i. d Stud z Hydrocharis gestellt. Nach d Form d Blüte gehört sie hierher, i. d. Bau d Samen d Embr. bei z Reife d Samen d Sach umschließt i. d. t d Würzelchen schon fringt, mögte sie wol z d. Piperaceen od z d Coniferen sogar Monotyl zeigen.

Gehören dem Norden an, bis f d Gattg. Victoria. d Form ist wol d größte Blume d Ditto übertr.

Nymphaea L. Rivoch.

Sep. 4, varius 5, extus viridia, intus colorata, pet. ∞ laevia, stamina toro ovarium obducente inserta, stigma pluri-radiatum, fructus globosus, petalorum staminum basibus cicatricatus; fol cordata v. peltata, fl. albi, coerulei v. rosei.

Sp. N. alba

Nuphar Smitt.

Sep. 5 v. 6, colorata, pet. dorso fovedata, stamina ∞, hypogyna, stigma pluri-radiatum, expansum v. dentatum, fructus ovatus, laevis; fol cordata; fl. lutei, extus virescentes.

Sp. N. lutea v. luteum d grosse Bl. in d. ~~Flüssen~~ fließenden Gewäss.
N. intermedia. (d Marsh d so tief eingedrückt) d kleine Blüm.
N. pumila. In d. frischen Gew. Im Teich b Camby.

4. Papaveraceae

Sep. 2, aestiv. subvalvata, rarius in calyptram connata (sin Eschscholtzia) caduca; pet. 4, rarius 6, 8 v plura, per paria opposita, aestiv. contorte-plicata, stam ∞, rarius 4, 6, 12. (sin

Normalzahl i 4, wenn nicht so stehen v über in 4 Bäuschen beisam.) hypogyna, libera, anth. erectae, ovarium liberum, uniloculare, placentae binae, intervalvulares oppositae, dissepimento spurio connexae v plures parietales, dissepim. diminuta referentes, stigmata placentarum numero, sessilia v stylo imposita, capsula v bilocularis, siliquaeformis v. semi-pluri-locularis, ~~fr~~ sem ∞, rarius pauca v. solitaria, embryo minimus, rectus v longior curvatus, ad basin albuminis carnoso-olerosi, radicula hylum spectante.

Herb ⊙, rarius ♃, rarissime ♄, lactescentes, lactice varii coloris, narcotico v. acri, fol. sparsa, exstipulata, lobata v. dissecta, rarius integra, linearia; fl. solitarii, longe pedunculati v. racemoso-umbellati.

Familien ♂ d Fumariaceen d Ranunculaceen, d Chelidonium d Cruciferen.

Papaver. Lin. Mohn

Sep. 3, convexa, caduca; pet 4, stam ∞. stylus 0, stigma peltatum magnum, 4 ad 20 radiatum (4-20 Nähten lps in v. mere) caps. incompletae, 24-locularis, sub stigmatibus foraminibus dehiscentes; sem ∞, reniformia, scrobiculata (t kl Grübchen).

Herb. plerumque ⊙, latice albo v lutescente; flores solitarii, rarius racemosi.

Sp. P. Argemone (Kinds Gift Dl, bapuarta Früchte)
— dubium

Chelidonium L. Schöllkraut

Sep. 2, convexa, caduca; pet 4; stam. ∞, stylus brevis, stigm. 2, basi connata v stigma bilobum; caps. siliquaeformis, bivalvis, valvis a basi ad ~~ba~~ apicem dehiscentibus (-pf f Dvd d Glaucium), sem ∞, placentis 2 intervalvaribus, filiformibus; dissepimento spurio ~~a~~ connexis, affixa, nitida, supra hilum cristata.

Herbae perennes, latice luteo, pedunculis umbellatis

Sp. Ch. major.

5. Fumariaceae

Zwischengestalten d. Papav. u. d. Cruciferen.

Sep. 2, parva, decidua. pet. 4 inaequalia, nunc omnino libera, nunc basi connata; duo exteriora, anterius et posterius, sepalis alterna, majora, utrumq. v. non nisi unum basi calcaratum, duo interiora, iis alterna, aequalia, limbo plicato, cavo apice calloso-subconnata; glandulae nectariferae duae v. unica intra calcar. stam. hypogyna; 6, diadelpha rarius libera, in phalangibus duabus oppositis, ante petala exteriora sitis. anth. ejusdem phalangis laterales uniloculares (anth. media bilocularis); ovarium uniloculare, pluriovatum; placentae filiformes; stylus simplex; stigma compressum, bilobum v. radicans; fr. siliquaeformis unilocularis, bivalvis v. inflatus v. arcula mono-disperma; sem. nitida supra hylum cristata; embryo minutus, rectus v. curvatus, ad basin albuminis carnosi, radicula hylum spectante.

Herbae tenerae, fragiles; fol. sparsa, varie secta; fl. racemosi, purpurei, coerulei v. flavi. Herbae ⊙ v. ♃ et hanc saepe bulbosae.

Corydalis Vent.

Pet. 4 superius basin calcaratum; stam. diadelpha, siliqua unilocularis bivalvis, polysperma; sem. nitida, supra hylum cristata; embr. curvatus.

Herbae glabrae, ♃, radice tuberosa; caulis ⊙, radice fibrosa, fol. bipinnatim secta, v. ternato bi-tri-pinnati-partita; racemi terminales.

Sp. C. Halleri (b. Mollugo et Filigranen) (C. bulbosa et fabacea?)

Fumaria Lin. Erdrauch

Pet. 4, superius basi calcaratum. stam. diadelpha; fructus nucamentaceus, indehiscens, monospermus. stm. cristata; embr. rectus.

Herbae plerumq. ⊙, glabrae, rad. fibrosa; fol. decomposite-dissecta, racemi oppositifolii.

Sp. Fum. officinalis.

6. Cruciferae

Zwischen d. Papav. und d. Fumar.

Sep. 4, aestiv. imbricata, duo exter. anterius et posterius, placen-

Es können manchm. ☿ blühl, d. optimus 4 ♂. 2 Kreuzgef.)

taria, saepe basi saccata, 2 inter. lateralia valvaria; pet. 4, hypogyna; aestiv. contorta; gland. hypogynae, 2, 4 ad 6, nectarifera inter stam. pet. et sep.; stam. 6, tetradynama, 4 longiora, per paria sepalis placentis, 2 breviora valvariis anteposita; ovarium liberum e carp. binis conatum; stigm. 2, sessilia v. styles imposita, valvis alterna, interdum connata; fructus siliquosus, pl. binis angustis, intervalvarius, ~~v.~~ uni saepius plurivocalatis, dissepimento spurio interdum e vanido connexis; fr. dehiscens lomentaceus v. nucamentaceus. Sem. pendula, in 4 seriebus exalbuminosa; embr. curvatus, radicula ad cotyl. replicata, cotyl. planae, plicatae, vel spirales.

Herbae rar. ♄; fol. sparsae, rarissime oppositae v. verticillata; fl. racemosi; racemi saepissime ~~rarissime~~ ebracteati.

Op. ist d. Cappar. nach warm. d. d. Kreuzb. spricht ist Drabar, einstimmig ist d. Violarien d. Cistineen d. Lein. d. Cruciferen i. a. d. ersten Stam. sind 1200 Arten. Gnz. bis d. Norden an; nicht v. Detal kommt d. größ. Menge zu; in der Schweiz ist fast nur d. Art Heliophila. Europa zieht fast d. Hälfte d. bek. Cruci., obgl. wol Asien grösser Zahl hat; bis jetzt kennen wir nicht 400 asiat. Arten. Bei uns fast d. Anz. d. Cruciferen ung. d. Werth v. 14½ Proc. Ja höher wird Norden, dieses nach Zunah. d. Anz. der. auf Hellville 15 Proc, auf Nowaja Semlja 20 Proc. – Dagg. zieht d. Zuna. Rufus 6 Proc. v. d. Arten. Gnb?

I. Cotyl. planae, ~~accumbentes~~
a. Accumbentes
1. Fr. dehiscens
α Siliqua:
αα. abbreviata turgida . . . Nasturtium
ββ. elongata
1) tetragono-anceps . . . . . Barbarea
2) linearis-compressa
aa. sem. biserialia . . Turritis
bb. sem. uniserialia
α) valvae medio uninervia . . Arabis
β) valv. enervia, elast. dissil.
a. Funiculi semin. filiform. . . Cardamine
b. F. seminales alato-dilatati . . Dentaria

Cardam. ist a fibröse Wurzel
Dent. a gezahnte, fleisch. Wurzel

~~A.~~ β. Silicula
αα. Dissep. parallelo compressa
1) Filam. appendiculata
αα. Pet. bifida . . . ——— Berteroa
bb. Pet. indivisa . . . . . Alyssum
2) Filam. nuda
aa. Pet. bifida . . . . ——— Erophila
bb. Pet. indivisa . . . . ——— Draba
~~C.~~ ββ. Dissep contrario compressa . . . Thlaspi
2. Fr. lomentaceus, biarticulatus . . . Cakile
(Ofte mete alle Brassicineen genoemt) ○=
b. Cotyled. incumbentes.
1. ~~Silic.~~ Fr. dehiscens
α. Siliqua
αα. teretiuscula, valvis trinerviis . . . Sisymbrium
ββ. quadrangularis, — „ uninerviis . . Erysimum
β. Silicula
αα. turgida . . . . . Camelina
ββ. a latere compressa . . .
1) loculis polyspermis . . . . Capsella
2) loculis dispermis . . . . Hutchinsia
3) loculis monospermis . . . Lepidium
2. Fr. indehiscens
α. globosus . . . . . Neslia
β. planus . . . . . Isatis
(Ofte ook Notorhizeen) ○||
II. Cotyledones conduplicatae
1. Siliqua
α. dehiscens
αα valvae uninerviae . . . Brassica
ββ. — „ tri-quinquenerviae . . Sinapis
b. indehiscens v. lomentacea . . . Raphanus.
2. Silicula
(Ofte mete ook Cotyleoceen) ○>> monosperma . . Crambe
III. Cotyl. spirales
(Ofte ook Spirolobeen) ○||| . . . Bunias

Nasturtium (Rob. Brown) Brunnenkresse

(Lin. zu Sisymbrium gezogen)

Sep. basi aequalia (ohne Höckerchen), patula; pet. indivisa; gland. hypogynae 4, valvariae bilobae, placentariae interd. defic.; filam. libera, edenticulata; stigma brevissime biloburn; siliqua bilocularis, sessilis, turgida, saepe abbreviata, (d. h. nur kurz, kommt eine zu silicula vor) interd. linearis, valvae convexae, enervis, vanosae; sem. ∞, subquadriserialia, patra, emarginata, punctulata, funiculi seminales liberi (v. bei d. Gattung, obgl. mikroskop. i. d. Einzelnen)

Fol. saepe pinnati-secta; flor. flavi, rarius albi. (d. h. gelb. Blüm. per. und nur selten Scripa ist bei a. kürzern et längern Pistill; monadelphisch)

Sp. Nast. palustris DC.
amphibium R. Br.

Crucifer. einst Fleischer N. sylvestre (?) an.

Barbarea. Rob. Br. (Erysimum Lin.)

Sep. basi aequalia, erecta, pet. indivisa; gland. hypogynae, valvariae bilobae, placentariae subulatae; fil. libera, edentata, stigma capitatum, subintegrum, siliqua bilocularis, sessilis, compresso-tetragona, elongata, valvis carinatis, sem. uniserialia, emarginata, punctata, funiculi seminales liberi; albae ♃ v. ⊙ glabrae, fol. lyrata v. basi auriculata; fl. latei v. aurei.

Sp. Barb. stricta Andrz.
vulgaris. R. Br.

Turritis. Lin.

Sep. basi aequalia; patula; pet. indivisa; gland. hypogynae valvariae simplices, placentariae sub nullae, filam. libera, edentata, stigma capitatum integrum, siliqua bilocularis, sessilis, compresso-4gona, valvis carinatis, sem. biserialia, emarginata, laevia; funiculi semin. liberi.

(Lin. zog einige Sp. aus Spec. d. Arabis jetzt gezogenen)

Albae ⊙ v. ⊙; fol. amplexicaulia, indivisa, flor. albi.

Sp. Turr. glabra Lin.

Arabis. Lin.

Sep. aequalia v. valvaria, basi gibba, erecta; pet. indivisa; gland. hypogynae v. valvariae, simplices vel bipartitae, placentariae 2, 4 v. nullae; fil. lib. edentata; stigm. capitatum integrum; siliqua bilocul. sessil. (also ohne gynophorum), dissepim.

parallele compresso, linearis, elongata, valvis planiusculis, uninerviis; sem. uniserialia, immarginata v. marginata, compressa; funiculi semin. lib.

Hbae ⊙, ⊙, ⊙; immo suffrutices, plerumq pilis rigidis, furcatis, obsitae; fol. radic. rosulata, caulin. amplexical. v. sess., plerumq integra; fl. albi v. rosei, rarissime coerulei.

Sp. Arab. hirsuta Scopol.
— Gerardi. Bess.
— arenosa. Scop.

Cardamine Lin.

Sep. basi aequalia, erecto-patula; pet. sed indivisa; gland. hypogynaevalvariae, binae, integrae v. bilobae, placentariae binae v. nullae; fil. lib. edentula, stigm. integr.; silic. sess. biloc., dissep. parall.-compresso, linear., elong., valvis planis, nerviis, elastice dissilientibus; sem. uniserialia, compressa, immarginata, laevia; cotyl. planae; funiculi semin. filiformes, liberi.

Hbae ⊙, ♃, rad. fibrosa v. granulata; fol. indivisa, saep. lobata, pinnati-secta, racemi ebract., rarissime scapi uniflori; fl. albi v. rosei.

Sp. Card. amara. Lin.
— dentata Schult. } Lusch. Hbly. v. Griffith ♃ v. spon.
— pratensis Lin.
— impatiens Lin.

Dentaria. Lin.

Sep. basi aequalia, clausa; pet. indivisa; gland. hypogyn. binae valvariae, binae placentariae; fil. lib. edentula; stigm. capit.; silic. bilo., sess., dissep. parallele-compressa, lanceolata, elongata, valvis planis, nerviis, elastice dissilientibus; sem. uniserialia, compressa, immarginata, cotyl. margine longitudinaliter introrsum complicatae; funiculi semin. alato-dilatae, lib.

Hbae ♃, glabrae, rarius pubescentes, radic. carnosis dentatis; caules simplicissimi; fol palmati v. pinnati-secta, racemi ebracteati breves; fl. albi, flavescentes v. purpurei.

Dent. bulbifera Lin. b. Cupl. spon.

f. Vfr. b Gottgn. spn. of Arabideen or siliquose Pleurorrhizeen :/

2 1

Pleurorrhizeae latiseptae; siliculosae.

Berteroa DeC.

Sep. basi aequalia, erecta; pet. limbo bifida; gland hypog. 4 valvariae; fil. lib. intus basi callo dentiformi aucta; stigma integr.; silicula bilocularis, elliptica v. subauriculata, dissep. parallele compressa, valvis planiusculis dehiscens, polysperma, sem. bi~~fida~~ serialia, compressa, marginato-alata; funiculi semin. subulati lib.

Herbae ⊙ v. ♃, pube stellata, incanae; fol. integerrima; racemi ebracteati, fl. albi.

Sp. B. incana DeC. (Cymt. lyssum incanum Lin.)

Alyssum Lin.

Sep. basi aequalia, erecta; pet. integra v. emarginata; gland. hypogynae 4, valvariae; filam. libera, omnia v. nonnulla membrana~~xxx~~ appendiculata; stigma integrum; silicula bilocularis, suborbiculata, dissep. parallele-compressa, valvis plerumq. disco convexis limbo planis, dehiscens, loculis monodi-spermis, sem. compressa, intod membranaceo-marginata; funiculi semin. lib. v. breviter basi adnatae.

Herbae ⊙, ⊙, ♃, v suffruticulosae; pube stellata (epidot.) incanae; fol. parva, integerrima, racemi terminales, ebracteati, fl. flavi v. aurei.

Sp. Alyssum montanum Lin.
(v. bra nonfrucs. ~~[illegible]~~ - pte + v. bra nopprynta v. d. blz. d. bentpreen)

Erophila DeC (Draba Lin.)

Sep. basi aequalia, laxiusculae; pet. limbo bipartita; glan. hypogynae 4 valvariae, fil. lib. edentula; stigma subsessile integr.; Silicula bilocul, ovalis v. ellipt. dissepim. parallelo compressa, valvis planiusculis compressa, loculis polysperm.; sem. bi-serialia minuta, ~~im~~marginata; funic. setacei, lib.

Herbae annuae, tenires, fol omn. radic., rosulata, (scapi aphylli); fl. racemosi, albi, minuti.

Sp. Erophila vulgaris DeC. (Draba verna Lin.)

Draba Lin.

Sep. basi aequalia, erecta; pet. indivisa; gland. hypog. valvar 4 v. 2; fil. lib. edentula; stigm. integr. v. bibbum; silicula 2locul, ovata, ovalis v. ellipt., dissep. parall. compressa, valvis

lymbo convexis, disco planis, dehiscens, polyspermum; (Sem. etc. ut in anteriori gen.)

Herbae perenn., bienn., raris annuae, pube varia vestitae. fol integerrima v. dentata, radic. saepe rosulata; racemi ebracteati, fl. albi, flavescentes v. aurei

Sp. Dr. contorta Ehrh. vuf Dalkborden
— lutea Gilibert (Dr. muralis Lin) bni ime fränfig

(Ifr 4 ogf zu d Alyssideen)

Pleurorrhizeae siliculosae angustiseptae

Thlaspi Lin.

Sep. basi aequalia, erectiuscula, pet indivisa, gland hypog. vals. 4; filam. lib, edentula, stigma integr.; silicula bilocul (sessilis), orbiculari-obcordata, dissepimento contrarie compressa, valvis navicularibus, carina alatis, dehiscens; 4, 6 v polysperma; sem. 2 serial. emarginata, saepe striata; funiculi sem. subulat, ima basi adnati

Herbae ⊙, ♃ ⊙ plerumque glabrae; fol integra; flor. racemosi albi.

Thl. arvense Lin. auf
(Thl. bursa past. i zu v (Gatt. gnbr)

Pleurorrhizeae lomentaceae v. Cakileae in

Cakile Tournef.

Sep basi aeq. erectiuscula; pet indiv.; gland hypog valv. 2, interna, bilobae, placentariae 2, ovata-lanceolatae, fil liberae, edentula, stigma integr.; siliqua sess biarticulata, articulo superiore majore, tetragono-ensiformi v. obtuse spongioso, inferiore breviore ob-pyramidato, secendentibus, dissep. tenuissimo, sub-bilocularibus, monosperm, indehiscentibus, sem oblonga, infer. pendulum, super. erectum; cotyl radicular semi amplectentes; funiculi sem. breviss. clavati lib.

Herbae maritim. succulentae glabrae. fol pinnati-partita vel sinuata; fl. laete racemosi, dilute violacei vel albi.

Sp. Cak. maritima Scop. am Meerstrand.

III.

Notorrhizeae

Sisymbrieae et Notorr. siliquosae

t amplexum Cotyledonum pet in Capsula.

Sisymbrium Lin.

Sep. basi aequalia, erecta v. patula; pet indivisa, gland hypog

vaturariae 2 annulares v. bilobae, placentariae 0 v. binae minutae; fil. libera edentula; stigm. integr.; siliq. bilocularis, sessilis, tetrahuscula v. subulata v. dissep. contrarie compresso, linearis, elongata; valvis convexis, trinerviis, dehiscens, polysperma; sem. uniserialia immarginata, funiculi sem. lib. filiformes.

Herbae ⊙, ⊙, ♃ rariss. suffrut., glabrae v. pube varia vestitae nunq. vere pilis adnatis (Irio ♃ v. ♃ v. Erysimum); fol. varia, racemi aphylli v. flor. axillares, subsessiles, flavi, albi v. rosei.

Sp. Sis. officinale Scop. ♃ gelbe Blüm. W. eigentl. blüht d. Frühj. v. subulat. ist (Erysimum Lin.)
— Thaglianum Jacq. früher ♃ Arabis genannt
— Sophia Lin. fünfig. im d. nur.
— supinum Lin. selten, nach d. Jahr. Capel
— Alliaria Scop. v. mich in einen Nachm. ab. ist in d. Jahr. Alliaria officin. nützlich, kommt der Hesperis am nächsten.

Erysimum Lin.

Sep. basi aequalia, v. calc. gibba; pet. indiv.; gland. hypog. valv. binae, interna, lunulatae, placentariae binae externae, plerumq. bi-tri-lobae, fil. lib. edentula; stigm. simplex v. bilobum; siliq. bilocul., sessilis, tetragona, elongata; valvis acute carinatis, uninerviis, dehiscens polysperm.; sem. uniserialia, emarginata; funiculi seminales liberi setacei.

Herbae ⊙ ♃ v. ⊙, pilis adnatis 2-v. 5-cuspidatis vestitae; fol. angusta, integerrima vel remote dentata v. sinuata; racemi ebracteati; flor. flavi, rar. albi.

Sp. E. cheiranthoides Lin.

Notorhizeae silicalosae lati-septae v. Camelineae

Camelina Krantz. (Myagrum Lin.)

Sep. basi aeq. erectiuscula, pet. indiv.; gland. hypog. valv. 4; fil. lib. edentula; stigm. integr.; siliculae 2 locul. ovata subglobosa, valvis ventricosis, apice in processum linearem, stylo deciduo applicatum protractis, dehiscens, polysperma; sem. biserialia emarginata; funiculi umbilicales setacei, basi dissep. adnati.

Herbae ⊙ ramosae, fol. amplexicaulia, sagittata, racemi ebracteati, flor. flavi.

Sp. Cam. sativa Krantz. (Myagr. sativ. Lin.)

Lepidineae

Notorrhizeae silidulosae angustiseptae

Capsella Könrb.

Sep. basi aequalia laxa, petala indivisa; gland. hypog. valv. 4; fil. lib. edent; stigm. integr., silic. 2loc, dissep. contrarie compressa, plane, obverse angularis v. oblonga; valvis navicularibus, apteris, dehiscens, polysperma; sem. biserialia immarginata; funiculi semin. lib. setacei

Herbae annuae v. ⊙, ramosae, fol. indivisa v. incisa, racemi termin. ebract.; fl. albi, parvi.

Sp. Caps. bursa pastoris Mönch (Thlaspi Lin)

Hutchinsia R. Br.

Sep. basi aequ laxa, interd persistentia, pet indivisa, gland. hypog. valv. 4, stigm simplex, silicula 2local sessilis, ovalis v. oblongata, dissep. contrarie subcompr., valvis navicul. utrinq acutiusc. dehisc. 4-6; v. polysperma; sem uniserialia, emarginata laevia; funiculi ~~uniserialis~~ semin. setacei, lib.

Herbae ⊙ v ♃ pube ramosa vestitae, fol pinnati-partita, rac. term. ebract.; flor. albi.

Sp. Hutchinsia petraea ♃ Engl. Botan, ♃ v ♃ Jus. Oxfurt.

Lepidium Lin.

Sep. basi aequal.; patula, pet. indivisa; gland. hypog. valvar. 4; fil. lib. edentula; stigm. integrum; silicula oblonga, orbicularis, ovata v. obcordata, dissep. contrarie-compressa, valvis navicularibus, carinatis v. alatis dehiscens, biloc., loculis monospermis; sem. plerumq. immarginata; funiculi sem. setacei, inra basi adnati.

Herbae v. suffrutices, ramosae; fol. integra v. pinnatifida; racemi terminales, ebracteati (apud genus Sinnebiera racemi inveniuntur axillares) fl. albi, parvi, interd. apetali, stam. 2 v. 4, majora interd. deficientia.

Sp. L. latifolium Lin.
— vulgare Lin.

Isatideae vel

Notorrhizeae nucamentaceae.

Neslia Desv.

Sep. basi aequ. erecta, pet. indivisa; gland. hypog. 2, valv.; fil. lib. edentula; stigm. integrum; silicula sessilis lenticularis sub-

globosa, coriacea, indehisc., uniloc., monosperma; sem. horizontale, immarginatum; funiculus semin. brevis. lib.

Herba annua, erecta, superne ramosa, pilis bi-tri-furcatis scabra; fol. caulina sagittata, remote dentata; racemi terminales elongati; fl. flavi, parvi.

Sp. Neslia paniculata Desv. (Myagr. panic. Lin.)

Isatis Lin.

Sep. basi aequ. patula; pet. indiv.; gland. hypog. valv. 4, placent. 2; fil. lib. dentula; stigm. integr.; silicula sess., contracte compressa, plana, alata, uniloc., indehiscens, monosperma; semen pendulum, immarginatum; funic. semin. brevis. lib. (In tord. fructus denique dehiscens, valvula oblique dehiscente.)

Herbae ⊙, subglabrae, glaucae; fol. integra, caulina sagittata amplexicaulia; racemi termin. ramosi, ebracteati; fl. parvi, flavi.

Sp. I. tinctoria Lin.

IIII.

Orthoploceae

Siliquosae

Brassica. Lin.

Sep. basi aequ. conniventia; pet. indiv.; gl. hyp. valv. 2 et plac. 2; fil. lib. edent.; stigm. indiv.; siliqua sess., teretiuscula, elongata, bilocul., valv. convexis, subtriinervatis dehisc., polysperma; sem. uniserialia, globosa; funic. sem. lib., marginati.

Herbae plerumq. glabr., rar. suffrut.; fol. lyrato-pinnati-lobata; racemi term. ebracteati; fl. flavi, rarius albi.

Sp. Br. Rapa Lin.

Sinapis. Lin.

Sep. basi aequ. patentia; pet. indiv.; gl. hyp. valv. 4, plac. 2; fil. lib. edentula; stigm. bilobum; siliq. sess. linearis v. oblonga, stylo rostrata, bilocul. valvis convexis, distincte 3-5 nerviis dehisc. polysperma; sem. uniserialia, globosa; funis sem. basi dilatati, lib.

Herbae v. suffrutices, saepius piloso-hispidae; fol.

lyrato-pinnatifida, racemi terminales ebracteati; fl. flavi.
Sp. Sinapis arvensis Lin.

Orthoploceae lomentaceae v. Raphaneae

Crambe Lin.

Sep. basi aequ. patula; pet. indiv.; gl. hypog. valv. 2, plac. 2; filam. lib., longiora furcata; stigma integr.; siliq. abbreviata, biarticulata, articulo inferiore pedicelliformi, sterili, superiore globoso, nucamentaceo, uniloc. monospermo, sem. globosum, pendulum; fun. seminis filiformis, elongatus, e fundo locali adscendens.
Herba perennis rar. suffrut. glaucae, glaberr. v. hirtae; fol. rara, saepe dissecta; racemi termin. ebract.; flor. albi.
Sp. Crambe maritima Lin.

Raphanus Lin.

Sep. valv. basi gibba, erecta; pet. indiv.; gl. hyp. valv. 2 internae, placent. ~~indiv.~~ externae; stam. lib. edent.; stigm. subbilob.; siliq. elongata, stylo rastrata, spongiosa, transverse multiloc. v. teres et laevis v. moniliform., in articulos secedens, polysperma; sem. globosa, pendula; funic. sem. adscendentes.
Herbae ⊙ v. ⊙, hispidae v. glabrae; fol. infer. lyrata; rac. elongati, ebracteati; fl. albi, flavi v. purpurascentes.
Sp. R. Raphanistrum Lin.

IV. Buniadeae v. Spirolobeae nucamentaceae.

Bunias Lin.

Sep. basi aequ.; lasa; pet. indiv.; gl. hypog. valv. 2, plac. 2; fil. lib. edent.; stigm. integr.; silicula nucamentacea, subovata, cristata, verrucosa v. laevis, biloc. v. 4loc., indehisc., 2 v. 4 sperma; semin. pendula, immarginata; funic. sem. brevis. lib.
Herbae ⊙, ⊙, v. ♃ glabriusculae, v. pilis furcatis hispidae simulque pilis crassis brevibus muricatae; racemi terminales et axillares, ebracteati; fl. flavi, rarius albi.
Spec. Bunias orientalis Lin.

7. Cistineae.

(v. Cruciferen genügend, v. v. Capparideen)

Sep. 5. persist., 2 exter. minora, interd. crassida (crassissime majora); (tria interiora per aestivationem sinistrorsum contorta; pet. 5 (rarius 3) caduca, aestivatione sepalis contrarie contorta. Stam. hypogyna, numerosa, lib.; ovarium lib., e carp. 3, 5 v. 10 conflatum; stylus simplex, stigm. simpl.; caps. plurivalis, polysperma, dissep. nullis vel incompletis, unilocularis, valvis medio placentiferis vel disepimentis completis plarilocularis, placentis plarilocularis, embryo inter album farinosum spiralis aut curvus, radicula directione varia.

Frutices v. suffrutices, rarius hbae O, saepe resina scatellules; fol. inferiora semper opposita, superiora interdum sparsa v. stipulata v. petiolo vaginante praedita; fl. termin. solitarii v. cymam racemiformem dispositi.

Sept. alles bitter wie Tam. kommt in

Helianthemum Tournef. et Pers. et Dc.

Sep. ~~sep. alle~~ 5, 2 exter. minora v. nulla, pet. 5 caduca, stam. ∞ irritabilia, ovar. 3angulare, stylus apice incrassatus; stigm. subtrilobum, caps. 3 valvis, valvis medio septo incompleto v. nervo prominulo seminiferis, sem. ∞ membranaceo involuta, albaminosa, album. tenue; embryo curvatus, radicula a hylo aversa.

Hbae suffrutices v. fruticuli; fol. opps. v. sursum sparsa integerrima saepissime stipulata; fl. cymoso-racemosi v. subumbellati, nunquam coerulei.

Sp. Hel. vulgare Gärtn. (Cistus Hel. Lin.)

8. Violaricae et Violaceae

Sep. 5 persistentia, rar. basi connata imbricata; pet. 5 hypogyna, aestiv. involuta, inaequalia, exterius et inferius majus, plerumq. calcaratum v. cucullatum; stam. 5, sep. opposita, disco hypogyno inserta; fil. brevia dilatata, apice in membranam aridam producta, 2 anter. appendicalis in calcar immersis praedita, anth. latori filam. inter. adnatae, biloculares ovario adpressae, saepe cohaerentes denum liberae. ovar. lib. uniloc., placent. tribus parietar.; styl. simpl. clavatus, stigm. var., caps. unilocularis, 3 valvis valvis elast. disiliens tibus, medio placentiferis polyspermum; sem. tenuissime

axillata; embryo rectus erectus in album. carnoso.

Herba ♃, ⊙, v. ♄. fol sparsa, stip lib, saepe magnae; fl. solitarii in pedunculis radicalibus vel axillaribus bibracteatis, irregulares, mutantes

♂ Kranichsch. in gemischten Blumen

♀ Storch

Viola Lin

Sep. 5 subaequalia, basi in appendicem producta; pet 5 inaequalia exter. deorsum in calcar productum; anth. subsess. dilatatae, coharentes, apice membranaceae productae, 2 anteriores basi calcaratae, stylus geniculatus superne incrassatus, stigma varium; caps. 1loc. 3valvis, valv. medio placentiferis, polysperma.

Herbae acaules v. caulescentes, rar. frutices; fol integra v. lobata, stip. petiolares, pedunculi solitarii, axillares bibracteati; fl v. concolores colore vario, rarius vero rubro, v. variegati.

Sp. Viola palustris Lin (Var. V. epipsila)

— mirabilis Lin; das weiße ist ihr erster Blumen Wurzel entsteht 6 unfruchtbare St

— canina die ♂ wurzel

— sylvestris Lamarck. ♂ oben lichtblauen Bl.

— arenaria DeC ♂ trockenen Boden, Stor Klafurch

— tricolor bei gelbblühend, bei weißgelb.

— odorata wild. zwiefalsch.

— montana in Fichtl Gegd Lial.

9. Droseraceae

Sep. 5 aestiv. imbricata persist aequal; pet 5 hypogyna, marcescentia, aequal.; stam 5 rar 10, 15 v. 20 (Stäme nach Fr nur 5) anth. erectae, biloculares; ovarium liberum, uniloculare rarissime bi-triloculare, multiovulatum, placentis 5 rarissime pauciribus, ~~placentiferis~~ parietalibus, styli totidem, stigmata plana; caps. 1loc. (raro 2-3 locul.) loculicidae bi-tri-quinque-valvis, polysperma; sem saepe reticulato involuta, embr. rectus erectus in axi album. carnosi.

Herbae perennes rar. annuae. fol simpl. pilis glanduliferis, margine vel etiam in pagina superiore, vernatione circinali (ist Farnkraut) petiolorum basis dilatata saepe cilis rigidis, stipulaeformibus aucta; fl solitarii v. saepius in cyma scorpioidea, circinalia.

Eigentl Gef. nur a Gatt Sirfer; ob Parnassia interrogen gehört Wurmfrüchte aus Sirfer gezogen.

Drosera Lin. Sonnenthau.

Sep. 5, subaeq. basi connata; pet 5; stam 5, anth biloculares, longitudinaliter dehiscentes; ovar. e carp. 3 v. 5 connatum, styli 3 ad 5, bipartiti; caps. unilocularis, apice bi-3-5 valvis, valvis medio placentiferis, polysperma, sem. membranaceo-invol., membrana saepe utrinq. bax, embr in alb carnoso minutissimus prope hylum.

Herbae acaules, fol juniora circinato invol, glanduloso-ciliata, scapi racemosi, flor. albi.

Sp. Dr. rotundifolia & Dr. intermedia

Parnassia Lin. Herzblatt.

Sep. 5 subaeq; pet 5, stam 5 anth biloculares; longitudinaliter dehiscentes. squamae 5 ante pet carnosae, apice bilobae setis glanduliferis 3–18, flabellato-ciliatae; ovarium e carpellis 4 connatum. stylus 0, stigm. 4; caps. unilocularis, apice 4 valvis, valvis medio placentiferis, polysperma; sem scobiformia, embr in alb tenuissimo, rectus.

Herbae 4, caule simplicissimo, unifolio, unifloro; fol integerrima, fl albi

Sp. P. palustris.

10. Polygaleae

Zwischen Kreuz- und Schmetterlingsblumen, die Fl. Typus der Leguminosen, ähnlich; ebenso verwandtschaftlich zu den Fumariaceen & Cruciferen gezählt. Im Habitus i. d. Gattung Tremandreen.

Sep. 5, aest. imbricata; 2 inter. petaloidea; pet 5 v. saepius 3 inter se et cum stam. varie connata, inaequalia, anticum plerumq. majus, saepe trilobum, lobi medio fimbriato cristato, stam. plerumq. 8; fil. inaequalia, postica breviora, omnia in columnam apice bifidam connata, anth erectae conniventes, stigmam plectentes unilociularis, poro simplici in apice dehiscentes. ovar. e carp. binis, antico et postico connatum, liberum, bilocular, biovulatum; stylus simpl, stigm. 2. v. bilobum. caps. bilocul. dissep. valvis contrario, bivalvis, disperma; rarius fr. carnosus v. samara monosperma; sem pendula, hylo arruncolata, alb carnosum, embr atilis, radicula ad hilum vergens.

Herbae 4 v suffruticosae v. frutices, amarae; fol plerumq. sparsa simpl integerr. exstipulata; fl racemosi, rar. axillares solitarii.

Polygala Lin

Sep 5 persist, 2 lateralia maxima petaloidea, pet 5, staminibus adnata, anticum concavum, saepe cristatum, duo lateralia minutissima, saepe deficientia, stam 8 inferne monadelpha, apice in phalanges duas aequalis divisa, anth. uniloculares poro dehisc.; caps membran. compressa 2-locularis 2 sperma, semi basi carunculata 4 dentata cincta, apice nuda.

Fruticuli vel Herbae; fol plerumq sparsa, rar opposita v. verticill integerr.; racemi terminales; flores pedicellati; tribracteati.

Sp. P. vulgaris Lin
— comosa Schkuhr P. hybrida DC —
— ~~hybrida~~ amara Lin. —

II. Silenaceae (transeat ad Alsineae stam Caryophyll. desc)

Harm. Portulaceae, Paronychieae, Chenopodeae et Amaranthaceae. (Pet ess stam fungit v bas Krifa an et et Centralplacenta frui ist.)

Sep. 5, in calycem 5dent. connata; dentibus acut. imbricat. pet 5 sepalis alterna, longe unguiculata cum stam. anthoporo plus minus elongato inserta; stam. 10, alterna petalorum unguibus adnata, rar. 5, ante sep posita, ovar. lib. v car. pell. binis usque ad quinis conatum, junius saltem basi 2–5 locular., multiovulatum placentis centralibus demum septis evanidis concretis in columnam centralem libis, styli 2–5 a basi distincti; caps. apice dentibus 4, 6, 10 dehiscens, rarius pericarpio carnoso, indehisc. sem. albuminosa; albumine farinaceo, vel reniformia embryone peripherico vel peltata embryone recto, radicula ad hylum versa.

Herbae ♃ v ⊙ raro suffrutices; fol opposita, integerrima exstipulata; fl. cymosi, nunquam coerulei.

Sp. 4 apud nos sic distinguntur

a. Styli 5 — — — — — — Lychnis.
b. Styli 3 — — — — Silene
c. Styli 2.
α. Sem reniformia, cal. turbinatus — — Gypsophila
β — peltata, cal cylindricus — — Dianthus

Lychnis Lin.

Cal. basi nudus, 5 dentatus, pet 5 unguiculata, stam 10, styli 5, caps. semi 5 locularis v. unilocularis, apice dentibus 5 v. 10 dehisc. semina reniformia, embryo peripherica.

Herbae ⊙ v ♃, plerumq viscidae; cymae laxae v. fasciculatae v.

ad florem solitarium reductae.

Sp. L. viscaria Lin.
— diurna Lin. pet. ⊥ v vespertina ☽ v noctiflor DC
— vespertina Lin. ☽ v diurn DC
— flos cuculi Lin.
— githa go Lam.

Silene Lin. Taubenkropf

Cal. basi nudus, 5 dent.; pet 5 unguiculata; stam 10, styli 3; caps. basi 3 locularis, apice 6 valvis; sem reniformia; embr. peripherica.

Herbae ⊙ v ♃; fl. cymosi, cyma saepe racemosi, albi, purpurascentes lividi, noctiflores.

(Mit pet. fehlen v. Belg. v Lacht. v Gatt. gehr. in Cucubalus v. Silene.)

Sp. Silene inflata Smith (Cucubalus Behen Lin.)
— Otites Persoon (— Otites Lin.)
— Chlorantha Ehrh.
— nutans Lin.

Gypsophila Lin.

Cal. turbinato-campanulatus, 5 lobus, basi nudus; pet 5, ovato-spathulata nuda; stam 10, styli 2; caps. 1 local, apice 4 valvis; sem. reniformi-globosa; embryo peripherica.

Herbae ant 2-ant 3-chotomo cymosae, fol angusti; fl. albi pallidi v. rosei.

Sp. Gyps. muralis Lin.
— fastigiata ist unentwickelte Mantra gepflanzt worden.

Dianthus Lin.

Cal cylindro 5 dent., basi squamis praeditus. pet 5 ad faucem in unguem linearem contracta; stam 10, styli 2, caps unilocularis apice 4 valvis, sem peltata, hinc convexa illic concava; embr. dorsalis, rectiusculus.

Herbae suffrutices saepe glaucae fol linearia, fl. terminales solitarii v. fasciculati albi v. purpurascentes.

Sp. D. deltoides Lin.
D. arenarius Lin.
D. superbus L. selten u. fast gar. nicht blühend, fol.

12. Alsineae

Sep. 4–5, lib aestiv. imbricata, pet 4–5 sepalis alterna, rar. abortiv subnulla, stam 10 v abortiv pauciora, lib, annulo glandulosso hypogyno v. subperigyno inserta; orar. lib, e carp. 2. v. 5 conatum, gynoec 2–5 loculare, septis demum evanidis uniloculare; placentis centralibus in columnam cen-

fralem liberam concretis, pluri-ovulatum, styli 2-5 distincti; caps indentes v. valvulas dehisc., polysperma, rarissime abortu monosperma; sem. albumin.; alb. farinaceo centrali, embr. peripherieus, subannularis; radicula ad hilum versa.
Hbae annuae v perennes, rarissime suffrutesc., fol opposita, integerrima, exstipulata, v rarius stipulis membranaceis praedita; fl cymosi pallidi, albi, rarius purpurascentes.

Sp. 10 apud nos distinguenda sunt

I. Exstipulata

a. Valvulae numero stylorum

α. Stam hypogyna

1. Styli 4 — — — — Sagina

2. Styli 5 — — — — Spergula

β. Stam. perigyna — — — Honckenija

b. Valvulae numero stylorum dupla

α. Styli tres

αα. Pet integra

1. Sem. exarillata — Arenaria

2. — arillo p radita — Moehringia

ββ. Pet. bifida — — — Stellaria

β. Styli quinque

αα Caps. 5 valvis, valvis 2fidis — Malachium

ββ — 10 dentata — — Cerastium

II Stipulata

a. Styli tres — — — Lepigonum

b. Styli quinque — — Spergula.

Sagina Lin.

Sep. 4; pet 4 integra; stam 4; styli 4; caps compr. uniloc, profde 4-valvis, polysperma.
Hbae diffusae, fol linearia, basi connati vaginantia, ex stipulata
fl solitarii pedunculati albi, pet interd nulla.
Sp. S. procumbens Lin
— apetala — —

Spergella Roth.

Sep. 5; pet 5, integra; stam 10, styli 5, caps uniloc. profunde 5 valv. polysperma.
Hbae diffusae H. fol. linearia, basi connata, exstipulata, fl. solitarii pedunculati, albi.
Sp. S. nodosa Roth. (Spergula Lin.)

Spergula Lin.

(mit Nigra morphon)

Sep. 5 ima basi connata; pet 5 integr.; stam 5, styli 5, breves, caps. 1 loc. 5 valvis, polysperma; sem reniformia exarillata, saepe alato marginata.

Hbae ⊙, fol basi non connata, sparsae, verticillata, scariose stipulata; fl dichotomo cymosi albi.

Sp. Spergula arvensis Lin.

Lepigonum Fries.

Sep. 5, ima basi cohaerentia; pet 5 integra, stam 10 aut pauciora, fil. basi aequalibus, subulatis; ovar. multiovulatum, styli 3; caps. 3 valvis, polysperma; sem. reniform, interdum alata.

Hbae ⊙ v ♃, procumbentes; fol linearia saepe carnosa; stip. carnosae, ad basin foliorum; fl dichotome cymosae, rosei v. albi.

Sp. Lepigonum rubrum Fr. (Arenaria L. β Spergula L.
marinum Fr. γ Alsine grypon

Honckenya Ehrh.

Sep 5 basi connata; pet 5 integra; stam 10, subperigyna, glandulis 10 perigynis inserta, styli 3-5, caps unilocularis, superne trigue valvis, oligosperma.

Hba maritima crassinscula, dichotome cymosa; fol. basi connata, ovato-oblonga, carnosa exstipulata; fl axill., solitar. sem magna.

Sp. Honckenya peploides Ehrh. (Arenaria Lin.)

Arenaria Lin. (emendata)

Sep 5 lib; pet 5 integra; stam 10 hypogyna (basi glandulosa), styli 3, caps. unilocul., superne 6 valvis, polysperma; sem reniformia exarillata (sed - ff. n. Moehringia)

Hbae ⊙ v ♃, dichotomo-ramosae, diffusae; fol oppos. latiuscula; flores cymosi; cyma saepe pauciflora, pedunculati albi.

Sp. Ar. - serpyllifolia.

Moehringia Lin.

Sep 5 v 4, pet 5 v 4 integra, stam 10 v 8, hypogyna; styli 3 v 2; caps. 1 locul., superne 4-6 valvis, sem reniformia, nitida, ad hylum arillo appendiculata.

Hbae ⊙ v ♃, caules caespitosi v dichotomi, v. simpl. fol angusta v dilatata; fl cymosi v. axillares solitarii et geminati, pedunculati, albi.

Sp. Moehr. trinervia Clairv. Aren. trinerv. Lin.)

Stellaria Lin.

Sep 5; pet 5 bifida v bipartita; stam 10, v 5 v pauciora, disco glanduloso hypogyna v subperigyno inserta; ovar. multiovulatum, styli 3, caps uniloc 6 valvis, sem reniform numerosa, ex appendiculata.

Hbae perennes v rar annuae, dichot. ramosae v simpl, fol lata v lineari lanceolata; cymae dichotomae saepe depauperatae; fl semper albi.

Sp. sunt apud nos 7.

St. nemorum Lin.
— media Vill. (Alsine Lin.)
— Holostea Lin.
— glauca With.
— graminea Lin.
— uliginosa Murray (Larbraea St. Hilaire)
— crassifolia Ehrh. (— Rchb.) (Ostrenfl)

Malachium Fries.

Sep. 5 lib, pet 5 bipartita v emarg; stam 10 ovar. multiovul. styli 5; caps. unilocul. 5 valvis valvis apice bifidis (Dod. Katrsf) v Cerastium) sem renif. exaill. (Ostr. Fl. M. Stellaria)

Hbae ⊙ v ♃, habitu Stellaria; fol ovata v lineari lanceolata; fl albi.

Sp. Malachium aquaticum (♃ v St. nemorum)

Cerastium Lin.

Sep. 5 lib., pet 5 bifida v emarginata v. integra; stam 10, v ab ortu pauciora; ovar. multiovulatum, styli 5, caps. apice 10 dentata.

Hbae ⊙ v ♃, plerumq viscidae, pilosae v tomentosae, rarius glabrae, fol latiuscula, fl cymosi albi, interd abortu subapetali.

Sp. C vulgatum
C. viscosum
C. semidecandrum

13. Linae.

Sep 5 v 4 lib v basi ornata, persist aest. imbric.; pet 5 v 4 hypogyna, aest sinistrorsum contorta interd. unguibus inter se et cum staminibus cohaerentia caduca; stam 5 basi in annulum connata, pet. alterna, interjectis dentibus, rudimentis staminum interiorum; ovar lib disep 4 v 5 complexis e carpellorum marginibus inflexis, et 4 v 5 incompletis, 8–10 loculare; loc. uniovulatis, ovulis in plac. centr. pendulis; styli tot quot carp lib, rar, basi connata;

capsula globosa, septicide v loculicidi, 10-4 valvis; sem. exalbuminosa v albumine saltem tenuissimum; embr. rectus, radicula brevis ad hilum versa, cotyl carnosae v olerosae.

Flbae ⊙ per ♃ rar ♄ (suffruticosae) fol sparsa v rar opposita v verticill, simpl, integerr., sessilia, exstipulata; flcymosi, cyanei, flavi, violacei v albi.

Linum Lin.

Sep. 5 integra, lib. pet. 5 caduca; stam 10 alterna, fertilia, separatim epozita, alterna anantherа, omnia disco decemglanduloso inserta, hypogyna, styli 5 rariss 3, lib v. intrdconnati; caps. 10-locul. 5-locca, coccis bilocul bipartibilibus dispermis.

Flbae v rar frutices, superne dichotomo cymosae; fl plerumq linear. integerr. exstipul fl coerulei, flavi v albi.

Sp. Linum catharticum (abinnen ♃ zgrüßen Bl.)

Radiola Gmel. (Linum Lin.)

Sep 4 bi-tri-fidus, basi connata; pet 4 stam 4 omn fertilia, intrjectis dentibus, styli 4, capsula 8-locul, 4-locca, coccis sub-bilocc. bipartibilibus, dispermis.

Flba pusilla ⊙ dichotomo-ramosa erecta glabra, fol opposita, sess, ovata, acuta; fl is dichotomiis solitarii, pedunculati, erecti, albi minuti.

Sp. Radiola linoides (~~B. Genicigii~~)

Ma. Malvaceae

Calyx 5-fid, aest valvata, saepe involucr., involucr 2-polyphyllo, phyllis lib v connatis, calyciform.; pet 5 aequ, hypog.; aest. contorta, lib v saep basi columnae staminum adnatae; stam hypog. ∞ v. rar. numero definita, monadelpha; anth. spuriae uniloculares, rima transversali dehisc.; ovar. 5 v multiloc. loc uni v plari-ovulatis, v in ovar simpe connati v. circumtorum productum verticillatim v. rar. spiraliter (Malloge) dispositi; styli tot quot loc. lib v. saep. connati; stigm. libb., sem. angulo interno fructus affixa, exalbuminosa; embr. rectus; cotyl. contortoplicati, radicula hilum spectante.

Flbae ⊙ v ♃, v frutices imo arbores; fol sparsa, palminervia, saepe lobata, stipulata, pube peculiari, stellata obsita; fl axillares solitarii v fasciculati, rar. spurie racem. v umbellati,

colore vario.

Malva Lin.

Cal 5part. bracteis 2 v 3 involucr. pet 5 unguibus basi columnis stam adnata; stam ∞, styli plurimi in unum connati, fr. capsularis, depressus, polycoccus, coccis monospermis, columnicentali persist. affixis, demum sem. reniform.

Sp. M. rotundifolia Lin.
— borealis et Sterningii Steph.

15. Tiliaceae.

Sep 4 ad 5, aest. valvata intud basi cohaer., pet aequ. tot quot sep, hisque alterna, hypog, ~~scape~~ basi foveolata; stam hypog, ∞, lib. v, ima basi mono- v saep. poly-adelpha, singula pet. oppos. anantherae; anth. biloc., loc. parallelis, bimorae; ovar. lib, 4-10 loc, loc. 2-pluri-ovulatis, stylus simpl; stigm. tot quot locali; fr. plaviloc. v. abortu uniloc., capsularis, loculicidus dehisc, v indehisc siccus v carnosus, sem. plac. centr. affixa, albuminosa, embr. axilis; radicula ad hilum; cotyl. foliaceae sub-planae.

Arbores (v exoticae frutices et herbae ⊙) fol sparsa rar oppos, plerumq palminerv., stip deciduae; fl cymosi v spurie racemosi v solitarii, albi et flavicantes

Tilia Lin.

Sep 5 decid, pet 5 hypog, stam ∞, lib. v 5-adelpha (nun 6 zygotiffum) ovar 5 loc, loc. biovulatis; styl. simpl, carceralus, abortu saepe uniloc, mono-dispermus, embryo in album carnoso, radicula infera, leviter curvata.

Arbores, fol sparsa, petiolata, cordata, stipulata, pedunculares axillares ~~patum~~, terminales, basi adnato unibracteati cymoso 3-multi-flori.

Sp. Tilia grandifolia Ehrh (platyphylla Scop.) } Jen
— parvifolia Ehrh. } zopae andin.

16. Hypericineae

Sep 4-5 inaequ v omnino, lib. v basi connata, persist, aest. imbricata; pet totidem aequ hypog aest contorta, stam ∞, 3 v 5-adelpha, rar monadelpha v. lib., anth versatiles, ovar. lib, 3-5 locul., loc multiovulatis; plac. cent v margi-

ribus valvularum introflexis affixae, styli tot quot loc. lib, rar. basiconnati, fr. caps. polysp. dehisc. v rar baccatus; sem et-album; embr rectus, radicula hilum spectante.

Hba ⊙ et ♃, ♄ imo arbores, fol oppos integerr. ex stipul. pellucido punctata, saepe succo flavo resinoso impleta cymae termin, intrd panici imo uniflorae; fl flavi.

~~Sp. Th~~

Hypericum Lin.

Sep. 5 subaequ persist, pet 5 stam ∞ polyadelpha; styli 3, 4-6, intrd connati, persist., caps. bloc. rar unilocc, plac. parietal. septicc 3-5 valvis polysperma.

Sp. Hypericum perforatum Lin.
— quadrangulare —
— hirsutum — (Sultan)

17. Acerineae

Mirbel reunit in v sum t. v Malpighiaceen i J v. sp. aa-
spinosum w.

Cal 4 partit, rar 5-9 part, limbo deciduo aest. imbric, pet 4 v 5-9, circa discum glandulosum inserta lobis calycinis alterna, rar. nulla; stam disco hypog inserta 8 rar ~~5~~ 10; ovar 2-rariss 3-lob, 2 locul (3 loc) loc. 2 ovulatis; stylus simpl, stigmata 2-3; fr bialatus, maturitate secedens in carp 2 indehisc nucament. 1 sperma; sem. erect, alb. 0, embr. curvatus; cotyl foliaceae convolutae.

Arbores v frutices, succo sacharino v lacteo acri scatentes; fol oppos, v simpl plerumq palmineraeve lobata v raro composita, penninervia; stip 0 fl cymosi v paniculati.

Acer Lin.

Fl polygami, sep 5, intrd 4-9 in cal 5 partit, pet tot quot lacin. calicis; stam plerumq 8, rar 5 ad 12, inserta disco glandulosq fr 2-3 coccus, 2 v 3 partibilis, coccis dorso in alam productis.

Arbores foliis simpl, integr v palmato lobatis; fl terminales, cymosi v paniculati, flavo virentes.

Sp. Acer platanoides Lin. (A campestre i finx. ung. p. gpstn) (ab in Indlomd)

(Lin. tonta v Sum v Hippocastaneen gnp. sordn, dinus t. und p. simplicifly)

18. Geraniceae

Sep 5 basi subcoalita, persist, inaequ, aest imbricata, superiis intrd basi in calcar carum pedicello adnatum productum,

pet 5 aest contorta, aequ et hypogyna v inaequ intrd pauciora et periggna v rariss O.; stam basi monadelpha, numero pet. dupla v rar tripla, saepe nonnulla ananthera (et Pelargonium nun 7 Andr.), anth. versat; ovar e carp. 5 verticill. axi elongato pentagono cum stylis adnatis, oculea in quovis carp. 2, funic. semin. axi adnata pendula, stigm. 5 lib carp. matura a basi ad apicem cum stylo soluta submonosperma, alb O embr curvatus, cotyl convoluto-plicatae.

Pl. plerumq ♃ rar ⊙ v ♄ radice intrd tuberosa fol infer. semper oppos. super sparsa palminervia, partita v lobata stipulae magnae; fl rar solitarii saepe geminati v umbellati in pedunculis oppositifoliis.

Wesentlich & genau d Charakter von d Linnee u. unter sich von den Oxalideen. Eing von d Malvaceen u. Balsamineen.

Geranium Lin (emend L'Heritier)

Sep 5, persist; pet 5 omn hypog aequ; stam 10 basi breviter monadelpha; omn. antherifera, alterna majora, extus gland 5 suffulta; ovar 5 cum stylis columnae centrali adnata; stigm lib. fr. pentacoccis axi stylisq rostratus, demum stylis intus glabris a basi circinatim revolutis

Alba rar suffrut fol sparsa v oppos stipul palmati-lob. pedunculi axill rariss scapi bi-tri-flori; fl purpurei, coerulei vel albi

Sp. bapud nos inven.

Ger. sylvaticum Lin
— pratense Lin
— sanguineum Lin
— palustre Lin
— pusillum Lin
— robertianum Lin.

Erodium, l'Heritier.

Sep. 5 subaequ persist; pet 5 omn hypog; stam 10 breviter monadelpha fil 5 pet anteposita latiora ananthera, 5 sep anteposita angustiora antherifera extus basi glandula secretifera fulta; ovaria 5, cum stylis axi adnata, stigm. lib, fr. 5 coccus, stylis et axi rostratus, demum coccis subarbiculatis, stylis intus barbatis denique spiraliter tortis

Albae saepe acaules fol ~~alterna~~, sparsa v oppos varie partita, stipulata; pedunc. axill. v scapi umbell, fl plerumq ro-

sei.
Sp. E. cicutarium Sker. (Ger. cicut Lin.)

19. Balsamineae

var. nigripiz. – sp. Lunc. Sp. (Roper) 2 rotata.

Sep 5 inaequ aest imbric, 2 pet impari proxima plerumq deficientia, impar multo majus calcaratum, corolla 5 petala, pet lateralibus per paria connatis, stam 5 hypog, ovar arcte cingentia, anth biloculares basi in annulum connatae birimosae, ovar. 5 local, loc pluriovulatis, ovulis pendulis, plac. centrales, stigm. 5 sess. lib v connata, caps 5 valvis, elast dissiliens, sem exalbumin. embr. rectus radicula hilum spectans.

Herbae succulentae, nodoso articulatae, fol sparsa, rar. oppos. simpl exstipulata, fl irregulares in racem. axill. in ford pauciflores.

~~Sp. 3.~~

Impatiens Lin.

Sep plerumq 3 binis deficientibus, impar cucullatum calcaratum, pet 5, impar lib lateralia per paria connata inaequ; stam 5, stigm 5 in unum connatum, caps elongata 5 valvis elastice dissiliens valvis a basi ad apicem introrsum revolutis

Herbae caulibus succulentis, ad geniculos tumidis, fol exstip pedunc. axill univ multiflori, fl flavi v albi

Sp. I. Noli tangere Lin.

20 Oxalideae

Sep. 5 lib v basi connata, persist, aest imbric, pet 5 aequ. hypog, in tubum basi cohaer., aest contorta, stam 10 basi saepe breviter monadelpha, interiora petalis opposita, longiora extus saepe dente appendiculata, anth cucto-versatiles, birimosae, ovar simpl lib, e carp 5 connatum, 5 local, loc. pluriovul. plac. central. styli 5, stigmat penicillata, capitata, 8 biloba, Caps. 5 loc, 5-10 valvis, rar. bacca, sem arillo carnoso ad apicem elastice dehiscente inclusa, albumine nuda, embr. rectus, inversus, rad elongata, apice a hilo remota.

Herbae ♃, rar. ⊙ v frutt, fol sparsa, rar. oppos. v verticill., saepe omn. radical, compos, ternata 4 nata v pinnatim compos, introd sensibilia rar. fol simpl; stip 0, flor. solitar. umbell. v spuria racemosi, col. var.

Oxalis Lin.

Sep 5 subaequ, persist. pet 5, supra unguem cohaer, stam 10 basi saepe monadelpha, interiora pet. anteposita, longiora, ovar 5 local, loc 1, 2, pe-

lysperm. styli 5. Caps. pentagona, 5 loc., loculicide dehisc., valvis persist., sem arillata.

Herbae acaules v caulesc., rar. suffrutt. fol. compos. v phyllodia, scapi v. pedunculi ascill. uni-multi-flori; fl. albi, flavi v purpurasc.

Sp. O. acetosella Lin.

II. Calycifloras.

Cal. gamosep.; pet et stam. v perigyna, nempe disco basi calicis adnato inserta, v epigyna, calyx nempe ovario adnatus; pet. et stam. v corollam gamopetalam gerens.

21. Rhamneae.

(Affinitas tum v Tapindaceae, Rataceae, tum v Euphorbiaceae)

Sep 4, 5, basi connata, aestivalv. circumscissae decidua, tubo persist. ovar. plus minus adhaerente, pet sep. alterna, saepe squamiform. stam tot quot pet, iisque oppos., ovar. disco glanduloso cinctum, 2-4-loc, loculis uniovul., ovul. erect.; styl. simpl v bipart.; stam 2 v 4, drupa 1, pluriloc., 1-4 pyraena v caps.; sem exarillata, album parcum, embr. rectus, rad. hilum spectante.

Frutt. v arbores, ramis interdum deciduis, fol. simpl. indiv. sparsa, rar. oppos, stipulata, fl. fasciculati, cymosi, rar. solitarii.

Rhamnus Lin.

Sep 4, 5, connata, in calyc. 4, 5-fid. turbinat., limbo reflexo, decid., tubo persistente, pet 4, 5, margine disci hypogyni inserta, rar. 0. stam 4, 5, pet antepos, styli simpl v 2, 4-fid, drupa subglobosa, 2-4-pyraena, pyraenis cartilagineis, longitudinaliter dehisc., sem. sulcatum.

Arbusc. v frutt., fol. simpl integr. stipul., fl hermaphroditi, v abortu polygami v dioici, fascicul v solitar.

Sp. Rh. cathartica
— frangula.

22. Papilionaceae

(Affinitas tum v Terebinthaceae, tum Amygdaleae)

Cal. gamosep., 5 fid v 5 partit, bilab, labs super 2 infer 3 fid, pet 5 basi calycis inserta inaequ, exter, vexill, ad axin versum v posticum, lateral. alae, antica et intima saepe varie connata, in

carinam; stam 10, car. inclusae, raro lib v monadelpha, plerumque diadelpha, unum nempe vexillo antepos. lib, saepe stipit. simpl, compress, pluriovul, oval. angulo interno suppo stico, nempe suturae ventrali insert; styl. simpl; leg mono- v plenosperm, continuum, v articulatum, dehisc v indehisc, sem exalbum, embr curvatus, plaeorrhizeus.

Habae ⊙, ♃ frutt. arbores, habitu valde vario; fol compos v phyllodia, sparsa, stipul; fl capitati, racemosi, umbell, nunquam terminales solitarii.

Conspectus generum apud nos indigenarum:

I. Cotyl. epigaeae, planiusculae. Stam monadelpha.
- a. Cal. fructiferus, emutatus
  - α. Cal distincte bilabiatus — — — — Genista
  - β. Cal subregularis — — — — Ononis
- b. Cal. fructiferus, inflatus — — — Anthyllis
- B. Stam. diadelpha
  - a. Leg continuum
    - α. Uniloculare
      - αα. Leg. falcat. v cochleatum — — Medicago
      - ββ. Leg. abbreviatum, oligosperm.
        - 1. Fl. laxe racemosi — — Melilotus
        - 2. Fl. capitati v. spicati — — Trifolium
      - γγ. Leg. elongatum
        - 1. apterum — — — Lotus
        - 2. tetrapterum — — — — Tetragonolobus
    - β. Legum. longitudinaliter bilocul. — Astragalus
  - C. 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 — — — Orobus.

Genista Lin. (emend.)

Cal campan. bilab., lab super bipart, infer longiore, trifido; vexill. plex. carina obtusa; stam monadelpha, stylus subulatus, adscend. stgm. termin. obliqui intrors. declive; legum. compr. v. subturgid. pleiospermum.

Frutt. inerm. v spinosi; fol simpl v ternata, fl v axill solit. gemini v plures, vel termin spicati lutei

Sp. Genista pilosa
——— tinctoria } pelten in Lirl.

Ononis Lin.

Cal campan 3fid subaequ., fructifer, apertus, lacin. angust., vexill. dorso carinata v striatum; car. acum.-rostr., stam monadelpha, styl. infracto ascendens, stgm. termin. capitatum, legumen turg. oligosperm.

Hbae v suffrutt., fol ternata rar unifoliolata; stip plerumq petiolares, fl lutei v purpurei intensius striati, axillares et terminales spicati.

Sp. Ononis hircina Jacq. —

Anthyllis Lin.

Cal 5dent, demum ventricosus, fructifer, marcescens, clausus car. obtusa, v brev. acuminata, stam. monadelpha, stylus sen sim v infracto-adscendens, stgm term capitat. leg calyci inclusum mono-di-v oligospermum.

Hbae v frutt. plerumq inermes, fol impari pinnati, foliolo term. plerumq majori; rar. tri-v-uni-foliolata, stip petiolares, fl capitati, flavescentes, demum aurantiaci rar. purpurascentes.

Sp. Anth. Vulneraria Lin.

Vgl 3 Gatt. s. d. Gegend. Kern Mittelm. pignon

Medicago Lin.

Cal camp 5fid v 5dent. car obtusa stam diadelpha 9 connata unicum lib, fil superne filiform. orar sursum arcuatum, stylus glaber, stgm. termin., leg. uniloc. falcatum v. spirale v cochleatum, mono-saep. poly-sperm.

Herbae ♃ et ⊙ v frutices, inerm., fol ternata, stip. petiol. pedunc. uni-bi-flori v saep. capitato-multiflori, fl flavi rar violacei.

Sp. M. lupulina Lin.
(M sativa Luzernkenn ♃ ♂ und ⊙ wild.)

Melilotus Lin.

Cal camp 5dent, dentib elongat. subaequ; cor. decid. car obtus. stam. diadelpha (9 et 1) fil. filiform., orar stipitatum, receptum, stylus glaber, stgm termin, extus declive; leg. calycem superans, subglob. v. oblongum, mono-4 sperm, ind disc.

Herbae plerumq ⊙, erectae v diffusae, glabrae; fol ternata stip. petiolares, racemi elongati, laxi, fl. flavi v albi

Sp. M. officinalis Wild.

Trifolium Lin.

Cal campanulato-tubulosus, 5fid. v 5dent, cor marcescens, persistens, saepe gamopetala, car. obtusa, stam diadelpha (9 et 1) cum pet plus minus connata, fil superne parum dilatata, stylus glab, stgm. termin. leg oratum, mono-v. di-sperm, rar. oblong., 3-4-sperm, calyce v cor. marcesc. inclusum, membranac. indehisc., irregular. rupitile.

Herbae saepe caespitosae procumbentes inermes, fol ternata rariss. quinata, stip. petiolares, fl spicati, (dense spic.) capitati v subumbellati colore vario.
(♃ p ♃ ♃ in Europa ein Unkraut gelb.)

Sp. Tr. pratense
— medium Lin brauner ♃ schmäler Klee
— alpestre Lin v nov.
— arvense L mollig Erdfeuer
— montanum L Frosch ♃ ♃ weiß Bl.
— repens Lin weiß hellröthl Bl
— hybridum L, in Ruly ostrich
— spadiceum L
— badium L
— agrarium L
— procumbens
} + gelben Bl v spätter rothe, spät roth.

Lotus Lin.

Cal 5fid v 5dent, alae praeter impressionem lobi basilaris haud impressae, margine superiori conniventes, car. rostr.

adscend, stam diadelph. (9 et 1) fil alternat longiora, apice dilatata, styl. glabscens. atten. stigm obtus., leg lineare, teres v compress. rectum v arcuatum, apterum, unilocc v transverse septulis diversum, polyspermum, in valvas duas tortiles dehisc.
Herbae plerumq diffusae, fol tern. stip. caulin. foliac. fl in pedunc. axill uni-bi-multifl, umbellati, plerumq flavi.
Sp. Lotus corniculatus.

Tetragonolobus Scop.

Cal 5fid v. 5dent, alae margine superiore conniventes, car. rostr. adscend. stam diadelpha (9 et 1) fil apice dilatata stylus glab. superne incrassatus stigmate attenuato, canaliculato v subbilabiato cavo; leg. lin. rectum, alis 4 foliaceis marginatum, unilocc, biralve, polysperm.
Herbae caulibus erectis, parum ramosis, fol trifoliolata, stip caulinares foliaceae, pedunc axill uni bi flori, bractea apice stipati, fl purpurei v flavi.
Sp. Tetr. siliquosus (Lotus siliquosus Lin.)

Astragalus Lin. (Dec.)

Cal 5dent, dent 2 superioribus plerumq brevioribus, saepe demum auctus, car. obtusa mutica stam diadelpha (9 et 1) fil filiformia styl. adscend. stigm. terminale simpl; leg biloc. v. semibiloc. sutura nempe dorsali (v inferiore) introflexa, dissep. compl. v incompl. formante.
Herbae v suffr. introd acaules, erectae v caespitosae procumbentes fol pinnata, petiolo saepe persistente, pungente, stip petiolares v caulinares intro connatae, et tunc oppositifoliae; fl racemosi v spicati, rar solitarii v. gemini, colore vario.
Sp. A. hypoglottis Lin.
— glycyphyllus Lin.
— cicer. Lin.

Ornithopus Lin.

Cal. elongat. tubul. 5dent. dentib. superior. basi connatis, car. rotundato-obtuse, stam. diad. (9 et 1) fil alterna superne dilatata, leg elongatum, rectiusculum v arcuatum compressum, ad genicula utrinq contractum, articuli monospermi.
Herbae o fol impari-pinn. stip parvae petiolares; ped. axill. uni-v. umbellato-pauci-flori, fl. albidi, purpureo striati.
Sp. Ornithopus perpusillus Lin.
(Ornobrychis sativa i zmnifelopty, fol. nam frizab Kra gat. fin.)

Vicia Lin.

Cal. 5 fid ant 5 dent, car. obtusa, stam diad (9 et 1) fil subulata; stylus filiformis superne undiq pilosus v latere inferiore barbatus, simulq glab v pilosus; stigm. term, simpl; leg bivalve, uniloc, di-poly-sperm., sem subglobosa, hylum orale v lineare, ante maturitatem arillo conformi tectum; cotyledones hypogeae.

Herbae plerumq scand., fol abrupte pinn. multijuga, apice cirrhosa, raris mucrone terminata, stip catilin plerumq semi sagittatae, pedunc. axill racemosi v uni-bi-flori; fl colore vario.

(Vicia, Ervum et Lathyrus sind nur unsre Arten)

Sp. V. hirsuta Koch (Ervum Lin) wenige Bl.
V. sylvatica Lin
— cracca —
— tenuifolia Roth } vielblütige Blumen
— sepium Lin
— angustifolia Roth } wenige Bl.

Lathyrus Lin.

Cal 5 fid ant 5 dent, car obtusa, stam diad (9 et 1) fil subulata, styl. linearis v sursum dilatatus, latere superiore planus, sub stigm. recto v recurvo deorsum pilosus, stigm. termin simpl, leg. bivalve, uniloc. di-poly-sperm; sem. subglob. hylum orale v lineare, ante maturit. arillo conformi tectum; cotyl hypogaeae.

Herbae plerumq scandentes, fol abrupte-pinn, cirrhosa, stipulae caulin. semi-sagitt.; pedunc. axill uni-bi-multiflori; fl. flavi, roseci, coerulei, purpurei.

Sp. L. pratensis Lin, gelbe Blumen
— sylvestris Lin } rothe —
— heterophyllus Lin } blaue Bl. ist d. d. Letter-Sp.
— palustris Lin

Orobus Lin.

Cal 5 fidus 5 dent, car obtusa, stam diad (9 et 1), styl linearis, ~~fil. subulata~~, v dilatatus, latere superiore planus, stigm. terminale simplex; legum. bivalve, unilocul. polyspermum; sem et hilum ut in Lathyro.

Herbae erectae non scandentes, fol. abrupte-pinn, mucrone herbaceo termin, cirrhosa, stip semi sagittatae, pedunculo axill polyflori, fl. varii.

Sp. Orobus vernus Lin.

23 Amygdaleae

(früher unter d. Rosaceen mitgenommen d. v. Kirsch d. Blüthen zubereit.)

Cal tubuloso-urceolatus, limbo 5partito aestiv imbricatus, regularis, deciduus, pet 5, fauci calycis inserta, aequ, aest imbricata. stam 15-30 ibid inserta, aest incurvata, lib. anth biloc. introrsae; ovar simpl. lib. sessile uniloc. bioviulatum, ovulis pendulis. stylus simpl terminalis, subpeltato integr, fr. drupaceus, submonosperm.; embr. rectus exalbuminosus, endopleura tumida inclusus, radicula ad hilum versa.

Arbores v. frutices, fol sparsa, simpl, integra, penninervia basi saepe glandulosa, stip. lib. caducae; fl. solitarii v. sterpius fasciculato umbellati v racem.

Prunus. Lin.

Calycis limbus 5part. pet 5, stam 15-30 calycis fauci inserta, ovar. lib. drupa succosa indehisc. putamen laeve v. sulcatum, foramine destitutum.

Fr. ff. d. Gattung unreif in 2 Arten eingeteilt: Prunus u. Cerasus.

Fructices v arbores, fol sparsa simpl stip lib caducae, fl ~~pedunculati~~, solitarii, fasciculi, fasciculato-umbell, plerumq albi.

Sp. Prunus Pruus

24. Rosaceae

Cal limbo 5 rar. 4 partito, aestiv. valv., saepe 5 stipellatus, pet 5 rar 4 perigyna aequ. (-ff. u. Chrysomelan.) aest imbr. stam ∞ rar numero defin. 4, 5 v. 10. fil persist, aest incurvata, anth biloc., ovar plurima rar numero defin. lib. distincta unilocularia, uni- v. pluri-ovulata, styl. lateralis, v rar. terminalis v. subterminalis, stigm. simpl v subcapitata, nucellae v drupellae ∞ monosperm, rar. folliculi polyspermi; sem. exalbum. embr. rectus radicula hilum spectante.

Alba ♃ v frutt., fol sparsa simpl v ternatim palmatim v pinnatim composita; stip petiolares, inflorescentia defin. fl albi v aurei rar. purpurei

Fructus polysp. — — — — — — — — Spiraea

Fr. monosperm.

Cal stipellatus

Styli laterales

Receptac. carnosum, comosum — — Potentilla

— spongiosa-carnosum — — Comarum

— carnoso-succulentum — — Fragaria

Styli terminales

Cal. ecstipellatus — Geum

1. planus, fr. drupaceis — — Rubus

2. tubo ventricoso v. turbinato — — ~~Rosa~~ Rosa

Cal. dem. carnosus, ovar ∞ — — Rosa

— dem. induratus, ovar 2. — — Agrimonia

(Spiraceae)

Spiraea

Cal 5fid ebracteol. persist. pet 5 et stam ∞ calycis fauci inserta, carp. 5 rar pauciora v plura, follicularia 2-4-v. poly-sperma, lib. v basi connata.

Herbae v frutices, fol simpl rar composita v dissecta; stip saepe minute fugaces, fl axill. et termin. cymosi v. corymbosi albi rar rosei hermaphroditi, raro polygami v. dioici.

Sp. Sp. Ulmaria L. v Nat. denudata (f. d. von Blattfl. aufwärts
— filipendula f. pleniflorum Borkh., f. Ränderfl.)

(Dryadeae)

Geum Lin.

Cal. 5fid, 5bracteol. pet 5 et stam ∞ calyci inserta; carp ∞, gynophoro sicco cylindrico inserta, monosp. indehic. sicca, styl terminali hirsuto v glabro, gyrato-geniculato inferato-terminata.

Herbae ♃, fl sparsa, radic. impari-dissecta, lobo termin majori, caulina, ternatisecta, stip. petiolares fl subcymosi, interdum termin solitar, flavi, coccinei,

Sp. Geum rivale
— urbanum
— intermedium f. pumilum.

Rubus Lin.

Cal 5fidus, planiusculus, exstipellatus, cor. 5petala et stam ∞ calyci inserta, ovar. ∞, gynoph. exsicco hemisph. v conico inserta, styl sublater. simpl, carp drupacea, in baccam sparam deciduam coalescentia.

Frutt. plerumq aculati et sarmentosi, rar. herbae, fol simpl digitata v impari pinnati, stip. petiolares, fl cymosi v. solitarii albi v purpurei.

Sp. R. Idaeus L. Himbeere
— fruticosus L. or corylifolius
— caesius L. Brombeere, f. spurgen Baum
— saxatilis L.
— arcticus L. f. Sallin im vor Jahr (f. Blaschmaö) gefüllt
— chamaemorus L.

Fragaria

Cal planiusculus 5part 5stipell pet 5 et stam ∞ calyci inserta ovar ∞ gynophorem aucto succoso hemisph. v conico inserta, styl. lateral. simpl; nucul. siccae lib. gynophoro impressae.

Herbae ♃ caespitosae stoloniferae, caules scapiformes, fol ternatim foliol, stip petiol fl cymosi albi, gynophorum rubrum.

Sp. Fr. vesca Lin gemeine Erdbeere
Fr. collina Ehrh. f. Jamiesii Zerrer d. angepflanzten
umfaßenden, fgefüllgenen Teich; Zwerbabnera)

Comarum Lin.

Cal planiusc, limbo 5 part, 5 stipellatus, aest valv, pet 5 cal. minora v subaequ staminaq ∞, cal. inserta; ovar ∞ in gynophoro hemisph spongioso carnoso, styli lateral, nuculae siccae, glabrae v planato-comatae.

Herbae ♃ v frutt; fol impari-pinn, stip petiol vaginantes, fl depauperato-cymosi, cal coloratus, pet alba v sanguinea.

Sp. C. palustre L. (Potentilla Scop.)

Potentilla. Lin.

Cal planiusc, limbo 5 rar 4-partit, 5-4-stipell; pet 5, 4, stamina q ∞, cal. inserta; ovar ∞, in gynophoro minuto, convexo, sicco, piloso; styli laterales, nuculae siccae, glabrae v pilosae.

Herbae ♃ v rar frutt. fol sparsae, compos, ternata, digitata v impari-pinn; stip. petiol, pedunc. cymosi; fl. flavi, albi v purpurei.

Sp. P. fruticosa
- anserina
- argentea
- reptans
- Tormentilla (Ehrh)
- norvegica —

Agrimonia Lin.

Cal. turbin, limbo 5 fido exstipell. dem conniventi sub limbo spiris numerosis armatis demum induratis, pet 5 stam 15, ante annulum faucem caulici adnatum, inserta; ovar 2 styli term, nuculae solit v 2 calyci indurato inclusae.

Herbae perennes, fol impari-interrupte pinn, stip petiol fl racemosi pedicell. medio bibracteolatis, lutei

Sp. Agr. Eupatoria Lin.
— pilosa Ledeb. ὁ γὰρ πόρος, τὸ οὖς τῆς φύσεως

Rosa Lin.

Cal. tubo urceol. limbo 5 part, exstipell, pet 5 cum stam 20 v. plur ante discum glandulos fauci calycis constricti inserta ovaria plurima calycis tubo inclusa styli sublaterales, nuculae plurimae ossiae, calycis tubo dein carnoso apice contracto inclusae (Cynorrhodon)

Frutt. aculeati, fol imp.-pinn, stip. petiol., fl terminales solit v cymosi rosei albi v flavi.

Sp. R. cinnamomea Lin v simplicis
— canina Lin v canyl ovar. — pedic, fructus tubo glabro
— tomentosa Smith
— pomifera Herrm.

25 Sanguisorbeae

, Fl hermaphr v diclines cal fauce constrictus 4-5-part, rariss stipell, aest. imbric., pet 0, stam 1–30, fauci cal. inserta, anth. v bilocul, anth v biloc, longitudin. dehisc v rar. loc transverse dehisc; ovar solit v 2–4, uniovul, libera, styl. termin. v basilaris, stigma plumosa v capitalata; nuculae solit 4, cal. persist, plerq indurato inclusae, sem. pendula v adscend. alb 0 embr rectus.

Herbae plerq ♃, intro suffrut. rarr spinesc, fol sparsa, simpl et tunc lobata v pinnatim palmatimve compos, stip. petiol, fl parvi, glomerato-capitati.

~~Tr~~ (Alchemilla et Nigellan non refunno Zally; Sanguisorbas.)

Alchemilla. Lin.

Cal subcampanul. limbo 4-fid, 4 stipell, pet 0, stam 1 v 4, annulo fauci inserta, stipellis antepos.; ovar simpl v 2, styl. basilaris, stigma capit, nucula cal inclusa.

Herbae ♃ rar ⊙, fol digitato 5-loba, rar palm.-part., stip petiol, fl cymoso fascicul bract, virides fundo flavescentes.

Sp. A. vulgaris Lin.

Sanguisorba Lin.

Cal tubo sub quangul, limbo 4 part, ex stipell, basi tribract, pet 0, stam 4, limbi laciniis antepos; fil superne latiora, ovar solit rar 2 stylus termin; stigm. penicilliforme, nucula solit rar bina, calx tubo indurato incl.

Herbae ♃ glabrae fol impari-pinn foliola petiolulata, stip petiol. fl glomerato capitati, atropurpurei, roseivalbi.

Sp. Sang. officinalis Lin.

26 Pomaceae.

Cal tubus, cum ovar con, limb 5 partit marcese persist, lac. imbricatis; pet 5 fauci cal. inserta, aest imbric., stam circiter 20 epigyna, aest. incurva, ovar simpl e carpi 2–5, rariss solitario inter se et cum tubo cal connatis, constans, carp 2-var pluri-ovul, styl. solit 5, lib v inferne connati, stigmata simpl; fr carnosus, pomum v bacca, 1–5 locul, rariss spuria 10 locul, sem in loc solit gem ira v plura, adscend, alb. 0, embr rectus.

Arbores v frutt. fol sparsa, simpl v pinnatim comp. stip lib, decid, fl termin, cymosi v corymb, rar racemosi, albi v rosei

Crataegus Lin.

Cal tubo urceolato ovario adn, pet. patent., stam 20 cum pet fauci calicis inserta epigyna, ovar adn. 2-5-loc., locul 2 ovul, styli glabri, pomum disco contracto terminatum, v. 5-pyrenum, pyr. 2 v abortu 1 monosperm.

Frutt. spinosi; fol simpl integra v inciso lobata, fl cymosi termin, albi, bracteae subulatae, decid.

Sp. Cr. monogyna [illegible]
— oxyacantha [illegible]

Cotoneaster (Med) Lindl.

Cal turbin, ovar. adn, 5 dent; pet brevia erecta stam sub 20 brev. styli glabri, carp 2-3 bioval, inter se cohaer, intra cal den. incrassatum pomiformem apice nuda, polyspermum

Frutt inerm, fol, subtus tomentosa fl axill solit v cymosi albi v purpurasc.

Sp. Cot. vulgaris (Mesp. Coton. Lin) [illegible]

Pyrus Lin

Cal tubo urceolato, ovar adn, limbo 5 fido, pet 5 rotundata patent; stam sub 20 cum pet fauci cal inserta, epigyna pomum clausum 2, 5 loc, locul 2 sperm, endocarpio cartaceo cartilagineo.

Arbores v arbusculae, fol simpl integra flor cymosi in apice ramulorum subumbell v subcorymb, albi v purpurei.

Sp. Pyrus ~~Malus~~ acerba [illegible]

Sorbus (Spiraeae Pyrus)

Cal tubo urceol ovar adn, limbo 5 fid persist pet rotundata patent, cum stam circite 20 annulo ~~gland~~ in fauci inserta epigyna; pomum baccatum, 1-5 locul, clausum, loc 1 sperm, endocarpio tenuissimo membran.

Arbores v arbusc, fol integra bb pinnatifida v compos, impari-pinn. fl cymosi alti rar rosei.

Sp. Sorbus aucuparia Lin
— scandica Fries —

(v. Mitschlydr. [illegible] v. Rosac. v. Onagr. [illegible] v. Ramiantheen
v. Calycantheen. — v. Onagrar. [illegible]
t. v. Rosacen, [illegible] t. Ribesiaceen, [illegible]
i. [illegible] t. v. [illegible], [illegible] t. Myrta-
ceen,)

27. Onagrariae

Cal tub v totus ovar adn v ultra ovar. elong, limb 2-5, saepiss vero 4-fid, lac aest. valvatis, pet tot quot cal. lac, iis alt. aest contorta v imbric ad faucem tubi inserta, rariss 0, stamina pet numero aequ v dupla v rar diversis pauciora cum iis inserta; ovar adnatum 2-pluri-loc., plac. central. plurioulatis, styl simpl stigm capitat ant 2-4 fid, fr v baccatus v saepe capsul dehisc v nucamentac, semin plerumq ∞ rar abortu in loc solit erecta v adscend nunq pendula, exalb. embr rectus radic ad hilum versa.

Herbae ⊙, ♃, v suffrutt, fol infer saepe oppos super. plerumq sparsa intd verticill simpl-castrjal; fl axill solit v racemosi terminal. —

Epilobium Lin.

Cal tubus lin, ovar adn limbi 4 part ad ovar apicem circumscisse decidu, pet 4, stam 8 anth incumb stylus filiform, stigm clavatum v 4 fid patens, caps. lineari-4-gona, 4 locul 4 valv polysperma, sem apice comosa.

Herba ♃ rar ⊙ fol sparsa v oppos integr, extstip; fl axill, solit v terminal racemosi, bracteati purpurasc v albidi.

Sp. E angustifolium Lin
— hirsutum Lin
— parviflorum Schreb (E. pubesc Roth.)
— montanum Lin
— palustre Lin
— obscurum Schreb. (a unya vari var d E. 4 gon. Lin unyspafon)
— roseum Schreb

Circaea Lin

Cal tub oblong ovar adn limb 2 part decid pet 2 obcordata stam 2 pet alterna, fr nucamentac, globulatus, 2 locul loc 1 spermis, semin. erectis.

Herbae ♃ tenerae erectae basi repentes, fol oppos petiol, fl racemosi albidi v rubentes.

Sp. C. lutetiana Lin
— alpina Lin.

28. Halorageae.

Cal tub ovar adn limb 4 part pet tot quot cal laciniae stam pet numero dupla v aequ, ovar 1-pluri loc, locul uniovulatis, ovul pendulis, in plac. central, styl 0, stigmata tot quot ovarii loc, sessilia, pappulosa v penicilliformia;

fr nucamentv drupae, sem albumin, embr rectus centralis raro ad hilum versa.

Fruticuli v hbae aquat. ⊼, fol v sparsa v oppos v. verticill, caulin., fl saepius diclines, axill v racemoso spicati.

Myriophyllum. Lin.

Fl monoici, masculini cal limb 4 part pet 4 caduca, stam 8 fl. femini cal tub ovar ada 4gon, limb 4 part minor quam in fl masculo pet minima in apice angulorum ovar inserta reflexa stigmata 4 villosa subpenicilliform. ovar 4 loc, loc unioval; fr 4 coccus, lasuccus, dem secedens in nucalas 4, sem pendula, alb subnullo

Hbae aquat, natantes immersae inflorese. emersa, fol verticill pectinato-pinnatisecta, fl axill solitarii, sessiles, basi bibracteol. verticill l. verticill-spicati, superiores masc, infer. femini.

Sp. M. verticillatum Lin.
— spicatum Lin.

29. Hippurideae

Cal limb integer, minimus obsolete 2lob, tubo ovar. ada, cor 0, stam 1 cal margini ad basin anter. insertum; fil brevis anth bilocosa ovar 1loc foral, ovul pendulo; styl filiform, anth sulco receptus, drupa carne tenui, putam. crusso cartilag, cal margine coronata, sem albumin, embr rectus.

Hbae aquaticae plerumq simplices, fol verticill, integris, fl in axillis solit eoque verticill.

Sp. H. vulgaris (Charact. gen. idem at charact. familiae)

30. Callitrichineae

Fl hermaphrod v diclines, bract 2 oppos petaloideae, hyalinae, ad basin floris, cal 0 v inferus minimus 2phyll cor 0, stam solit. anth reniformi 1local, sutura transversali dehisc, ovar simpl 4angul, angulis 2 majus approxim, 4 loc, loc 1ovul, styli 2 subulati stigmatibus indiv drupa lasucca deniq in carp 4 non dehisc secedens, embr inversus, in axi album carnosi.

Hbae aquat, natant, fol. oppos., submersis elongatis, emersis rosulatis.

Callitriche

Char. gen. idem ac charact fam. – Spp. nos satis hucusque definita; apud nos vereminile haec inveniuntur: C. vernal et C. autumnalis. –

31. Ceratophylleae

Fl monoeci nudi in axill folior. sess. stas: fl sing monand. infer bracteati, anth subsess biloc, 4locellatae, extrorsae apice poro dehisc; pollen ~~(aurico~~ membrana donatum. Fem. fl solit. bracteat, bract. solit. plur; ovar uniloc uniov, or pendulo formotropo (atropo Schleid) integum. simpl, styl filiformis, stgm simpl; drupa pericarp. ligneo, bract. persist. cincta, sem pendulum, integ membran simpl, album e cellulis aliquot plumulam cingentibus, constans; embr rect. dicotyledoneus, plumula in sem excrescens, rad crassa, inf. Herbae submers, rigid, fol vertic, dichotome part, fl axillares.

Ceratophyllum

Char. gen. idem fere est.

Sp. C. vulgare Schleidera (C. submersum Lin.)
α. platyacanthum
β. oxyacanthum
c. muticum

32. Lythraricae

Cal gamosep, tubo cylindr, limbo dent, dentib aest valvatis v distantibus, sinubus inter in lobulos conicos dentesve exter. product, persistens, pet summo calycis tubo insert o, stam tubo cal infra pet inserta, lib; numero pet, vel dupla, v quadrupla; ovar lib, bi-4-loc, multiovul, placent. central, styl simpl, stgm simpl saepe capitatum, caps membran calyce cincta, 2-4-loc. v dissepim. evanidis, 1loc, valvatim v irregulariter dehisc, sem exalbum, embr rectus, radic. ad hilum versa

Fl o, ☿, v fruticulosae, fol oppos vertic rar sparsa, simpl. integerr. exstip., fl in thyrsum spicat congesti v. axill solit v cymoso paniculati

Lythrum Lin.

Cal tubul cylindr 8-12dent, dent 4-6 (sepalorum apices lib) (rigent Vrgalen), subulatis, erectis 4-6 exterioribus (sinubus) pet oppos patulis, pet 4-6 apici tubi calyc. inserta,

Stam. pet aequ v duplo basi v medio calycis tubi ins, styli filiform stgm capit caps cal tecta 2 loc polysperm, plac crassae, dissep adnatae.
Herbae v frutt, fol sparsa oppos v verticill integerr, inflorescentia eadem ut in char. fam. definito est.
Sp. L. Salicaria Lin.

Peplis. Lin.

Cal campan subcompress. 12 dent, dent 6 nempe sinubus, brevioribus reflexis, pet 6 fauci ins, caduca, saepe 0, stam 6 antecal dentes latiores ins. Styl brevis, stgm orbiculare, caps calyce tecta 2 loc polysperma.
Herbae minutae, prostratae, ramosae, fol oppos v sparsa integerr, fl axill solit v gemini, subsess, bibracteati.
Sp. P. Portula.

33. Portulaceae

(Gf infer von Caryophylleen. vw)

Cal 2 sep. v 2 fid, rar 3-5 sep. aest imbricatis, pet 5 ims cal ins, v in coroll gamopetalam plus minusve connatam, stam numero petal v pauciora et pet oppos, insque adn, v indefinita lib, omn fertilia; ovar lib v basi cal adn, 1 loc, 3- v pluri-ovul, plac centr lib, styl simpl v 0, stgmata plura, caps. circumscissa v 3-valvis, sem album., embr. peripher.
Herbae ⊙ v ♃ v fruticuli, fol oppos v sparsa carnosa integerr stip 0 rar scariosae v fascicali pedorum laram loco, fl cymoso-racem. v axill solit

Montia Lin.

Sep 2, persist; cor infundibuliform tubo antice ad basin usque fisso, limbo 5 part, lacin 3 minorib, stam 3 fauci ad basin laciniarum minorum ins; ovar turbinat. Styl brevis, stgmata 3 tuberula, caps cal persist cincta, 3 valvis, oligosperma.
Herbae carnos. glabr. procumb, fol oppos, racemi pauci flori termin, fl albi v pallide rosei.
Sp. M. fontana L. (fl ♂ dorsum bimb. stamd, fp. d. Wedw) — — Lin. tomen

34. Paronychieae.

(Olim Portulaceae etc v intervalo placenta; d. Alsineae mihi)

Cal gamosep ~~v rar~~ 5 part, rar 3 v 4 part aest imbric persist; petala

(contd.)
minuta squamiformia numero sep, cal inserta, stam lib nunc
10 pet v pauciora perigyna pet alterna, ovar lib 1-loc, ovulis pla
centae centr. lib affixis v uni-ovulatum ovulo ex apice funiculi
longati l fundo ovarii orti, pendulo; styli 2 v 3 distincti v basi
concreti; fr ~~v~~ valvis v indehiscens, sem albumin, embr periphe
ricus v lateralis ~~dictum~~ radic ad hilum versa.
Herbae ⊙, ♃, v saffrutescentes, fol oppos, rariss sparsa integerr.
Stip plerumq lib, scariosae.

Herniaria Lin.

Sep 5, basi parum connata plano-concava intus sub colorata, pet 0, stam 10, 5 sep alterna, castrata –, ovar globos, styl
breviss stigmata 2 obtusa, caps calyce tecta membran indehiscens,
1-spermab utriculus)
Herbae v suffrut prostrati ramosissimi fol parva oppos rar.
sparsa integerr stipul., fl ~~alari~~ fasciculato congesti bracteati, bracteae sti
pulaeque hyalinae.
Sp. Ott. glabra

35. Scleranthaceae

Sep 5 conata in calycem tubo campanul, fauce annulo glanduloso coarctatum limbo 5, 4 part, acest imbric fructifero cum fructu incluso deciduo, pet 0, stam ante anulum fauci inserta cal lacin oppos v 10, 5 fertilia cal lacin oppos, v solit.
ovar lib 1-local 2 ovulatum, ovul in paniculo e basi ovarii orto pendulis altero abortiente, styl simpl v 2, stigmata
capitata v styl simpl emarginatus; utriculus membran.
cal tubo indurato incl, embr periphericus, alb farinaceum.
Herbae ⊙ v ♃ dichotome ramosae diffusae, fol oppos, ex sti
pulata; fl parvi albido-virentes.

Scleranthus Lin.

Cal urceol-campan, limbo 5 partito, pet 0, stam 10, 5, v.
rar pauciora, ovar biovul, styli 2 utric cal incl, sepetimus,
Herbae dichot ramosiss diffusae, fol linear basi conn,
fl axill solit v termin conglomerati
Sp. Scl. annuus Lin, ♂ Italy in ♂ Crusch of Oaks
— perennis Lin ♂ Italy, Zigfal b ♂ Crusch in gravelly.

36. Crassulaceen

(Chiefly ~~♂~~ inigrynous ♂ Mesembryanthemum in ♂ Crusch,
varies ~~♂~~ ♂ Ficoideae, cacteen etc.)
Sep 3–20, plus minus conn, aequ, pet, tot q not cal lacin,
bis alterna, aequ, libr conn, stam cum pet cal inserta v.

mem aequ et pet alterna v dupla; orar totquot pet, sep alterna, lib, v basi v angulo intro corr, extus basi squama hypogyna falta, styli lib, simpl, raris corr; sem suturae inter carpellorum inserta tropospermio plus minus producto albumin, embr rectus, in axi album parci, radic hilum spectante.

Herbae ⊙ v ♃ v fruticosae, succulentae, fol exstip rarissime stipul (Tetradycliis), carnosa, integra v var fissa, inflorescentia cymosa.

Calcen Gattg = ppa ♃ d Zte d Quirlstlns v d Axl d Blumenstg v pet.

Sedum Lin

Sepala 5 rarius 4 v 6 basi connata, persistentia; pet 5 (4–6) basi cal ins marcesc, lib, stam 10 squama hypog 5, follic 5, polysperm; sem scobiform.

Herbae, rar frut, carnosae, fol sparsa rar oppos v verticill, plana v teretia; fl cymosi colore vario.

Sp. Sedum Telephium Lin
— „ album Lin
— „ acre Lin
— „ sexangulare Lin (fr v acre wird d ppügs. Bl. mssg.)

Sempervivum Lin

Sep 6–20 basi conn persist pet 6–20 basi connexa stam num dupla, squamae hypog et carp totquot pet, follic polysperm, sem oblongo tetrahedrala.

Herbae v frut, in herbaceis saepe propagines rosulatae ad basin; fol sparsa carnosa, fl cymosi aurei v rosei.

Sp. Sempery. tectorum

37. Grossularieae

Cal tubus ovarii adnatus, limb planiusc campan v tubul 4 v 5 fid regul, pet 4–5 ad marginem faucis ins, lacin alt aequ, stam 4–5 inter pet ins, lib, orar loeul multiovul, placent 2 parietalib, oppositis, styl 2–4 fid, bacca cal limbo marcesc coronata, sem albumin, embr minutus ab hilo remotus, cotyled hilum spectantes, frut inermes v spinosi, spinae simpl v 3part, fol sparsa palminervia lobata, racemi intra pauciflori bract, pedicell bibracteol, fl col var, int rum abortu diioici.

M pt v d dem die der Eskaloniea abgetrennt, d dfs häufig. pt. die Saxifragen

Ribes Lin

Fl pentameri; ceterum charact. idem est ut char. fam.

Sp. R. alpinum Lin frucht Ribe v Jüngen Bracteum.
— nigrum Lin
— rubrum Lin.
(— Grossularia nur mrnlrl.)

Anm. d Gattg Villarea kul ausfassaml Zf d Bäume nur, ist ab bejahg, wol ihres Blumenstg wegen in jetzt mordrn. fud ausgrenzen Leiden provinzen i spnt.

38. Saxifragea Lin.

Cal 5 fid v 5 part, rar 4-7 fid, aest imbric, lib v ovar plus minus adhaerens, pet 4-5, cal inserta, aequ v inaequ, rar nulla, stam petal numero aequ v dupla (saepius) perig v hypog, disco hypogyno v saep epigyno int, intra obsoleto, ins, ovar const e carp 2, marg placentiferis, 1-2 locul, loc multiovul, plac parietalib, v centralib, styli 2 rar 4-5 persist, stgm obliquis, fruct capsularis saepe bilob v a basi ad apicem v intra stylos foramine dehisc; sem ∞ album, embr in axi album rectus, radic ad hilum versa.

Herbae ⊙ v ♃, raris frutt, fol exstipul, palminervis, saepe palmatifid v partitis, fl cymosi intra sustolit, albi, flavi v. rubentes.

~~Sp. Sax~~

Saxifraga Lin

Cal ovar adn v lib, 5 part v 5 fid, regul; pet 5 plurimq aequ, stam 10, ovar bilocc, disseps utrq placentifero, styli 2 persist, caps 2 rostris, 2 loc inter stylos incomplete dehisc, polyspermae; sem minuta albumin.

Herbae caespitosae fol sparsa raro opposita, integra v palm.-lobata, fl solit v cymosi, in apice caulis, albi flavi, v. rubentes.

Sp. S. Hirculus Lin in pünctgen Gegnden
— granulata Lin, pünctig
— tridactylites Lin aus in trockenen Geg, t Rasen, ~~t pünctt Dal~~ Sbern.

Chrysosplenium Lin.

Cal semiadn, color, 4 fid, lacin 2 oppos minorib, pet 0, stam 8, circa disc glandul partem lib ovar cingentem inserta, styli 2, caps 2 rostris, 1 locul, ad medium, 2 valvis sem nitida albam.

Herbae minutae tenerae, fol reniformi-subrotunda, repanda v incisa crenata, sparsa v oppos; fl. term. cymosi, cum fol. floralib. involucrant, aureo-lutei

Sp. Chr. alternifolium Lin

39. Umbelliferae.

(Ostasen v Araliaceen zu möglich. t Warm t v Rubiaceen i m v Büsch 1 ½ werden. Grösse Capselfrt. fbu f t v Ra-

umkülze; wir d. bunt Zeichn. d. corollen u. Staubgef. u. einige nur einige f. d. ganz Werth z. legen i. mehr d. Umriss wird.)

Cal tub ovario adn, limbus 5 dent v obsoleto, pet 5 intercal dentes insita, aest saepe adplicativa; stam 5 pet alterna epigyna, aest inenrvata, caduca; ovar biloc, loc uniovul, ovul pendulis, rariss ubocal (ff. Inflflegen) styli 2 singuli basi in discum epigynum dilatati (v. Kork) (carpophorum) dimidium apicis ovar occupantem (stylopodium) cremocarpium const e mericarp 2, ex apice axis bifidi (v. bipartiti, pendulis a basi ad apicem solutis rar coneretis, sem pericarp adn v tar lib albumin, alb magnum corneum, embr minutus in apice album pendulus rectus, radic ad hylum versa

Habit ⊙ v ♃ rar frutt, fol sparsa, raro oppos petiolis vaginant, laminia saepe decomposita dissecta v phyllodia, stip 0, fl umbellati, umbella saepiss compos rar depauperata v capitulum contracta; flaborta intd polygami, parvi, albi, flavi, rubentes v raro coerulei (nur in Neuholland)

v gr bem zerf. d. Bau d. album in d. Kreuztabell. 1.) Umbell. orthospermae wo d. fimis fleischig od. formart, aufsen gewölbt, innen flach ist.
2) U. campylospermae bei wo d. im d. Mitte d. d. Mitte einwärtsgebogen ist.
3) U. coelospermae bei wo d. Basis gr. Theil gegen d. Mitte zu (Ff. 6 u. 2)
Hier d. artzen grs d. Hydrocotyl, fon n. fl. a latere contracti v plano-compressus, umbella imperfecta. Hydrocotyle Linn.

Conspectum fam. generum:

I Orthospermae
A. Tanciugatae
a. Fr. a latere compressus
α. Umbella simpl. — — — — — — Hydrocotyle
β. " compos. — — — — — —
αα. Vallec. 1 vittatae
m. Fr. oblongus.
1. Cal. margo 5 dent — — — — Falcaria
2. " " obsoletus — — — — Carum
b. Fr. subglobosus didym — — — Cicuta
ββ. Vallec. multivitt.
m. Cal. margo 5 dent — — — Sium
b. " " obsoletus — — — Pimpinella
γγ. Vallec. evittatae — — — — Aegopodium
b. Fr. sect. transvers teres
α. Umb. fascicul v capit
αα. Fr. glochid, multivitt — — — — Sanicula
ββ. " squamatus, evittatus — — Eryngium
β. Umb. perfecta
αα. Carpophorum indistinctum — — Oenanthe

ββ. Carpoph. distinctum
1. Cal. margo obsolet[us] ~~...~~
* Vallec 1-vittatae " " " Aethusa
* " multivitt " " Conioselinum
2. Cal. ~~marg~~ dentes subulati decidui " " Libanotis

C. Fr a dorso compressus
α. raphe centrali margine bialatus
αα. Pet. obov. emargin " " " Selinum
ββ. " lanceol. intgr. " " Angelica
β. raphe margin, ala simplici " " Peucedanum
αα. jugi subaequidistantia " " Pastinaca
ββ. " lateralia remota " " Heracleum
γγ. Vittae linear longitudine vallec.
δ. " clavatae, vallecula breviores
2. Multijugatae
a. Jugorum alis integerrimis " " Laserpitium
b. ~~Dauc~~ " " aculeatis " " Daucus
II. Campylospermae
1. Multijugatae fr. aculeatus " " " Torilis
2. Paucijugatae
α. Jugi obsolete, fr. rostratus
β. " filiformia, fr rostris elongatus " " Anthriscus
γ. " pusilla, fr turgidus " " " Chaerophyllum
4. ~~Orthospermae~~ " " Conium

5ta Ord. Hydrocotyleae.
Fr a lat contractus, v plan compr, umbella imperfecta.

Hydrocotyle Lin.
ac margo obsol, pet obov intgr, acuta, ap. recto, fr lat pl-compr, bipartitus, meric erecti, jug. 5 filif, carinali et lateralib saepe obsol, inter medios duo armatis, sem. carinato-compr.

Herbae plantae aquaticae rar suffruct, fol varia v peltata, umbellae simpl in involucr oligophyll, fl albidi.
Sp. H. vulgaris. Lin.

IIte Grupp Saniculeae
Fr. sectione transversali subteres, umbellae fasciculatae et capitatae simpl v irreg subcomplos. v. umbellulae capitatae Sanicula. Eryngium.

Sanicula Lin.

Cal margo 5 dent, dent foliolosi, pet erecta conniventia obovata emarginata, infracta in lacinulam longitudine petali; fr. subglobos aculeis uncin dense tectus, mericarp cohaer ejugatis multivittatis, carpophorum distinct. 0;
Herbae ⅔ caules erecti ramosi v simpl,
fol 5 part lac inciso-serratis, umbella pauci-radiata, umbellulae pluriflorae, involucr oligophyll, involucella polyphylla, fl albi v rubelli polygami
Sp. S. europaea Lin

Eryngium Lin.

Cal margo 5 dent, dent foliolosi, pet erecta conniventia, oblongo-obov. emargin-infracta, in lacinulam longitud pet, fr sect transvers, subteres, obovatus, squamatus, v tubercul, mericarpiis spigatis, vittatis, carpophor 2 part, per totam longit mericarp adn.
Herbae ♃ spinescentis, fol basi vaginantia, fl aggregati, in capitula glob ant oblonga, inval polyphyll bract minorib flor intermixtis fl coerulescentes. – Sp. E. planum (Hdw.)
III. 1. Gryr. Apiineae.
fr a latere evidenter compressum; mericarpia jugis 5 aequ, ± umbellae perfectae. (plerq decid)

Cicuta Lin

Cal margo 5 dent, dent foliosi pet obcordata, cum lacinula inflexa, fr subrotundus, a latere contractus didymus; jugis 5 planiusculis, aequ, lateral marginantib; valleculae 1-vittatae, vallecula 2 vittae implentis, paullo majus prominulae quam jugum; carp. (apertis) alb sectione transversali teres.
Herbae aquaticae ♃ glabrae v , caulis teres fistulosus, fol 3-pinn-secta, inval o v oligophyll, involucella polyphylla, fl albi.
Sp. C. virosa.

Falcaria Holst.

Cal margo 5 dent, pet obovata, emargin, cum lacinula inflexa, fr oblongus a latere compress; mericarpia jugis 5 filiform. aequ lateral marginant, carpophorum lib 2 fid; valleculae 1 vittatae, vittis filiformibus, albam tereticonvexam, antice planiusc.
Herbae 2 annuae, fol ternati-secta, segm serrates, termin 3 fido, later indiv v 2-3 fid, umbell. oppositifol termin perfectae, multirad, inval polyphyll, involucella subdimidiata, foliola inf minima; fl albi hermaphroditi intermixtis masculis.
Sp. F. Rivini (Sium Falcaria Lin)

Aegopodium Lin

Cal margo obsoletus, pet obov emargin cum lacin infl, fr a latere compr oblong; meric. jugis 5 filif, lateral marginantib vallecalae 1 vittatae, carpoph setaceum apice furcatum, alb tereticonvexum antice planiusc.
Herbae ♃ fol 2 v 3 ternati-secta, summa 3 loba segm ovato-oblonga, termin petiolatum, later sessil., umb termin et axill compos, multiradiatae, inval et involucella 0, fl albi.
Sp. A. Podagraria

Carum Lin.

Cal margo obsol pet obovata emargin cum lacin inflexa aequ, fr a latere compr oblong, meric. jugis 5 filiff, aequ, lateral margin; commissura plana, vallec 1 vittatae, carpoph lib, apice furcatum, alb tereticonv, antice planiusc.
Flba ⊙ v ♃ glabrae, fol sub 3 pinn secta, segm multifida invol et involucella varia, fl albi intrd rubentes
Sp. C. Carvi.

Pimpinella Lin.

Cal margo obsol, pet obov emarg cum lacin infl, fr a lat contractus ovat, stylopodio pulvinato stylisque reflexis coronatus; meric jugis 5 filiff aequ, later margin, vallec. multivitt, carpoph lib, bifid, album gibbo conv; antice planiusc.
Flbae ♃, fol simplic pinn v bi-tripinnatd sectae; umb et umbellulae multi-rad, in vol, involucellaque ⊙, fl albi v rubelli
Sp. P. Saxifraga Lin (fol bed ungl blumen zwei spltzt, Desp Maxim.)
— magna Lin

Sium Lin.

Cal margo 5 dent, dent intrd minimis, pet obov emargin, cum lac infl fr a latere compr, v contractus et subdidymus, stylopodio pulvin et marg depresso stylisque reflexis coronatus; meric jugis 5 aequ filiform, obtusiusc, lateral, marginant, vallec 3 vitt, vitt superficialibus, carpophor bipart curib meric adn v lib, alb convex, antice planum.
Flbae palidae, fol pinn, foliol integr, in fol demersis multifidis, umbellae oppositifol termin multirad, invol et involucella multifid, fl albi.

~~Oenanthe Lin.~~

IV Syn. Seseline

In sectione transvers subtrocs; meric jugis aequ 5 filiform.

Oenanthe Lin.

Cal margo 5 dent, pet obov emargin cum lacin infl, fr cylindr subturbin v oblong, styl erectis longus coronatus, meric jugis 5 convexiusculis obtusis, later marginant paullo lateriorib, vallec 1 vitt, carpoph ind ibi contractum, alb conve-

bum v subteres.
Hbae aquaticae v palustres, fol 1, 2, 3 pinnati-secta, foliol in lyra v varie secta et incisa, umbell compos; invol saepe 0, invell polyphylla; fl polygami albi.
Sp. Oenanthe Phellandrium (Phell. aquat. Lin.)

Aethusa Lin.

Cal margo obsol, pet obov emarg, cum lacin infl, fr ovato-glob, vall jugis 5 elong crassis, later margin et paulo latioribus, carina subulata cinctis, vall 1 vittatae, alb semiglob, carpoph 2part.
Hbae ⊙ glabrae venenatae, fol 3 pinn secta, sym ta pinnatifida lacin incisis, umbell perfectae multirad. inver 1-phyll 0, involella 1-5 phylla
fl. albi.
Sp. A. Cynapium Lin. (a poisig)

Libanotis Crantz

Cal dent subulati elongati, decid; pet obov, in lacin inflexam coarct, margin v subintegr; fr ovalis v oblong, sectione transv subteres, stylis reflexis coronatus; meric jugis 5 prominulis v elevatis, crassis et corticosis, lateralib marginant saepe paullo latioribus, vallec 1-vitt rar 2-3 vitt, carpophorum 2-part, album subsemiteres.
Hbae ♃; fol pinn-secta, sym. orat incisis multifidive, infimis saepe decussatis, inver, utrinq saepiss polyphyll; fl. albi.
Sp. L. vulgaris (v montana)

Conioselinum Fisch.

Cal margo obsol; pet obcord cum lac infl, fr a dorso compressiusculus; meric jugis 5 alatis, alis totis membranac, jugorum lateralium marginantium duplo latioribus, vallec multivitt, carpophorum 2-part, alb antice planum.
Hba 2enis, glbra, caulis ramosus, fistulosus; fol 2pin-secta, sym pin-partit, lob oblongo linearib umbll terminin multirad, inver 0 v oligophyll, involucelli foliola 5-7, lineari, subulata, umbllae subaequialia aut longiora, fl albi
C. Fischeri (Wimm et Grebowsky)

V. tra 3 Grupp Angeliceae

Fr a dorso compr, marg dilat alato, ala duplicata, raphe nempe centrali, mericarp jugis 5.

Selinum Lin.

Cal margo obsol, pet obov emargin, fr a dorso compr, mericarp

raphe angusta, centrali-connexis, utring bialat, mericarp. jugis 5 membranaceo-alatis, ala jugorum lateralium duplo latiora, vallec 1-vittatae, exteriores saepe 2vitt, carpoph bipart, alb planiusc.
Herbae ♃, glabrae, fol ternato-decompos, sgmn pinnatifid, umbell compos, involr oligophyll, invell polyphylla, fl albi.
Sp. P. carvifolia Lin.

Angelica Lin.

Cal marg obsol, pet lanceol integr acumin, acum recto v incurvo
meric jugis 3 dorsal filif elevatis, duob lateral in ala membr latiore dilatatis, vallec 1-vitt, carpoph 2 part, alb semiteres.
Herba ⊙ v ♃, fol bipinn-sectis, umb term, involr 0 aut oligophyll, invell polyphylla, fl albi.
Sp. Angelica sylvestris Lin.

VI ½ Grp. Peucedaneae.

Fr. a dorso plano- (compr) v lenticulari-compr, marg dilat vel alato complanato v. convexo et incrassato cinctus, raphe margin, mericarp. jugis 5.

Peucedanum Lin (Koch.)

Cal marg 5dent, intro obsol, pet obov in lacin infl coarct emargin v subintegr, fr a dorso pl-v lentic-compr, marg dilat, complan, cinctus, meric jugis subaequidistant, 3 intermediis filif, duob later obsol marg dilatato contin, sem antice planum, vallec 1-v 3-vitt, vitt commissurales superficiales, carpoph bipart.
Herbae ♃ saepiss glabr; fol 1-v pluries pinn-secta v trisecta, umbll perfect termin, inter var, invell polyph, fl albi aut flavi.
Sp. P. rablense ?

Pastinaca Lin.

Cal margo obsol v minute dentic, pet subrotunda, integr, invol, retusa, fr a dorso plano-compr, marg. complan., dilatato cinct; meric jugis tenuissimis, 3 intermediis, aeque dist, 2 later, marg dilat continua vittae lin, jugis vix brevioribus, in vallec solitariae in commissura bin aut pluries, carpoph 2-part, alb complan.
Herbae radice fusif, saepe carnosa, fol pinn-secta, sgm dent incisa aut lobata, umbella perfecta, involr 0 aut polyph, fl. flavi.
Sp. P. sativa Lin.

Heracleum Lin.

Cal margo 5dent, pet obov, emargin, una lacin infl, extra saepe radiantia bifida, fr a dorso plano-compr, marg. dilat complan cin

meric. jugis tenuissimis, 5 dorsal aequ dist, 2 latr marg dilat contiguis, remotis; vittae dors in vallec solit, rar plures, commissurales saep. binae, omnes fructu breviores, clavatae; carpoph. bipart, alb complan.
Habit amplae, ♃; fol pin-secta, trisecta aut lobata, pericladia amplaeque multiradiatae, invol caduc, saep. oligoph, involell polyph.
Sp. Fl. Spondylium

VII. Gg. Thapsieae.

Fr a dorso compr v subteres; meric jugis primar 5 filif, intro setulosis, latr plano commissurali impositis, secundar 4 interior, filiform, exterior alatis vel omnib alatis, ala inermi.

Laserpitium Lin.

Cal margo 5 dent, pet obov, emargin, cum lacin infl, meric jugis primar 5 filif, 3 interm dorso, duob later plano commissurali impos, secundar 4, omn alatis, alis integr; vall subjugis secundar uni vittat; carpoph lib 2 part.
Habit ♃ v ⊙, fol 2-3 pin secta, segm integr dentat incisive, umbella multirad, invol et involella polyph; fl albi v flavi.
Sp. L. asperum Crantz
— prusthenicum Lin
— glabrum Crantz?

VIII. Gg. Daucineae

Fr. a dorso lentic compr v sect transv subteres, meric jugis primariis 5 filif, later plano commissurali impos, secundar 4, magis prominulis, aculeat, acul lib in alam conatis.

Daucus Lin.

Cal marg 5 dent; pet obov, emarg, cum lac infl, exter saepe radiant, profunde 2 fid (2 part.); fr a dorso subcompr, ovat aut oblong; meric jugis primar 5, filif setulosis, 3 interm dorso, duob lateral, plano commissurali impos, secundar 4, aequ, magis promin, alat, in serrem simpl acul partiti, vallec sub jugis secundar 1 vitt, album antice planiusc.
Habit ⊙, fol bipinn-secta, involucra foliolata aut pinatifida, involellorum polyphyllorum foliola integr aut trifida; fl albi aut flavi, centralis saepe carnosus atropurpur, sterilis.
Sp. D Carota Lin. am Mann ünfer

2. Campylospermeae

Alb. invol v antice plus longitudinali esaratum.—

1. Gg. Caucal.

1. Grp. Caucalineae

Fr a lat contr v subteres, meric jugis primar 5 filif setosis, v acul, 3 intrmed dorso, duo6 later plano commissurali impositis, secundar 4 magis prominulis acul v acul vallec obtegent oblitteratis.

Torilis. Spreng.

Cal margo 5dent, dent acutis persist; pet obov emarg cum lacin infl exteriora radiant, bifida; fr a lat contr; meric jugis primar 5 setulosis, secundar aculeolis crebris obsitis et hinc oblitteratis; vittae in quavis vallec solit, alb invol v margine infl.

Hbae ⊙ v ♃; fol multifida adpresse setulosa, caulis retrorsum pilosus, umbellae oppositifol, sursum pilosae; involcr 1–5phyll, involelli foliola 5–8 lanceol ciliata; fl albo, disci masculi steriles, fr aculei, apice saepe uncinati.

Sp. T. anthriscus Gmel.

II. Grp. Scandicineae.

Fr a lat evident compr v contr, saepe rostrat; meric jugis filiform, intrd alat v basi oblitt, in rostro tantum conspic later margin, omn aequ, secundar o.

Anthriscus. Hoffm.

Cal margo obsol; pet obov, truncata v emargin cum lacin infl saepe brevissima, fr a lat compr, rostr, meric subteretia ejugata, rostro 5 jugata; alb tereti convexam, sulco profundo exaratum.

Hbae ♃, ⊙ v ⊙; caules striati sulcati, fol decompositae; umbellae oppositifol v termin, involcr o, involella polyph, fl alb

— Sp. A. sylvestris (Spelnw)

Chaerophyllum Lin.

Cal marg obsol, pet obov truncata v emargin cum lacin infl fr a lat compr, v contr, erostris, meric. jugis 5 obtusis aequ, lateral margin; vallec svitt; carpoph bifid; alb tereticonv, sulco profundo exarat.

Hbae ♃, ⊙ v ⊙, fol decompos, sgm dent aut multifida, invol o aut oligoph, involucella polyph, fl albo, rosei v flavi.

Sp. Ch. bulbosum Lin et Zolnufspn

— temulum Lin

— aromaticum Lin.

III Grp. Smirneae.

Fr turgidus, a lat saepe compr v contr; meric jugis 5 lateral, margin v ante marginem sitis, jugis intrd suboblitteratis, alb invol v. lat interiore sulcat, sect transv semilunare v complicatum.

Conium Lin

Cal marg obsol; pet obcordata, subemargin, cum lacin brevis inflexa, fructus a latere compr, ovatus; meric jugis 5 prominulis, undulato crenulatis, aequ latr, margin; vallec multistriatae, evitt; carpoph apice bifid, sem sulco profundo angusto incisum ideoque complicatum.
Flbae ⊙, venenatae; caulis teres ramosus; fol decompos, inter utrang 3-5 phyll, partiali dimidiata; fl alb, hermaph.
Sp. C. maculatum Lin.

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40. Adoxaceae

(nur ∞ dec. ♯ v Araliaceen [illegible] v Rhamnus, v Sambuc, [illegible] v Saxifrag.)
Cal tub ovar adn, limb 2-3 fid, rar 4-5 fid, pet, stam apice in coroll rotat connata; tub breviss ad faucem subaret, limb 5part, planus, stam 5 inter lacin limbi inserta, ad basin usque bipart, indeque stam quasi 10 antheris 1locul, incumbent; styli 5 subulati et apice stigmatibus obtusis bacca herbaceo-succosa, dent cal persist coronata; junior 5 loc, loc 1ovul, ovul pendulis, plurib dem abortientib.
Flba tenera, glbra, rar repens, caul erecti-simpl, superne 2phyll fol oppos, 3nati-secta, radic bipinnati-sect, sgm 3fid, lac inciso-lob. glomerul termin solit pauciflor, fl virentes.

Adoxa Lin.

Sp. A. Moschatellina Lin.

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41. Araliaceae

(v gnstl Hedera, sp nur [illegible] 6 [illegible] i, [illegible] v Aral.)
Cal tub ovar adn, limb integr v dent, pet 5, 10, v 15, denticul calycinis alterna aest valv, stam totquot pet, iisque alternatim dupla, sub disco epigyno inserta; ovar calyci adn, 2-15locular, locul 1-ovul, styli totquot loculi simpl, nunc distincti divergentes, nunc in unicum concreti stigmata simpl; fr baccatus, 2-15 locul, cal limbo integr v dent-coron, locul 1-sperm; sem pendula albaminosa; embr rectus axilis, radic ad hilum spectante.

Frutt v arbb. rar hbae, ♃; caulis irtid scand, fol sparsa, exstipul, petiolo basi dilat v incrass, compos aut simpl, fl umbell v capit, umbll saepe racemoso paniculatis

Hedera Lin (emend. Swartz)

Cal tub orar adn, margo eler, intgr v dent; pet 5 v 10, apice lib stam 5 v 10, pet altrna; styli 5 v 10, conniventes v unicum brevem concreti; bacca 5 v 10 local, dem exsucca coriacea; sem in local solit, alb rimosum; embr album vix brevior, cotyled oblongis.

Frutt scand, semper virentes, fol sparsa simpl intgr v lobata, petiolo basi dilat, fl umbell, pedicell basi bract virentes.

Sp. H. Helix Lin. Cfsp.

42. Corneae

(Non finiam t d Acalicaceen ab inol t Warft)

Cal tub orar adn, limb superus, 4 lob, pet 4 oblonga, basi lata summo tubo cal inserta; aestiv valv; stam 4 pet altrna, orar bilc, styl filiforme, stgm simplici, drupa baccata, cal vestigio coron, nucleo endospermio putamine 2loc, sem in loc pend solit, all carnos, embr axilis, radic supera cotyled brevior.

Arb v frutt, rar suffruticosae v subherbaceae; fol exceptis unica specie - opposita, penninervia, integrrima aut dentata, stips 0; fl capit umbell v corymbosi, albi vel flavi.

~~Sp.~~

Cornus Lin.

Fl hermaphr, cal limb 4 dent pet 4, stam 4, styl simpl, drupa putam 2loc.

Arbb. frutt rar hbae; fol integrima, fl terminia et axill cymosi v umbell capit et tunc invol 4 phyllo cincti, coroll albae v luteae rar purpurasc.

Sp. C. sanguinea f v Fuf Capl grt.
- suecica Kraut Hart, Flta, (Blumwel) zgt d invol. 4 phy.

43. Caprifoliaceae

Cal tub orar adn limbo 5fio v sabintgr, cor calyci inserta, gamopet v pet totquot sep iisque altrna basi plus minus conn;

limbo 5 fido, saepe irregul, aestimbric; stam 5 rar 4 nonnunq abortiv
imae coroll adn, lob coroll altrna; ovar cal adn, junius 3, 5 locul,
loc 1 v multiovul, styl ex sertus aut 0, stgmta 3 distincta v con-
nata, fr v bacca cal limbo coronata, plurilocul aut abortive
septis evanidis, unilocul, rar fr capsul; sem in loc solitv
plurima, inversa, album; embr in alb carnoso centralis, radic.
supera.

Frutt v suffrutt; fol oppos exstipul rar stipul minim, manifa,
simpl indiv integrrima v dentata; rar pinn-secta; fl term
in cymosi v axill geminis v conglomerati.

Viburnum Lin.

Cal tub ovar adn, limbo 5 dent, corrotata v subcampan,
5 loba, stam 5 fauci corollae insrta, stgm 3 sess (v 1 v 2 v 4 v 5)
bacca monosperma.

Frutt v arbores, fol oppos simpl integra v lobata exstipulata,
cymae termin solitar, saepe radiantes; fl albi, radii neutri.

Sp. V. Opulus Lin.

Lonicera Lin

Cal tub ovar adn, limb parvus 5 dent, cor infundibulif, limbo
5 fid irreg, basi gibba, stam 5, stgm capit, bacca 3 locul,
loc oligospermis, sem testa crustacea.

Frutt erecti v volubiles, fol oppos rar vertic integrrima,
stip 0, fl nunc termin capit et axill vertic, bracteis
destincti (Caprifolium v fin ynto) nunc per paria pedunc axill
bract binis suffulti, singuli plerumque basi bibractol.

Sp. L. xylosteum Lin fruticis
L. coerulea pelsnw, in v drugymr m Rannal. —

Linnaea Gronov.

Cal limb super 5 part lac subaequ cor turbin sub campi
5 loba, stam 4 tubo insrta, didyma; ovar infer, 3 loc; loc
1-ovul ovul pendulis styl simpl stgma glob. bacca exsuc-
ca aborta 1-sperma bract 2, cum fr auctis inclusa iis-
que basi adn.

Herba sempervirens repens, caulibus floriferis erectis, apice
nudis, bifloris; fol oval grosse dent; fl albi, roseo suffusi

Sp. Linnaea borealis Lin.

44. Stellatae

(Umbell. t. v. 2 umbellif.; v. quaternatim 2 fl. verticillatis; fruct. t. v. Apocyneen et t. v. Valerianeen sed antherarum v. Convol.)

Cal orar adn, tubo subglob, dem didymo limbo 4 lobo, (v. 3-6lob.) v obsoleto, in fr evanido; cor gamopet epigyna 4-3 adbfida; stam coroll inserta, lacin ejus num aequ et iis alterna; orar constans e carp 2 saepe didymis, bilocul, loc 1-ovul, ovul erectis; styl simpl saepe bifid, stigmata 2; fr. cremocarp sucament v drupac, 2 partibile, embr rectus in axi album correi; radic ad hilum versa.

Herbae O v ♃, rar suffr., fol oppos, stip foliiform a fol defecta gemmae axillaris distinctae utrinque unica, 2, v 3; infloresc defin, fl minut plrumq flavesc v albi, purpureo vero coerulei.

Asperula Lin.

Cal tub orar adn marg obsoleto; cor infundib v campanul, 3-4 rar 5 fid, limbo patente, styl. basi plrumq conn, stigmata capitata, fr subglob, didymus, pericarp. sicco tenui; meric subhemispherica.

Herbae aut vix suffr, parvi; fol oppos, linear, v oblonga; stip utrinq unica 2 v 3; ideoq vertic 4-8 phyll; in fol summis stip 0; fl termin aut axill fascicul.

Sp. A. tinctoria Lin.
— odorata Lin.

Galium Lin.

Cal tub orato-glob aut oblongus, orar adn limb vix allas; cor 4 part, raries 3 part, rotata, stam brevia, styli 2, breves; fr. subglob, 2 dymus, rar oblong, pericarp sicco, meric sub-hemisphaerica, habitus idem atque in Asperula.

Sp. G. Mollugo Lin.
— uliginosum Lin.
— palustre Lin.
— boreale Lin.
— verum Lin.
— aparine Lin.

45. Valerianeae.

Cal tub rear adn, limb varie dent v obsol v involutus, in fr in pappum expansus; cor gamopet, epigyna, limbo inaequaliter 3, 4 5, fid; tubo basi calcarato v gibbo rar aequ; stam tubo cor ins, 4 v pauciora, antherifib; orar distincte v obsol 1loc.

loc unico tantum, rarul, ceteris v obliteratis v vacuis v rariss uniovul, ovul abortivis, ovul pend, achaenium v fr nucament loc 2 sterilib, sem exalbum, embr rectus, radic hilum spectante. Flbae ⊙ v ♃ fol opposita exstipulata, fl cymosi albi v rubentes rarius coerulesc.

Valeriana Lin.

Cal tub ovar adn, limb per antesin invol deinde in fr expansus in pappum multisetum plumosum cor tubo obconico aut cylindr basi aequ aut gibbo ecalcar, limbo obtuse 5 fid, rarius 4 aut 3 fid; stam 3 ovar 3 loc, lovul 2 filiform, achaenium pappo-plumos coronatum.
Flbae ♃ aut suffr, radice aromatica; fol varia, saepe in eodem individuo diversa, fl cym, aut fascic, albi, coerulescentes, rosei aut flavi.
Sp. V. officinalis Lin
(– dubnicifolia v exaltata f wof zempl ffk)

46. Dipsaceae.

Fl aggreg, in capit invol polyph cinctum; recept paleae v setosum, involcll calycif maturitate fr arcte cingens, 4-6 sulcatum; cal tub ovar ex toto v superne tantum epigyna, limbo plus minus inaequaliter 4, 5 lobo, stam 4, subinaequ lib, anth lib; ovar simpl, 1 ovul, ovul pendulo, styl simpl; stgm simpl clavat, v brevis bilob; achaen involucello incl; alb ferne carnos, embr rectus, radic hilum spectante.
Flbae ⊙, ♃, rar frut, fol oppos raro verticill exstipul, integr v pinn-lob.

Knautia Coulter.

Invol capitali polyph, paleae ⊙, recept hirsutum, involcll compr, 4 foveol, fr arcte cingns, apice denticul, dent 2 maioribus, stipite brevi munitum, cal limb subcyathiform 8–16 dent, dentib e basi latiore subulato-setaceis, nec papposus neque aristatus, cor 4–5 fid, stam 4.
Flbae erectae ramosae, plerq ramosae.
Sp. K. arvensis (Scabiosa Lin, T
– campestris Besser, alla Bl v Zsf-fnd = mpzg, d'unß Bl 9 nnrin

Scabiosa Lin (emend)

Flo capit polyph, recept paleae involcll 8 foveol saep subcylindrico, cal limb basi in collum attenuatus, apice desinens in se

tas arist 5, v rar abortiv pauciores; cor 4-v 5 fid, stam 4.
Hbae Frut suff; fol varia, capit depressa; fl colores varii.
Sp. S. succisa Lin.

47. Synantheraceae.

– v ggr Entwicklungsreihe; v für diese Pflz Vernoniaceen, Nassauviaceen, Mutisiaceen; impr Aster p Eupator (in gr Gfl.), Asteroideen, Senecioideen. ♃ Cynareen, v Cichoraceen.
v Pflz v Calycineen ♃ v morphy in Wurz, Frucht p Kampan wurz. wäre pflzen 1 ♃ v Lobeliac wäre nur ♃ v milchsaft Saft v sie zu pflnd Gl (ins Saftgefäß), ♃-pflzen. Wd Dipsac wird v. v. ♃ rechte Form wegf.

Fl. d. Cyanth sind Zwitter. Fr. v Mitte d. ung. Zwg. umbl. umhüllt v Kelch, zu Pr. von Mark.

Fl in capit congesti, invol cacti, recept communi impos, v singuli invol inclusi et in capit collecti; cal tub ovar adn; limbus v elong (pappus) varie fiss v brev et integr v obsol; cor epigyna gamopet, neuramphipet, limbo v regul 5 rarius 4-fido intrs truncato, lacin acut valvatis v irregulari bilab, v ligulata; stam 5 tubo cor inserta lib altrna, fil med articulata; anth lin in tub coalitae introrsae, apice appendical, basi saepe 2-caudatae ovar sovulat, or. erecto, styl simpl (sgmta 2), forea nectarif styli basin cingns, achaen pappos v calvum, alb o embr rect, radic infer, ad hilum versa.
Hbae ⊙ v saep. ♃ ant frutt, introd arbores, fol sparsa v opposita semper simpl forma varia exstipulat, fl in capit ant omn aequ (capit homogama) hermaphrod aut hermaphr (masculis v feminis) feminis neutrisq mixti (capit heterogama), polygami v polygamo-subdioici, col vario.

I Fl hermaphrodit
  ⅰ. tubulosi regulares — — — Tubuliflorae
II Fl fe omnes hermaphr
  ⅱ. ligulati — — — Liguliflorae
v Tubuliflorae
  ~~A. Fl~~ ringelt in ~~xxxx~~ in 4 Gruppen
  I Stylus cylindr.
    a. Styli crura a basi puberula
      aa. Achaenium teretiusculum — Eupatorineae
      bb. — compress — Asterineae
    b. Styli crura apice penicill — Senecionideae
  II Stylus artical, v nodoso incrass — Cynareae
~~B. Fl ligulat~~ — ~~Cichoraceen~~ ~~Liguliflorae~~
v Liguliflorae unt nur 2 Gruppen: ~~Eupatorineae~~

a. Eupatorineae

Styl flor hermaphr cylindraceus, ramis longis subcbvellatis, extras superne puberulo papillosis, stigmatis serulae

~~Appendices~~ parum prominulae ante medios ramos stygli desinentes, achaenia teretiuscula.

5 Species apud nos, sic distinguntur:

1. Capit. himogama — — — — —	Eupatorium
2. Capit. heterogama	
Capit. monoclinicum — — — —	Tussilago
— dioica — — — —	Petasites

Eupatoriineae Lin.

Involucrum cylindr. receptac. nudum, fl. pauci, omnes hermaphrod., tubaloso infundib., styli crura elong., a basi puberula; achaen. teretiusc. 5 striat., papp. pilosus.

Herbae aut suffr., fol. saep. oppos. rar. sparsa v. verticill., capit. corymbosa, cor. nunquam flavae.

Sp. Eupatorium Cannabinum.

Petasites Gaertn.

Involucrum simpl. subcalycul., recept. nudum, capitula dioica heterogama; fl. femin. filiff. obliq. punctati v. sublegul., in capit. femin. multiserial., in hermaphr. unicir., pauci fl. hermaphr., steriles, tubulosi, 5 dent., in capit. femin. in centro paucissim.; in capit. masc. totum disc. occupantes, stigmata a basi puberulo-scabra, papp. pilosus achaenium teretiusc. laeve.

Herbae v. in humidis crescentes, fol. post fl. orta radical., reniff. aut cordata, scapus squamis membran. tectus; thyrsus polycephalus, fl. purpurei aut albidi.

Sp. Petasites vulgaris Desfont.

Tussilago Lin. (emend.)

Involucrum simpl. subcalycul., capit. sclinic., heterogam.; receptac. nudum, fl. femin. margin. pluriserial., ligulati integri disci hermaphr. tubulosi 5 dent.; stigmata alliearia a basi puberulo-scabra achaenium oblongo cylindraceum laeve glabr.; papp. pilos.

Herba v., fol. post fl. orta, cord., angul.; scapi squamis onusti, monocephali, fl. flavi.

Sp. T. farfara Lin.

Tripolium Lin.

Capit. radiat., ligul. femin. 1, rarius 2-serial., disco hermaphr., involucrum sub capitulo bracteiformes, suscim. imbric., aut subbiserriales, interiores longiores, laeves; receptac. alveolatum, alveolis

b. Asterineae Styl. fl. hermaphr. cylindr., par. linear. extus subplanis et superne aequaliter et minute puberulis, stigmatis series prominulae, usq. ad orificium sub is extr. circiter.

Fructus.

1. Lig. planorum	
1. unicir.	Tripolium
2. pluricir.	Erigeron
2. Lig. homochrom.	
Arth. eiusd.	Solidago
— basi disciac.	Inula

dentatis; styli fl hermaphr rami apice crassiores, subulati; achaenia oblonga, compr glaberrima, basi setulis cincta; pappus simplex pluriserialis, setis remote denticulatis.
Herbae ♃, subcarnosae in salsugi'osis crescc, glabrae; fol ad marg scabra; fol alterna integra; capit corymb; lig coeruleae et albae.
Sp. Tr. vulgare Nees.

Erigeron Lin.

Capit multifl, radiat; ligul femin pluriserialib linear, disco aequ aut longioribus flor disci tubul, regular; omnib hermaphr v ex interioribus femin, centr intrd abortiv mascalis, recept nudum, foveol punctat; achaen compr, erostre; pappus pilosus, scaber, 1-serial.
Herbae, rar suffrut; fol alterna, integra v dentata v lobata; capit subhemispherica, disco flavo, ligul albis, coeruleis purpurascent, rariss roseolencis.
Sp. E. canadensis Lin
— acris Lin

Solidago Lin.

Capit pluri- aut multifl radiat, lig 5-15, oblongis, femin 1-ser, saepius inter se distant; fl disci hermaphrod, 5dent, recept epal, nunc omnino nudum, nunc alveol v fimbrilif; involucr adpresse imbric, polyph, saepe oblong; achaen teretiusc, multicostat, papp 1-serial, pilosus, scabriusc.
Herbae v suffr; fol alterna, integra aut serrata; racemi scorpioidei, terminati v axill, lig et disc lateus
Sp. S. Virga aurea Lin.

Inula Lin.

Capit multifl heterogam, fl rad 1-ser, fem intrd aborta steril, saeps ligul, rar subtubul, 3-fid; fl disci hermaphr, tubulosi, 5dent; inv imbric 1-ser, recept planum aut subconvex, nudum, anth basi bisetac; achaen erostre, teretiusc aut 4-gon; papp 1-ser, setis capill subscabris.
Herbae ♃, ⊙, ⊙; fol sparsa, saepe amplexic; integra aut serr; capit pedunc solit v corymb, flava.
Sp. I. Helenium Lin
— salicina Lin
— brittannica Lin

C. Senecionea

Styl fl hermaphr cylindrac, ram linear apice penicill v trunc, v in conum brevem v in appendiculum elong et hispidulum product; stymatis series latiusc, prominul, usq ad penicill extensae.
Conspectus:
I. Papp 2-3 aristatus " " " Bidens
II. — 0 aut coroniformis
A. capit radiata
1. recept paleaceum

a. Achaen marg membran coronata " " Anthemis
b. — " calva " " Achillea
2. recept epaleaceum
a. Achaen disci calva
α. recept planum
αα. subplanum " " Leucanthemum
ββ. conicum " " Matricaria
b. Achaen pappo coroniformi " Pyrethrum
B. Capit discoidea
1. Achaen calva " " Artemisia
2. — " pappo coroniformi " " Tanacetum
III. Pappi pilosus
A. Anth scandatae
1. recept epaleaceum
a. capit heterog
α. fl rad pauci, 1-serial " Helichrysum
β. — ∞, pluriser " " Gnaphalium
b. Capit dioica " Filago
2. recept marg paleae
B. Anth ecandatae
1. Stam radem in fl radii " Ligularia
2. — — ♂ ♀ capit discoid " Senecio

Bidens Lin.

Cap. multifl, nunc heterog discoid, unac in iisdem speciib, saep radiat, fl rad ligul, neutris, invo squamac 2-ser, recept planiusc, paleac, styli rami cono brevi superati; achaen obcompr acubat rostro superat, ab achaen vix diverso, desinens in aristas 2–5, rigidas, retrorsum piloso-scabras.

Herbae plerq ○; caul 4-goni v teretes; fol oppos; summa interd alterna, indiv, partita aut secta, lob incisis v serratis, cap saepius flava.

Sp. B. tripartita Lin
— cernua —

Anthemis Lin

Cap multifl heterog; flor rad 1-serial ligul; femin disci tubul 5dent hermaphr; recept conv oblong aut conicum, paleis membran inter fl onust; invol pauciser, imbric; styli rami apice appendic; achaen teretiusc, sem obtusissime 4-gon, striat aut laeve; papp ○ aut membr breviss, integra aut dimidiata aut auric ad latus interius.

Herbae raro suffr; fol pinn-part, lob varie incis, rami monocephali; capit ebract; rad alb v luteus, variss subtull.

Sp. A. arvensis Lin
— tinctoria —

Achillea Lin

Cap. multifl heterog; fl rad fem ligul 4–20, rar ○ v abbreviati; fl disci hermaphr, 5dent, tubul; invol campanul v ovato-oblong; squam imbric, marg scarios, intrd fuscis. recept planum v convex v elong, paleae; achaen obcompr, exterior latrd marg subulata v nervosa, calva; papp ○.

Herbae ♃; fol alterna, varie pinn v secta v lobata, rar integra; capit corymb; ligul albae, purpurasc, flavae v ochroleucae.

Sp. A. speciosa Henkel —
— ~~millefolium~~ Lin
(Dec ♂ aut hermaph v Achillea ♀ gst Ptarmica, dej opus finlogl ○ rad)

Leucanthemum Tournef.

Capital multifl, heterogamum, fl radii ligul uniseriate, femi
rei aut raries neutri disci hermaphr 5 dent tubo carnoso plano,
compr subbialato, involer; invol imbric, late campanul, squa
mis margine subscariosis, receptac nudum, subplanum, styli
disci ramis exappendiculatis; achaenia exalata teretiusc, stri
ata conformia, disco epigyno magno termin calva v in radio
pappo auriculaeformi donata.

Herbae perennes fol dentata aut pinn-lob capitula termin
solit, disc flavus ligulae albae v rubentes.

Sp. Leuc. vulgare Lamrck (Chrysanthemum Leuc Lin.)

Matricaria Lin.

Capit multiflorum heterogamum, ligul uniserial femin,
fl disci tubulosi, hermaphr 4-5 dent, tubo teretiusculo, involer imbric
pauciseriale, squamis subaequ, recept ampl nudum, conicum,
styli disci ramis exappendicul; achaen exalata angul conform,
disco epigyno margine sapocata, calva v rar. pappo coroniformi
superata.

Herbae ⊙, glbrae, fol multipart, lob lineari-setac, semi monoce
phali subcorymb, disc luteus, lig albae, raries ⊙ (ch. disciform.)

Sp. M. Chamomilla Lin
— indora DeC (Pyrethrum Smith)

Pyrethrum (Gaertn) Willd.

Capit multifl, heterogam; lig femin 1 serial, rar ⊙; fl di
sci tubulosi, hermaphr, 5 dent, tubo compr 2alato v sub
tereti, involer imbric campan, squam marg scariosis;
recept planiusc nudum aut rar bracteol; styli disci ra
mi exappend; achaen exalata, angulata, conform, pappo
coroniformi saep dent intid auriculaeformi.

Herbae ♃, ⊙ aut suffruticosae; fol alterna, dent, aut va
rie lob, capit terminal corymb v solit, disc flavus, lig albae rar
flavae, intid roseae

Sp. P. maritimum Smith. ♃ v Matric. inod.

Capit discoideae:

Artemisia Lin.

Capit. discoid, homo- aut heterogam; fl radii uniserialib,
saepe femin, 3 dent, stylo longe bifido exserto, flor disci per
maphr 5 dent, aborta intid masc, involer imbric squamis marg
ine squarrosis, recept epalleaceum, nudum aut hirsuto
fimbriliferum, achaen obov, calva, disco epigyno minuto

Hbae aut suffr; fol sparsa, varie pinn-lob, capit, spicata aut racemosa, racem spicisq in paniculas congestis, cor lutea aut purpureae.

Sp. A. Absynthium Lin.
— campestris —
— vulgaris Lin
— maritima Lin —

Tanacetum Lin.

Capit homog v heterog, fl nempe radii femin, 1 serial, seribus 3-12 dent, receptac nudum, convexum, invol campan, imbricatum, cor disci ♯-5 dent, achaen angul, glbrum, disco epigyno magno pappus coronaeformis membran, minutus, integr v aequaliter dent.

Hbae aut suffrut, fol altrna (v sparsa), varie secta, capit corymb rar solit, subglob lutea

Sp. T. boreale Fisch (-spse v T vulgare.)

Helychrysum Gaertn (DC s Cassini)

Capit multifl nunc homog, fl omnib tubul hermaphrod, 5 dent, nunc heterogamis, fl radii uniseriatis, paucissimis, femin gracilib, invol imbric squamis scariosis interioribus conniventib aut radiant, receptac planum epaleaceum nudum aut foliatum aut fimbriliferum, achaen erostria sessil, areola termin; papp uniser, pilosus, setis lib v basi cohaer, v ramosis.

Hbae aut suffr, fol sparsa, invol colorata, cor lutea aut purpureae.

Sp. H. arenarium DC (Gnaphalium arenarium Lin)

Gnaphalium Lin (emend)

Capit multifl, heterogam, fl omnib tubulosis, radii pluriserial, femin tenuissim, disci hermaphrod; invol ovatum, disco saep aequ squam imbric adpressis, subhyalinis, receptac planum, omnino nudum; achaen teretia aut teretiusc papillosa; pappus 1-serial, pilosus.

Hbae ♃ ⊙ lanatae aut tomentosae, fol sessil aut decurrentia, capit glomerata fascical, corymb v spicata involcri squamae albid v rufae.

Sp. G. rectum Lin
— norvegicum Lin —
— uliginosum Lin

Antennaria Rob. Br.

Capit dioica, recept convexum, alveol, invol planae, imbric, apice color, scariosa, cor tubul, femin filif, 5 dent

styl fe femin apice 2fid, fl mascul simpl aut vix bilob, abortiens, auth semiexsertae, basi bisetae, achaen teretiusc, pappi 1-serial, in fl femin setis filif, in masculis apice clavatis.

Hbae ⊙, intro suffraticosae, fol subtus tomentosa, sparsa integrima capit corymb, involcra alba, rosea v rufa, nunquam flavae, cor flavae.

Sp. Antennaria dioica (Gnaphal. dioic Lin)

Filago Tournef.

Cap multifl, heterog, recept elong, filif, vix apice dilatata, inv squam imbric nec a paleis recept distinctis, exteriorib, dorso lanatis, cater sqarios, fl inter squam paleasve axillares, solit, femin filif, vix apice dent; fl femin seu centrales, plurimi, cater femin filif, inter hermaphr, intrid substeriles, tabulosi, 4-5 dent, achaen teretia subpappillosa, papp fl centr setis filif const, fl margin o aut dissimilis.

Hbae ⊙, tomentosae, fol sparsa, integra, capit in axill aut apicibus ramorum aggregata, subpentagono pyramidata.

Sp. F. arvensis (Gnaph. arvense Lin)

Ligularia Cassini.

Cap multifl, radiat, fl radii uniserial, ligul, femin; stam rudim munit, fl disci tubulosi 5dent, hermaphr, involc campanul, subuniser, basi bibract, recept nudum, planum, styl disci ramis obtusis pube longe descendente utringue tectis, cono breviss superatis, achaen crostr, sulc, teretiusc, excalata, glbra, pappus pluriserialis pilosus conformis

Hbae ♃ fol sparsa plrimq cordata capitala ampla flava, in racemum v thyrsum disposita aut solit longe pedunculata

Sp. Ligul. sibirica Cass. (Cineraria sibirica Lin)

Senecio Lin (emend)

Capit homogamum discoideum aut saep heterog, floribus rad ligul femin, invol uniser nunc nudum, nunc bracteolis accessoriis calycatum squamis saepius apice spha cellatis, margine subcariosis receptac epaleaceum nudum v alveol; styl floris hermaphr rari truncati, apice tantum penicillati, achaen crostre, longiusc, excalatum, teretiusc aut sulcato-angulatum, pappus pilosus, pluriserial, caducus, setis tenuissim subaequ vix scabris.

Hbae aut suffrut polymorphi, fol sparsa, capit solit vco-

rymbosa, fl disci plrmque lutei rar purpurei, ligulae lutae rar purpureae v albae
Sp. S. vulgaris Lin
– Jacobaea –
– palustris Lin
– palustris Del. (Cineraria Lin)
– viscosus

V. Cynareae, or Cynarocephalae.

I. Pappus uniserialis — — — — — Carlina
II. —— pluriserialis
1. Capit heterogama — — — Centaurea
2. Capit. homogama
a. Pappus deciduus
aa. Setis basi in annulum connatis
α pilosus
αα. Achaenia 4costata (recept alveolatum) – Onopordum.
ββ. —— ecostata; (— — setosum) – Carduus
β. plumosus — — — — Cirsium
bb. Setis basi distinctis, achaenio brevior. – Lappa
b. Pappus persistens — — — Serratula

Carlina Lin

Capit homogamum, multi- et aqu- flor, involer squamae exter foliac, dent spinos, patentes, intim scariosae, color, radiant, recept planum, alveolato-fimbrilifer; cor glabr, 5 fid, anth apice longe append, basi plumoso-bicaud filam glbra, achaen oblongo-cylindricum, pilis seric asper vestitum, pappus 1-serial, plumosus setis basi ternatim v 4natim concr.
Flbae spinosae caulesc v acaules, fl magni
Sp. C. vulgaris Lin
(C. acaulis Lin i in Lindland gfdn)

Centaurea Lin

Capit heterog, cor rad ampl steriles rar aut disc non superantes aut hermaphr, invol squamae coriaceae, squamoso append v spinosae, achaen compr hilo laterali antico, pappus, coronae setis filif scabris multiseriat, serie intima minore subconivente, rar aequ aut longiore.
Flbae ⊙ v ♃, polymorphae, fol integr v pinn lobata, capit in ramis et caule solit, fl varii.
Sp. C. Jacea Lin
– nigrescens Willd
– Cyanus Lin
– Scabiosa Lin
(C. nigra i zmnifleftt, nill of C. Phrygia)

In Gyllenb fol 4: Saussurea alpina, die nill of C. imo. Plent.

Onopordon Lin.

Capit homog aequaliff, invol orato-glob, squamis imbric coriaceis apice spinescentib recept carnosum profunde alveol, alv. membran, sinuato-dent, cor 5fid, inaequ, ad basin limbi incrassatae, filam glabriusc, anth appendia lineari-subul, caudis brevibus, stgmta fere ad apicem concreta, achaen obov compr, 4gonum, transverse rugosum, papp barb subplumosus, basi in annul concr, pluriser.

Hbae ramosae v acaules, fol decurrentia, spinoso-dent, fid lobata, capit mgna, cor purpur, rar albae

Sp. O. Acanthium

Carduus Lin.

Capit aequaliff, involcr squam imbric, margine haud scariosae, apice spinosae aut acuminatae, recept fimbriliferum, cor tubo brevi, fauce oblonga, limbo 5fido, staminum filam lib pilosa, anth append lineari-subul; caudae 0; stgm concr, achaen oblong, compr glbr, areola termin subcarnosa, basilari vix suboblique; papp multiserial pilosus, basi in annul concr decid.

Hbae erect, caule ramisque monocephalis, fol decurr, pinnatlob aut indiv, ciliato spinosa, capit subglob aut oblonga, cor purpur, rar albae.

Sp. C. crispus Lin.

Cirsium. Tournef.

Capit homogam, aequaliff, fl hermaphr aut rar dioicis, invol squamae ~~coriaceae~~ imbricatae, apice plus minus spinosae, recept fimbriliferum, corollae tubo brevi fauce oblonga, limbo 5fido, filam lib pilosiusc, anth appendices lineari-subul, caudae 0, stgmta concr & achaen oblong compr, glabram ecostat, areola termin subcarnosa, pappus multiserialis basi in annulum decid concr, plumosus, apice subdentical, v subclavellatus.

Hbae ut Cardui fol decurr aut sep sess, fl purpur vel ochroleucis.

Sp. C. lanceolatum Scop.
— palustre Scop
— heterophyllum Allione
— oleraceum Scop
— acaule Allione

Lappa Tournef.

Capit homog aequaliff, involcri globosi squamae coriac

superne subulatae apice uncinato inflexae; recept subcarnosum planum, fimbrilis rigid subul; cor 5fid regal, tubo 10-nervio, stam filam, papillosa anth appendices filiformes, caude subul, stigmata apice, lib diver-gentia arcuata (fr.) achaen oblong compr glbr, transverse rugosum areola basilari vix obliqua, pappus brevis pluriserial pilis lib, seorsim decid.

Hbae ramosae, ♃, fol cordata subtus plerque tomentosa, capit term corymb v solit coroll purpur, rar albae invol aequ.e

Sp. Lappa tomentosa Lam } (tertium Lin)
— major Gaertn
— minor Decandolle

Serratula Lin (emend)

Capit multifl, homogam, rar abortu unisexuale, v rarofemin involucrat, squam imbric, inter longiorib, apice scarioso membran, recept fimbrilif, coroll 5fid subregulares, fil papillosae, anth append obtusae, stigmata 2 divergentia, achaen oblongum, compr, glbr, laeve, areola basilari, suboblonga, pappus pilis multiserialib, scabrilis, ~~subrufesc~~, albaeq, exter brevioribus seorsim deciduis

Hbae inermes aut subinermes, nonnunquam polycephalae, nunquam tomentosae, cor purpur rar albae.

Sp. Serratula tinctoria (I coronata i zwyczajna)

l. Cichoraceae

A. Achaen calva - - - - - - - Lapsana
B. A. papposa
I. Pappus monopalaceus - - - - Cichorium
II. P. plumosus
1. Recept paleaceum
a. Achaen omn longerostr - - Achyrophorus
b. — — margin. rostro destitata - Hypochaeris
2. Recept epalaceum
a. Pappus biserialis
α radii inter plumosi, exter pilosi
~~β exteriores pilosi~~
αα Papp. persist, achain rostr - Leontodon
ββ — decid, — constrict - Picris
β radii omnes plumosi
aa. involcr uniseriale - - - Tragopogon

β. involcr imbric — Scorzonera
b. Pappus uniser — Oporinia
III. Pappus pilosus
1. Achaen subito rostr
a. Achaen compr — Lactuca
b. — costato-angul. — Taraxacum
2. Achaen arcte attenuata — Crepis
3. Achaen teres, omnino erostria
a. Achaen compr, pappus albus — Sonchus
b. — teretia, costata, p. sordidus — Hieracium

Lapsana v Lempsana Lin.

Capit 8-12fl, invol cylindr-campanul, angul, squamis 8 erect seriat, squamulis 2 v 3 minutiss basi stipatis, recept angust nudum, achaen oblonga, glbra, striata calva caduca, intra invol squamas haud invol. Flbae tenerae glbriusc, ramosae, capit laxe corymb cor. flavae.

Sp. L. communis Lin.

Cichorium Lin

Capit multifl, invol duplex, exter breve, subpentaphyll, inter long octa-deca-phyll, recept planiusc, paleac, intro parce-alveol-fimbrilif, achaen obov, subcompr striat, glbr, pappi squamellae brevis, obtusiusc, numerosae, 1-2 seriatae.

Flbae erectae ramosae, intro spinescentes, capit aut axill sessil aut termin, cor coeruleae

Sp. C. Intybus

Achyrophorus Scop.

Capit multifl, invol ovato-oblong aut subcampan, squamis imbric, recept paleac, achaen glbra, muriculata, omn rostr, papp 1-ser plumosus.

Flbae ♃, capit hemisph aut campanul, rar ovata, fl lutei

Sp. Achyrophorus maculatus (Hypochoeris Lin)

Hypochoeris Lin (emend)

Cap. multifl, involcr ov-oblong, squam imbric, recept paleae, achaen glbra, muricul, margin erostr, interrostrata, papp 2 ser, set exter subfilif, exter longior plumosis.

Herbae ⊙ aut ♃ glbrae aut pilosae, acaules v caulesc, fol integra dent aut pinn-lob, fl lutei
Sp. H. radicata Lin.

Leontodon Tuss.

Capit multifl, invol subimbr, squam extr brevior, 1-3 seriatis, recept nudum punctatum aut in centro fimbrilif, achaen teretia striata, transverse rugulosa-imbricata conform, in rostr brevem sensim attenuata, pappus biserialis setis extr brevior piliform inter plumosis basi scarioso dilatatis
Herbae acaul, fol rosulata, dent-pinnatifid, scapi monocephali, fl lutei
Sp. L. hispidum Lin. (Apargia)

Oporinia v Oporina Dum

Capit multifl, invol uniser, squam access ad basin pluris, recept nudum, achaen oblonga teretiusc, utrinq sabattenuata transv rugulosa, pappus 1 serial sordid, setis plumos, basi scarioso dilat, serrulatis.
Herbae ♃, acaules, fol radical dent v pinn-lob, scapi seto-ramosi, ramis monocepb, fl lutei
Sp. O. autumnalis Dum (Apargia)
O. pratensis Lessing (—), —

Tragopogon Tournef

Capit multifl, invol 1-ser, 8-16 phyll squam ima basi subconc, dem reflexis, recept epaleac, foveolatum, achaen sess areola laterali muriculata, longe rostr, rostro contin levi; papp pluriser, conform, plumos, setis 5 longioribus apice nudis.
Herbae ⊙ v ♃ valde lactescent caules erecti, foliosi fol lanceol v linear integrima paralleli-nervata flocco sa ad axillas et subinvolucris, cor lutea purp v discolores.
Sp. T. pratense Lin

Scorzonera Lin (emend à Cass.)

Capit multifl, invol imbric, recept nudum, achaen sessil plrmq erostr glbra, areola later, papp pluriser, conf, plumosus, setis 5 interior, longioribus apice nudis
Herbae ♃, rad saepe tuberosa fol integrim, rar dent, caules simpl, monocepb aut ramosi, ramis monocepb, fl flavi v purpurei v discolores.
Sp. S. humilis Lin.

f. dat = syn Tragopogon

Picris Lin

Capit multifl, invol subimbr 2 ser, squam exter brevib, saepe patulis, recept nudum achaen teretiusc utrinq subattenuata, transverse rugulosa rostria v brevis rostr, papp 2-serial, serie inter plumosa, exter breviore pilosa, deciduus.

Herbae ramosae pilis glochidatis asperae, fol dentata capit pedunc, fl lutei

Sp. P. hieracioides.

Lactuca Lin (emend DeC.)

Capit pluri- v paucifl, invol cylindr, calyc-imbric, 2,4-seriale, seriebus exter brevib, recept nudum, achaenia plani-obcompressa, excalata abrupte in rostrum filiforme producta pappus pilosus, fugax.

Herbae glabrae, capit parva, panicul; fl lutei, coerulei purpurei v versicolores.

Sp. L. muralis Fresen (v DeC.) Prenanthes Mycelis Lam.

Taraxacum Haller.

Capit multifl invol dupl, squam exter minoribus adpressis v patulis v reflex, inter uniserial, erectis, recept nudum, achaen oblonga striata marginata antapice spinellosa, longe rostr, papp pilos, multiser, albus.

Herbae acaules, ♃, fol omn radic saepiss, rancinata, scapi monoceph, fistulosi, floccosi, capit flava v alba, ligul extras saepe purpurascent

Sp. T. dens Leonis (Lam.?) (Leont. Tarax)
— — palustre DeC. (Fries Bonn dubj mihi? Sim Bonn-pf)

Crepis Lin (emend Moench.)

Capit multifl invol dupl, exter breve, calyculiforme inter uniser, recept epaleae, achaen teretiusc, excalata, sensim in rostrum breve atten, papp pilos mollis, albus, multiser.

Herbae ⊙ v ⊙, rar ♃, erectae, ramosae, fol saepe pinnifida, fl flavi.

Sp. C. tectorum Lin
— bienn Lin
— praemorsa Trachel (Hieracium Lin)
— palludosa Moench (— ")

Sonchus Lin (cass)

capit multifl, invol imbr, recept nudum, achaen cont exalata, ~~compr~~ erostr, longitudinaliter costulata, costalis, ~~pag~~ pe transverse tuberul=muricat, pappi mollis albissimus multiser, setis tenuiss.

Herbae aut frutt, fol varia plrmq pinn-lob, fl fla vi.

Sp. Sonchus oleraceus Lin.
——, asper Villars.
——, arvensis Lin.
——, palustris Lin.

Hieracium Lin.

Involucrat cylindr, squam linearib obtus aut acuminatis 2-pluriser, imbric, recept nudum, saepe scrobiculat, achaen angulata, substriata, erostria, pappus persistens uniserial, simpl, sordide-albus, setis rigidis scabris, basi liberis.

Trochocin pl für Fgtt zrubrrobtfl gemeft d ab st v, ghrtf pf, ungd d Wlr. Urbangtbyr. — d Rotzm pf pfmrr ? = pfdn)

Sp. H. pilosella Lin
— brachiatum Bertholoni
— Auricula Lin
— Bauhini Besser
— radiocaule Fausch
— collinum ~~Gochnat~~ Gochnati
H. praealtum ?
— fallax Willdenow
— echioides Lumnicer
— cymigerum Beirhab
— cymosum Villars
H. vulgatum Fries
— murorum Linn
— umbellatum Linn

} Pilosellae + Boloman
} Pilosellae opun Boloman
} + babl Nugl

(Ambrosiaceae)

Xanthium Lin

Fl monoeci, mas: inv polyph 1-serial, fl tubulosi, paleis interstincti in recept conico, stam 5, fl femin: invol gamophyllum biloculare biflorum denique induratum, hamatospinosum, cal orar adn, cor filif, stgl simpl, stigmata duo elong, achaen inclusa in local involucri coliteria.

Herbae v frutt, ⊙, ramos intro spin. fol incisae, sparsa, capit spicat glomerata, spic femin et axill, superne masc, inf femin.

Sp. X. strumarium Lin.

48 Campanulaceae

Ut Dracaenaceae et Lobeliaceae flos et imb [illegible].
Ut Campan per ut et per Syngenesia [illegible], fructus ut in Cucurbit [illegible] et per et [illegible] aut [illegible].

Cal plrmq 5lob (3-10) tubo ovar adn, cor gamopet, regularis (raris irreg.), aestiv valvata, marcescens, stam 5, rarius 3-10, filam epigyna, lib lobis cor alterna, basi membran-dilat, anth plrmq lib, irreg, longitud dehisc, praecoces; ovar cal adn, 2-3-5-10 locul, multiova, styl simpl, pilis collectoribus tectus, stigm nudum, saep 2, 3-10 fid; caps vertice aut lateraliter valvatim, porib dehisc, sem ∞, embr recto, in album carnoso.

Herbae lactescentes, rar suffrutt, fol exstipulatae, sparsa rar, oppos v verticill, inflor. defin, corol coeruleis v albis rar flavescentib.

Conp. generum:

1. Anth basi connatae — — Jasione
2. — liberae
   a. cor profunda 5 part lacin linear — Phyteuma
   b. cor campanul 5loba, lob abbrev. — Campanula

Jasione Lin.

Cal adn 5 part, cor 5 part, lacin linear, primum coalitis, deinq a basi ad apicem solutis, recurvatis, stam 5, fil subulatis, anth basi cohaer, stigm emarg bilobum, caps 2locul, apice foram dehisc, polysperma.

Herbae O v ⊼, fol sparsa, fl capit involucrati, coerulei.

Sp. J. montana Lin.

Phyteuma Lin.

Cal limbo 5 part, cor 5 part, sub 5 petala, lacin coal deinq a basi ad apice solutis; stam 5 fil basi dilatatis, anth lib stigm 2-3 fid, caps 2-3 locul, foram 2-3, lateral, dehisc, polysperma.

Herbae caulescen v subacaules, fol sparsa, fl capitati v spicati rar umbell, coerulei violacei v albi.

Sp. Ph. spicatum Lin.

Campanula Lin.

Cal adn 5 part, sinubus saepe appendice auctus; cor campanul, limbo 5lobo, fundo clausa fil basi dilatata, subhemisph conniv; anth lib, ovar turbin, disco epigyno; styl 3-5 fid, lacin linear revolutis, caps 2, 3-local, lateral foram 2-3 Dehiss.

Herbae ♃, rar ⊙ v ♂, fol sparsa, saepe heteromorpha, fl v solit v fascic v spicati, racemosi v paniculati, coerulei v albi.

Sp. - C. glomerata Lin
— cervicaria —
— rapunculoides —
— latifolia —
— rotundifolia —
— persicifolia —
— patula —

49. Vaccinieae

Cal tub ovar adhaer limb 4, 5, v rar 6 part decid v pers, cor epigyna, gamopetala 4, 5, 6 loba decid, aest. imbric, stam lacin coroll duplo, epigyna, lib v monadelpha, anth erectae bilocul, loc apice discretis, in tubul apice perforatam productis (Bicornes Lin) ovar adn, disco epigyn coron 4, 5-10 loc, placentae central, multiovul, styl simpl, bacca plurilocularis, loc pluri-v-rar monosperm; embr in axi album carnosi rectus; frutt v suffrutt, fol sparsa simpl integra coriacea semper
stipul, fl axill et termin, solit, gemini, terni, v racemosi, bracteati.

Vaccinium Lin.

Cal tub ovar adn limb 4 v dent rar integer, cor urceol v campanul v globosa v rotata (Oxycoccus) limbo 4, 5, fid lacin reflexis, stam 8-10, ante disc epigyn insertam, anth bicornes, apice biporosae, dorso 2-aristatae v muticae bacca globosa, 4, 4, 5 local, loc polyspermis, semina minuta ~~fruct~~
Frutt v suffr, fol sparsa simpl integra, coriacea et semperviventia.

V. Myrtillus Heidelberry / Whortleberry
– vitis Idaea
– uliginosum
– oxycoccos Lin Cranberry (Oxyc. palustris)

50. Ericineae

Cal 4 v 5 part, persist, tubo ab ovar lib, cor perigyna, aut subhypogyna gamopetala aut rar 4 v 5 petala, aestiv imbric, stam numero petalorum aequ v dupla, a cor lib (v sublib) anth 2loc, corneae, local basi aut apice discretis saepe appendical, biporosae; ovar lib, basi disco hypogyno cinctum, styl simpl, caps plurilocul, varie dehisc, polysperma, rar. fr baccatus. Sem ∞ in plac. cent, parva tecta, nucleo arte adhaerente; embr teres, rect in axi alb carn. Frutt v arb, plrmq semperviren, fol sparsa, oppos v verticill, simplic, integrrima, exstipul, inflorescc variae, pedicellis 2-multibract.

1. Cor. gamopetala
   Fr. baccatus — — — — Arctostaphylos
   – capsula
      Cor. 5 fida — — — Andromeda
      – 4 fida — — Calluna
2. Cor. 5 petala — — — Ledum

Arctostaphylos Adanson.

Cal 5 part, persist, cor glob v campan, limbo 5 fid reflexo, decid; Stam 10 hypog, anth biporosae, dorso 2 aristatae; nucula hium subglobos, 5 pyraenum, pyraenis 1 sperm.
Frutt v suffr, fol sparsa, coriacea; racemi termin; fl pedicellati, bracteati.
Sp. A. officinalis (Grafocsky), (A. Uva ursi. Arbutus uva ursi Lin)

Andromeda Lin

Cal 5 part, persist; cor ovata, campanul v glob, limb 5 fid, reflexo, decidua, stam 10, hypog; anth biporosae, plerumq muticae, caps 5loc, 5valv, polysperm.
Frutt, fol sparsa, saepe imbric, coriac; fl solit, racemosi v paniculati, bract.
Sp. A. polifolia Lin
– calyculata — (Cassandra. Lyonia.)

Calluna. Salisbury.

Cal sep 4, cor superant, cor campan, profunde 4-fid; Stam 8 hypogyna; anth 2porosae, dorso 2crist, ovar 4-local, plariovul, styl simpl, stigm subquadrilob, caps 4-loc, 4-valvis

dissep a valv disjunct, columnae centr adn, suturis oppos, valv alternis.
Fruticulus ramosissim, semperviren; fol oppos, sess, subacerosa, margine ciliolata, juniora quadriparia imbric, fl racemosi, secundi rosei v albi.
Sp. Calluna vulgaris Sunbrunt.

Ledum Lin.

Cal minut, 5 dent, pet 5 decid, stam 10, hypog, anth apice 2 porosae muticae, ovar 5-loc, multiovul, styl simpl, stigma integr, caps 5 loc, a basi ad apic septicido 5 valv, dissep e marg valvul introflex, Proptospermia 5 ex apice columnae centr. dependentes, sem ∞ minutissima.
Frutt, fol sparsa, coriac, marg revol, subt ferrugin; fl in umbellato corymbosi, albi; pedicell basi bract.
Sp. Ledum palustre Lin.

51. Pyrolaceae

Disc hypog 0, sem tubul-arill, arillo nucl. multum superante.
Herbae v suffr. plrmq acaules, rariss aphyllae, fol orbicul v oblongis, scapis squamosis, flor plrmq racem, rar solit v subumbellatis.

Pyrola Lin.

Cal 5 part, pet 5 rar basi cohaer, stam 10, hypog; anth dorso suspens, 2 poros, muticae, aestiv reversae; caps 5 locul, rimis 5 dehisc, valvul basi apicequ column. adn, med septifr.
Herbae basi lignesc, v suffr, caulib repent, fol petiol sparsa v subverticill, rariss 0, fl term racem umbell v solit, albi v purpurascentes.
Sp. P. rotundifolia Lin — P. secunda Lin
— chlorantha Schwartz — uniflora Lin
— media
— minor Lin (♃ flor)

52. Monotropeae

Cal 5-sep, pers; cor 5 pet, hypog, aestiv imbric, persist, stam hypog, lib, num petal duplo 5 alterna e sinu glandul hypogynarum basin ovar cingentem orta; anth transv dehisc, spurie 1-loc; ovar 5 loc, lib; caps 5-valv, valvul med dissep incompl basi columnae pentagon adn gerentib; styl simpl; stigm infundibulif; sem copiosa, arillo tubuloso, reticulato incl, subglob, arillo multo minora, fl later tetragoni.
Herbae parasitae rhizobiae, aphyllae, squamatae, carnosae, coloratae, flor racemos, decolor, pallid.

Monotropa Lin.

Cal 5 sep sep planis, cor 5 pet, pet basi gibb, subcalcar, intus mellifera
Sp. M. hypopitys (Hypopitys multiflora) (Hypopitys simpl flor)

53. Asclepiadeae.

Cal ~~lib~~, 5 part, persist, cor gamopet, hypog, regular, 5 fid, 5 part, aestiv contorta, v valvata, decid saepe corona ta; stam 5, basi coroll inserta, filam dilat, saepe connata, pollen in massas 10–20 coalesc, corpusc glandulos affixas, ad angulos gynostegii pentagoni, dilat, ~~ovar tegentis, sitis~~; ~~ovar 2, styli 2 brev stigmatib~~ conn sub gynosteg, follic 2 rar conn v altero abortivo solit, plac sutrae appic, dem lib. sem imbric, pendula, saepe conn. alb tenue, embr rect, rad ad hil versa. Frutt v bac 2, laetesc; fol oppos rar vertic, rariss sparsa, integrima, indiv, exstip; fl. fascicul v subumbellat.

Cynanchum Prob. Br. (Asclepias Lin)

Cal 5 part, cor subrotata 5 part, corona tubo filam inserta, 5–20 divisa, lacin in quinque divisa anth oppositis; anth membrana tam, massae pollinis binae pendulae, stigm apiculatum, rar nudum, follicuti 2 laeves, sem comosa.

Flbac ♃ v suffr, erecti v volubiles, fol oppos, pedunc axill, multiflori; fl umbell, cymosi v racemosi

Sp. C. Vincetoxicum.

54. Gentianeae

Affinit ~~Rub~~ cum v Apocyneis, omnino cum v Bignoniaceis.
~~to~~ Rubiaceis.

Cal ~~lib~~ 5 fid sive 4–6 fid, persist; cor gamopetala, hypog, 6 v 4–6, fida regul, aestiv contorta v in Menyanthei indaplicata, marcescens; stam tot quot lacin coroll, iis altera, cor inserta, anth lib, v rar cohaer ovar simpl, styli 2 ex parte v omnino connati, stigmata 2 introd lateraliter decursiva, caps polyesp, 2 valv. v 1loc, plac margin v placent, v valv introflexis 2 locul, plac centralib, rar bacca polyesp, embr rect, in alb carnoso.

Flbac ♃ v ⊙, rar frutt, plerumq glabrae, fol oppos integrima v in Menyanthei sparsa dentat lob aut fissa, semper exstipul, inflorescentiae variae; fl cyanei, lutei v purpurei.

1. Fol oppos, aestivatio contorta. Gentianeae
   1. Stylus distinctus deciduus, anth dem contort — Erythraea
   2. — persist, anth rectae — —
      a. Foveae nectarifer in cor ⊙ — — — Gentiana
      b. Cor porcelata — — — Swertia
2. Fol sparsae, aestiv indaplicata — — Menyanthes

Erythraea Rich.

Cal 4 v 5 part, cor infundibul, fauce constricta, limbo 4 v 5 part, anth erectae dem spirales contortae, stigm bilamell, aut indiv

cam stylo deciduum, caps subbiloc, bivalvis, polyspurma?
Hbae plrong ⊙ v ⊙, erectae, ramosae, fol oppos, fl cymosi v subspicati, pelrong rosei, par lutei.
Sp. E. Centaurium Pers.
— littoralis Fries.

Gentiana Lin (emend.)

Cal 4-6-fid v part v hinc fissus, spathaceus, cor tub cylindr v campan, limb 5 v 4-5 fid, stam tot quot lacin cor, anth lib v cohaer, stigmata termin, revoluta, aut in unum infundibuliforme connatum, disc hypog 0, caps 1 loc, 2 valvis, plac cum marg valvularum introflexis connatae
Hbae ⊙ v ♃ plumque glabrimae, fol oppos integrima, fl solitar, term, et axill v fasciculati v cymosi.
Sp. G. cruciata Lin
— Pneumonanthe Lin
— amarella Lin
— livonica Eschscholtz et gentianellam Oranicum

Swertia Lin.

Cal 5 part, cor rotata, lacin basi foveis geminis nectariferis ambitu fimbriatis, stigm reniforme sessile; caps 1-loc, plac marginal et parietal, polysp.
Hbae ♃ glbrae, fol spathulata, fl thyrsoidei, subracemosi, sordide coerulei v albi
Sp. S. perennis Lin.

Menyanthes Lin

Cal 5 part cor infund carnosa limbo 5 part disco fimbriata, stam 5, orar annulo ciliato, impos; stigm emargin, caps 1-locul, irregulariter rumpens, polysp; plac parietal.
Hbae ♃ palustres, petiolis sparsis vaginantib, fol 3-secta segmentis integerrimis; fl racem, albi v rubentes.
Sp. M. trifoliata Lin.

55. Polemoniaceae.

Hispon ♃ & Convolvul, & Plantagin.

Cal lib, 5 fid, persist; cor gamopet hypog, regul, v subinaequalis 5 fid, aestiv imbric decid, stam 5, tubo cor insertae, lacin altrna, ovar lib, 3 locul, pluriovul, plac centralib, ovul adscendentib v peltatis, styl simpl, stigmata 3, caps 3 valv, valvis septiferis, axis central, sgonus, angul valvul, dissepim contin; embr rect, in alb corneo.
Hbae ⊙ v ♃ fol sparsa v oppos integra v pinnatisecta, ex-

Stipul, inflor defin, fl coerulei, albi v coccinei.

Polemonium Lin.

Cal 5 fid, cor rotata, limbo 5 lobo, fauce clausa stam 5, tubo cor insertis, basi dilat; anth incumb; caps 3-locul, 3 valv, valv medio septif, polysperma.

Herbae ♃, erectae, fol pinn-secta; fl cymoso-paniculati, coerulei v variantes albi.

Sp. P. coeruleum.

56. Convolvulaceae

Cal lib 4 v saep 5 fid persist, cor gamopet, hypog, regularis, 4-5 lob, aestiv plicato, contorta, decid; stam 5, fundo cor inserta, lob alterna; ovar lib, disco hypog impos, 2-4 loc, loc pauciovul, ovul erectis, styl saepe partit, caps 2, 3, 4 valv, valvul a margine dissepimentorum solutis v circumscissa v indehiscens; sem in basi angul centr affixa, parce album v exalb; embr curvatus, cotyl corrugatis, v (in Cuscutis) 0.

Herbae erectae v prostrato-scandentes, rar frutt, saepe lactescent, fol sparsa exstip, in Cuscut parasiticis 0, fl axill, solitar, cymosi v glomerati.

Convolvulus

Cal 5 part ebract v bibract, cor infundib, campan, angul 5 lob, 5 plic; stam 5, cor brevior; styl indiv; stigm 2, cylindrac filif; caps 2-3 loc, loc 1-2 sperm; cotyl corrug.

Herbae v erect v procumb, repentes v saep volubil, rarius frutt, spinati; fol sparsa, integr, lob, incisa v partit, pedunc axill, un v multiflori.

Sp. C. sepium Lin (Calystegia sepia Br. Br)
— C. soldanella ?
C. arvensis Lin.

Cuscuta Lin.

Cal 4-5 fid, cor campan v urceol, 4-5 fid, tubo ventr plicatus squam, stigm 2 v 1; caps circumscissa, oligosperm; embr spiralis, acotyledon.

Herbae parasiticae, aphyll, decolor; florib glomeratis v spicatis.

Sp. C. europaea Lin.

57. Boragineae

Mons t d convolv, t d - t d Labiatae, f t d Solan & Hydrophylleae

Cal lib 5-fid, persist; cor gamopet, hypog, regular v rar subirreg (Echium) 5 lob, aest imbric; stam 5, corinsert, lacin alternan; ovar 4 gynobasi v axi elongato insert, distinct v raro conn, 1-ovul v rar biloc, 2ovul, ovul ascendent v pendulis; styl simpl e gynobasi v axi oritus; stem simpl v 2-4-lobum. Nuculae 4, 1-2-sperm, distinct v rar connatae, sem solit, exalbum; embr rectus.

Hb ⊙ ♃ v fruct, plerq hispid v pilos. fol sparsa ex stip, integr; cymae scorpioid, rar fl solitarij.

Asperugo Lin.

A.) Gen nucibus 4, stylo adnatis.

Cal 5 fid, fructif compr, lamell plan, parall sinuatis, cor subrotata, fauce fornicibus clausa, stam incl, stigm integr; nuces 4, compr, latere angustiore, stylo adn.

Hba ⊙, caules ramosi, quadrang, procumb, recurv-aculeat; fol sparsa v bina, terna, quaterna, approxim, hispida; fl axillares axill v extraxill, solit v plures, purpur-violac; pedunc fructif, reflexi.

Sp. A. procumbens Lin.

Echinospermum Swartz.

Cal 5part, cor hypocraterimorpha, fornic conv clausa, stem incl, stigm obtus; nuces 4, aequal, marg glochid-muricat v cristat, angulo dorsali stylo adn.

Hbae ⊙, ⊙, v ♃, erect, ramos, hisp, v pilos; fol sparsa, sublig, integrr, cym scorpioid, saepe bract; fl coerulei.

Sp. E. Lappula Lehm. (Myosotis Lappula Lin)

Cynoglossum Lin.

Cal 5part, cor hypocraterim, tubo brevi fauce forn 5 obtus coarct, stam incl; stigm obtus, nuces 4, depr, muric, marg obtus v marg propr prominente cinct, dorso stylo adn.

Hbae ⊙ v ⊙, erect, molliter pilos; fol sparsa, integr; cym scorp, ebract; fl sanguin v albi.

Sp. C. officinale Lin.

B.) Gen nucibus 4 lib.

Anchusa Lin.

Cal 5 fid, cor infundib, tubo erect, limb aequ, fauce fornic obtus, prominent, velutin v hirsut clausa; stam incl; stigm capit; nuces 4 lib basi excav, arcol marg tumido, plic, strieto cincta.

Hbae erect, ramos, hispid v pilos; fol sparsa integrr v dentic; cymae scorpioid, bract; fl azurei, violac, v rar flavesc.

Sp. A. officinalis Lin.

Conspectus:

A. Nucul columna centr affix.
- a. Cal fructif arct, compr-plan. — Asperugo
- b. Cal aequ, patulus
- α. Nuces depr, ovat, glochid-echinatae — Cynoglossum
- β. Nuces trigonae — Echinospermum

B. Column centr ○
- a. Cor fornice instr:
- α. Nuces ancipiti-compr — Myosotis
- β. Nuces oblig-ovat
- αα. Cor infundib
- † tubus rectus
- †† nuc basi perforat — Anchusa
- †† nuc basi imperfor — Lithospermum
- † tubus genical-curvat — Lycopsis
- ββ. Cor clausa — Symphytum
- b. Cor faux patula
- α. Cor ~~faux~~ regularis — Pulmonaria
- β. Cor irregul — Echium

Lytopsis Lin.

Cal 5part, cor infundib, tubo curv, limbo oblig irreg; fauce forn 5 obtus, hirs clausa; stam incl; stgm obtus; nuc 4 lib, basi excurv; areola marg tumido, plic, striato cincta.
Hbae ⊙ habitu Anchusae, fl coerulei.
Sp. L. arvensis Lin.

Symphytum Lin.

Cal 5 fid, cor tub cylindr, limbo campan, fauce forn 5, subal, in conum conniv, marg glandul-dent, clausa; stam incl; stgm simpl; nuces 4 lib, basi excav; areola marg tumido-plic-striato cincta.
Hbae ♃, erect, hisp, v pilos; fol infer saepe cord; cym scorpioid, bract; fl albi, chroleuci v violacei.
Sp. S. officinale Lin — (S. patens Gibthorp)

Echium Lin.

Cal 5 part inaequ; cor campo-infund, e tubo brevi sensim applicata, limb 5lob, saepe irreg, fauce forn destituta; stam inaequ, exserta; styl plrmq apice 2-fid; nuces 4, area 2fid basilari, bangul, plana, affixae.
Hb v frutt, imo arbb, setoso-hisp; cym scorp, in thyrs dispos, bract; fl coerul viol ros v albi.
Sp. E. vulgare Lin.

Pulmonaria Lin.

Cal 5 fid 5-gon, campan, cor infund limbo regul, fauce fornic, destit, pilosa, stam incl; stgm capitellatum, nuces 4 lib, areola plana.
Hbae ♃, pilos v hisp, caul simp; fol radic saepe difform; cym scorp, gemin, bracteat; fl plrmq coerul v ros, versicol, rar albi.
Sp. P. officinalis Lin.

Lithospermum Lin.

Cal 5part; cor infund, limbo reg, fauce aperta, nuda v pilis 5 pilosis v fornicib pubescent, saepe coart, stam incl; stgm emargin; nuces 4, lib, areola basilari, plana.
Hbae v suffr, strigoso v sericeo-pilos; fl axill, breviter pedunc, spicas foliatas referentes albi, coerul, v violac.
Sp. L. officinale Lin.
— arvense "

Myosotis Lin.

Cal 5 fid v 5 dent, cor hypocrater, limbo plano, regul, fauce forn ∅, glbr clausa, stam incl; stgm capitell; nuces 4 lib, antice conv, laeves, postice carin, area subbasilari minuta, punctiformi.
Hbae ♃, ⊙, v ⊙, strigul-pilos, fol sparsa, lanceol-lingulata, cym scorp, subgemin, plrmq bract, fl coerul v variantalbi, rar versicolores.

Sp. M. palustris Lin } cal adpresso piloso
— caespitosa Schultz }
— intermedia Link } cal pilis patulis; basilaribus
— versicolor Persoon } cinat, patentissim.
— stricta Link }

58. Solaneae

Cal lib 5 rar 4 v 6 fid persist v circumscis, fructifer saepe auctus; cor hypogyna gemipet 5 rar 4-6 fid, aest plic-vals, stam 5 rar 4-6 cor tubo inserta lacin altrna, anth lib v apicib connatae longitudinal dehisc v 2 porrs, or 2 loc v incompl v compl 4-loc, rar per excessum 3, 5 loc multiovul, stgl termin simpl, stgm indiv v obsol 2, 3, 5-lob 5 caps 2, rar pluribc septicido 2, 4 valv, v opercul, v bacca v exsucca; sem ∞, album carnos, embr periphe v spiralis, rad ad hilum versa, v axilis rectus, radic ad hilo remota

Hbae ⊙, ♃, frutt v arb, caule ramisq angul, fol sparsa, simpl, integra et lob, super saepe gemin, exstipul, fl saepe extraxill.

Fr baccatus, bacca — Solanum
Anth 2 poros — longitud dehisc. — Atropa
Fr capsul, capsula
septicide dehisc, 4 valv — Datura
circumscissa, operculo dehisc — Hyoscyamus

Solanum Lin.

Cal 5 fid, persist, cor rotata, limbo 5 part, plic, stam 5 anth conniventes intra corn apice 2 porosae, stgm simpl, baccae glob 2 locular polysperm, sem compr reniform; embr periph v spiralis.

Hbae ⊙ ♃ v frutt saepe acul, fol sparsa v , integra v divisa, fl termin cymosi v extraaxill

Sp. S. nigrum Lin — S. humile, - villosum, - nincatum } S. guineense Jacq.
— dulcamara Lin.

Atropa Lin

Cal 5 part dem patens lacin persist, cor campan, ventricosa ovata limb 5 fid, patulo lacin subaequ, fil 5 filif, basi connaiv, superne distant, cum stylo declinata, anth longitudin dehisc stgm capit bacca globosa biloc polysperma, sem reniformia.

Hbae ♃, fol gemin integr, fl axill v extraaxill, solit plurimi.

Sp. A. Belladonna Lin.

Hyoscyamus Lin

Cal campan persist 5 lob; cor infundib, tubo brevi, limbo erecto patulo oblig 5 lob, lob obtusis, stam 5 tubo ins, declin, anth longitudin dehisc, stgm capit, caps basi ventricosa superne in collum contr circumscissa, sem compr renif.

Hbae ⊙, ♃, v frutt. fol sparsa integra v sinuata dentata fl axill solit v subcapitati, cor cutem, aurea v violaceae

Sp. H. niger. Lin.

Datura Lin.

Cal tuber limbo 5fid decid; cor infundib limbo plicato, 5lob, stam 5 anth longitud dehisc, stgm 2lamellatum, caps 4valv, 4locul, loc 2part, polyspermum, sem reniform.
Habac ⊙ v frutt et arbusc, dichotome ramosa; fol sparsa plrmq sinuato-dent; fl axill solit, lutei albi v violacei.
Sp. 8. Stramonium Lin.

59. Scrophularineae

Cal lib persist 5v 4fid saepe inaequ, cor hypog, gamopet, 5mera, limb plrmq bilab, labsuper 2, infer 3lob, rar subaequ, aestiv imbric, stam cor hbo ins, typice 5 abortu postici, fere semper (paucior), v 2 latert ant 2 antici anantheris aut omnino deficientib duo, anth 2loc, loc parallelis v divaricatis v oppos et tunc confluent, ovar lib bicarpellare, bilocal, rariss 1-loc, multiovul, styl termin simpl, stgm simpl v bilamellat, caps rariss baccata, 2locul, plrmq 2valv, varie dehisc, plac centralib coas, sem ∞ rar numero definita, embr in axi album carnosi rect, v parum curvatus (homotropus).
Habac v suffrutt fol sparsa oppos v verticill exstipul, fl v axill solit, spicati v racemosi v termin cymosi.

Conspectus generum:

I Anth uniloc
- 1. Stam 5 — — — Verbascum
- 2. — 4, didynama — — Scrophularia

II Anth bilocul
- 1. Stam 2 — — Veronica
- 2. Stam 4, didynama
  - a. Cor 5fid, subreg — — Linaosella
  - b. — bilab
    - aa. calcarata — — Linaria
    - bb. ecalcarata
      - α. campanulata — — Digitalis
      - β. ringens
        - αα caps loc polysperm
          - ααα sem compr, margin — — Rhinanthus
          - βββ sem emarginata
            - † caps obtusa emargin
              - †† anth 2 calcar — — Euphrasia
              - †† anth omnib mucron — Odontites
            - † caps mucronata — Pedicularis
        - ββ. capsul monosperm — Melampyrum

Verbascum Lin.

Cal 5 part, cor rotata, limbo 5lob inaequ, stam 5 inaequ, 2 inferiora longiora declinata, omn fertilia, fil omnibus v tribus barbat, anth reniform, tloc, caps apice septicide bivalv, valv semibifidis.

Hbac plrmq ⊙; fol sparsa, saepe decurrent, toment-floccosa, fl fascic, racem-spicati, flavi v violacei.

Sp. V. Thapsus Lin.
— nigrum Lin

Scrophularia Lin.

Cal 5 part laciniis superiore minore subinaequalis; cor ~~ut~~ e basi ventricosa tubulosa camp, limbo 5-fid, lab super emarginato bidentato, infer 3lob, lobo intermedio magis producto, supra barbato, stam didynama, fundo coroll inserta anth locul divaric, stgm bifidum, caps margine valv infl, 2locul plac superne lib.

Hbac, rar frutt, fol sparsa integra racemi termin bract, secundi, fl purpurei flavicantes, varieg, aurei etc

Sp. Digitalis grandiflora Lam (ambigua) t ~~to~~ kanfspr.

Digitalis Lin.

Cal 5-fid subreg, cor tubo ventric glob, limb abbrev bilab, lab super bipart, erecto, infer 3part brevior, lab med r. flf. stam 4, didynama, plrmq cum rudim quinti; anth reniftloc, caps superne septicide-bivalv, polysperma.

Hbac v suffrticosa 4-angul, fol plrmq oppos, infer v divis, cum axill 2-multifl, inflor in thyrs dispos, fl fasci, luridi, purpurei, viresc v flavi.

Sp. S. nodosa Lin.
— aquatica —

Linaria Tournef.

Cal 5part subirreg cor personata, bilab, basi calcarata, lab inf trifido palato inflato prominente, faucem claudente, super 2fid v bipart, stam didynama anth reniform, bilocc, caps subglobosa apice in valvul 2 dehisc, remanente arcu stylifero, dissepim tegente, valvul integr, v trifid, sem ∞.

Hbac intra repentes fol sparsa, oppos, v verticill, fl racemosi, rar axill solitarii, flavi purpurei v versicolores

Sp. Lin. vulgaris Mill. L. striata

Veronica Lin

Cal 4 v 5part irreg cor subrotata limbo 4, laciniis superioribus latiora, stam 2, tubo cor inserta, divergentia, anth bilocc. locul oppos stgm integr, caps emargin bilob, rar subglob, disseps contrarii compr loculicido bivalvis oligo- v polysperma, sem convexo plana, v navicularia

Hbac ⊙, ♃, rar frutt, fol oppos vertic rar sparsa, racemi termin v axill v fl axill solit, plrmq coetanei.

Sp. V. scutellata Lin
Anagallis Lin
Beccabunga Lin
Chamaedrys Lin

V. officinalis Lin
— prostrata Lin (?)
— latifolia —
— longifolia —

V. spicata Lin
— serpyllifolia
— arvensis
— verna
— hederaefolia Lin

V. agrestis Lin
— polita Fries (?)
— opaca Fries (?)
— hederaefol Lin (?)

Odontites (Haller) Dabi

Cal campanul subaequaliter 4 fid, cor ringentes galea compr, lab infer 3 part lacin integerrimis, anth locali exserti aequaliter mucronati, ovar glandula fultum, 2 locul multiovul caps ovato-oblonga, obtusissima vel emargin, compr, loculicido bivalvis polysperma sem oblique oblonga aequaliter striata, striis escalatis.
Hbae ⊙ v ⊙ erectae, fol oppos, sessil serrata v incisa, spicae termin bracteat, fl rubent, v flavi.
Sp. O. (rubra) serotina Reichenb
— verna Reichenb

Euphrasia Lin

Cal tubulos v campanul 4 fid v 4 dent, cor ringens, lab super planiusc v concav saepe emargin v subgaleato, laterib reflexis infer trifido plano, lacin emarg anth loculi in anth 2 mutici, in alteris 2 calcarati, incl; ovar, caps, et sem ut in Odontite.
Hbae ⊙ erect, fol oppos sessil crenata, serr, incisa; spic termin bracteat, fl albidi purpureo-striati, flavo maculati.
Sp. Euphrasia officinalis (nemorosa)

Pedicularis Lin.

Cal tubul v ventric, irregul 5 dent saepe latere fissus integer (spathac), cor ring, galea subcompr, lab infer 3-fid, anth loculi rariss mucron, ovar gland fultum 2 loc multiovul, caps oblig ovata v lanceol, loculicido superne dehisc, locul polysp, sem membrana reticul scrobiculata arcte invol, striata.
Hbae ♃ v ⊙, simpl v ramosae, rarr scabacaules; fol sparsa, oppos v verticill; fl spic, racemosi, rar solitarii albidi, flavi, purpurei.
Sp. P. Sceptrum Lin
— palustris Lin
— comosa Lin t Dolarschspn.

Rhinanthus Lin.

Cal infl 4 dent, lat subcompressus, cor ringens, gal com-

pressa, lab inter, 3fido, plano, anth loculi mutici, ovar glandula fultum biloc multiovul, caps orbiculata, compr, loculicido bivalvis, polysp sem ala orbicul cincta.
Hbae erect, ramos. O, fol oppos sess, flor in spic oppos, flavi saepe violac - macul.
Sp. Rh. crista Galli Ehrh
— minor

Melampyrum Lin.

Cal tubuloso-campan, 4fid, cor ringens, galea compressa, margine reflexa; lab infer 3fuleatum, Antherar lobi mucronati glandula ad basin ovarii 2locul; loc biovul, caps a latere compr, loculicido dehiscens, loc 1-2sperm; sem laevia.
Hbae O, fol oppos, caulina, integerrima, subfloralia et bracteae, pinnatifid-laciniat, saepe colorat; fl axill, solit, spic, saepe secundi, albidi aut flavesc.
Sp. M. cristatum Lin (pesa, aup 2alkbrzn)
— arvense Lin
— nemorosum Lin
— pratense Lin
— sylvaticum Lin.

60 Orobanchieae

Stam 4 Scrophularineen antherfächern Bras:

Cal 4-5 fid, saepe hinc fissus, v utrinq fissus, cor et stam Scrophular.; ovar 1-loc, plac parietal; sem minutiss, albuminosa, embryo minimus, prope hilum situs, subglob, subacotyledoneus.
Hbae in radicib aliarum stirpium parasiticae, coloratae, aphyllae, scapis carnosis squamatis; fl rariss solit, ebract, plerumq racem v spicati, praeter fol florale saepe bibracteolatt.

Orobanche Lin

Cal 4 fid v bisep, sep saepius bifid, cor ringens inferne carnosa, denuq basi circumscissa remanente secedens, caps 1-loc, plac parietal oppos; sem ∞, minutissima.
Hbae radicib parasitae, squamatae, coloratae; fl terminales, spicati versicolores.
Sp. O. Galii Duby (Allan. (O. Caryophyllacea Smith)

Lathraea Lin.

Cal campan 4-fid, cor ringens, basi integra, decid, ovar antice gland lib fultum; caps 1-loc-plac parietal solit v genuis, sem ∞, minutissima.
Hbae carnosae, in radicib parasitae, squamatae, fl terminales spic-racemosi.
Sp. L. squamaria Lin.

61. Labiatae.

Cal lib tubulos persist 5 dent saepe 2 lab, lab super 3, inf 2 lob; cor hypog, gamopet, pentang, irreg, limbo plrmq, bilab, lab super bilabo v integro, infer trilob, aestiv imbric; stam cor tubo inserta, tetrapicae 5, aborta semper pauciora, 4 didynama v 2, ovar 4, lib, disco hypog inserta, 1-loc, 1-ovulata, ovulo erecto, styl simpl, in medio ovario e disco ortu, stigm bifid, lob inaequ; nuces 4 cal incl, monosp; sem subex album, embr rectus v rariss apice recurvus.

Herbae, suffr, v frutt, caul plrmq 4gon; fol oppos rar verticill, simpl exstipul; fl in cym axill oppos, saepe contractis, vertic spurios formantib, distant v in thyrs spic approximatis, col vario.

Consp. gen.

I. Stamina duo " " " Lycopus
II. Stamina quatuor
A. Cal bilab
1. Lab cal integr, super gibbum " " Scutellaria
2. Lab super 3-, infer 2-fid
a. stam distant v sub lab super coniv
aa. verticilli bract setac elong involucrati " Clinopodium
bb. ——— basi bibracteolati
α. cal basi gibbus " " Acinos
β. — — aequalis " " Thymus
b. stam approximata parallela
aa. fil apice dentifera " " Prunella
bb. — — edentula " " Dracocephalum
B. Cal subregulariter 5 fid
1. stam distantia
a. anth locul paralleli " " Mentha
b. — — divergentes " " Origanum
2. stam approxim, parallela
a. cal 15-nervius
aa. lab infer lob med convexus, crenul " Nepeta
bb. — — — — planus, obcord " Glechoma
b. cal 10-nervius
aa. lab cor super elong
α. anth locul paralleli
αα. lab infer supra bigibb " " Galeopsis
αβ. — — aequa " " " Leonurus
β. anth loc divergentia
αα. succo apice truncati
† labii infer lobo med bilabo " Lamium
† — — — — integro " Galeobdolon

ββ. nuces apice rotundatae
† stam exserta, demum deorsum flexa — „ „ Stachys
† — „ subincl, directione demum mutata „ Betonica
bb. Lab cor super abbreviatum „ „ Ajuga

Lycopus Lin.

Cal 5 dent, cor, infundibulif, 4 fid, subaequ, lacin super margi, annulo pilorum in tubo nullo; stam distantia, recta, diver gentia, 2 perfecta, anther loc parall; 2 steril, fil brevib capitellatis v nulla; nuculae oboratae, truncatae, laeves, fol inciso-dent, v fid, vertic axill sess, multiff, densi; fl. min.
Sp. L. europaeus Lin.

Mentha Lin.

Cal 5-dent, cor infundib, 4 fid, subaequ; lacin super emarginata, annulo in tubo 0; stam distant, recta, superne divergentia; anth loc parall; nuculae ovatae, obtusae, laeves, glabrae.
Herbae erectae v procumbentes; fol integra, vertic multiff, remota, spicati v capitati; fl parvi pedicellati
Sp. M. aquatica Lin
— arvensis Lin
— sylvestris Lin.

Origanum Lin.

Cal 5 dent v oblig fissas, apice 3 dent v integer, cor lab super rect, emargin, infer trifid, annulus in tubo 0; stam distant, superne spatula, connectivum dilatatum subtriangulare, anth locubs sejungens, nuculae laeves.
Fol integrima v denticul, spicae cylindr v oblongae, bracteatae, bract imbric coloratis, fl parvi.
Sp. O. vulgare

Thymus Lin.

Cal 2 lab, basi aequ, fauce villis clausa; cor lab super rectum, emargin, infer 3 fid, annulus in tubo 0, stam distantia, superne spatula, anther loculi sejuncti, connectivo dilatato; nuculae laeves.
Suffr, parvi, microphylli; fol integrima, saepe margine revoluta, verticillastra, pauciflora, remota v spicato-aggregata; fl pedicellati purpurei.
Sp. Th. Serpyllum Lin.
— angustifolius Schreber.

Acinos Moench.

Cal bilab, basi gibb, fauce pilos, cor lab super rect, emarg, infer 3-lob,

annulus in tubo O; stam distant, sub lab super conniv, anth loc sejuncti connectivo dilatato, divergentes; nuculae subcompr, laeves.

Herbae ⊙ v ♃, raries suffr erecti; fol serrata, verticillastra paucifl, axill, remota, basi bracteol; fl pedicell, purp-colorescentes.

Sp. A. vulgaris Persoon. (Fr. Aienoskin)

Clinopodium Lin.

Cal bilab fauce pilos; cor fauce infl, lab super rect, emargin, infer longius, 3fid; annulus in tubo O, stam distant, sub lab super conniv; anth loc connectivo dilat, sejuncti, divorg; nuculae ellipticae, laeves; verticill invol e fol setac compos cincta.

Herbae ♃; fol integr v dent, verticillastra, pauca subremota; fl purpurascv variegati.

Sp. Cl. vulgare Lin.

Nepeta Lin

Cal tubul 5dent, cor lab super plan, rect, efid, infer lacin med rotundata, concava, annulus in tubo O, stam approxim, sub lab cor super parall, deflor, extrors refl, anth loc oppos, rima longitudin com dehisc, nucul brevisc.

Herbae glbr v canesc tomentosae; fol varia, pedunc axill cymosiv in verticillastra contracti, verticillastris saepe spic; fl coerulei v violacei.

Sp. N. Cataria Lin.

Glechoma Lin.

Cal tubul 5dent, cor lab super plan rect afid, infer lacin med obcord, plana, annulus in tubo O, stam approxim, sub lab superiore parall, anth per paria in crucem dispos, infra apicem filam affixae, loc dem divergent, nuculae laeves.

Herbae repent, fol cordato-renif, grosse crenata; cym axill pauciflorae.

Sp. Gl. hederacea Lin.

Dracocephalum Lin.

Cal tubulos 2lab, lab super latiore, cor lab super fornic infer lacin intermed obcord, fauce inflata, annul in tubo O, stam approxim, sub lab super parall, antrors curvata, anth loc oppos; rima longitudin com dehisc, nuces laeves.

Herbae O v ♃, fol cord-oblong, renif, crenat, v linearib integrr; bract saepe mgn, color oar integrrn, verticillastr subspic; fl coerul v variant albi.

Sp. D. Ruyschiana Lin. (fr Nordlundsdra finsfig)

Lamium Lin.

Cal oblig 5-dent; dent patentiss; cor lab super fornic, infer lacin lateral minime dentiform v 0, med dilat 2fid, annul pilorum in tubo cor; stam sub lab super parall, anthloc oppos; rima longitudin comm dehisc, nuculae ovtis conv, iatus acutang, laeves v minute-tuberculat.

Herbae ⊙ v ♃; fol crenato-dent verticillatr assilia, remota; fl purpurei v albi.

Sp. L. amplexicaule Lin.
— purpureum Lin.
— album Lin.
— rubrum v maculatum (?)

Galeobdolon Huds.

Cal oblig 5-fid, cor lab super fornic, lab infer lacin omn acutae, annulus pilor in tub cor, stam sub labio super parallela, antherar loc oppos, rima longitud comm dehisc, nuculae ut in Lamio.

Herbae habitu Lamii, flor luteis.

Sp. G. luteum Huds (Galeopsis galeobdolon Lin)

Galeopsis Lin.

Cal 5-fid lacin spinesc, cor lab sup fornic, infer basi ultimo ~~basi~~ dente acuto, cavo, rotato, instrct, lacin med obtusa v emargin, stam sub lab super parall, antherar loc subrotundi, parall, bivalves, barb-ciliati; nuces obovatae apice rotund, intrne acutangul, laeves.

Herbae habitu Lamii, ⊙, fl versicolores.

Sp. G. Ladanum Lin — G. versicolor Curtis
— Tetrahit — — pubescens Bess —

Stachys Lin

Cal 5 dent, subaequ, dentib pungent, cor lab super concav, infer lac med, obov v obcord, annul pilor in tubo cor; stam sub lab super parall, simpl, deflorata, contorta, extrors flexa; anth loc oppos, rima longitud comm dehisc; nuculae obov intrne acutangul, saepiss laeves.

Herbae fruticuli v suffr, saepe densissime tomentosi, intus albri; fol var, integrr v crenata, vertic spic termin.

Sp. St. sylvestris Lin
— palustris —

Betonica ~~Stachys~~ Lin.

Cal 5 dent subaequ. cor lab super concav, infer lacin med obtusa, annulus in tubo 0. stam approxim, ~~sub~~ lab cor parall, anth loc diverg v ~~sub~~ parall, rima longitud, comm dehisc

glbr; nuculae rotundato-obtus, intrne et marg acutangul.
Habae ♃, fol basi cord, grosse cren, verticillatr interrupte spic; cor purpur rar flavae — Sp. Officinalis Lin.

Leonurus Lin.

Cal 5dent, subaequ, dent spinesc, cor super lab concav, inf lacin obtus, revol, med integra v bilobo, annulus pilor in tubo coroll, stam approximata, sub labis super parallela simpl, deflorata contorta extrorsus versa, anth loculi parelleli rima longitudin communi dehisc nuces apice truncati, acutanguli.
Habae ♃ erectae, fol petiolata palmatilobata, verticillastra densa axill; bract. subulatae
Sp. L. cardiaca

Scutellaria Lin

Cal bilab, labiis integr; lab super squama concava auctus, fructifer, clausus; dem usq ad basin fissus; lab sup decid; cor lab super concav infer trifid, lacin lateral labio super approximatis, annulus in tubo O stam sub lab super parall, antrorsum curvata, anth local rima longit communi dehisc, nuculae subglobosae, tuberculatae leves v tomentosae, thoro oblique insidentes.
Habae v perenn, fol integra v pinnatif, flor axill oppos, axill approxim intra spic-racemosi, fere saepe bract coloratis, cor colore vario.
Sp. Sc. galericulata
— hastifolia Lin ♃ v fus abro

Prunella Lin

Cal bilab fructifer compr-clausus, lab super lato, plano trilobo, infer bifid, fauce nuda, cor lab super concav infer lacin obtus; annulus pilorum in tubo coroll stam sub labis super parallela, filament apice dentifera, anth rima longitud communi dehisc, nucul obov-oblong, intro sulco excavata laeves
Habae ♃ fol integra v pinnatif verticillastra 6 flora, spicata bract dilatat distincta; fl colore vario.
Sp. P. vulgaris

Ajuga Lin

Cal ovat v glob campanul subaequ, cor lab super perbrevi bilobo inf long trifido, stam fauci sub labio super inserta approxim exserta, anth reniff, local confluentib, uniloc, nuces reticul-rugosae.
Habae O v ♃ saepe procumb, fol integra v trifid, verticil-

bastra s.v multifl, axill v approxim spicata
Sp. A. reptano Lin! (nizll b uno spar A. genevensis)

62. Lentibularieae or Utricularieae

Cal lib bilab, lab integr v super 3, infer bifid, persist, cor hypog, gamopet irreg, bilab, calcarata, stam 2 basi coroll inserta, anth reniformi loculi confluent, un loc, ovar liber, 1 locul multiovul, ovulis placentae centrali lib affixis, stylus simplex stgm bilab, caps circumscissa v apice dehisc, polysperma, sem exalbamin; embr erect, cotyled brevis
Hbae aquat v palustr, caulesc, fol infer vesiculifer, v acaules fol integerrim; fl racemosi v in scapo terminali solit.
~~Sp 4~~

Utricularia Lin

Cal diphyllo-bilab, lab subaequ integris, cor personata basi calcar, lab super integro v emargin infer majore integro; stam 2 anth 1-loc, stgm 2lab, caps sub globosa, 1-loc, polysperma
Hbae aquatiles, ♃, caulesc, caule foliosa, fol sparg irreg dissectis, basi vesiculif, pedunc scapiform, racemosi, rar 1-flori.
Sp. U. vulgaris Lin
— intermedia Haine
— minor Lin

Pinguicula Lin.

Cal prof bilab, lab sup trifid (v trident) inf bifid, cor oblig infundibulif campan, bilab; lab super brevione, 2-inf 3-fid, fauce aperta basi calcar, ceteram ut in Utricularia.
Hbae acaules, fol radice rosul integrim pinguia pedunculi scapiform unifl erect.
Sp. P. vulgaris Lin † blauw Blum
— brachyloba Ledebour. † gelben Bl

63. Primulaceae

Cal 4-5 divisus v dent persist, lib v rariss basi adn, cor gamopet, hypog regul, 4-5 fida, rariss

0, stam cor inserta, dot quot cor lobi, isgoppos v numero
(supla, exter lacin alterna steril (Samolus) ovar lib v
pariss basi adn uniloc multiovul, ovul placent cen-
trali glob insetis, styl simpl, caps valvatim dehisc
v circumscissa, sem peltata, embr rect, e album carn,
radic infera ad hilum versa
Herbae, rar suffrut, saepe acaules, fol sparsa oppos,
verticill, exstipul, fl axill v termin, inflorescentiis
variis.
Consp. generum:
A. Fl. cal et coroll instr.
I Ovar lib, stam steril nulla
1. Caps valvat dehisc
a. Cor hypocraterimorpha
aa stam inclusa
α stam digitata — — — Primula
β — contracta — — — Androsace
bb Stam exserta — — — Hottonia
b. Cor rotata
Fl pentameri: — — — Lysimachia
Fl heptameri — — — Trientalis
2 Caps circumscissa — — Centunculus
II. Ovar basi adn stam steril 5 — Samolus
B. Corolla 0 — — — — — Glaux

Trientalis Lin

Cal. 7-partit, cor plana subheptapet, pet annulo
intus prominulo connexa, tubus nullus, stam annulo
impos, anth dem retrorsum convol, caps subcarnosa,
dem 7 valv, sem x.
Herba, rhizom repente, glabra, caules erecti, simpl, su-
perne foliati, fol subverticill, integerrima, pedunculi
terminalia plerumq solit 1-flori, fl albi.
Sp. T. europaea Lin

Lysimachia Lin

Cal 5 part, cor rotata, tubo brevi v cabnullo, limbo 5 part, stam
cor inserta 10, 5 exter breviora sterilia v 5 lib v monadelpha
caps 5 valvis polysperma, sem dorso carinata, carinae pla-
centae centrali lib affixa.
Herbae 2r, fol oppos v verticill integerrima, glanduloso-punct,

inflorescentiam v axill, corluteae v albae.
Sp. L. hyssiflora Lin
— vulgaris —
— punctata —
— nummularia —
— nemorum Lin i zinnifolium

Androsace Lin.

Cal 5 fid v 5dent, cor hypocraterimorpha, tubo ovato apice coarctato, fauce formicib brevib instr; ovar 5 v plurioval; caps 5valv, oligospermae.
Herbae acaules, fol rosulatis, scap solit v pluribus, flor umbellati.
Sp. A. septentrionalis Lin.

Primula Lin.

Cal 5 fid, cor hypocraterimorpha v infundibuliform tubo cylindr ad insertionem stam dilatato, fauce fornicib clausa v nuda; ovar multioval, caps 5 valv, polyspermae.
Herbae ✠ caespitosae, plerq acaules fol radic integrima, rar laciniata, scapi umbellifari, umbell involucrata; fl col varis.
Sp. P. farinosa Lin (cum fornicib) —
— officinalis → or veris.

Hottonia Lin.

Cal 5 part, cor hypocrat; fauce nuda, limbo plano patente, stam 5 fauci insita, exserta; caps subglob, 5 valv, polyspermae.
Herbae aquaticae, sarmentis repentib, caul submers, foliis, fol verticill approxim, pectinata; pedunc emersi, scapiformes, multifl, vertic florum racem, bract.
Sp. H. palustris.

Centunculus Lin

Cal 4 part, cor hypocrat., tub subglob, limb 4 part patens, stam 4, caps subglob, 1loc, circumscissa, polyspermae.
Herbae ⊙ minutae ramosae, fol sparsa, integrima; fl axill solit.
Sp. C. minimus Lin ~~[illegible]~~ fol 7 inf fl in Linl.

Samolus Lin.

Cal basi ovar adn 5 fid, cor tub breviter campanul, limb 5 part patentissimus, stam 10, 5 fertil, fundo cor inserta, lacin oppos, 5 his interjecta steril, filiff, altius inserta, caps 5 valv, polyspermae.
Herbae ✠, fol obov integrim, sparsa; fl racem, albi.
Sp. Samolus Valerandi.

Glaux Lin.

Cal campan 5 fid, intus coloratus, cor 0, stam fundo calycis inserta, ~~stam~~ quint lacin calyc. oppos; caps 5 valv 1-loc, subspsrma.
Hba ramosa prostrata carnosa; fol decussata, lanceolata; fl acill solit, sessiles, rubentes.
Sp. Gl. maritima Lin.

64. Plumbagineae.

Cal 5 dent plicat persist, cor gamopet, regularis, limbo 5 part aut pentapet, pet unguiculatis, stam 5 in gamopet hypogyn, in pentapet pet unguib adn; fil aest rectis, ovar lib 1-loc, ovul, ovulo ex apice funiculi elongati, e basi ovarii orta pendulo, stgli 5, lib v basi connati, stgmta 5 filif v ramosa; caps v utriculus, dehisc v indehisc, monosperma, embr in alb carnoso rectus, radic hilum spectans.
Hbae ♃ v fruticuli, fol sparsa, integrima, saepe omn radical, stips 0, fl bract, fascical, v composite cymosi, calycib saepe color, scariosis v glandul v aegosis.

Armeria Willd. (Statice Lin)

H. capitato-congesti, involucrati; cal infundibul, 5lt, membran, lob mucronatis interjectis denticulis, pet 5 basi cohaerent, persist, stam 5 pet oppos, ovar lib, 1-loc, 1-ovul, stylis 5, stgmta filif indivisa, utric 1-sperm.
Hbae ♃, caespitosae acaules, fol linear, integrima, scapi monocephali, sub capitulo vaginati; fl purpurasc.
Sp. A. maritima Willd.

65. Plantagineae

Fl hermaphr v dioici; cal 4 part, persist, rariss infe femin triseps (Littorella), cor gamopet, hypogyna, 4 fid, regularis, scariosa; stam 4, tubo v receptac inserta, cor lacin alterna, fil aestiv induplic; ovar lib, uniloc, uniovul, omnioerecto v plac centr compr, bi-v 4-alata, 2-4-loc, ovul in loc solit v plurib; styl unus, stgma simpl; caps circumscissa v mucamentacea; embr rectus in album corneo, radic ad hil versa.
Hbae ⊙ v ♃, rar suffr, saepe acaules, fol nervosa, saepe linear, rar divisa caestipal; fl spic bract, raro solit (Littorella).

Plantago Lin.

Fl hermaphr, cal 4 part, sep 2 exter intrd conn; cor tubor, limb 4-part, refractus; stam 4 cor tubo insertis, caps 2 raro 4-local circumscissa; plac dem lib, 2, 4 alata sem solitar v plura in quolibet loculo.

Herbae var suffr, saepe acaules; fol basi vaginantia, integerrima v dent rar incisa, nervosa, axillis intrd lanata, pedunc plerumq scapiform; fl spicati, sess, unibracteati.

Sp. P. major Lin
— media —
— lanceolata —
— maritima Lin.

66. Amaranthaceae

(Ord Amarantorum, s Paronychiarum p mirabil)

Perigon 3, 5 part, scariosum aestivat imbric, stam 3, 5, hypogyna, lib ant monadelpha, lacin perigon oppos v pauciora; ovar lib uniloc, 1-pluri-ovul, ovul fundo ovar affixis; stgmta plura sessil v styl 1 cum stgmtibus pluribus aut cum stigmate simpl; fr v caps 1-local circumscissa v utricul indehisc, embr periphericus, album farinae.

Herbae ⊙, ♃, v fruticuli; fol sparsa integerrima v stipulata, ochreat o; fl saepe polygami, glomerati, glomeralis capitat v spicat, bracteatae, bract saepe color.

Amarantus Lin

Fl monoici, tribract; sep 3, 5, fem lib, fl ~~fem~~ masc stam 3 ad 5 lib; fl femin styli 3, utric monosp circumscissa, sem lenticulare.

Herbae ⊙ erectae v diffusae, fol sparsa integrima; fl glomerati spicato paniculati axill et terminales.

Sp. A. Blitum Lin. (in Gemüsegärten)

67. Chenopodeae

Perigon 5 part v 5 sep, aestiv imbric, stam hypog v perigyna, num lacin v pauciora, isos oppos, ovar liberum v rar inferne perigon adnatum, uniloc, uniovul, ovulo in fundo ovar affixo, stgl simpl v bi- tri- quadri-part, stgmta radiata; fr indehisc siccus v cal dem accrescente carnoso, spurie-baccatus; embr o periphex, album farinaceum,

paceo v spiralis, album O, radic hilum spectante.
Herbae O, rr, rar suffr; fol sparsa v rar oppdita, saepe carnosa, integr mirata, squamaeq, stip et cochleae O; fl hermaphr v polygami, inconspicui, virescentes.

Consp. generum:

I. Sem. exalbumin, embr spiralis. (Spirolobeae)
Cal 5 sep, sep dem alatis " " Salsola
—, 5 fid, sep escalatis " " Spheberia

II. Sem albumin, embr peripher (Cyclolobeae)
Fl omnes conformes, hermaphr.
Cal gamosep
Sem horizontalia " " Chenopodium
Sem verticalia " " Blitum
Cal 5 sep, bibract " " Polycnemum
Fl difformes, diclini " " Atriplex

Salsola Lin.

Fl hermaphr bract, sep 5 dem dorso, transverse appendic pet nulla, stam 5, rar 3 annulo hypog insrta, stgmta 2, utriculus depress, membran; sem horizontale, exalbum testa membranac, embr spiralis
Herbae v frutt, fol sparsa v rar oppos, plrmq carnosa teretia; fl axill sess, bibract.
Sp. S. Kali Lin

Spheberia Ctt. Meyer

Fl hermaphr, bracteol, sep 5, dem inappendic, basi conn, stam 5 hypog, stgmta 2 v 3, utric depressus membranac, sem horizontale exalbum, testa crustacea embr spiralis.
Herbae O v fruticali, ramosi, fol sparsa, carnosa teretinsc; fl axill v peticolares, glomerati bract; sem atra nitida.
Sp. Sph. maritima Meyer (Chenopodium Lin.)

Chenopodium Lin.

Fl hermaphr ebract sep 5 basi con, exappendic; stam 5 hypog, stgmta 2 rar 3 lib; utric depr, membranac; sem horizont, album, testa crustacea; embr peripheric.
Herbae O rariss fruticos v suffruticos, pappaloso-farinosae, caul ramiq angulati; fol sparsa, plana rar integerrima, saepe angulata sinuata multifid; fl glome-

rati. Sp. Ch. hybridum Lin
— urbicum —
— album —
— polyspermum —
— vulgare Smitt (vulgaria Lin)

Blitum Lin (emend C. A. Meyer)

Fl hermaphr v polygami bract, sep 3 ad 5 basi plus minus conn dem carnos v exsucca inappendic, stam 5 v pauciora intrd solit, hypog, stymta 2 utric compr; sem verticale, albumin testa crustac, embr peripheric. Hbae O rar ♃ glabrae v papillioso-farinac; fol sparsa, plana sinuato-dent v integrima; fl glomerati, glomerib axill v petiolar intrd spicatis.

Sp. Bl. rubrum Reichenb (Chenopodium Lin)
— glaucum Koch (Chenopodium Lin)

Atriplex Lin.

Fl polygamo bract, hermaphrod et masc: sep 3 v 5 aequal, basi conn exappend, stam 3–5 perigyna, ovar depressum saepe abortivum; sem horizontale; fl feminae: sep 2, lib v conn, ovar compr, stymta 2 filif, utric membran compr, sep auctis incl, sem verticale, testa subcrustacea, albumin, embr peripheric. Hbae O v suffr, papillioso-farinosae v lepidotae, fol sparsa, rar oppos, plana, fl sess, rar pedunc, glomerato-spicati.

Sp. A. hortense Lin
— patulum —
— litorale —
— laciniatum —

Polycnemum Lin.

Fl hermaphr, bibracteol; sep 5, basi conn, exappendic; stam 2–5 plroma 3, analo hypog insta; stym 2, basi breviter conn; utricul compr, apice circumscissa ~~basi brevit~~, operculo adn; sem albuminos, verticale, testa crustacea; embr peripher. Hba O (v ♃); ramoserect v prostrat; fol subulat, integrima, mucron; flor axill, solit, bibracteol, bracteol membran.

Sp. P. arvense Lin (In fundo sicco)

68. Polygoneae.

Herbae plrmq ⅌ rar ☉ v frutt, fol saepiss sparsa, integra v variis basi incisa ochreata, stip nempe vaginant praedita; fl plrmq axill rar term, congesti.

Rumex Lin.

Fl hermaphr intrd Ficlia, sep 6, persist, 3 exter, inna basi conv. inter multo majora conniv, stam 6 per paria sepalor exter basi ins; stgmta penicill; caryops trigona sep interioribus accretis valvaeform, saepe dorso calligeris tecta.

Herbae erect, ramos, glbr; rar suffr; fol sparsa, integra, v basi incisa; fl pedicell, verticill; vertic racemosis; racem saepe paniculatis.

Sp. R. palustris Smitt.
— conglomeratus Murray (R. Nemolapathum Ehrh. var. R. crispus Lin)
— Crispus Lin
— aquaticus —
— Acetosa — } vione. Bl.
— Acetosella —

Polygonum Lin.

Perigon ~~Fl~~ 4- v 5 fid, v partit superne coloratus; stam biserial, serici exter 4 v 5 lac perigon alterna, serici inter 3, laciniis intr 3 inter et facibus orar 3goni oppos, intrd sing v omn deficient; orar 3gon stgmta 3 v compr, stgmta 2, stgmtbus basi plus minus conn; caryops perigon persist tecta.

Herbae erect procumb v volubiles, rar suffr, fol sparsa integra ochreata, fl pedicell, bract, axillar solit v fasciculati, fascic saepe spicatim conglom. rar termin corymbosi v paniculati congesti.

Sp. ~~P. Fagopyrum mal ulo rarcolat~~
— bistorta Lin
— viviparum —
— Amphibium —
— lapathifolium —
— persicaria —
— Hydropiper
— minus Hudson
— aviculare Lin.
— Convolvulus —
— Dumetorum —
— Fagopyrum Lin (Fagopyrum esculentum Moench)

69. Thymeleae

(Proteaceae, Paeneaceae, Santalac pr ipr numer.)
Perig lib, color, tubulos, limbo 4. var 5. fid, aestiv imbric; stam defin, fauci v tubo perigon insert, ejusq lacin num dupla, anth biloc, longitudinalites 2-rimos, ovar lib, uniloc, uniovul, ovulo pendulo; styl simpl, stigma simpl, utriculus intrd basi perigon persist carnosa cinct, spurie baccatus, album 0, v parco-carnos; embr rect, radic hilum spectante.
Frutic, rariss herbae 0; fol spars, saepe coriacea integrima, aestiva; fl plurq termin, glomerati.

Daphne Lin.

Perig hypocrat, color, limb 4-fid, decid; stam 8, tubo inserta incl, ovar lib uniloc uniovul, drupa carne molli v coriacea.
Frutt, fol integrim, fl sess, glomer v breviter racemos, intrd praecocib, col var.
Sp. D. Mezereum Lin.

70. Elaeagneae.

Perig lib, intus color 2, 4 fid, aestiv imbric, stam fauci perigon inserta, ejusq lacin num aequ et altrna rar dupla, anth 2loc, birimos; ovar tubo perigon incl, lib, 1 ovulatum, ovulo erecto; styl et stgm simpl, drupa spuria e perigon basi persist carnosa et nuce crustac constans, album carnos, tenerum; embr rect, radic infera.
Arbb, frutt, saepe spinesc, fol aestiv, argenteo v brunneo lepidota, fl saepe 1 sexual

Hippophae.

Fl dioici; masc: perig 2-part, stam 4, femin: perigon tubul, apice bifid, annulo ad faucem 0; ovar tubo perigon incl, lib, 1 ovul, nux crustacea; cal aucto carnoso incl baccaeform.
Frutex v arbuscula ramis spinescent, fol linearib integrim, argent lepidotis fl minuti, subsess, fascicul; baccae flavae, extus lepidotae
Sp. H. rhamnoides Lin.

71. Aristolochieae (Bacineae)

Fl hermaphr, perig basi ovario adn, ind iv et oblique truncat, v 2lab v 3 fid, lacin aestiv valvat, stam defin v lib et apici ovar insert v cum stylo et stigmate conn, ovar 3-6 loc plac central multioval, stgma peltat, embr minim ad basin album, cartilaginei.

Herbae v frutt saepe scandentes, fol sparsa plrmq renif v cordata integra v lobata, integrima estipul, fl axill solit v fascicul.

Asarum Lin

Perig campan, 3 rar 4 fid, coriac persist; stam 12, epig, incl, connectiv in acumen producto; ovar adnatum, styl brevis, stgm 6-nad, lobat; caps coriac, sub 6-locul, indehisc, perig persist, coron; dissep ad axin solut, locul oligosperm.

Herbae repentes, ramosae, ramis abbreviatis, oligophyll, basi squamatis; fol reniform, pedunc 1-flori, inter fol duo termin solit; fl. fusci.

Sp. - A. europaeum Lin.

Aristolochia Lin.

Perig tubulos, limbo lingul v 2lab, decid, stam 6, gynandra, anth 6, sub stgmte adn, apice nudae, ovar adn, stylus brevissim, stgm crassum 6partit; caps 6-locul, septicido 6 valv, polysperma; sem compressa.

Caules herbacei v fruticosi, erecti v scandentes, fol sparsa, integra v lobata, saepe estip, pedicelli axill, 1-multi-flori.

Sp. A. Clematitis (& Aristolochia)

72. Empetreae.

(Int Euphorbiae [illegible])

Fl aborta unisexuales; cal 6-part, aestiv imbric; pet 3, sepal altrna; stam 3 lib; pet altrna, ~~stam~~ cum pet receptac insert, anth longitudin brevius; ovar lib, disco carnoso impos, 3-6-9 locul, locul 1-ovul, ovul descend; styl 1; stgm 3-6-9-radiat; drupa pluriloc; embr in axi album carnosi rect; radic elong, hilum spectante.

Fruticulis ericoidei, fol persist, exstipul, fl axill, solit, minuti.

Empetrum Lin.

Fl diœci, cal 3-partit, pet 3, stam 6, ovar lib in disco carn, styl subo; stgmtb 6-9-radiat; drupa 6-9 sperm.
Fruticuli ramosi, procumb, linear, parva, coriacea, margine revoluta, verticillatim approximata, fl rubelli; drupae nigrae.
Sp. E. nigrum Lin.

73. Euphorbiaceae

v. in Rhamneen pag. mirandi, et un. d. Celastrin et Ampelid.
Fl unisexual; perig dupl, simpl v 0; cal plrmq 4-6fid; corolla 4-6 pet; mas: stam centro flor ins v rudim pistilli, solit v plura; fil lib v varie conn; femina: ovar lib, sess, obstipitatum, 3-local, rariss 2-pluri-loc, loculi circa axin central in orbem dispositis, 1-2-ovul, ovulis pendul, stgmta divis, caps 3cocca, rariss 2cocca, saepe extus carnosa, coccis elastice dehisc; album carnoso oleosum, copiosum; embr rectus, axilis; radic ad hilum versa; cotyl foliac.
Herbae ⊼, ♁, frutt, arbores; lactescentes; fol oppos v saep sparsa, stipul v exstip, intrd minutiss in caule carnoso rami saepe , decidui

Euphorbia Lin

Involucr propr, campan, 9-10 dent, dentes 5 membranac v herbac, 5; v 4-ies altern, extrors versi, disco carnoso nectarifecti; fl masc: 10-20 v plures , basi invol ins, squamis intrd ciliat v laceris falti, nudi monandri; fl femin: solit, in invol, centr, pedicell; cal minimus, subobsolet v obsolet; pist 3loc; styl 3fid v 3part, crur bifid v emargin, caps tricocca, coccis monosperm.
Herbae suffr v frutt, imo arbores lactescentes; fol sparsa v oppos, foliolia semper verticillata, stipulata v exstipul, integerrima v serrulata; invol in ramis floriferis, dichotomis alaria et terminalia, ramis in apice caulis plrmq umbell-congestis.

Sp. E. helioscopa L. — palustris
E. Esula Lin — Cyparissias (?)

Mercurialis Lin.

Fl 2-v 1-oici; cal 3-part; cor 0; mas: stam 9, 12 v ∞; hypog lib; fem: styl brevis; stgmta elongata laciniata; caps 2cocca; cocc monosperm.

Hbae rar suffrut; fol oppos rar sparsa, stipul, integr; fl axill et termin, masculi glomer-spic; femin solit v fascicul

Sp. M. perennis Lin.

74. Urticeae

Fl. monoici, dioici v polygami; perig lib pbrmg 4-partit, rar 3-6 partit v cum flor femin integr, aestivimbric; stam defin, pbrmg 4, fundo perigon insera ejusq lacin oppos; ovar lib 1 locul, uniovul (et i Ulmeae: v biloc, loc 1 ovulat); styli 2 v solit, fr nucamentac, indehisc, embr rect albumin (semper in Urticeis veris) v curvat ant spiral, exalbum (Cannabineae et Ulmeae.

Hbae ⊙, ♃, fruct v arbores; fol oppos v sparsa; stip caducis v persist; fl glomerati racemosi v paniculati, intra receptac incl, virescentes.

(Köu in singuli, embr in 1, 2 Urticeae (embryo rectus)
2) Cannabineae (embr curvatus)
3) Ulmeae ~~Urticeae~~ v. biloc, tns fol pflanz)

Urtica Lin.

Fl 1-v 2oici; mas: cal 4 rar 5 part; stam 4 rar 5; sep oppos, aestiv incurv, sub anthesi elastice desilientia, ovarii rudiment ∞; femina: sep 4, exteriora minora, saepe abortiva; ovar lib, 1-ovul, stgm sess, capitato-penicill; nucula indehisc, 1-sperm; sem erectum, embr rectus

Hbae, rar fruct, pbrmg urentes; fol oppos, v sparsa; stipul; racemi, paniculae, v capit axell; fl minuti, virides, bract.

Sp. U. urens Lin
— dioica —"

Cannabis Lin.

Fl. 2oici; mas: sep 5, lib, stam 5, fundo cal ins, sep oppos, ovar rudiment 0; femin: bract spathaeform, basi ventricos, singulum florem involvens, perig 0; ovar lib, sovat, ovato pendulo, stgmta 2 sess, elong-filiform; nuc bractea persist

incl; pericarp 2-partib, 1-sprm; embr uncinato-curvat.
Alba ○; fol oppos digitatim 3-9 secta, super sparsa, fl
masc axill et termin, racem; fem axill gemini.
Sp. C. sativa (carnivbrs)

Humulus Lin.

Fl dioici; masc panical; sep 5, ima basi conn, stam 5, fau
do cal ins, sep oppos, ovar rudim ○; fl femin arcte spic,
gemini bractea communi magna, foliacea, singula bra-
cteola propria minori suffulta; perig urceol, trancat,
hyalinum; ovar lib 1-ovul, oval pend, stigmta 2, sess, elong-
subul; nuces bract strobilum formant obtectae, monosp;
embr spiralis.
Herb ♃, sinistrorsum volubilis; fol oppos, lobata, su-
btus ~~lanuginosa~~ resinoso punct, stip interpetiolares conn.
Sp. H. Lupulus Lin.

Ulmus Lin

Fl hermaphr, cal turbin-campan, 4-5 rar 6-9 dent,
marcesc; stam 4, 5-12; lacin cal oppos, aestiv recta; ovar
1loc, loc al 1-ovul, ovalis pend; styli 2; semina 1-loc, tesperm
sum pendul, embr rect.
Arbores v frutt; fol sparsa serrata, basi obliqua; stipu-
lae, lib, caducae; fl fascicul, praecoces.
Sp. U. campestris Lin
effusa Willden. (praefigur)

75. Cupuliferae

(Amnes gē dra Amentaceen grüpes)

Fl 1-oici, masc: amentacei, ament cylindr v subglobos, e bract comp;
perigon ○ v 4-6 fid; stam 5-20 et plura, perigonio v bracteae
ins; anth biriment; fl femin: solit o plures, aggreg v spic,
involucrati, perig ovar adn, limbo denticulato, demum saepe
evanido; ovar 2-6loc, loc 1-2ovul, ovulis pend; stigmtbus 2-6, basi
saepe conn, invol post anthesin excrescens; nuces abortu 1-loc,
monospermos obtegens aut fovens, saepe fr spurium referens;
sem exalbmin, embr rect; cotyled crassae, radic hil spectante
Arbores, v frutt; fol sparsa, stip caducae.

Quercus Lin.

Fl. masc: amentae perig sess, 5-9 part, irregul; stam 5-9, hypog, lib; fl. fem: in axill squamae deciduae, invol e bracteol minut dem in cupulam confluentib; perigon ovario arcte adn, limbo minuto, irregulariter 6-10 fid; ovar 3loc, loc biovul; styl crassus, stgmtb 3; glans aborta monosp, basi cupulae obtecta.

Arbb, intra ~~saepe~~ semper virentes; fol sparsa, intgr, sinuata v incisa; fl plrmq coetanei

Sp. Q. sessiliflora Smitt (Ptm) (glandes sess)

— pedunculata Ehrh. (Pfäfiger; ~~gland~~ Q. robur Lin.)

Corylus Lin.

Mas: ament squam obov, supra squamul binis auctis; stam 8, squamae inserta; antb biloc, fil per paria oppos; fl. fem: ament ~~oblong~~ squamis imbric, superior fertilib uniflorib; fl singuli invol campanul, bifid, ~~uniflorib~~ marg irregular dentatis; cal ovar arcte adn, limb obsol dent; ovar beloc, loc 1-ovul; stgmtb 2 elong filif; nuc monosp in invol aucto, marg lacero.

Frutt v arbusculae; fol intgr v sublob; fl praecoces.

Sp. C. avellana Lin.

76. Betulineae

Fl 1-oici, amentacei; amenta e bracteis squamaef, pedicellat formata; mas: perig 3, indiv v 4 partita, pedicello insident; stam 2-4 in quovis perigon; fem: ament e bract sub anthesi sessil format; perig 0, ovar 2-loc, loc 1-ovul, stgm 2, filif, pericarp indehisc compr membranac v subcoriac intrd in ala utrq expans; sem solit pendulum, exalbumin; radic ad hilum versa, cotyl planae.

Arbb v frutt. fol sparsa, stip caducae.

Betula Lin.

Mas: ament squam pedicell 1-floris, lobulis 2 sub apice peltiformi; sep 3, pedicello insid; stam 6 antherar locali filam bifido disjuncti; fem: ament squam orat v oblong, basi cuneatis, deinq 3-lob, decid, 2-3 floris. fl nudi e bract; samara 1loc, 1sperm.

Arbb v frutt, fol sparsa, simpl, penninervia; amenta ma-

scala hibernantia, praecocia, semin caetanea.
Sp. B. alba Lin.
B. pubescens Ehrh.
B. fruticosa Pallas.
B. nana Lin.

Alnus Tournef.

Fl. masc: ament squam pedicell supra 3 flor, lobal 4 ante apic peltiformem praditis; perig 4-fid, regul, stam 4, fil indiv, anth biloc; - fem: squam ovat, biflor, supra squamul 4 instruct, in fructu auctae, ligness, cuneato-obovat, persist, fl nudi, ebract; nux minut, compr, biloc, subs-sperm.
Arbb v frutt; fol integra, rariss lacero-pinnatij, ~~integr~~ ? ament hibern, 3-plura in pedunc communi, masc terminali.
Sp. A. incana DC.
— glutinosa Gaertn. (Betr)

77. Salicineae.

Fl 2-oici, amentac, ament squam format, glandula simpl v dupl v urceol carnos oblig trunc ad basin genitalium, in squamar axillo loco perigon; - mas: stam 2-24 lib v tadelpha, in axillo bracteol v urceolae insert; - fem: ovar lib, 1-loc, multiovul; ovul pend, in placent parietal, binis; styl 1, stgm 2, saepe bifid; caps bivalv, sem num indefin, comos, exalbum; embr rect, radic hil spectans; cotyl planiusc.

Populus. Lin.

Fl 2oici, amentac; squam stipit, plurng ad marg palmato-lacerae; perig 0; - mas: stam 8-30, disco oblique patelliformi carnosa membranac insert; fem: ovar ad basin disco oblique cyathiformi cinct, stipit; styl breviss, v 3-4 distinct; stgm 2.
Arbb; fol integr rar lob; stip caduc; ament saepiss praecoc.
Sp. P. alba Lin
— tremula Lin
— nigra Lin

Salix Lin.

Fl 2-oici, amentac; squam basi unifl integr; perig 0; - mas: stam 2 rar 3, 5 v plura, lib v monadelpha ino synanth, (S. monandra) prope glandul nectariferam unicam v inter dupl ins; fem: ovar stipit v sess ad basin gland nectarif fult, styl 1, intro

breris, stgm 2, intgr v varie bifid, caps 1loc, 2valv, polysperm, sem comata.

Arbb v frutt, nunquam hbae; fol sparsa, intgr; stip lib, persist v decid; ament solit praecoc, rar coetan, rariss serotina.

— Sp. S. limosa Wahlenb (Glaut bepudert) (Sal. arenaria Lin)
— repens (S. rosmarinifolia Lin)
— myrtilloides Lin.
— Starkeana Willd.
— aurita Lin
— Capraea Lin (grm nuzl bert)
— cinerea Lin
— nigricans Fries (blv glatte bld bepudert o)
— stipularis Smith
— vimenalis (gr Slaytenweide gnbr)
— rubra Huds (Hln, & Zweiden) (S. Helix Smith)
— purpurea Lin
— daphnoides Villars
— acutifolia Willd (Grünäpfer Weberzug)
— amygdalina Lin
— alba Lin.
— fragilis Lin.
— pentandra Lin.

78. Myriceae

Fl 1-oici v 2-oici, amentac, sing in axill bract, — mas: stam 2, v plura, lib v 1-delph, perig 0 v squamula solit v gemina minutis format; — fem: perig e squam minimis 2-6; ovar saepe adn compos, ovar 1loc, 1oval, ovulo erecto; stgm 2, elong, subulata; pericarp indehisc, siccum, v squam perigon auct carnos subgrypae, 1sperm, embr rect, invers, radic apicem seminis spectante, a hilo remota.

Frutt v arbusc; fol sparsa, serrata v pinnatifid, stip caduc.

Myrica Lin.

Mas: stam 4-6 basi bract bibracteol ins et approxim v conn; fem: ovar unic v in basi perig e squamul 4 compos adn; stgm 2, fr indehisc, squam perig auct drupasc, 1 sperm.

Frutt v arbusc resinosae.

Sp. M. Gale Lin. (Pfeffe!)

79. Coniferae.

Fl 1-oici v 2-oici, amentac, in axill squam; masc: perig 0, stam 1-5, 1-adelpha, fl saepe superne in disc peltat conn;

inferne anth gerentem; - fem: fl in basi bractearum v in involucri squamaef sess v termin 3 gemini v solit; ovar lib, perig urceolato apice foramine incl; stgm sess minutum, punctiforme v styl filif et stgm simpl (nunqe in Ephedreis) utriculus monosp perig persist nucamentac tect; sem erect, spermodermis tenuis membranacea; album carn, embr invers is centro alb saepe polycotyl.

Frutt v arbb, resinosae, fol plrmq accrosa v squamaef, dense spiral v multiserial v fascic, verticill et oppos; ramii plrmq verticill.

Conspectus generum:

Ovar erecta: — — Taxineae, Cupressineae, Ephedreae
Fl fem solit — — — — Taxus
— — terni — — — — — Juniperus
Ovar (perigon) inversa — Abietineae
Squam coni apice incrass — — Pinus
— — — applanat — — Abies

(Taxus Lin ?)

Juniperus Lin.

Fl 2-oici, masc: amentac anth 4-7, 1-loc, ad marg infer squam brat peltat insertae; - fl fem: terni, termin, invol carnoso 3fid e squam 3 amenti conn formato cincti, lib, erecti; nuces perig persist incl, in invol aucto carnos, baccam spuriam formantem, absconditae.

Arbb v arbuse, fol linear lanceol, rigidis, saepe squamaef imbricata.

Sp. J. communis Lin.

Pinus Lin. Linn

Fl 1-oici; mas: anth 2, 1-loc, bract ament subtus adn; fem: in vol propr in axilla bract, biflor, squamaef, dem area apice incrass umbonata praed; fl inversi, perig initio invol arcte adn et squama propr alaef tect, dem indura t, nucem spariam formans, denq cum ala solutam.

Arbb aut arbuse, fol e squam scarios, marg laceris orta, fascic, acerosa, semper viridia persist.

Sp. P. sylvestris Lin Kiefer, Föhre (fälschl: Tannen)

Abies Lam.

Anth transversum laceratae, squam strobili apice attenuat applan, laeves cum fract ab axi solutae; cetera ut in Pino.

Arbb excelsae, fol acerosa, solit sparsa v distichae persist.

Sp. A. excelsa Lamrk. Tannen, (Grüne Oper.)

B. Monocotyledones.

Fl. saepe numero ternati v compositi, perig simpl plrmq biseri, embr cotyled unica v potius cotyl altera praedit, rad fascicul v bulbosa, v rhizomae; truncus medulla centrali radiisque medullaribus et cortice vero destitut, fibris sparsis, fol plrmq adn, nerv converg, saepiss phyllodia. —

80. Hydrocharideae.

Cal ovar adn herbac 3-sep, cor 3-pet, regul, stam lib 3, et pet altera v petalor num dupl v plura, ovar adn, 1-pluriloc, multiovul, plac parietales v dissepim adn, styli 3 v 6 plrmq 2-fidi; fr indehisc, carnos integpalpos, embr cylindrac vel album 0.

Herbae palustres v aquaticae, florentes emersae; fol v linear saepe spinoso serrata v lamina perforata; fl hermaphr v dioici.

Stratiotes Lin.

Fl 2-oici, sep 3, exter minora, basi breviter conn, 3 inter petaloid, multo majora; — mas: stam ∞, fertil sub 12, exter 20-30 steril; fem: stam omn steril; ovar adn; styli 6 bifidi, bacca hexagona, 6 loc, polysperm.

Herba submersa, acaulis, stolonif, fol radical (confolta, elong, linear, rigida, argute) spinoloso-dent, pedunc ancipites, masc 3-pluriflori, femin 1-flori, spatha diphylla; fl albi.

Sp. St. aloides Lin.

Hydrocharis Lin.

Fl 2-oici, sep 3 basi breviter conn, sep 3 ampliora; — mas: stam 12 per paria ad med conn, 3 ananth; ovar abortiv lib; — fem: stam 6 omn ananth, subul-corniform, geminat, tubercul epigyn interjecta, ovar adn, styli 6, stigm 2-part, bacca 6 loc, polysperm.

Herba natans, fol subrotundo-reniform spathae axill, masc diphyll subtriflor, femin sessil, 1-phyll, 1-flor, flab.

Sp. H. Morsus Ranae Lin.

81. Alismaceae.

Cal lib 3 sep, herbac, cor 3 pet, regul hypog; stam hypog 6 v plura lib, ovar supera 3, 6 v plurima, sing stylo termin, 1-2-ovul, ovulis suturae interiori affix; stgmt simpl, carpella sicca, indehisc, sem exalbum, embr v curvatus.

Hbae palustres, rhizomate praedit, caule nudo, fol basi vaginantia, linearia v lamina praedita fl racemosi, spic v panical, hermaphr v monoici.

Alisma Lin.

Fl hermaphr, cal 3 sep, persist, cor 3-pet, decid; stam 6 lib, ovar 6 v plura, toro disciformi impos, carp 6 v plura, 1 sperm.

Hbae acaules rariss caulesc; fol ovata, cordata, lanceol, v linear; fl verticill-racemosi v panical, albi v rubelli.

Sp. A. plantago Lin.

Sagittaria Lin.

Fl 1-oici; sep 3 persist, pet 3 decid, mas: stam ∞ lib; fem: ovar ∞ in toro hemispher globos congest, monostgla; stgmt obtus, papillos; carp ∞ membran, 1 sperm.

Hbae plrnq acaules; fol sagitt v hastat, submers, linear; scapi multifl; fl pedicell, verticill-racem, infer fem super masc, albi basi purpurasc.

Sp. S. sagittaefolia Lin.

82. Butomeae.

Cal lib 3 sep, subcolor; cor 3 pet, hypog, stam hypog lib defin v indefin; ovar 3 v 6 v plura, lib, sejunct v basi conn, sing stgm termin, multiovul, ovul in placenta ramos totam superficiem interior ovarii occupant; sem exalbum; embr in direct semin.

Hbae aquat rhizom repent, fol gramine v lamina praedit, fl in apice scapi solit v umbell.

Butomus Lin.

Fl hermaphr, sep 6, 3 exteri, calycina, color, 3 inter, petaloidea; stam 9 hypog lib; ovar 6 basi sublib multiov; folliculi 6, coriac, sutura ventrali dehisc, polysperm.

Hbae paludosae, acaules, glbr; fol elong, linear, basi vaginant, scap umbell; fl rosei, pedicelli involucrati.

Sp. B. umbellatus Lin.

83. Juncagineae.

Perig lib 6-phyll calycin caut subcolor; stam hypog 6; ovar 3-6, sing stylo lib v, stgm obliq adn termin, supera, superne distinct et basi tantum conn v unic 3-6 subatam omnino coner; maturitate in carps totis ab axi solut, 1-2-ovul, ovul erect fr sicc, sem exalbum, embr in direct sem, rima laterali instr, plumulam emittente.

Hbae rhizom praedit; scapi aphylli; fol linear; fl spic v racemosi.

Triglochin.

Fl hermaphr sep 6 aequ subcolor decid, 3 inter intro deficient; stam 6, imae basi sepalor insert, filam brevission; ovar 3-6, cohaer, 1-ovul, stgmta plumosa, sess. follic 3-6, axi affixi, dem basi soluti, intrne dehisc, 1-sperm.

Hbae paludosae; caul simpl, scapiform, basi foliat; fl spic, ebract virese.

Sp. T. maritimum Lin (6 carp)
- palustre Lin (3 carp), südfig

Scheuchzeria Lin.

Fl hermaphr, sep 6 inter angustiore subcolor ima basi conn, stam 6 filam elong; ovar 3, vel 4-6, biovul, basi conn, stgm obliq ~~caut~~ adn, papill; caps diverg, infl; ima basi conn, bivalves, 1-2-sperm.

Hba paludosa; rhiz repens; caules foliati; fol semiteretia, apice foveolata, basi canalic, vaginant; fl terminales racem; bract, flave virese.

Sp. Sch. palustris Lin (Ktn)

84. Potamogetoneae.

Perig. lib, 4-part v 0, stam lib. 1, 2 v. 4; ~~ovar 1~~ v plura, disjuncta, 1-ovul; ovulo pendulo, stylo v stigm simpl seu peltato termin; carp indehisc nucament v drupac, sem exalbum; embr curvatus v spiralis, rostello incras, plumula valde efflorata.

Hbae aquat, submers, infloresc emersa; fol basi vaginant gramin v lamina praed; stip membran ochreaef; fl spic v solit sess.

Potamogeton Lin.

Fl hermaphr; perig 4-part, anth 4, sess, basi laciniarum perigon inertae, ovar 4, stylis termin brevib v 0, stgmta integr, obliq, papillosa; drupae 4, compr, monosperm, indehisc.

Hbae caulesc, aquat, submers v natantes; fol sparsa, disticha, summa saepe oppos, rariss omn oppos, stipulata, stip conn, intro cum pe

tiolo in vaginam conn; spic spadicis, peduncul, nud, termin et axill, sub anthesi emersae.

Sp. P. natans Lin.
- rufescens Schrad. (P. obscurus Dec.) } Potamogetones heterophylli
- lucens Lin.
- perfoliatus Lin. } Potam. homophylli
- compressus Lin. } Potam. oxyphylli
- pusillus Lin.
- pectinatus Lin. } Potam. coleophylli.
- marinum Lin.

Zannichellia Lin.

Fl monoic, masc et femin in eadem vagina, nudi; ebract. Mas: stamen solit. Fem: vaginula comman membran, cupulif, oblig truncata; ovar 2 ad 6 v plura, 1-ovul; stygli contin, persist; stgm oblig peltatam; nuc 3, 5 v plura, stipit, monosp.

Herbae aquat, submrs, ramosiss; fol sparsa, angustiss, linear, stip inter se conn, membranac, latae, amplexicaules.

Sp. Z. palustris Lin. (H. Bunge 1 gat.)

85. Najadeae

Fl sexual, perig 0; stam lib, 1-3, filam 0; anth sess, ovar simpl, 1loc, 1ovul, stgm solit, sess, v 2-3 filiformia; pericarp mucament v subdempaceum; sem exalbum; embr recto v arcuato-flexus.

Herbae sub aqua viventes; fol gramin v sinuato-serrata.

Zostera Lin.

Fl monoici, nudi; spatha e folii parte ima, vima longitudinaliter dehisc form; spadix compr-planus, membran, stam ovariaque alternatim gerens, anth peltat, unilocs, pollini filamentoso; ovar 1-loc, 1-ovul; styl contin, persist; stgm 2 capillaria, utriculi membran, 1-sperm, irregulariter rumpentes.

Herbae marinae, caule repente, radicante; fol anguste linearib elong, obtusis integrimis, basi vaginantib.

Sp. Z. marina Lin.

86. Lemnaceae.

Fl monoico, 2 masc et 1 femin ex eadem spatha; spatha 1-phyll, primum clausa, compr, integr v marg crenul; fl masc: 1-andri, nudi alter praecocior, anth didym, biloc, extrors. Fem: ovar sess, lib, 1loc, 1oval, ovul erect; styl brevis, stgm obtusum, concav; utriculus 1-2-7sperm, sem exalbum, embr breviter arcuat, invers; radicula supera.

Herbae parvulae, acaules, lib natantes; caul in formam folii dilatatus (frond nomin), articul; fol plura, alterum ex altero egrediens; simulans, subtus radicellas simpl, apice calyptratas emittens; flor in fissura marginali frondis sess.

Lemna Lin.

Fl monoici, masc 2 et femin solit, ex eadem spatha; spatha 1-phyllu, primum clausa, compr, integr v marg crenulata. Fl. masc: monandri, nudi, alter altero praecocior; anth didym, 2loc, extrorsae. Femin: ovar sess, lib, 1-local, 1-7ovul, ovaly erect, styl brevis, stgm obtus v infund-concav;

utric 1-v 2-7 sperm; sem exalb; album farinac, embr rect, ind iv, radicula inf v laterali.
Herbae parvul, acaul lib natant, rariss submers; caul in form folii dilat (frond) articulat, plura fol alterum ex altero egredientia simulans, subtus radices simpl, apice calyptratas, emittens; fl in fissura marginali frondis (spathae) sess.

Sp. L. trisulca Lin
→ polyrhiza Lin
→ monorh Lin
→ gibba Lin (saepiss sp. nov)

87. Typhaceae.

(Hs d Pandaneae, cfr Fam d Cyclolobeen, ~~[illegible]~~ cfr Fam d Palmen [illegible])

H. monoici in spadices densissimos cylindricos v globos congesti; spadices superior masc, inferior femin; perig e squam v setis 3 v plurib format. Mas: stam 3 v 2-4, lib v conn seu potius anth 2 v plures filam simpl insid. Fem: ovar lib 1-ovul, ovulo pend; styl simpl; stgm simpl; peric indhsc, siccum; embr rect, ~~[illegible]~~ in centro album.
Herbae palustr, simpl v rar ramosae, fol linear, basi vaginantia.

Typha Lin

Spad cylindr, infer femin, super masc. Mas: stam fertil, gemin v quaterna, filam conn, setis crebrioribus (nempe stam sterilib) apice dilat et multifidis cincta. Fem: ovar basi setis cinct, dein longe stipit, styl elong, capillaris, stigma linguiforme dilatatum; utricul 1 sperm, stylo persist coronatus.
Herbae palud, erect, rad repente, caul teres, simpl, e nodis foliat; fol linear, basi vaginant, spadices caulem terminantes, cylindrae, femin fol caduco, masc spatha decid suffultus.
Sp. T. latifolia Lin.

Sparganium Lin.

Spad plur globosi, inf femin, super masc. Mas: stam fertil singula, plurib steril filif apice membran-dilat, integr v 2-fid cinct. Fem: ovar sess, setis cinct; styl brev, stgm dilat; drupa sicca monosp, sess.
Herba palud v stagnat, erect v natant, caul foliat, simpl v ramos; fol sparsa, sess, linear v basi triquetra, basi vaginant.

Sp. Sp. ramosum Huds. (Sp. ~~simplex~~ erectum Lin.)
→ simplex Huds (Sp. erectum β Lin)
→ natans Lin.

88. Aroideae.

Spad carnos, simpl, totus v ex parte florib tect, 1-sexual nudis v permaphr, perig 4-6phyllo instructis, stam in unisexualib sabeus v ovariis intermixta v supra ovar collocata, in hermaphr spe-

rigonii squamis oppos, filam praedit; ovar lib, 1-3loc, multiovul, styl 1 v stgm sess; pericarp indehisc, siccum v baccat, sem solit v plura, album; embr in axi album rect, teres, rima longitud instr.

Herbae varius arboresc, rhizom tuberoso v repente; fol varia, saepe partit, pedata, peltata, rarius gramin; spadices spatha saepe color, ampla inclusi.

Calla Lin.

Spatha explanata, remota, persist; spad cylindr, undiq pistill permultis et staminib crebrioribus inordinate tect; squam intercedentib o. Mas: stam 1, filam lineari-complan; anth didyma. Hem: ovar sess, 1-loc, 6-8ovul; stgm sess, orbical; bacca 1loc, 3-4sperm.

Herba palud, acris, rhizom repente, geniculato, fol cord, cuspidata, petiol; petioli infrne vagin, vagina suprne lib; scapi axill; spatha extus viridis, intus alba; bacc rubr.

Sp. C. palustris Lin.

Acorus Lin.

~~Scap~~ Spatha scapum continuans foliform; spadix cylindrac, undiq florib hermaphr obtect, sep 6, persist; stam 6, hypog, filam linearib complan; anth renif, 1loc; ovar trigon, 3loc, locul pluriovul; stgm sess, obtus; caps 3loc, indehisc, subcarnos, oligosperm.

Herbae palustr aromatic, rhizom horizont, repent, annul; fol districha, linear, basi equitant; scap compr; angulus exteriore acuto, inter obtusb et canaliculato.

Sp. A. Calamus Lin.

89. Orchideae.

(A v Heiden zuerst wurde, dann ofrn 1 f v Dryomyrphiz d'sor, Hyl, v Musac, der Grzza v Apostasieen ....

Perigon adn petaloid 6partit, vireq, lacin 3 exter et 2 inter, lab super s galea, tertia forma et saepe directione diversa: lab inferius v labellum referentes; stam 3 ovar insita, filam cum stylo in gynostaemium conn, 2 later steril, fertile v rar 2 later fertil, tunc intermed sterili; anth bilocc, locul saepe 2-4locellatis, discreti et stylo adn v coaliti et tunc v immobiles et persist, v mobiles, decid; pollen in massas granulosas v ceraceas, pedicellatas, conglobatum, polliniis v solubilib v per fila elastice cohaerentib. Stgm: in anteriore et super gynostaemii parte area viscosa, rostello termin; ovar adn, 1loc, multiovul, plac. parietalib; caps rimis 3 longitudin dhisc, polysperm; sem minutiss, scobif; embr ad basin album carn.

Herbae terrestres, parasit v pseudo-parasit; radicib saepe tuberos v fascic; fol vaginantia v amplexicaul, intrd in

in squam decolores mutata; ff saepe spic. racemosi, bracteati, discolores, picti, plrmq punic.

Conspect. generum:

I. Fl. monandri.

A) Anth cum columna continua
a) Labellum calcaratum:
1) bursicula ad basin loculorum anth. — Orchis
2) bursic. ad bas. locul. anth 0
α) labell 3 fid
β) labell integr — Gymnadenia
b) Labellum ecalcar. — Platanthera
1) bursic ad bas loc anth
2) bursic ad bas loc anth 0 — Ophrys
B. Anth distincta. — Herminium
a) pollen granulos
1) labell interrupt
α) gynaest elong, ovar contort — Cephalanthera
β) gynaest abbrev, ovar rect (atten in stipit cont) — Epipactis
2) labell contin
1) labell bifid
αα) gynaest brevis, cucullato-producta — Listera
ββ) gynaest elong, postice nudum — Neottia
β) labell integr — Goodyera
b) pollen ceraceum
1) labell ecalcaratum — Malaxis
2) labell calcare brevi adnato — Corallorhiza
II. Fl. diandri — Cypripedium

1) Ophrydeae. Pollinia lobulata, elast cohaer, anth tota adn.

Orchis Lin.

Perig ring, lacin suprema cum binis interior in galeam conniv; labell patens, gynostaemio brevi ad antheram aequ adnatam, aestiv erectam, 3-div sstus postice calcaratum; anth tota adn, loculi parall, inferne accumb, cum interjecto processu rostelli; basi bursic comm. conjuncti; pollinia 2, granulosa, lobulata; ovar contortum. Herbae terrestr, radices 2-tuberiformes, rariss fascical; caul simpl, foliat; fol subsucculenta, ff sess, spic, bract.

Sp. O. militaris Lin
— ustulata —
— maculata —
— latifolia —
— angustifolia var. praeced sp.
} Tubera indiv, bract ~~indivis~~ uninerv.
— palmata, bract plurinerv, saepe retiulat venosae.

Anacamptis Richard.

Glandulae pedicellarum in unum conn, cetera ut in Orchide.

Sp. Anacamptis pyramidalis Rich. (Orchis pyramid. Lin)

Gymnadenia R. Br.

Bursicula ad labii loculorum anth 0, cetera et habitus Orchidis.

Sp. G. conopsea R. Br. (Orchis conopsea Lin.)

Platanthera Rich.

Perig ring, lacin suprem in galeam conniv, labell patens, gynostem brevi basi adn, elong, lineare, indiv, calcarat; anth tota adn, basi rostello plano, adn, introt; bursic distincta, loculi parall, distant; pollin 2, granul, gland disciform nud, laterali affixa; staminodia perspicua, ovarium contortum.

Hbae terrestr, glbr; caul basi 2-fol; fl sess, laxe spic, bracteati.

Sp. Pl. bifolia Rich (Orchis bifolia Lin.)

Ophrys Lin

Perig patens; labell patens, ecalcar; gynost ad anth usq adn, anth tota adn; loculi parall, basi disjuncta, rostll 0; pollin lobul, pedicell, glanda quaeque bursic propr incl; ovar non contort.

Hbae terrestr, radic globoso-2-tuberis, caul simpl, foliat; fl pauci in racemo laxo, varie picti, insectae aemulantes.

Sp. O. myodes Swartz (O. muscifera Huds. O. insectifera, 2 myodes Lin.)

Herminium R. Br.

Perig campanul; lacin labilq erect, labll basi sacc-gibb, obtuse carinat, ecalcar; bursic ad basin locul anth 0, cetera Orchidis.

Hbae terrestr, glbr; rad bituberosa, tubero altero juniore remoto; caul basi 2-fol; flor dense spicati, bract, parvi, obtusi; lacin perigon interior slob, lobo med elong, labell profunde 3fid, lacin lateralib hastato-patentib.

Sp. H. Monorchis R. Br. (Ophrys Monorchis Lin.)

II.) Limodoreae. Anth lib; pollin lobul, elast cohaer vel granul, gland nudae, saepe basi adhaerentia.

Cephalanthera Rich.

Perig lacin erect, subconniv; labell ecalcar, genicul, articulo infer (hypochilio Rich) saccato, concavo; superiore (epichilio Rich) lamelloso; gynost elong; anth termin, lib; loculi contig, parall, staminod clavul, ovar contort.

Hbae sylvicolae, terrestr, radic fibros; caul foliat; fol membranac, nervosa; fl subsess, laxe spic, bracteati.

Sp. C. ensifolia Rich (Serapias ensifolia Schmidt, grandiflora Lin.)

Epipactis Rich.

Perig campan-patul; labell et anth ut in Cephalanthera; gynost abbrev; ovar non contort, attenuat in stipit contort.

Albae terrestr, rhizoma repens; caul simpl, foliat, fol nervosa, membran; fl pedicell, laxe racemosi, bract, virescent v colorati, puberuli.

Sp. E. latifolia Willdn.
varietas α, viridiflora.
E. palustris Krantz. β, atro-rubens.

Listera R. Br.

Perig ring, lacin in galeam conniv, labell ecalcar, sessil, apice 2-fid, gynost breviss, postice termin, process ovato v. 2-dent, in cujus basi v apice anth inserta est; anth lib, sess, persist, locul contig, parall; pollin granul, rostll lanceol, lamella integra, ovar non contort.

Albae terrestr, radic fibr fascicul; caul bifol; fol sessil, late, oppos crassiusc; fl pedicell, racemosi, bract, virides.

Sp. L. ovata R. Br. (Ophrys ovata Lin)

Neottia ~~Lin~~.

Perig ringns, campan subgaleat, labell ecalcar, porrect, basi concav, apice 2-fid, excav, anth termin, lib, sess, margini posteriori gynost subelong insert persist locul contig; pollin granulosa, rostell lamell, linguaef, integr; staminodia 0; ovar non contort.

Alba in radice parasit, pallide fuscescens; rad fascicul fibris carnintricatis; caul aphyll, bract; fl pedicell, racem, bracteati.

Sp. N. nidus avis Rich. (Ophrys Nidus avis Lin
Epipactis Willdn.)

Goodyera R. Br.

Perig in apice ovarii cernuum, ring; labell ecalcar, incl, infra saccato-gibbum, supra recurvum. Gynost abbrev; anth lib supra rostellum insita, stipit persist, locul contiguis; pollin granulosa, rostellum lamellatum, bifid, staminodia 0; ovar non contort.

Albae terrestr, repent; caul infra foliat, fol membranac v crassiusc; fl breviter pedicell, spicati; bract.

Sp. G. repens R. Br. (Neottia repens Lin) & Nu-Kustig

III.) Malaxidineae. Anth lib; pollin ceracea.

Corallorhiza Haller. R. Br.

Perig ring, labell basi cum lacin perigon lateralib conjunct et calcar breve ibid adn referens; anth lib, loc bilocellat (androdynium quadrilocell Rich.) terminal decid; pollin 4 duo in quolibet localo, denique ceracea, sub anthesi glandulae communi adglutinata, ovar non contortum.

Albae terrestr. (verisimill parasiticae), radice ramosa, dent, corall

loidea; caul simpl, vaginati; aphyll; fl breviter pedicell, spic, pedicellis leviter tortis, basi 1-bract.
Sp. Cor. innata Pr. Br. (C. intacta al.) —

Malaxis Swartz.

Perig patentiss; labell postic, integr, basi cucullat; gynost brevis, amplectens, ecalcar; anth termin lib, sess, persist, locul distinct; pollin 2 in quolibet loculo, compr, ceraceo-solida, rostell laminatum, anth adaequans; ovar non contort.
Hbae paludos, glbr; caul simpl, 1-phyll v plurifol basi bulbos, fl racem, minuti, viridi, luteisc.
Sp. M. monophyllus Swartz (Ophrys monophyllus Lin)

IV.) Cypripediae. Fl. diandri, anth 2.

Cypripedium Lin

Perig patens; labell ventricos, inflat, calceoliforme; gynost brevissc, apice 3-fid, lob lateralib antherifer, medio maximo clypeato, sterili; pollinia granul, dem ceracea; rostell c, ovarium non contort.
Hbae trstr, rad fibros, caul foliosi; fl termin solit v. geminati, speciosi, varie picti.
Sp. Cypr. calceolus Lin.

90. Irideae.

Perig basi ovar adn, petaloid 6-partit, stam 3, basi segmentac, exterior perig insert; anth extrorsum dehisc; ovar sloc multiovul, ovul biserial, plac centralib stigmata 3, simpl, v laciniata v petaloid; caps loculicide 3-valv, valvis septiferis; embr album incl.
Hb radicib tuberos v bulbos v rhizom dichot ramoso, caul simpl v ramosi v subnulli (Crocus); fol ensif v linear; fl spathis instr, plrmq speciosi.

Gladiolus Lin.

Perig corollin, basi tubulos, limbo profunde 6-partit, irregul subbilabiat; stam 3, tubo inserta, lacin perig exteriorib antepos; filam filif, ovar adn, styl filif, stigm ~~adn~~ 3, sursum dilat; caps 3-loc, 3-valvis; sem ∞, membran-margin, radix bulboso-tuberosa; caul simpl; fol iridea, basi equitantia, districha; fl in spica simpl secundi, saepius nutant; spatha e bract binis persistent instr.
Sp. Gl. imbricatus Lin. (Pr. Pernau) —

Iris. Lin.

Perig corollin, basi tubulos, limbo 6-partit, lacin 3 alternexteriorib reflexis

3 interiorib erect v conniv, plrmq minorib, stam 3, facin exteriorib basi inserta, filam filif, v subulata, ovar adn, styl 3-quetor, stgm 3, petaloid, bilab, lab superiore majore, bifido, caps 3- vel hexagona, 3loc, 3valv, polysperm.

Herbae perenn, rhizom tuberoso repente, rariss bulboso; caul simplex v ramos, intrd subo; fol iridea, ensif, equitant, v lineari intrd 4-gon, disticha; fl speciosi, termin, solit v cyma contracta subapice spathis 1-2-plurifloris.

Sp. P. Paris Lin
– sibirica Lin. (Schneehoff)

91. Asparageae seu Smilaceae.

Perig lib, petaloid, bifid, v 6-phyll, v 4-8 partit; stam tot quot perig lacin, receptac v perig insert; anth intrors; ovar lib, 3loc, loc 1-pluri-ovul, ovul angulo centr affix; styl unicus v 3, rariss 4 (Paris); fruct bacc, indhsc, 3-rariss 4-loc, intrd aborta 1loc, loc poly-v- mono-sperm; embr album incl.

Herbae v frutt volubil v arbores (Dracaena); radic saepius fibrosae v rhizoma repens; fol sess v amplexic sparsa v subverticill intrd cirrhosa; fl quandoq aborta 1-sexual.

Paris Lin.

Perig horizontaliter patens, ad bas usq 8-(10-) partit, lacin 4(5) exteriorib calycem 4-(5-), interiorib angustior corroll referentib, intrd; stam 8, anth in med filam adn; styli 4 stigmata simpl; bacca 4-locul; loc 4-8 sperm.

Herba rhizom repente, horizont, caul simplicis, apice verticillatra- v octo- phyll; fol sess v petiol, lata, membranac, subreticulato-rinervia; flos termin subsolit, pedunculat.

Sp. P. 4-folia Lin.

Convallaria Lin.

Perig corollin, campanut, subalos, 6 fid v 6 dent, regulare, marcesc, vem decid; stam 6, perigon insta, incl; filam filif; ovar 3loc, loc subbiovul (3-7 ovul. Runth); styl simpl, stgm obtus, 3gon; bacca globosa, 3-v aborta 2-1-locul; loc 1-2-sperm; sem hilo magno notata.

Herbae acaules v saepius caulesc, rhizom horizontal repent; caul simpl, foliat; fol sparsa, rar verticill v oppos, membran nervosa, intrd cirrhos; pedunc axill 1-2-v racemoso pluriflor v scapus radical nud racem multiflor, pedicelli basi bract; fl albi v rariss rosei.

Sp. C. majalis Lin
– Polygonatum Lin (Polygonatum vulgare Rivoulé)
– multiflora Lin

Smilacina Desfont.

Perig corollin, 4 v 6 sep, regul, patentiss v reflex, decid; stam 4 v 6, sepalorum basi insert; filam filif; ovar lib, 2-3loc, loc 2-ovul; styl brevis; stigm obtus, obsolete 2-3-lob; bacc globos 1-2-3-sperm; sem glob, albid, pilo magno fusco.

Herbae rhizom tenui, ramoso, fibrilloso, repent; caul simpl foliatus, fol sparsa, lata, membranac, nervosa; flor in apice caul racemosi, v paniculat, parvi, albi.

Sp. Sm. bifolia Desfont. (Convallaria bifolia ~~Lin~~ Pal. & Koch
Majanthemum bifolium ~~Wiggers~~
Convallaria w Wiggers)

92. Liliaceae (seu Tulipaceae.)

Perig lib, petaloid, 6 fid, v 6-phyll; stam 6, receptac v perigon insert, anth intrors; ovar lib 3loc, loc multiovul, ovul biseriat, angulo centr affix; styl simpl; stigm 3 autpt triquetr conn, caps loculicide 3-valv, valvis medii septigeris, embr album inclusus.

Herbae radicib saepe bulbosis, acaules v caulesc, rar arboresc, fol plerq linear, flor saepe speciosi, magni, ramosi, in umbell congesti v solit, bract, v ebract.

Lilium Lin.

Perig corollin, 6 sepal, regul, decid, campanul v revolut, sep bas versus intus sulco mellifero, canaliculat v tubuloso-clauso instr; stam 6, basi petalorum adhaer; filam subul ovar 6-sulcat, 3loc, loc pluriovul; styl simpl, clavatus; stigm apice 3-lob, caps 3loc, loculicide trivalvis, polysperma; sem plana horizontal, 2-serial, testa spongiosa, bulbus squamos, caul saepe bulbif; simpl, foliat, fol sparsis v verticill, apice 1-multi-flor, florib umbell, corymbos v racemos, erectis v cernuis.

Sp. L. Martagon Lin (b Kokenhusen, ff d Fof. Oesel.)

93. Asphodeleae

Allium Lin.

Perig corollin, 6 sep, sep subaequ; patentib v campan-conic, basi plus minus conn; stam 6, basi sepal insert, lib v monadelpha, anth incumb; ovar lib, 3 locul, loc 2-v pluri; rariss 1-ovul; styl filif, erect, stgm simpl; integr; caps membran, 3 locul, loculicido-3 valvis; sem angulata, integumento (seu testa) membranac, atro.-

Herbae saepiss bulbos, olid, saepe glaberr, caul simpl, foliat, v nud, scapif, solid v fistulos; fol cava v solid, plana, semiteretia, teretia v angul, fl umbell-congesti; umbella spatha 1-2-valvi, membran. cuct, intro bulbif, pedicelli basi bractol; fl carnei, albi, flavi, rariss coerulei.

Sp. A. ursinum Lin
— vineale (s. arenarium) Lin
— carinatum Lin. Smidt.

Gagea Salisbury. (Ornithogalum Lin.)

Perig corollin, 6 sep, persist, sep subaequ patulis, stam 6, sepal imae basi insert, filam subul, basi haud dilat; anth erect, ovar lib 3 loc, styl indiv; stgm 3-gon; caps membran, 3 loc, loculicido 3 valv; sem in locul pauca subglobos, fusc-fusca.

Herbae bulbif, caul simpl & scapif, apice foliati, corymboso-pluriflori, rarius 1-flori; fol caulina pedunculos fulcientia; flor flavi, stria dorsali viridi in sepalo.

Sp. G. spathacea Schultes (Ornith minimum L. & Innenpos. minimum var β, Stahlin)

radix e bulbis duobus — G. minima Schult. (Ornith minimum Lin — Sternbergii Hoppe — gracile Hagen)

G. lutea Schult (Ornith luteum β L. Ornith sylvaticum Pers — Personii Hoppe.)

G. pusilla Schult. & Dorpat. —)

94. Colchicaceae

Perig lib, bifid, 6 phyll; stam 6, recept v perig insert, anth extrors; ovar e carpell 3 v omnino conn, gamostylis v basi tantum cohaer, styl v stgmtib 3, pluriovul, ovul angulo antic affix; follic 3 v caps 3 locul, septicide 3 valv et sutura ventrali dehisc; sem albumin.

Herbae bulbos, acaul v radice fibros caulesc, ramos; fol varia; flor solit v congesti v spicati v panicul-racemosi

Tofieldia Huds.

Perig 6-sep, regul, corollin, persist; stam 6, basi sepal insert; filam subul, anth dorso affix, cordat, 2 rimos; ovar 3, intus basi conn, multiovul; styli 3, distinct, subulati; stgmta simpl; caps 3, angul, ventral ultra med conn, intrors apice dehisc, poly-

sperma; sem oblonga, subquadrangul.
Albae caespit, ♃; radic fibros, fibr crassiusc; caul simpl, foliat; fol irideo-gramin, equitantia; fl spic-racemosi, termin; pedicell brevib basi 1-var-3-bract (bracteol) 3 conn sub flore, var 0.
Sp. J. calyculata Wahlenb. (In paludis.)

95. Juncaceae.

Perig lib 6phyll glumaceum; stam 6, rar 3, sep oppos; filam subul, stricta; anth biloc; ovar simpl; styl 1; stgm 3, filiform, pilosa; caps polysp, 3valv, valvis medio septifer v 3sperm, valv septo destitutis; embr in albam carnoso.
Albae ♃ v ⊙; fol gramin v teretia, subal, intrd spurie articul; flor in anthelam congesti.

Juncus Lin. DC.

Perig 6-sep, regul, persist, glumac; stam 6, rar 3; filam brevia, lib; ovar 3loc, loc multiovul; styl 1, saepe breviss; stgmta 3 filiform; caps 3loc, loculicid, 3valv, valv medio septifer, polysperm.
Albae caespit, ♃ v ⊙, paludos v hygrophilae; calmi simpl, rariss ramosi, aphylli v foliati; fol basi vaginata, saepiss teretia v canalicul, rariss plana, gramin; inflorescc cymosa; fl basi bibract, solit fascicul-congesti v capitati.

Sp. J. conglomeratus Lin
J. effusus Lin
J. balticus Willd
J. filiformis Lin (Rumpf)
J. obtusiflorus Ehrh
J. sylvaticus Reichrdt
J. fusco-ater Schrad (alpinus Villars
J. supinus Mönch (verticillatus Pasum) (nodulosus Wahlb) Ehrhart.
J. squarrosus Lin (et grossi Hofmann's)
J. Gerardi Loisleur (balticus Wahlb)
J. bulbosus Lin (compressus Jacq) Rumpf.
J. Buffonius Lin

Luzula DC. (Juncus).

Perig 6-sep regul, persist, glumaceum; stam 6, filam brevia, lib; ovar 1-locul, loc multiovul; styl 1, stgmta 3, filiform; caps 1loc, 3-valv, valvulis septo destitutis, 3sperma; semina basi v apice appendiculata.
Albae caespit; caul foliati; fol gramin, basi vaginant, vagina integr; inflorescc cymosa seu anthela; fl basi 2-4-bracteol, solit v spicato-congesti.

Sp. L. vernalis DC (J. pilosa Willd Juncus pilosus α, Lin J. vernalis Ehrh)
L. campestris DC. (Juncus campestris Lin)

96. Cyperaceae

Fl glumacei hermaphr v diclines, in spiculas dispos; glume 1-valv v 2-valv et tunc interior v rhachi adn (Cyperus) v in urceolum transform, perigon dict; perig 0 v e setis 6 v paucioribus v pluribus constans; stam 3; anth apice integr (rar stam 2); ovar lib; styl simpl; stgm 2 v 3, caryopsis 3angul, v compressa, nuda, v setis cinct v perigyn auctr incl; embr minimus, in album farinac.

Herbae saepe caespit. fol gramin v, vaginant; vagin integr, saepe ligula auct; spicul v in anthelam congest v racemos; intrd 1-sexual.

Conspectus generum

I. Fl. hermaphr.

A. Spiculae multiflorae

1) squamae distichae — — — — — Cyperus

2) — — undiq imbricatae

a) setae hypog rigid, breves

α) caryopsis basi styli incrass rostrata — Eleocharis

β) caryops. mucronata — — — Scirpus

b) setae hypog ∞, capillares — — — Eriophorum

c) setae 0 — — — — Isolepis

B. Spicul pauciflor

1) Squamae undiq imbric

a) caryops setis destitata — — — Cadium

b.) caryops setis cincta

α) basi styli rostrata — — — Rhynchospora

β) basi styli mucronata — — — Blysmus

2) Squamae distichae — — — Chaetospora

II. Fl. diclines — — — — Carex

97. Gramineae

Fl glumac, hermaphr v uniserual, in spiculas 1-multiflor dispos. Gluma infima vacua bivalv, valv distinct, rar 1-valv v deficiens (Calyx L.). Glumae sequentes (Glumellae) bivalves valvulis (paleis) exteriori aequ, interiori quasi e binis conn, nec hyalina. Squamulae 2-3 intra glumellam (Lodiculae). Stam 3, squamulis alternis, rar 6 v abortu 2-1, hypog. ad thl basi et apice emargin. Ovar lib; styli 2 v 1, stigmatt 2. Caryopsis. Album farinac. Embr extra album ad bas ejus situs.

Prad fibros v repens. Culmus hodosus. Fol pasi in vaginam fissam convoluta, vagina apice intus ligula instr, linearia.

Conspectus generum:

I. Inflorese paniculata, rariss spicata, spicis fascicul v paniculat

A. Spiculae uniflor.

1) Pedicellus flor alterius stiliformis, plumos.

a. Palea inferior dorso aristata — — Calamagrostis

b. — — — sub apice macronat v aristata — Ammophila (Subgen. Deyeuxia)

2) Pedicell flor alterius 0 v minutus, glabratus.

a. Vel. 1-paleae (Panicula spicaeformis) — — Alopecurus

b. — bi-paleae

2) Panicula spicaef.

a. rudim fl inferioris solitaris binorumve — Phalaris

b. — — — — — 0 — — — Phleum

β. Panicula diffusa
a. Paleae subcoriac, infer superiorem amplectens — Milium
b. Paleae membran, liber.
aa. Fl basi pilis longis cinctus — Calamagrostis
bb. — —, brevis fultus
αα) Valva infer longior — Agrostis
ββ) — — minor — Apera

B. Spiculae sesquiflorae, fl alter hermaphr, alt sexual v neuter.
1) Fl infer hermaphr — Holcus
2) — super —,
a) uterque muticus
α) Spicul setis involucr — Setaria
β) — — destitutae — Panicum
b) uterque aristatus — Arrhenaterum

C. Spicul triflor, fl terminal hermaphr
1) Fl infer bipaleae masculi — Hierochloa
2) —, —, unipaleae neutri — Anthoxanthum

D. Spiculae constanter biflor, flore utroq hermaphr.
1) Arista paleae inferioris articulata, apice clavulata — Corynephorus
2) — —, — —, contin apice alter. — Aira

E. Spiculae 3-multi-flor, fl summ v plurib tabescentib.
1) Paleae inferior muticae
a) Fl infer masc, reliqui hermaphr — Phragmites
b) Fl 1-2 hermaphr, reliqui tabesc, clavato-confert. — Melica
c) Fl omnes hermaphr, unico termin tabescente.
α) Palea infer apice integr
aa. stigmta simpl
aaa. palea infer semiteretiusc
αα. Fl. conici acuti — Molinia
ββ. Fl. semicylindrici obtusi — Glyceria
bb. Palea infer dorso carinata — Poa
b. stigmta ramosa — Briza
β) Palea infer apice trident — Triodia
2) Pal inferiores aritatae
a) Arista tortilis — Avena
b) —, stricta
α) ovarium glabrum
aa. spicul pectiniformes steril hermaphroditis intermixtae — Cynosurus
bb. spicul pectinif steril 0
αα) spicul glomer confertae unilateral — Dactylis
ββ) spicul subspicatae
aaa. stigmta filiform sa apice floris egredientia — Festeria
bbb. stigmta plumosa ad latera flor. egred. — Koeleria

γγ. spiculae segregatae — Festuca
β) ovarium apice villosum — Bromus

II. Inflorescentia spicata, spica solitaria.
A. Spiculae 2-multiflorae.
1) solitariae
a) rhachi contrariae — Lolium
b) rhachi parallelae — Triticum
2) geminae v quaternae — Elymus
B. Spiculae uniflorae — Nardus

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II. Monocotyledones.