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THE GIFT OF

R B
Kennedy
10
Majorca

2-4-30 1 Cistus albidus L. Bon 35, B21.
Kn. II 193. Collected by Mr. Nesson
on "rough road" bet. Genova y Cas Catala.
Fl. bright purplish rose. Petals 1 in. 3/4 in.
Daisy-styled, on long stalks, ovary silky hairy
on outside. Sepals 5, the 2 inner somewhat
smaller. St. 1, 2 to 3 sepals densely starry mealy.

3-4-30 Helianthemum Fumana Mill. Kn. II
263 = Fumana Spachii Mill., Bar. 51 and Bon 36
Road bet. Genova y Cas Catala. See 5-7-30; 3-30-30.

3-4-30 Antichinus Uromikia L. Kn. II 384
Cas Catala. Very silky hairy. 5-24-30; 4-10-30

2-4-30 Antichinus Majusal. Bar. 337, Bon 332
S. cult. & int. L. with above. 2 in. or more
Shorts often in 3's. Seeds black & very rough. 4-10-30

3-4-30 Aster longibracteata, Reicht. Kn.
I 412, Bar. 456 = Delius — Bon Bon 311.
Questionable because recorded as in "East Side"
Road bet. Chapel (below Sénora) and Cas Catala. Fr. 12 in high. S. invol. outer, yellow (3) x 4 to 5 in. x 1½ in. upper (5th) flat like Reemere. ½ in long, dense. Petals bract to ½ in, exceeding fl. Sepals 5, petals separate, greenish with purple spots. Lips more than 3 in long, 3 lobed with central lobed divided center. Light marked with purple, edges ruffled, prominent purple. Candica emitt in one gland concealed in a pouch below which is the noticeable purple stigmatic cavity. Above pouch is a small protrusion. Petals in grain like formation. Lip has short, blunt, central spur ½ in to 2½ in long as ovary. (see 2-24-30)

3-4-30 Centaurea aspera L. KnH 496, Bet 268, Bon 179, Riviera Nature Notes 36 ill. Fr. 2½ ft., Bet Sénora v Cas Catala. Low clumpy growth very common. Low ground crested square shaped galli. See R. N. V. (see 3-4-30) See B M P in chief of genus. P x L.

3-4-30 Pistacia Lentiscus L. KnH 167, Bet 100, Bon 65, Riviera Nature Notes 36 ill. Fr. 4½ ft., Bet Sénora v Cas Catala. Low clumpy growth very common. Low ground crested square shaped galli. See R. N. V. (see 3-4-30) See B M P in chief of genus. P x L.

2-4-30 Anacelia armata L. KnH 267 Bet 305, Sénora v Cas Catala, Blue. (see 3-14-30 blue. 3-30-30 red
2-4-30 Territorium — Set Genova V
Cas Catala. Upper part 8 feet past rotten
T. Capitatum. Bar 375. Bar 257 since
calyx lobes are blunt & staminens (at least some-
times) "roulant sur elles-memes" after flower-
ing. But not. Kn. 10 314 - 316 seems to consider
this as form B T. Polium. Fl. rose-purplish same
shade as Cistus albidus.

2-4-30 Erica multiflora L. Kn. II 259. Bar. 298
Bar 262. Young fr but fl. parts remaining. Set.
Genova v Cas Catala. (See 3-14-30)

2-4-30 Lepidium graminifolium L. Kn. II 19, Bar. 411,
Bar 33 Flo fr. near Genova.

2-4-30 Geranium molle L. Kn. II 137, Bar 87
Bar 57 BUH 95 (ill) Near Genova (measures from
stem terminal) 10. round, petals notched. (See 2-3-39)

2-4-30 Erodium malacoides L. Kn. II 139 Bar 83
E. — Wild Bar 88. Bar 58 Near above L. vertical
petals entire
2-4-30 Erodium moschatum L Her Knit 131
Bar 84, Ben 57, Bun 77 (ill) Near above. If definitely
pinnate. Note, crenate-nerved because filaments
not ciliate (Bon) v. If like ill deeds (Bon). But no odor.

Lavandula dentata L Knit 320 Bar 353
Villelides ext. Girona v Cas Catala Common. Upper

top to A Calyx erect like. Involv V Simp. imperfect

Stamen in flore (Stamen very short in
cellule. Not noticeably "appuyée sur la base inferieure"
(Bo), perhaps imperfect. Upper floral bead to

Anthemis Cyprioides L Knit 87 Bar 11, Ben 78
Ext. Girona v Cas Catala. Very like ill Bon (See 3-38-30)

2-4-30 Fagonia Cretica L Knit 137, Bar 94,
Collected by Mr. Heron ext. Girona clayey v

Cas Catala. But cells seem to have 2-ovules, other

as above. (See 3-17-30) Flower almost in arcs

Angles of ovary persistent, valves 2 in each cell

Standent from stalk that arises from axile near

base of cell, only developing when it seems to become

upright. Stalk long, rather thick, side triangular.
3-4-30 Salvia verbenacea L. Knk 341 = S. verbenacea L. Ber 364, Bon 350, Bux 357 (ill) Génova. Fk. v badly wilted buds. Stamens clearly 2 the connective short. Sympodium calyx has 3 tiny teeth. No flaseen.

2-4-30 Arisarum milagre Tagy Knk 355 =
R. — Knk, Bar 468 = Arum Arisarum = Bar 517 Génova. 8 at baseepadix, stigmas capitata. Fkhn. not densely packed. (Se 3-14-30)

2-4-30 Fuchsia Cajunt-buvia Ron. Knk 455, Ber 578 Sealesill F. Coralicepsie Duarte, Ron 144 Génova. (Sealesill B. Mt. P. 781) Stamens 2, eff. long filaments stigma 3 - parted. Dee Bar 578 not carefully verified. Tube of corolla has thickened papery base. Perhaps takes place papery in Centranthus.

2-4-30 Paronychia argentea lamk. Knk 460 Bar 179, Bon 108 Génova (Se 3-17-30)

2-4-30 Empetrum helioscopi L. Knk 147, Ber 411 Bon 280, Bux 417 (ill) Génova. Bert ev. centaurea ones
2-4-30 Seed not advanced enough to see chas. (See 3-23-30 Pale smooth, seeds still white. See 3-26-30 Seeds brown with red prepapryke)

2-4-30 Globularia Alypum L. Kn. II 403. Ber. 384, Bon. 364, Belno Répina (See 11-27-30)

2-4-30 Medicago Murex Willd var spheroarpa 
urban Kn. II 75 = M. spheroarpa Bertill 321/18 
Bon. 74. Génoise. Sphèrée fr. Hallfallen when 
studied (3) identified mostly from Bon. Poik 3-5 
spires making almost globular effect. Spines 
as long as distance between, curved but not 
hooked. Edges spiral slightly wedge, not fanon. 
End almost smooth (few splint hairs). Spirals 
counters clockwise, stipules with deep, narrow 
feath. nodentate above middle. Fr. at frangage 6-7 
mm. across.

2-4-30 Scandix pecten-veneris L. Kn. II 226. Bar 316 
Bon. 134 Bus 704 (ill). Génoise see (3-43)

2-4-30 Veronica agrestis L. forma polita 
Kn. II 387 = V. didyma tenor. Bar. 344. See Bar. 337 
V. polita • Fries • BUS 349
2-4-30

Ber. 237 and PAV. 348 ill) Sepals are 3-meralt, sharp
with a spurred appendix at base x style surmounted the
sinus. But base hardly "campiones. Carr. Camen-
vera. (See 2-24-30)

2-4-30 Pselli amarna L. Knst 445, Ber. 240, Bon 162
Genova.

2-4-30 Clumpsanthemum coronarium L. Knst 477
Ber. 245; Bon 167. Genova (See 3-4-30 Rays creamy
with yellow centers)

2-4-30 Echinum calycinum liv. Knst 310, Ber. 533,
See 2-25-30. I 3-10-30

2-4-30 Plantago — Genova. Thin woody
stems. Leaves closely alternate but not in rosette
at top. Low linear 3½ x 2-3 mm, entire, or
nerved, silvery-gray canescent, not hairy. Leaves
rowed somewhat toward a base x then widened a
little in use. Stem rolled around the stem. Florifer-
ous from below base; ½ in.; slender, slightly ridged;

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little in use. Stem rolled around the stem. Florifer-
ous from below base; ½ in.; slender, slightly ridged;
hairy ending in oblong hairy point. Wedges thin. Spiny-like. lilac to red hairy on outer edge. Fleshy interior, seeds not developed.

[Note: 2-23-31] This was perhaps \textit{P. albicans}. Syl 11-18-31 – 12. Desc. specimens identical due to common. Dr. Howe.

2-4-30 \textit{Aralia elata} \text{Hass} KnT 365 Bar 441, Bon 301 Men. & Cos. Catala. Very common.

2-4-30 \textit{Araceles ramonii} var. microcarpus SylT 365 = \textit{A. microcarpus} ver. \textit{Barr}.

\text{Kn} 301 (See also \textit{A. altus} \textit{Mill. BM} \text{AC} \text{P}. 174) Near above. Just coming into fl.

2-4-30 \textit{Aralia cerasoides} Thumb KnT 132 Bar 98. New species. common. \textit{A.} apic. \textit{purp.}.

\text{Kn} 301 (See \text{BM} \text{AC} \text{P}. 488 [See 1-6-31]
2-6-30 Alchornea fusca link. Kit 408, Bas 462, Bon 313 Collected by Mr. Heron Belver. From disc. Bon v Bv 44 might be thought to be Omarcopecora Ward but this not recorded from Majorca. See also Om. speculum in Bas 461 with some points of similarity. Lower bracts reach to top of fl. Lip cut to about middle, lateral lobes turned down, central one notched more or less convex. Pollenas in Aecacias longiflorata (2-4-30) Anthers vategma greenish. (see 2-24-30 3-20-30)

2-6-30 Alchornea trifoliata Serp. Kit 409, Bas 458, Bon 311 (But lip definitely 3 divided as in Bas) Collected by Mr. Heron Belver. 4½ in high. Sepals petals from hood but are almost if not quite free, very deeply long acuminate, white in greenish white with purple nerves. Lip white with purple to. Blades 2 in 1.2 cm. Pollenas in Aecacias longiflorata. Anthers purple, stigmas light (see 2-24-30 4-30)

2-10-30 Malvaceae Collected by Mr. Heron "common along roadsides Terreno." Either Malva or Lavatera. The 3 ext. bracts (ovate) are slightly united at base, & the 3 together can be separated from calyx suggesting 1. It seems to be simple in axis & since bracts in young from not as large as calyx would
x locality not probable KnF-178

14, maritima Euan. Plant is covered with starry hairs but not with bristles, as Bae. 56 nor petalae as Bae. 77. If sepals feet (still intakt) are semi-in axil plant might be L. Cretica. If a Malva might be M. syriaca sp. Bae. 66; Bae. 36 sinon. thorn atamentare are starry, 2 petals the handly 8x as long as calyx are "purpurscive cum venas violvsva." Petals with 10-15 more stamen at apex. Carpels smooth. (See 3-4-30 V. 37-30)

2-10-30 Acacia longifolia Mild. BMF C. 430

2-13-30 Hypoerypsnas albus KnF 362, Bae. 332
Bae. 237. Fl. F. back road to Palma. Filaments purple = 4, major will Bae. 237 (See 3-4-30)

2-18-30 * Eumaria officinalis L. KnF 47, Bae. 23
Bae. 14. Fly young fly. back road to Palma. Diffuse spreading. 1.5 high. Corolla 1 inflo. long 1/2, dark at apex. Sepals broader than pedicel, about as broad as corolla (sometimes less, sometimes more) about half as long as corolla without
3/13-36 without

3nur. Fr. slightly flattened, slightly broader than long, nodulose in summit at this stage. Considers possibility of Emiranthina bar. F. densiflora DC. are as long as persistent pedicels but fruit shows no sign of "largamente apiculada"

2-13-30 Pterocarya stenoptera K. 187 Bar 367, 394 53

3MCP 315 = P. amphiocarpa. Bar 388. Back road to Palma after turning to right on highway. Fr. too small to study.

2-13-30 Plantago Pellegrina L. Kniff 412, Bar 388

Bar 357. Back road to Palma. Stamens purple, petals yellowish.

2-13-30 ?? Caragana semireticulas Cuit. Kniff 487

Bar 266, Bar 177. Fl. v. fr. back road to Palma. Thistle. At slender, wavy end of stamens pointed. Sepal of leaves has white, petal. 25-30 seed heads, white, petal beneath, prickly. Fl. in narrow, long head. Style of flower yellow, nearly always quite sterile. Antlers seem laxity at base (below point of joining filaments) feet (see Bar 361) slightly glandular. Tribe 5 with
Os.'s (see Bar. 175) are Carlina

minutes because of their

pappus hairs definitely toothed their whole

length but just not to be considered plumose

and united in rings at base. Pappus

very pale tan, cellene smooth, olym-

melled, 3 long, flattened somewhat, about

5 mm long x 2 mm wide. Corolla purple.

Petals more or less evenly acuminate with

sharp points, the inner less so. 

linged purple. Petals no "little glands 8

brilliant yellow" (Bar. 177) Fl. about 34 in high by 94 in wide. See 3-17-30. 11-22-30

-13-30 ? Carlina lanata L. Kn. # 484, Bar

273, Bar. 182. Back road to Polina. Dried plant but

with perfect remains. Basal lots. Uf heads (very

close to ground) others solitary on stems 8 in

high. Some plane stems bearing just below

fl. head, others bearing the heads. Form as deep

Stemless br. Fl. seem to be tubular, lacerated

at top. No achenes seen.
3-13-30 Silene

Flowers ripe f. Fat Edge of field back road to Peluna. Plant high, many branches from base come somewhat decumbent. Root matrical, дл. purplish sep. at base. Lvs. smooth but (20X) covered with tiny stipule downward curved hairs which are enlarged at base. Lvs. apetalate remained to peduncles base or oblong sessile, the largest 1¼ x ¾ in., obtuse, edges strongly reflexed. Lvs. both smooth calamine, beneath but above ven. edge lvs. short spurred hairs (20X), lvs. clasping mouth internodes enlarged just above. Inf. Dichotomous cyme (not always regular), peduncles except flowering fl. short. Calyx & corolla with veins violet more or less purplish. Almost if not quite smooth but (20X) seems minutely tubercled, the rounded ciliate lobe about ¼-⅛ Engt of calyx (wid) in ascension when calyx gradually enlarges from a truncate (not dimpled base) to a slightly compressed throat below the very slightly flaring fl. After ascension calyx enlarges somewhat (not inflated) fl. limb does not spread. Calyx beautifully veined; veins ending in lobes, the other five branching in 2 just below the sinuses these branches joining the enlarged ends of the 5 petalinas. Carolss Scala race, small, perfecting beyond
not at all atelogy.

calyx 8 mm. Petals notched (not deeply)
Scale at base of limb divided to base in
2, off long rounded lobes 1/3 length of limb.
Petals free as to claw with limb. But seem to be
joined near at base of limb. Longest stamens
just the extend barely beyond throat. Capsule
smooth, off long 8 mm long, in a thick
ridged, 8 mm long. Seeds brown,
reniform, hollowed on sides, a shallow
groove making 2 rounded ridges on
back. Back roughly with few tubercles.

Flowers from Becket road to Pabina. Cymbals
are incumbent or perhaps (since they may
have unfolded in dissection) conjoined.
Seeds in fr. examined are 3 in each cell. Otherwise
as described. In addition that while flowers are
upright the st. in fr. are deflexed and twisted around
so that the filiform style is
almost horizontal (chopped upwards somewhat)
Fr. has short hairs on the bristles. Sepals
confirming in bud. Clearly fl. & calyx easily
mistaken for gamosepalus. Fl. small 8 mm
2-13-30 Lamium amplexicaule L. Kn# 337
Bar 366, Box 253, BN# 371 fll. Bauk road to Palma to 12m high. Calyx very hairy. Anthers hair, style less than 3 cm. Vein of costa notched. Sepals purple with darker purple. Lateral lobes almost lacking.

2-13-30 Jutica membranacea Poi. Kn# 420
Bar 424, Box 287. Fl. Bauk road to Palma.

2-13-30 Jutica mens s L. Kn# 419, Bar 424
Box 284, BN# 413 fll. Fl. Bauk road to Palma.

2-13-30 Mercurialis annua L. Kn# 144, Bar 419
Box 282, BN# 409 fll. Fl. Bauk road to Palma.

Ku# 144 = M. ambiguca L. Box 289, BN# 407
(See 1-2-31)

2-13-30 Chvaradia arvensis L. Kn# 414, Bar 227 Box 284, BN# 324 fll. Bauk road to Palma.
Solanum
2-13-30 S. megrum L. species Villarum Kn. f. 263
S. villarum L. Bar 529, Box 227 See Box 7
S. megrum 3 30 (ill) Flower fr. Back road to Palma. Corolla white, tinged purplish, yellow at base. Calyx 3 mm at most. Corolla 9 mm. St.
bronze, purplish, rough, vilanous, in rough pubescence (not tomentum) along tubular or veins beneath wedge. (Dese. in D: Coate not available when this
student)

2-13-30 Diploptasia Crusgrieldi DC. Kn. f. 18
Bar 31, Box 22. Fly fr. Back road to Palma. Very common in fields. St. branching from
base, rough, with short downward pointing hairs. Cotyledons folded longitudinally. Petals, white, tinged purplish on veins & filaments
purplish. Velum with central nerve - not "vesica".
Keeps in Formats. Tip 2 fr. like silique but flatter
and flatter; oval to subulate 2-lobed, not fruited to
be "monsporium en de base", like much like
ill Box 76 - perhaps deeper divided at tip. (See 2-25-30)

2-13-30 Euplotrcia
Back road to Palma. Some general resemblance to
?? E. platypylloides 2-13-30 except that gland on out-
side is flat with an of long projection at each
Corner.
2-13-30 Calendula arvensis L. Nutt. #83, Bas 360
Back road to Palma. Tubular fls. have rudimentary style, conical at top.

2-13-30. Senecio obel L. (see 2-25-30)
Slumb at edge of field back road to Palma. No. 72
or fr. St. gray, about ten leaves, L oval, ovate
with petiolar humped teeth (except distally) slightly
heart-shaped at base, many small petals.
Slumb at last problematic above but white slightly
below. Base sometimes unequilateral.

2-14-30 Nicotiana glaucus L. Bas 332 FL.
From wall at Porto Pi.

2-14-30. Olea europea L. (see 3-11-30)
Slumb. Port. roadside near Porto Pi. 40 ft. from 32
St. lead color, beautifully banded in light gray
Consciences because of small brooded sheet,
condensed, oval 7 mm x 10 mm, entire, edges
slightly revolute, very dark green at base, with
tendrils. Silvery shade covering young
Mr. White &c. Almost useless, unless only almonds. See 9-11-30. Which suggests this is growth from old stumps.

3-14-30 Asparagus stipularis Fisch. Kit 381 West of Cal Catata. 20 ft. tall. Shrublike. Branches irregularly, smooth. No buds but branchlets 3-5 ft. 1 branch provided with all thorns 4-7 ft. long. Top with spiny yellowish white points. Sometimes a thorn had 2-4 at ridge, at base. Thorns 3-5 ft. would persist 3 or 4 ft. Below each thorn remains a tiny scale. Below each branchlet a spiniferous scale such as on same sp. Asparagus. Could this be A. stipularis Fisch. Kit 381 = A. horridula. Bald 4-4-23. (See 3-30-30 v7 5-30) 2-16-31 Rae identifies this no source of the asparagus sold in Palma shops.

3-14-30 Asparagus albus L.

2-14-30 Asparagus L. KnT 288 Bar P.22
Fr. Highway west of Cas Catala. Fr. solitary. Clade in fascicles 3mm long sharp pointed but not really pricking. A very spreading branchlet. Buds 1-2 cm. Branches 10 cm which in turn have branches 1-2 cm. Branches ridged ventral (See Talbot)

2-14-30. Daneum Carota, L. KnT 283 Bar 190 Box 124
Fr. Highway west of Cas Catala. Very young Jr. Differs from H. A. umbel more convex vs. each umbel
more convex vs. apart from others. Central 6 petals.
All fls in bud definitely pink. Young Jr. has equal
stem vs. pedicel. After flowering it becomes as at
H. A. Umbel (same c card) almost 15 cm. but not attaining
like D. maxima. Decid (See Box 124)

2-14-30 Creorum prococumb. L. KnT 138 Bar 75
Fr. C. prococum L. Bar 100. See also Riviera nature
Notes p 60 ill. Fls unisexual Jr. Shore west of Cas Catala.
(See 2 14 30)

2-14-30 Cister mollis sempervirens L. KnT 197 Bar 47 Box 4
never equal, red. Miami. Evergreen at
very tops. (see 3-30-30)

(Nov. 12-29-30 cont. this have been visited also)

2-14-30 Valantia muraviea 1. fruit 4.26 = Valantia

Bar 224, Bar 142. Fl 5 yellow fr. cor, along
shore ment ? Cas Catala. St. 5 loz. entirely smooth.
Loc. almost Fl has a line of hairs below on pedicels ?

Fls. Fr smooth except for a tiny projection
(see 3-14-30)

2-14-30 Helianthemum glutinosum Pers. No. II

Handle shrub. St. reddish brown with
shredding grayish bark. Branches 1Fr. LoS
crowded in short 1Fr. handle, ovate, stipulate,
linear, 5mm a long, margin strongly
revolute. Fls terminal, peduncles butt at
dase v putrescent, Handle, in 3s. Persistent
sepals 3, almost if not quite separate. Capsule 3-cells
1.3 cm round, loosely, about 6mm across when
wide open. LoS more or less glaucous, look
3-17-30 Pr. the same on "rough road" form doro
Cemetery to Cas. Catala. Note stiplules have
shave like dependence at tip. Sepals nerveld (prof)
Adding pit in back (see 4-1-30)

(Ident. late by desc. Cote F 137) - Furmanaviabala.

Spach  • Bar 31  • Bar 36  • Cote F 137
2-14-30? Myrtus communis, B.M.C. P 788
Fl. Tree (small) in garden of hotel Casa Catala (end Jan.)
On twig collected 1 pair leaves, the others 1 ovary bearing flo in axils, 2-3½ in long (incl. short petiole)
lanceolate, acute, narrowed at base, bright green, almost flat, seem to be entire or
slightly rounded at edge, flat middle. Possibly with pubescent glands (See also Riviera Nature
Notes 173). Fls several in axillary fascicles. Calyx
lobes short triangular, 5, Corolla tube short, limb
almost regular, 5 rounded lobes ½-2½ in across.
white with definite purple strip in throat, hairy
in throat v. prominent in lobes. Stamens 5, with
sometimes a 6th undeveloped. Filaments attached
near base of tube & shortly exerted. Style simple, hairy
making curving in ovary not in positive. 5
stamens would be expected. No further exerted
than stamens, 3 stigmatic strips on unlobed
apex. Every stamens, on each, 3 cells each
1 ovule in each cell (sometimes 2 ovules in some
2 cells v. sometimes 3rd cell seems abortive. Anthers almost
presentable i.e. attached by near top.

N.B. Casa Vergat, Valencia, cat. from Dr. Cardell
adv. p 37 Anthoeceria = Myrtus pisiem)
See Anothe 161.
3-14-30 Anemone Coronaria. Kn II 485 Bar 8
  Box 5 Highway west of Cas Catala.

3-14-30 Salvia Clandestina. Bar 864 mic.
  S. verbenacea. Kn II 341 mic. S. hammerschmidiana
  Fl. For Road 6 foot just 20.9 junction with highway
  west of Cas Catala. Dist. from 3-4-30 in upper
  lip of calyx which is notched but has not teeth.
  (at least in some cases) Calyx gland. pubescent.

3-14-30 Salvia maritima. Kn II 440 Bar
  234. Box 148. (Sealed BMJP 732) Plurinerves
  fr. Near above. Ident. largely by Box’s dead
  “collarette.” Involved ridges. Cover wart hairy
  on ridges, upper facet flaring with ruffly
  edges crimped inward. Calyx (in hairy pedicel)
  at mouth involuted. S. rontadetae with
  bristles to 3 mm long barrel upward. Outer
  fl. much larger than inner. Floroid. See 3-30-30.
2-14-30 Passerina cirisata L. Kut II 314. Bon 276
= Thymelea — Endl. Res 487 (See B.M.A.C.P. 528 from
Plainly Thymelaeeae v not Daphne. But the
short deciduous pithy log, are smooth only on
the dark green under side. The edges are rolled up-
ward and the upper surface thickly covered with
white down, like stems v. helv. Calyx
Only 5 fl. found but plenty of fr in various stages
on same plant. (See 11-22-30)

? E. acutata L. See 11-14-80

3-14-30 Empetrum plantaphyllum L. Bon. 280, BR.
406 = E. plantaphyllum Bel. 412. See Kut II 148. Fl (Fl 1 or
youngly toately) Rd to flat north junction with high-
way west V has Cape. 19 high... much branch-
ing from base (For notnably) Many branches
sterile. Ablancc, glaunenae, glaucescen. Pet firm v
Cardiaceae. Those on sterile branches oppo. (are
are slender secondary branches) on fertile branches
alt. sessile, blach glaucous, reflexed, lanceolate
pointed, with spreading, rivey, sharp teeth (more)
long. los almost semi-circular, clasping, sharply
toothed yellowish. Umbels symoem (usually a single
st. head between) 2-4 rayed, compound, some-
times with single ray from inad. Ray of
alanta yellow, wound on outside. Capsules only
others whose ident. is unquestioned.

young) smooth. Seeds too young to study.
4-3-20. Seeds not wholly ripe. Very crowded. Bulbs Carousela capule like, greenish, 1.0 cm, valves somewhat ridged. Bladdertop nucleus in center (red).

3-14-30 Phyllaea angustifolia. L. Kn IV 579, Bar 308
Bon. 211. Coast west of Cas Catala. Buds & young
fr. Lam. lanceolate linear but with low distant
sheets. Lam. punctate glandular. Flower very
small axillary clusters (or a few) less commutate.
B. 100. F. 593 (Sec 3-14-30)

3-14-30 Statica
Stone west of Cas Catala. Dead plant in sand
in calcareous tan sand, entire with
minute flowers speckled both sides (make then
living plant) L 1/2 to 1/4 x 3/8 in. Dryfl. like Statica
trace normally silvery. Note later in year.
3. bellidifolia. L. Bon. 358, Bon. 259
Sec 10-19-30

3-14-30? Atajalex Halimera L. Kn IV 440, Bar 394
Bon 261. Low alabst. on Las Illatas adjoining
main land. Dryfl. terminal, comsp. panicled
(dried but needs remaining). Back white, shedding
Lvs alt. entire, silver-white on both sides.
(See 11-17-30)
[see 6-4-34 Sintraeand]

2-14-30 Papaver dubium L. Kn#5 Bar 20 Box 13
Field highway west of Ca'Satala. Identified by capsule which is fully twice as long as broad. Narrowed base is mostly more deeply divided than ill Bar & less so than ill B74. But like going narrowly overlap slightly) versus Bar V Box 14.

P. Rhoeas L. [Query: P. macropetelin Meun?]

Since getting Ca'Satala many P. dubium has most authors up to April 1933 P. Rhoeas has been found P. dubium in Mallorca.

2-14-30 Rosmarinus officinalis L. Kn#377 Bar 2
Bar 250 D. MG C.P. 636. Shale west of Ca'Satala. Delicate lps calyx slightly 3-toothed (see B. MG C.P). Calyx hairy persistent. (see 10-23-30

2-14-30 Asteriscus maritimus M. Kn#467
= A. DC. Bar D51. = [part A. = less B. 170. FL.
Porto Pi. Foliocorous bracts more regularly stout spatulate than ill B. Echinos hairy with scaly crown. Petalotes irregularly 8-pointed. It often purplish, hairy. No wild long white hairs on back of edges.

2-14-39 A7 Sedum altissimum Rose. Kn#42
Bar 182. Bar 111 coast west of Ca'Satala. Sterile broomlike v dried wirh green and yellow capsules.
L watt, very pleasing, flat-topped, rounded below. 3½ x ½ in. Leaves, alternate, pointed, glossy, green or reddish, close together. Spikelet 12-16 in. reddish brown but much 1½ in. long. Bar. Flin cymose racemes, plain about 2 cm. on top of branch. Short peduncle. Capsule open and pink. Dorsal rib terminating in linear appendage. Cannot see if plants are hairy at base.

2-14-30

several rows, spines, yellow-brown, lanceolate, spreading, when seed is ripe reflexed.

Several series marginal flowers filiform, tubular, white or very pale yellow. Disk flowers tubular (5) expected size 6-7-tubed, pale yellow (style and antherless). Bright yellow. Achene 1 mm. long inflated brown, with relatively long white hairs. Papillose, simple white hairs, about 7-10 in number, not slightly dentilicate, rare hardly above (20x).

Mr. Alexander calls this Phagnalon. I agree with him. Nothing else in Barrels' V.D.P. from here. Phagnalon. Barrels' Bonnies only in that they are filiform tubular, and not filiform rays. If Phagnalon A must be Tradentalis Carnio Nutt 437, Bar 337, Bar 161

Dec 11-14-30
3-14-30. 1 oz preok to 2-13-30 (B)

Composite, general effect of plant much as
ador. Toronto smaller. But the normal
shortleaf (or hoach?) pines makes. All its future
valise. Antlers tailer, 5 to 6 in one
series, finely tailed. Nodpetae naked?
rounded? Otherwise wid out cap as in (A), pub.
pubescent. Scales with silvery yellow tip, loose.
more than in (A) pubescent + glandular (yellow).
believable. Heads about 6 cm high, 1 mm across.

Pro Helichrysum stoechas aoeclas DC in
one of its found (see 3-4-30) the dedit outside 2 fls
and rest not noted because all are tubular.
Not same size. But an anthers + somewhat
not promote + glandular below tip.
2-16-30 Cynoglossum Chlorifolium L. Knut 301 Bar 325, Box 235. Fl. collected by Lucy Dress in fields bet. Son Papiwna & Alcona. Fr. too young to see chas. but beginnings of hooks as underneath ind. Fls wine colored (non 1st enough to cast turned purple). Scales greenish darker than leaves velvety. Leaf white tormentone. (See 3-26-30)


Lip 14 mm. wide at pet., middle line 6 mm wide. Blotch somewhat - not much - shorter than fl. Hump at base flag inside has thin fork-like projections at its base, the space between becoming indefinite toward the rounded point. Not seen.


S. occultata as des. Bar. - but note loci.
(See 3-14-30, 3-29-30)

Reichl: 2 plates Reichl Knut 405-
2-26-30 1. Cymbipn erecta Reichl Bar 460

Bar 312 O. lucifera Reichl Knut 405

Flat only, no loc. Roots picked up from cow-pie by Mrs. Neeley. Bellville.
O. racemites H. D. Mon. 313. Agrees with
A. Barcc except as follows: Sepals white
green tinged pink with 5 (pale apricot)
green mound - the middle mound most
distinct. Anther column is curved for-
ward so that pollen sacs are almost smooth
spot in lip. The beard (if it is such) is very
short. Plant vie nie no inner marrowed? Smit
epart at base of lip is bordered with grayish
white radiate purple inside. Lip purple
brown in center greenish around edges,
broad at base with 2 humps, convex notched
the edges of the broad shallow lobes rolled up-
ward, and between them from a little con-
vecity with longer hairs than rest of lip 
- tiny, yellowish green toward to tipped ap-
pendix turned flat back on lip. Base of
lip. Petals small, faintly pink, velvety.
Consider poss. O. tentheadescens Willd
Note that in withering sepals turn a much
deepper pink. 2-22-30 Cal. of Mr. Nemo Belver-
don in a bro. had sepals v petals more definitely
pink than 2-20-30 v lip generally lighter
but shape of leaf near the same. Acc 7-16-30
L 9-12/313-62. This seems ready to have been
O. tentheadescens Willd.
2-20-30  Arabis moriol was longissima that is possibly broken down into the following:

Collected by Mr. Neror. Bellows, 12-inch, erect, rather leathery, short, flat, pointed, round 3/4 x 1/2 in, becoming small until uppermost bracts are rolled around at 12 in. in rather open, cylindrical spike, usually 1/2-in twisted, curved downward. Beaks more than 1/4 long, thin, faintly tinged lavender, greenish vein faint, apex sometimes wire or slightly toothed.

Plainly Arabis because sepals with white end on face of column, plants 2, purple. Sepals and petals free but forming hood. Whitish, tinged purple, darker or midblue with greenish nerve. Sepals 0.75 x 0.33 mm. Petals narrower (sometimes in both lacking) 0.5 x 0.25 mm. White (1 case has 0.5 x 0.25 bright purple). Strongly convex with broad lateral lobes not quite entire but turned narrow middle lobe folded in itself (longitudinally) as to make about horseshoe projection, upper purple, lower, flat, wide to apex 4 mm.

Flower tip 1.4 x 0.5 to 1.5 x 0.8, / to 3/4-in long x 3/8-in wide. St. hollow.

D. moriol was longissima that is possibly broken down into the following:

Pot's 457 might be considered "sepals inflated in an apple." But Papas and Alamos Bov. ill. 99. In the lateral lobes are not violet-blue. St. hollow with very narrow center.

See 3-19-30.
2-24-30 Resymbrum Dis. 1. Knit 720, 32.53
Bon. 24. Bv. H. Fb. ill) Calle de la Infanta. Common along roads. Not seeds are not "Cas de rea-
cards" yerbs are certainly common flat-
tened. Sack very slightly tuberculate
Veronica ill RVH. Bot. Conf. de S. Espumadera
Dock. Sp. Cotton smooth. bitus commoner than
Sis. See 2-14-30 X See 11-26-20-30

Bar 360. Bon. 740. (See RB. 379 with f. boree. PDA),
Fl. Bellwes, pat near wall. box entrance 3-
5 w. corner. Scar high branch. 7 ft. Bae.
Less linear. Sharp. Insec. Thistle, slightly in-
volute to 5-mm. long. Fl. in axil. Mid. 3-
4-mm. long. Large sepals with broad disk
(greenish-purple) center v. white margins
veins very indistinct. petals v. eat bright
purple (or crest light violet) (See 3-14-30, 3-26-30

Micromeria Benth

2-24-30% Micromeria bifera Benth. var.
2 M. H. Benth. Bar. 360. Fl. Young to Benth.
Collect.华 2-13-30 back and to Polena. I seem to
be common on wall etc.) Micromeria seems only
possible genus and "flos are many pequenas"
pequeñas, blancas a rosaladas, en vez de purpúreas o purpurinas, se destaca 5 puntos a M. filiformis. 6-12 in high, at wood at base with numerous ascending branches, in my plant pedicel to 1\(\frac{1}{2}\) in long mostly smaller ovate, entire pointed but not sharply, mostly rounded at base, some (not definitely the lower ones) almost entire, nerves and ascending margins lightly revolute. Fl in short ped. clusters in axil. Cluster alrnto than to Ca1yx definitely (at least) 10-nerved hairy 4mm long. Corolla seems about as long as calyx in various size. I have never seen corolla open. Stamens on very small filaments included, the anther ones longer. As inflo progresses, the lower fl. clusters often drop while lower line is a tuff flow at top, where axile has buds that do not alone as that plant looks so the flow were borne below tree as the there was a self-pollination fls. (see 2-25-30 for flow in 3')
long after mature

light. Beak definite, very small at calyx insertion. 

Petals soft, sharp teeth. (see 3-14-30) (see 3-4-30)

2-3-4-30 3/3. Dodecema nenescens L. loc. 1844. 


high, woody sp. Smooth with shallow channels. 

young, very few branches starting from lower 

part of 25. 1st. 2nd. smooth, light green, pinnate, 

the racemes winged. Each pinnule toothed. 

usually with 2 definite lobes near base. 

many? Racemes attached to pinnule on upper 

side with small toothed like 5 pinnule limited 

so that its blade is at 1. 15 mm. This like. (general 

effect of more delicate 5 finely cut than 

expected? We saw this clumping with pointed 

toothed ears, the very uppersmost at fronds with 

single branches consisting of narrow linear 

like 5 ovate blade, leafless branch on 1 pin.
2-24-30 Runa Chalepensis L. KnT 140 = P. angustifolia Pers Bar 94, Box 63. Bellver, near west wall. Old seed pod in lily.
(Perhaps P. bacteria DC. -licher mit Ochretia in this area) See 10-15-30 [6-3-32 see bacteria seen
in 14th link].

2-24-30 L. spongia Canped, KnT 431, Box 143. Fl. young fr. Bellver S-W. Choi = Runnex Vic-
stanza KnT 2. But plant seems entirely
immersed in wild flowers. Soft, delicate
pedicel above. Blooms separate. In many
locations, in Bonif. Acc. This not in France
& Runnex trigonanum L. is something else.

2-24-30 L. contonum tubulare L. KnT 528 =
Thalictrum tubulare DC. Box 286 (see Box 184) Bellver.
Loc. local Chenopodiaceae, Transversely engorge.

2-24-30 Accra longibracteata, Reicht KnT 4/2
Bar 456 - Archis - Box Box 311. Bellver. Serial
clumps near west wall. (See 2-4-30)

2-24-30 Ophiogota fraca link, KnT 408, 9462, Box 313
(See 2-6-30) Bellver, very common. Blunder
veiny leaves flat on ground with only 10-22
smaller obovate-like leaves lower part.

3-24-30 Chenopodium murale L. Kn II 438, Bar 376
Bon 369 BlW 388 (ill) Roadside Calle Infanta. Very
common.

3-24-30 Capasaella Bunsa-japetis. Moench Kn II 52
Bon 88, BlW 47 = Thlaspi — L. Bar 40. Roadside
Calle Infanta. Very common.

3-24-30 Senecio vulgaris L. Kn II 481, Bar 241
Roadside Calle Infanta.

3-24-30
See Composite A. 3-14-30. Bellver 1 Phagnalon
 saxatile Casa. Kn II 454, Bar 287, Bon 180

3-24-30 Veronica agrestis L. forma petula Kn II 387
= V. didyma Ten. Bar 344, Bon 239 = V. petula Frics
BlW 349. (See 2-4-30) Sepale ovale nodosa BlW.
Roadside. Calle Infanta.
2-25-30. *muscaria racemosum* mill k.I 318
Tripod cardinated recurved, upper fls blue or sterile. See S.C. #1 for dip from M. botryoides.
Mill (see Bon for M. botryoides DC.

Most fls radical (at top) quadrangular × 1/5 in high. But each peduncle bears 0 0.2 0.4 almost as large as radical b. c. d. 3 2 0.2 petaloid less smaller than radical; 2.3 1.5 in middle; 1 2 opp. petaloid hair ax to b. on 3rd another peduncle with 1 petaloid 0.2 b. at base. See BvX. Carpels slightly concave at top with hair around rim. [See 7-6-35 just mentioned adjacent lines]


Rex-va, Beach

Nutlets forms *f. californica* k.I 318 = M. californica Bent.
2-25-30 Hyoseris radiata L. Knuth 538, Bas 278
     but in center zone (perhaps too young) not winged
     but with crown like the winged ones. Has basal
     deeply primulatid in closely set downward pointing
     lobes. Largest at tops of leaf. (See 3-12-30 # native)
(See 3-14-30)

2-25-30 Crepis taraxacifolia Th Knuth 517 (See
     Base RVN 375 ill = Barbulauria — DC. Bon 1883)
     Crepis westeri 2 Bas 200 Fl. Rheneicling Bellver
     seem only for identification: receptacle is medium
     for size of Thlasis, not enlarged at base a plump,
     whence not as in Cent在一la or Taraxacem, not
     compressed and angled (as in Petidium &
     Acteerina) nor mostly basal runcinate finely
     2- to 3-pr. ind. winged branching with 2
     (branching with rounded toothed ears) sustending
     branch only. Envelops are double, the outer 5
     broad-rat toothed with broad sides entire
     base almost cup-like at base longer narrower
     bracts. Rhynus all olive green, other rays
     purplish on back, rim green on all yellow.
     Decemes with toothed longit. ind. edges tapering
     into long teeth. (See 3-14-30)
2-25-30 Centranthus rhodocephalum L. Knuth 97
Bar 111, Box 73. Rd encircling Bellview. Clear, D. Stat. smooth (not at all resinous or pubescent). 70 frs. Empty calyx. Last season as young buds, but seasons threm to have been in dense branched spikes (perhaps terminal) from the top of which new branches have grown (see 10-15-30).

2-25-30 Salvia verbenaca L. (See 3-4-30) FL near Sierra. Calyx upper lip 3-toothed. Lower rise. Fls pale. Fl. wide (2-27-30 Son Roca) also calyx upper lip 3-toothed. No not at all resinous. Fls dark, bright blue. N.B. more nearly truncate than beard, about Corolla twice as long as calyx.

2-25-30 Raphanus Raphanistrum L. Knuth 37

2-25-30 ? Peniculum
To fls. fr. with Ranunculus Ficaria, etc. Much wider and much more deeply cut than "kumata" 2-27-30. De lates if not at discretion. With very short 2 fls. peduncles.
2-25-30 Papaver dubium L. (see below)
[= P. pinnatifolium, non P. 2-14-30]

2-25-30 Papaver angustifolium L. Km 5, Res 31, Box 13, Bt. 20 (alt. P. dubium L. col. same place) 2-25-30
Fl. Rheinleining Bellwes. Staminates with filaments very dark purplish, anthers white. Capsule "coosta-
globosa" (= Lat. costata) Buds opened 3-2-30 had petals light but less scarlet than P. dubium, but flowers
in field "rojo-viso". Stigmata 7, 180
F. pinnatifolium, median segments not sterile in
P. dubium. Stamineate, leaves 154 (as 2-14-30) only slightly glandular, leaves rough-hairy (see 2-17-30; 2-26-30 anthems intact light
time). Stigmas 8.

2-25-30 Drapetaxis coenobialis DC. (See 2-18-30)
Field east Hohenex. "Pies" often found to be "monoparuma-
en" in base.

3-25-30 Eupatorium helianthoideum L. (See 2-4-30) Pod
smooth, seeds pitted. Rheinleining Bellwes.

2-25-30? Asteriscus spinosus Dr. Kn 770
Res 252, Box 170 Rheinleining Bellwes. St 1-1/2-3" flat
with remains of last year's inflorescence present below. Young stems pointed but not prickly at this stage. Radial scales
3-5 sided, 2-winged, disk adhering more

2-25-30 Picridium vulgare. Defa. Mt 535, Bas 387, Bon 188. Pheneiciding Bellver (Not P. medium Sceth). Bas 7 acc. to Bon has the outer invol. scales heart-shaped sections in margins etc. as less. to P. medium. All 4 fl. have stigma, as seen in center. 4 discs seem not to develope.
2-27-30 Barrago truncatifolia L. Knit 303, Bar 319
San Roca. Bon 220. BvN. 326. BM. CP. 622. Filaments form a ventricose, linear appendix just behind anther, almost half its length. Anthers become as little forked at apex.

2-27-30 Dicræa croceiformis L. Knit 418, Bar 427
Bon. 386. Fr. Hilleaide San Roca. In absolutely smooth slender, both sides. Cup bracts with thistle lanceolate downward curving tips 9 scales. (See BM. CP. 331 for dec. of T. S. L. with the borneum beneath, scales thin & appressed.) (See R. S. T. H. No. 57 = Nermes calo violet f. insect which yields cinchona)

2-27-30 C. monopetala 1. (See 2-14-30) with above. Fly leaf prof.

2-27-30 Turrillia nodosa Læntu. Knit 328, Bar 194
Bon. 125 = Camellia — BvN. 207(dll) San Roca.
(See 4-10-30 and 12-10-20 & 638.

2-27-30 Keranium molle L. (See 27-30) Fr. Fairly old enough to show claws. San Roca.
2-27-30 / Erodium moesiacum L'Her. (See 2-4-38).
Son Roca, FL. Vr. Thought to be same as 2-4-30. 0
lt. like ill. Bon 59 VJ B.H. But note leaves are
scarious v hairy, carpels yellow, pedicel
with thick points 1+ mm long above their
rounded apices. No odor. Same as. Consider
possibility E. Auratum L'Her.

3-36

3-37-30 Veronica Cymbalaria Bochart L. Kt II 387 Bar.
Bon. 337 Fl. virginale fr. Son Roca. Fr. pure white,
some liv. purplish beneath.

8-27-30 Laraterea andrea L. Kt II 176, Bar 77, Bon 56
BHT 89 ill. BMCP 485 Fl. End 6 lamellae. Son Roca
in garden. See #12-3-30.

2-27-30 Coronilla glarea L. Kt II 110, Bar 148, Bon
90, BMCP 416. Fl. in garden on hill Son Roca.
There would be no mention except that stipules
the small are rather wide lancedate not marked
ly caduceus and more noticeable than not
mentioned, i.e.: 1) corolla tube and long peduncles
the stipules are broadly rounded 8 mm x 11 mm
bract, almost continuous minutes petal at apex
calyx v floret parts strongly resemble C. glarea L. 3-4-38a.


2-27-30 Parsearia officinalis L. Knü 422, Bar 275. Ron 284. 80% in wall bet. La Vileta v Son Roca. Native woman says it is very good as medicine (stomach?)

2-37-30. \[99\] Rhamnus alaternus L. in \# 198 Bas 98, Bon 64. (See BN \# 103 and BM PC \# 2446 Index of genus.) \[78\] with what seems rudiments of organs Hillside Son Peca (may be cultivated). Shoot not more than 5 ft. In alt. as dense Bar Hills in Box. Fils in short axillary racemes (shorter than box) 3+ petals. Calyx with definite tube 3-lobed that fold toward center with edge touching in bud. Base reflexed in anther, Staminal 5, projecting, all with 3 petals inserted just below mouth of tube. No flat discs lining calyx tube apparent. abortive hairy appendix 3 celled (pe likely to be 3-angled) with 3 stigmas. 3. \[27\] in most cases away readily. the little bracts notches form cups like shelf-like depressions in the pedicles seeming to be part of stem, not at all detached. (See 3-11-30) See 3-14-30, 3-17-30, 3-20-30 F2.

2-37-30 Andropogon hirtum L. Kit \# 285 Bas \# 87, Bon \# 64. Perhaps A - - A longissiatum Will (Bas) = A. pubescens Vis. (Box) Bladex not hairy (the vesicator are somewhat like the edges) except for a very few long hairs
3-27-30


Body young green. Stems Villa v. Don. Rosa or of Don Rosa. linear, very.

St to Steinle. White, white. 1 200-210 x 1 / 2 x 1 / 2 in or slightly wider at apex. aside at least in few puts distant. teeth toward apex, edges slightly revolute. long white hair both sides. Intermixed 1 / 4 in. Stipules none. tip of leaf forming indistinct ridge around. it. Adventitious root early. Foliage minute. Resin in each axil. Calyx hairy. 3 - toothed. Crany free, distinctly 4 - lobed. Styles parted 3 + divided at top. Corolla delicately membranaceous gametophores not seen developed but pod very small with 4 stamens attached at very top.

Dried remains found on developing fl.
See A below.

2-27-30 

2-27-30 Senilaxa aspera L. (See 4-20-30) Asclepias aspera

but with much less, red. Don Roca (See 4-14-30)

A. (acabra) Same plant collected 3-11-30 Ensemblum.
The 4 parts of ovary are attached more than half their
height but break apart readily, each 1 seeded.

A long about 2½ mm high, x 1½ mm wide. Under
a smooth skin they are corrugated a bit on back. If corolla really is such this should be a labiate or consider the slight possibility

Mercurialis hortensis L. Bar 419

2-18-30 Seeds black, flat on 2 faces rounded on back
vet-tops. 3 mm long.

2-27-30 Chrysanthemum coronarium L. (See 2-4-30)

Don Roca Al. Rays all yellow
3-4-30 Galactites hormisora, Moench, tgl 503, Bar 362, Bon 174, Highwood west of Can. Catala. Plant not white or very pale green, Disk fl. yellowed at top tube. Ray fl. large, widest at narrow, long divisions. Stamens green-blue. Fruits not advanced enough to show leaves well. Receptake with long white hairs. (But see Bon 151, middle of page). (See 3-5-30)

3-4-30 Silphium mariannum, Moench, tgl 503, Bar 362, with above. Thistle like plant with white, sepals fl. & purple fls. 2 1/2 ft. branching, ribbed, not at all winged with serrated fls. Silver green, bedded at mid. 1 very low large umbels lobed irregularly on margins, entirely smooth silver green, with broad white mid rib. Broadly round with white around. Heads above (heads violet on beneath but the broad white thistles do not above beneath). Tip pale, similar. Scales partly clasping with round or very parallel. Heads solitary, heads with downward curving tips 1 1/2 in. long. Tips nearly dentate at base, projecting ed. into channeled point with yellow thorn at tips. The innermost bracts without spinosis with yellow at tips. Fls all the same, sepals tips swollen to globular shape at top of tube. Stamens not attached. Filaments seem to be
easily separable, Ptilotreme appendages at base plentiful veryoints journeys. Across Bar, the only thistle-like plants with white spots plus are Helichrysum tormentosum Mcallen p. 262

Tyrannus leucographus Cavan p. 262

Elymus marnackianus Bent p. 263

Notobasis squamata Cavan p. 263

Dekmes mottled with various red-brown patches
which is not phalanx but is bald more
than dentate. Pericarpellus fimbriate as in
above. Rosa call this Can de San Juan
because on the day I saw them the flowering
away I ends prove something (probably if it
will be married)

Box, 174, B.M. C.C. 798. All boxes still barely any
petals shape boasts but Box #558 is very like in all respects
seeds very dark disfigured. But in several brown
van project (dike) = Carduus Marianus L

Bo 174, B.M. C.C. 798. All boxes still barely any
petals shape boasts but Box #558 is very like in all respects
seeds very dark disfigured. But in several brown
van project (dike) = Carduus Marianus L
3-4-30 Moricandia arvensis DC. Knut 37, Bat 32
Ben 23 Fr K. Porto. Pi. Pods only 4 cm.

3-4-30 Smyrnium olusatrum L Knut 229
Bat 212 Ben 135, Buh. 25 (will). Fru young fr. near
Puerto Andralx. Note inf. repeatedly branching
erose; petals: broad, thin, ridged, sheathing,
with papery margins which when young
are very on edges; cut stem with pleasant
odor faintly suggestive Angelica but differ.

different.

8-4-30. Anemis nemorosa var. niv. Knut 496  3a 8
Ben 5, Buh. 5, BMOC 273. Fru minus fr. 1, bight
and 1 Andralx. Buh. A. 1 var. dentata. Rourke-
A. micracarpa DC. Ben 566. because. I distribute
seals are "fasciatus nigrescent" index for A.
av autumnalis. Fru 1 Pet. and small lump on
back. Glaucous joint below base of style much flacc.
be elongated. Glaucous glabrous hairie el medio
Sepals 5, petals 5 red (seem nearly nearly
blood red than fire red) with dark spot at base.
Point Glaucous very little curved. In the other hand
the lump on Glaucous may be "un absoluite muy
anchoy aproximadamente estilo brace del estilo" and
points are somewhat hackish but achenes not "profundamente arrugasado" but almost smooth at this stage. Achenes gibbous in front about middle. Sepals more or less ciliate at very base. (See 3-12-32

5-4-30 Veronica hederacea L. Knott 387, Bee 348
Bom 237, 314/1 848 /l: y young fr. edge field just
north of Puerto Andraitx. Cdl wth G. Andrèasaria
2-27-30 Pod smooth. V. hederacea has more
loosening general effect in a smaller mat. Fewer
lobes middle like much more confluence
the larger. Frs usually whiteish or dirty
but sometimes blue on 1 or same plant.

5-4-30 Adiantum capillus Venerei. Knott 562
Bee 534 Very young fronds (or perhaps stunted)
not well developed just north of Puerto Andraitx

5-4-30 Chrysanthemum Coronarium L. Bee 2-4-35
Rays creaming with yellow centers. (Cdl wih spic
and yellow rays 2-27-30 Son Roca) Field west
of Andraitx with Adonis.
3-4-30. Senista livida Camp. No. 21. 60. Bar. 156. Fl. not. Covering a hillside on 12% incline. Stems to about 3 ft. (pulviforme). Branched and spiny. Stems except on the short fl. branches Back gray reddish. Branches and spines green (not clinging) furrowed, more or less pubescent with short appressed white hairs. Main stems bear spines. Also branches with branch spines again. The ultimate branches (1\% in long are spine pointed whereas all spines 1\% in long, form not more than 1\% apart. Old spines have what seem stipules. If at base v or fl. at young spines are growing in axils, 1\%. Fl. stems at tips branches about length of a spine (a little longer) grow at base of a spine on the out (down) side. 1\% about 6 mm long lanceolate or obovate lanceolate, entire, more or less curved with short appressed brown hairs and also fl. 2\% calyx. Stipules very small joined at base with 2 short subtriangular points. If broadish flat. These seem to be 2\% fl. in length. Stipules broader than others. A 3\% placed between them 1\% slightly above as to give effect 3-\%olate fl. The other few (2-4) boxes flat and closely simple v. alt. when young spines in axils, fl. (about 4) in axillar linceolate on very plain pedicels which lack 2 linear at base, at top. Calyx 5-\%ed to below middle into linear lobes, the
lower lobes rather longer than the upper & the upper sicnes broader than the other giving calyx a slightly oblique effect (but hardly bilobate). Fl ¾ in overall. Standard, not crested, strong, apex as long as narrower wings but shorter than keel. Corolla yellow with few smoky bands like those on calyx on back 3-standard & keel. Keel straight falling downward in immaturity so as to expose the midmodtaculars stems & slenderable which seem to be articulated below the slightly upward curving and shaped apex. Crown almost at base with at, not bifurcated basis at apex.

3-4-30 Erica catina Lain in IV 23 Bar 38 Bon. 21 B. MRC P. 309 Fly young & Field best Andraitx v Palma. Pod not articulated, cortyledons cartilaginate (not Carrichera & Soccoria see Bas 23).

as prob. pod (now 7 mm + 8 mm 3 delt. x 5 mm wide) will whith 6 rays be proportionately longer. Seeds many in 2 rows. Basal articulably planeoville attributable neither petals nor phalides, brown with hairs on midrib cap. Blood beneath otherwise smooth, crenate pinnate pod. Basal has gone except in earliest fl. St. terminal liniate. St. leaves small, to 2½ in, deeply
3-4-30

Janetified into narrow sometimes toothed segments (see see Bar. 28, L.B. at 4, suggest Bonell P.A.), natural nerves 9 of (Bar) not evident. Fr. plump with sepals as wide as narrowest dimension. (See 3-36-20)

3-4-30 Cistus salviifolius L. Knitt 175 Bar. 47

Bar. 35. Bud v. last yrs. fr. acrostichid from 3. Clearly. Cistus because pod o-celled. 75 seeds. Odor balsamic noticed. Anths. bright orange (See 3-26-20)

3-4-30 Reseda lutea L. Knitt 39. Bar. 54. Bar. 38. B.V.N.

53. Early 42. Roadside 1st. Andromeda Velina. 3 petals from broad base ending in the others. 4 with a broad base which curves on the side 3 segments rising below the apex of this base, the 2 in the one broad-obliquely fan-shaped, the middle one elliptic-ovate-oblong-linear (exactly as in ill. 15 B.V.N.) 10 v. consisting mainly of wings petals (amid ribs) divided at top of these small divisions again divide into 2-3 mm. narrow segments. Styles 3. Calyx. lobes, very narrow. Disk. persistent. Vas deferens on stem enervate. Small calliaries more evident to touch than to eye. Very slightly apparent on lower leaf (See 3-17-20)
3-4-30 Vinea media Hogg. L. # II 305. Bar 309, Bon 312. Fl. Along stream from Andraitx to Puerto. (See Bar 309 v B.M.D.P. 405 Index V. major 1) Throat from V. major in that it is 2 lobes not at all ciliate. 1st not ciliate 2nd from V. minor 2 (as remembered) in that fl. stam. studies to 12 in. base yellowish, ovate, rounded not narrowed at base. Corolla 1½ in wide, pale lime blue, lobes not cap "aigües" (Bon). Sterile tracking at not noticed See 3-14-30, 11-17-30

3-4-30 Populus alba L. Bar 428, Bon 384, B.M.D.P. 428 RM 225. 5 ft. Rd bet. Andraitx v Blma. Same as 6 Riccio coloris, scale jagged along ciliate. Bottom of tip yellowish red, base brownish yellow.

3-4-30 Cornilla juncea L. # II 111, Bar 448, Bon 90 FL. Puerto Andraitx behind "Ambustero" (See 3-26-30)
3-4-30 Lotus Creticus L. KT 99, Bar 131, Box 81
Fl on rocks above, bay behind "Ambreus" at Puerto Andriortx. Matte, height at 1' 2" ft, the lower half-matt. Petals 3 + mm long, stigmas 9 mm long, but more rather than oval lanceolate, and oblique (see L. A. limitis Dar = L. creticas), as corylodes Km.
The 2 lateral calyx lobes much shorter than the others, wings much longer than leaf but not entirely coriaceous at base. Standard with edges rolled backward, making it look narrow, lightly veined brownish. Central 1/4-1/3 mm long, and thick, pale. In same locality as 1. exseedle minute Ward. 7 x 5.5 mm. Curtis. 4-14-30

field behind "Ambreus". Exactly as in Km 66. Ped. uncleaved, not quite as long as leaf. Upper lip 2 calyx longer than lower, slightly hooked, notched. 3-30 430

3-4-30 Lotus salicaria L. KT 90 Bar 82, Box 81
Fl near above. Thick, base root remains. Runners (underground at 22 Box) far back new runners developing. Different Calyx with purple vein in each. Below otherwise similar with slight. Corolla yellow, standard sepals red, wings slightly 36. Kell purple.
Stiphula
Brown at tips. General effect much like L. argyrophyllum L. var. Bux.* 367. which
considerably or often in 2's. Stipules
broadly ovate, more or less oblique, with rounded
base directed almost endwise (see 3-14-30)

9-4-30 Silene
Fl young fr. Puerto Andraitx or toward "Au-
bravantes." Thin, high from a strong white stipe, (young) branches seem to indicate they
from small.) Bracteal (6) from base. Y, slender,
green or reddish, with appressed downward point
white hairs. Lower lid apiculate to 14 in x 1/4 in,
pointed, purplish, + white at base, often purplish
forward. Upper lid in narrow, whitish, not
opened flat. The largest branch dichotomous.
Bracts 2 x base, each pedicled, arrow-shaped, white.
Fl 2-4, peduncles 3-4 cm, pedicels 4 mm or much
less. Calyx to 14 mm, enlarging somewhat toward top,
best 3 mm, markedly calicinate. 10 purple-brown
enamomining at a flex. Calyx of the purplish

plain, have enlarged scales, but
no part of palat nectar is glandular. Styles
small 13 mm across, very pale pink, pedicel
3-petalled, scale white 2-3 cm, claw exerted
about 2 mm above calyx tips. Stamens just
just visible at throat. As pseudocarp, calyx grows larger at top, hydropod is cone capsule at this stage. The entire advance is in seed 6mm x 5mm or stalk 5mm long, 3 scored in pubescent. Ovoid reniform, flat or sides, groove or back otherwise smooth. Inflo not readily scooped 1-sided. See S. decumbens seen Ran 579 which for B is in S. sericea All forms antique kind. 1 and 469. (See 3-13-30 from the same). Calyx somewhat unturned. [Perhaps same as 6-28 7 3-23-32 which New identifies as S. sericea All.

8-4-30 Silene

young fr. buds. Puerto Andraitx or toward 'Santa Barbara'. St. E in sample but going to branch at lower nodes, pubescent with short white hairs with enlarged purple bases, not appressed as in (A). Based 6 almost in rosette. Late to 1/2 x 3/4 in. Ten purple or with white hairs (some with enlarged purple base) cap. beneath. Farther than (A) love the young branches similar green, very long dilute at base (not linear as in (A)). not scooped 1-sided? Fl. always sessile, the lower 1/2 in below the 1st the rest close together. Calyx 10 veined x some veine purple but not the distinct handsome markings of (A) more coarsely pubescent than (A). Petal
 seeds. Petals greenish-yellow, divided at top, scales very rudimentary, ovary narrowly obovate, 3 x length of st. The ripe seeds scintillate, back broad, constricted transversely, the sides so distended that the back should probably be called winged. Beasts lanceolate. Calyx not at all umbilicate.

3-4-30 Plantago Coronopus L. Mt. 436, Bon 259
Bon 380 (ell). Bar 381 (var. not determined) last season without fls. Puerto Andraitx.

3-4-30 Salix saccharataefl. Mt. 435 =
 — All Bar 323, Bon 142 Fls young Jr. Puerto Andraitx field at top small back side Abreu. Et
 6 in high, branches only at very base. Has six 6.5
8 mm long see 3-11-30 and 5-17-30

3-4-30 Scandia pecten-veneris L. (See 2-4-30)
Fls v. unnamed Jr. Andraitx Puerto. Some umbels
ample, some with 3-4 umbellets.
3-4-30 Hypoxicus regia L. (See 2-31-30) Puerto Andraitx. Kn# 509. Bar 479. Bot. 187. Ill. exact. Fls. 11. Ins suggest this a H. radiata but instead. Pointing downward are only at 14 25 to 45tribe in slightly pointing upward. (See 3-14-30)

3-4-30 Seriola aetnensis L. (See 2-31-30) Puerto Andraitx Fl.


the Cuneiform teguments are still less deeply 3 lobe, with ragged round teeth of
and of erect base. Peduncles & calyces hairy but not
glabrous but filaments of sterile stamens
only slightly yatal Ciliates

3-4-30 Lathyrus Cicera L. Kn 74 24, Bar 145, Boq
88-404 young fr. Field & Andraitx v. Polena. (Was this
the purple fl. seen in fields & plots of 1.3 acres?)
(See 2.4-4-30) *Dark, the purple fl. in fields of there was
merely Fig. 50 yu. See Bar 143 D to C 1.4. Frequently
seen later this white fl. predominates)

3-4-30 Vicia Faba L. Bar 139, Bar 85, BM C P 391
Fl. common cult

3-4-30 Helichrysum at Becass DC. Kn 45 2
Bar 256, Bar 172. Fls yfr. with Cistus helichrysum
and let. Andraitx v. Polena. (See 2.4-4-30 statements Bar. Bar
7 But to involve H helichrysum & Staphylinum)
(See also Filago Bar 238 4 ill. 4. Photo album 1, Bar 240
ill more flower this ape. is) Plant has sweet herbat
smell. Very high. Rosed & light silver yellow
1st plant 4 in. high with sterile branching having
also no crowded to be overlapped is the same
Andraitx Puerto near 'Andraitx'. (See 2-14-30 B.)
3-4-30 Helianthus annuus L. x = Torreyana — Pachachaca near 36. Buf, Puerto Andraitx towards "Antequeras" (See 3-30-30, see leaf Cont. 1-31)

3-4-30 Orachis tridentata Sepr. (See 2-6 and 2-37-30) Puerto Andraitx on road towards "Antequeras" frequent. (A) gen. eff. pale, (B) as thickly, lightly spotted that gen. eff. almost purple.

3-4-30 Alphya fusca Link (See 2-6 and 2-27-30) Puerto Andraitx towards "Antequeras" common.

3-4-30 Pteridium aquilinum Desf. in II 583 Bar 288 ft. Puerto Andraitx perks 2 small bumps at 200 end of town. C's with Pr. & ol. bar 2-25-30. (a) perhaps only a form that Plant much coarser. To so much thicker deeply divided (noted) nearly sinuately toothed midrib very wide, prelude thick (in stead Colandra), club i e tracts with costa base 1 several rows have the white scales in the margins with outward curving tips - minute 3. (b) few outer tracts much larger than the rest banding scarrows margins. Inner tracts with many ciliate tips & c. with very definite cilia.
projecting just below tips. (Similar wings smaller & inconspicuous at base) P. milgari
Pap. yellow, purplish at base. Stems freely deflected
with many glands.

3-4-30 ? Salseta, Calif. Rif T 444, Bar 399 Box 270
BNI. 386 (ell). Dried at night for a few days only but
ident. almost certain. Puerto Androsia!

3-4-30
To the fr. Drummondia & Androsia, Puerto De Sylvae
as Chloris plumosa. 4-18-30
(A) 3-4-30 Lavatera Cretica L. in F179 Bar 77. Bor 56. Bud & young pts.Rather Antherita & Palma,Stronger almost erucrated with starry hairs lvs. calyx 6 to 7 starry hairs. Lvs. more than 1 in axil of buds just before opening strongly reflexed. Stamens tube hairy at top, but not in definite little leaf. stigma unequal, united. Leaves differ from (B) in being more deeply 5 - lobed (outline a little like maple lvs.) Fruits tender, lavender with darker veins, much lighter than (B)
(See 8-11-30)

(B) 3-7-30 Malva sylvestris L. in F179 Bar 76. Bor 53. Bor 4.93 (Note lvs. are rounder & more all-runly 9 - lobed than ill #197) Collected by Mrs. Hillice near Son Rapiña, raiso on #18 lvs. the often glossy (especially in lvs.) are longer, looser, fewier, & softer (insisting no erucrated look or feel) Carded 1/8 in these, petals purple with deeper stripe stripes. Seeds almost not united to (A) but sometimes one or more edges slightly united

8-10-30 Echium Calycinum Vir in F175 Bar 313 Bor 323 Bor 223. 51/2 unattached. Fe. Terrones (See 8-4-25-30) Lower flow extra axillary & sepals grow larger as seeds mature. Dots backs are not brown at base & might almost be considered out - Condite. stylo
3-10-30 Rhagadiozus stellatus D.C. Hutch 512, Bee 299 from Calle de la Salud. 2 1/4 in. high. Need 3 1/2 in. high. Dist. tracks 7, linear with at base linear or linear. Leaf base, point of leaf at base. Recessed naked, papery, none. Stem not as dense. Bee but strong, spectacle, very slightly sinuate-denticulate. Nov 6. pubescent. 8 1/2 radially slightly below fl with fl. bud in axil. 3-17-30

3-10-30? Jasminum nudiflorum small BMCP 595 (in cat. Casa Versat, Valencia) Fl. Harden, Dupont C. Trailing along walls. Diff. from desc. BMCP in that it is not trailing. Off the blade, the centrose is oval lanceolate to ovate, the lateral ones oblong to ovate, 1/8 in. the lower edge very short, 2/10, closely appressed upward, rough to touch. The short (1/2-3/4 in.) branches for long. Often the leaves fall before the flowering, petals not to form? Both above and below. Flat leaves in more or smaller leaf tracts but these can hardly be called leaf tracts. Cotyledons yellow, more a less tinged reddish outside, double, 1/4 in. wide, tube 3 in. long, 40 st. 2 is roundish, somewhat notched.
8-16-30. Jacobina grandiflora L. BM 30976
See Kiu 58 v Bot 369. Fl. everlasting one or 30. Ultimate
tubes of the calyx not distinctly defined. 
St. barely angled. In Sept. to 8-7, the upper one
not always distinct, much darker green than
above. Fls. in open clusters. Single. Cotyl. in
across, tube 1/2 in white, tubes outside 2 3 petals
red. Fragrant. Coronary plant, lobes narrower
linear not more than 1/2 in. Amnes wider than lobes. [See 6-3-34 for f. speciosus]

8-10-30. 1? Present Hypantheum cordifolium
BM 287. (See Kiu 51) Fl. Edging plant Infanta 8
in thick, many petioled. Petals light orange purplish. Styles
5 swollen at middle, in many 4 untwisted, when connect
in spherical, smaller than 5 in. Stamen. Petals united
at base, stamens filaments merge into petals. Cappod
loculos

8-16-30 Rupeae Hypoglossum L. Bot 443, Bot 802
(See BM 54, the 8 ths. Rupeae Infanta 8.
Cladeas not a spine tipped and in P. aculeat. It
only 1 nerve or 3 only in broad and tending
at end. A dark purple tube surrounds
spike if (perhaps reach stamen tube in 5 ths)
Cladeas 1 1/2 x 1/8 in form oval but often hanging
(i.e. color downward from about middle, pedicels
multinerved. Fl. bract definite 1/2 in long). [See 18

3-16-30 Centaurea canadensis. (See 3-4-30) Bud Dump east end Calle de la Salud.

3-10-30 *Erodium moschatum* L'Her. (See 2-4-30) (See 3-27-30) Fly fr. Terreno. See B.M. C.P. 434. For detail this are *E. Circinatum* L'Her. This has at light green not at all red, large whitish membranaceous teeth atifolious, fertile flaments broadly at base with often an upward pointed tooth at top of wing on each side but sepals are tipped with 2 or 3 bristles no longer than the hairs on sepals circular like them.

3-10-30 | *Fumaria Caerulea* L. Knuth 8. Bae 23 Bon 14 B.V.H. 23 Terreno 3518, Calle de la Salud. Fls. white; the lower ones winged purple at base; tops very dark green outside, purple inside; 10 mm long excluding sepals.
3-10-30
Tip macrostachyos looked at from below. Sepals as broad as corolla. Corolla about 1/2 length from point of attachment. Main st. 1 incl. 2, veined, strongly angled. Pedicel looks as though might be thinning later but are not now.

3-10-30 Hordeum maximum. L. Nash 5/13 6Al 5/11

3-10-30 Lananecia aurea Moench. Nash 317, Bon
265 = Cynodonc australis Nash 5/35. Agrees with desc. except that (at this stage) only p. 1 effect is silvery green not gold.

3-10-36 Cynoglossum creticum Vill 19301 = C. fastanum Curt. Drum east end Calle de la Salud, Bash. Boraginaceae. stunt, soft, pubescent, has large to thin, lanceo.

Long, long, ones peti led, upper ones sessile, partly clasping, entire. Corolla late with scale at base. Pedicels with bracts only at very base. Connectiv.
Cynoglossum pictum Act. Bot. 326 (Sep 3-17-30)

3-15-30
Vine on stipes 8. Infanta. Fr. white, obovoid 1/8 in diam. 2 cells with about 2 wedge shaped, black, reticulated seeds in each cell, attached axis. Crown superior to about 6 toothed calyx which is articulated with pedicel. With a frame of the lower branches surrounded by alternated petioles. See 3-2-32. Prob. C. nostrum


3-15-30 Teosmoria Capensis Seem. B.M. C.P. 687
Garden & Infanta. Kn 851

Bougainvillea
3-10-30 Bougainvillea spectabilis mill. B.M. C.P. 205
Kn 851 Garden & Infanta
3-11-30 Plantago lagopus L. Nutt. 409, Dee 380, Bon 2360 Fl. in Wall Estab. 1 Apr. S. Raphine.

Plant. exc. Bas. (Not to Nutt.) Exc. to Bon, since leaves are 3-1 in wide narrow to 3 petals not more than 3/4, this could not be P. grandinus but must be P. alpica. (l.) ross-nerved, lightly puberulent, very minutely distantly toothed, peduncle a dark green, ciliate ridge often united toward apex. Bracts pale, with one evident pale-green nerve, dark tip, ciliate. Calyx three conspicuously adnate silicles. Corolla yellowish with tops dark. Flower seems to be 2-celled with 1 ovule in each cell. (See 3-21-30)

3-11-30 Rubia pallescens L. Nutt. 428, Bas 319, Bon 138, 13 & 319 ill. Like young fl. Wall Estab. 1 Apr. S. Raphine. 100 at 3/4 verdant green. Young fl. reddish brown. 100 to 44 mm long. 4 mm wide nerved at top point, linear-lanceolate, more or less long, anagastria (Bar.) 8 flabellata (kn) or perhaps flabula longifolia (kn) (See 3-19-30; 4-18-30)

3-14-30 Sacc. laeiblium L. (See 3-4-30) Flax Estabiments.
3-11-30
Radhey? Pa some sort. Pet leaves funnel-shaped (evidently thrown away) with 18-30 lugs with
of bright pink flo. Pet. 24 inches or 26?, at least.
In long. Stem mid-like, not quite smooth. Leaves somewhat
roundish.

3-11-30 Lavatera cretica L. (See 3-4-30) Fl. 1st. Estab.
y Son Rapiña.

3-11-30 Eucharis rotundifolium L. Bot 128, Ber.
82, Box 57, 2041 Hill Fl. 1st. Estab., y Son Rapiña.
Fl. small, white, less than 2 in. wide (as remembered)
Carposcory, jasalventa (see 3-11-30)

3-11-30 Muscari Comosum Mill. Bot 375, Ber. 445
Box 346. New. Establiments. 10.40 in. broad while 20
M. Seaevosum Mill. Coll. near by were less than
8 in. broad. His not epistic than some.

3-11-30 Valerianella elatior L. Bot 435, Ber. 439
Box 145. Fl. Establiments in well short distance
on road from train line. Inquisition 22nd Box.
3-11-30 Muscari racemosum Mill. (See 3-25-30)
Fl.Deal Establiments

3-11-30 Ulmus europea L. Bse 38 c The east of
Don PapiÌ±a Creek had branches from base trunk
with large gray bark 2 small bns. die 2-14-30.
The shoot seen frequently just comes from old stump or roots.

segment strongly toothed. Root not H. Horses applied
since that is not common since winds. Bns are very distinct & except to upper leaves. stunted 3
leaves slimmer than parents.

3-11-30 Aegae Sow. Delicat
Same as 2-29-30 Establiments. (See 2-27-30)

3-11-30 Rhamnus alternifolia L. Same plant as
2-27-30 with 3 Fts. to garden on east side of rid
from Establiments to Palma.

3-13-30 Scoly\lon
Fl. garden & Dustin. See B.M. L. P. 483. Canthell
if not compared I cannot tell that separate from axis.
Each cell many celled. Stamens column
bears anthers obliquely top. Undivided stamens.
Cotyled (2) 5 in long, yellow nematode.
Posed lobed (2-3 with 2 don't close at base), the middle
lobe much longer than the other is a little longer
than the undivided part of 1, acuminate not
mature in nature. If edacto smooth above
element as beneath, more or less atellite pubescent
beneath. Petioles slender. Calyx 1 in long, divided
beneath middle, atellite pubescent. Clergy atellite
pubescent. Stigmas capitata.

3-13-30 Citrus Limonia Lacteal BM 1C P 4462
C. Limonum Riso Bar 89. Garden & Infusin
Petiole not all winged but margined ½ in long.

3-13-30 Acaecia necifolia Cunn BM 1C P 4239
Garden & Infusin. Head long bores tit this than
not in BM 1C P. Phyllodes to 3 in x ½ in acute or
 acuminate. At each point where it flask to the
 receptacle I had a reas if leafy stem organ with
puncture disk at apex. The disk of leaves fairly
in bud but is covered by stamens in aft.
Very fragrant. These may be subdendron leaves.
8-13-30 Acacia longifolia Willd. (See 8-10-30) slender
& infanta. Each fl. subtended by bract similar
to the expanded tip of bract (?). (2) above, not quite as
disk-like. Not fragrant.

3-13-30 Dombeya
See BM JCP. 498 like D. Wallichii Backw. except
that flo are very delicate pink. Iarden & Infanta
Tree 10-12 ft. no trichomes. Ovulate 8½ in. diam., petales
Pubercent abax with simple hairs, stiltate hairs
anteriorly, beneath more softly pubescent & stiltate hairs.
Petal 5½ in. Sepals ovate, acuminate to
½ in. pubescent. Peduncle 5½ in. with 10-2 bractlets
(at sepals) near top. Flo in dense head with
involucre 1½ in. bracts fimbriate. Each flo with 8-10
Ovulate bracts fimbriate on one side. Fruit with calyx
Bract not connate. Gardeners called this incorrectly
Remember D. Amabilis. Prob the same as
seen in Bermuda at La Farga elsewhere.
Every pubescent.

3-13-30 Cleranthemum anethifolium. Brown
BM JCP. 766 Iarden & Infanta. Its green, green
so considered this instead of other possibility
C. frutescens L.
3-14-30 Choisia ternata 1. Knoll 288 Bar 314

Bou 214. Bt 314 = Blackstonia — Nudus BN 314

Bellver, usually found that somewhat eaten
by wood. I do not tell numerous here (see 4-10-30)

See 4  83  30

3-14-30 Valerianella crassipes. Dear me! Truncate

Loew Bar Knoll #33 = V. truncata Betche. Bar 146

V. truncata DC. Bar 233. I find young

for Bellver, partly east from gate. Calyx very

exactly like ill Bar. Plants 1/2-4 in. Hard to

identify from Bar. Unit of calyx 3-4 minutes

can not tell if "reticulato-venosa" novices

allowing 20%. St simple from base, dividing

into 2 parts only near top. St. very lightly
divided in angles at the entire has not divided

on edges on most ribs. Blades broadened at base

"alabardadas"?) and very slightly ciliate. Can

not see if the concavity at top is surrounded

by a piliform rib. East purple. Calyx almost

circle with one point in ill Bar. (see 5-26-30)

[Perhaps V. melicarpa. Lois see 3-13-32]

3-14-30 ? Filago germanica. Truncatus DC

pars = T. stipitata Mend. Bar 287 and Guadalajara

apart from N. Bar 173 (see also F. germanica 2

BN 238.) Bellver, path east from gate. Plant only
3-14-30

only 2 in length in very early bud. But the white cottony tips narrows to a needle base, the similar (thicker barrowed) lvs immediately under fls, the cottony bracts with very acuminate smooth yellowish points all strongly suggest this identification (see 4-4-30)

3-14-30 Phellodendron angustifolium (see 3-14-30) F. S. Bellers

in (with types collected) 3/4 in less long.

3-14-30 Cyrtocorydalis l. (see 5-3-30) F. S. Bellers

only 6 in high. Wings open to horizontal position leaving beak exposed beneath. Fls 1.1-1.3 mm long. Very young problems crease on back but is not curved. Calyx not always a purple veined as 3-4-30.

3-14-30 Euphorbia peplus (as 5/3-30) Bellers

F. S. F. 5/3 in. Plants + 3/2 in. Indent. esps by the slightly wavy fls rising on fr. Seeds were 2 longitudinal rows of 3 pits on each. 1 row of 2 pits on each side + 1 elongated pit on each side of front. Wpa small white conical appendage hands greenish brownish with light colored (sometimes almost white) slender tips (see 8-19-30 - see 5-13-31)

3-14-30 Anagallis arvensis L. (see 2-4-30) Beller. Pl. blue (my only one yet seen in Majorca) has very conspicuous dark spotted beneath (see 8-30-30, 9-10).

3-14-30 VaUantia muralis L. (see 2-14-30) Beller. St. amenable light, no stem, fairly smooth except for spiny projections, crown high (as remem- bered in 2-14-30).

3-14-30 Serapias Lingua L. (see 2-20-30) Beller. Path towards from gate. Tongue varied in color from creamy pink to deep pine-green. (See 9-27-30)

3-14-30 Sicymbrium Lieb. (see 2-24-30) Road side Terra. and of with this

3-14-30 Sicymbrium espinosides Deft. R. II 31 Bar. 34 Beller. foot east from gate. 3-4 ft. long not
3-14-30
Sanguinaria. All leaves reduced, primarily 3-leaf, 3-seg, coarsely serrate, toothed, the terminal seg larger and without downward pointing tips; the lateral seg linearly narrow at base. Flower low, very small. 5 st., greatly elongated, pedicellate 2 to 3 st. Seeds 1-seeded, angulum flat, inclosed, pedicellate, puberulent on upper side. St. leaves smooth but base furrowed hairs, young parts sometimes puberulent.

3-14-30 Seriola reclinens 2. (See 2-24-30) Bellver 2 to 3 in. Euphorbiaceae, epidermous, leafless except for small leaflets at lower joints.

3-14-30 ? Crepis taraxacifolia Thul (See 2-25-30) Bellver. Pl. Plant thought to be same as 2-25-30 because leaves ovate, 2 to 3 st., cuticle except for leaflets at joints. Basal leaves broaden from narrow petiole base with a few low leaflets. Half-matted, recurved lobes kill about the middle. Receptacle obovate, alveolate with repent fringed rim around each depression.
3-14-30  Eucryphiunum pscloides F.W. Schmidt
Bellver. Plant grown instead of A. Dechampsis
because the 1 in. of root collected is not black
and because involucre of white hairs
is not at all tormentone. But note that
involucres are black, marginal is termin-
al not self large. Some if low have lower sides
undefined as to be almost spatulate. In soft light
green, pubescent beneath. Edges with wreng, divergent
low but very sharp pointed teeth. Fos light yellow
Reptacals with depressed outer bracts.
Becomes 3-winged at base, the beaks of the exstamens
curved inward. The upper bros undate clustering
tapering into long narrow dentate lobes.
(Ed & Dechampsis F.W. Schmidt 3-20-30)

3-14-30 Hypocrea radiata L. (See 2-35-30) Bellver

3-14-30 Hypocrea acuta L. (See 3-4-30) Bellver. Cf.
withator.

3-14-30 Sonolus tenerrimus L. (See 3-24-30) Bellver.
From wall running east of gate.
8-14-36 *Papavera Ltrzymałica* L. (6x 3-4-36) Flowering. Belliver. Stamens usually 6, sometimes 9, filaments almost, anthers large. Calyx lobes thin as to be hardly countable.

8-14-36 *Convolvulus* L. 10 in high, glabrous, except for a little tomentum at base young blades. Lateral indumentum young for basis quite distinct. 1x (not branches remaining consist of) simple blade widest at base with shoots protruding downward and with slightly curved (constricted little if any above base) on a long winged petiole which more or less clasps at with pointed lobes. Blade ovate very acute. Sepals linear, proper leaves under leafy more or less clasping blade the uppermost being acute, clasping with pointed lobes. 1-6 heads. Seeds brown, ridged with the ribs cut finely transversely. Prob. a form of *S. busseolus*.

8-14-36 *Allium Chamaemoly* L. KnI 369, B3 438, Bon 398. Fr. Belliver. Only 1 clump found on path east from gate. Bulb small, oval 0.5 in × 0.5 in diam. Outer 4 flat solid enclosed in firm white tunics. 1 part of brown coverings partly the white layer previous year. No odor. 2 linear 0.5 in × 0.5 in, soft, long-elliptic. Edges. Scape 3 in. Flowers 5-15 flower. Capsules nodding, 8 black seeds in each capsule.
3-14-30 Lonicera simplicea Ait. KnI 431, Bae 217

3-14-30 Clematis Flammula Ait. KnI 481 Bae 7
Boo H. Sealed 131 ACP Belligers
As fr. fr. see KnI Pl XXXVII fr. 192 C. ciliata
only other C. in Majorca. Young short; visinich (sh.
young) dropted, lightly rusty pubescent esp. top.
Well somewhat pubescent, the very young ones
markedly so. (Atte 7' - 25-30 div. C. cilicata as
much divided as 11 x KnI 73 XXXVII)

3-14-36 ? Delycia
Grass by side of road Celia Belligers. Finelinite leaf
particle with general both 7 P ea. Each scalelet on
short pedicel (.5 mm) which enlarges at top. Spikelet
often 4 fl. (perhaps when less. It is known some
fl. have fallen) with raceme extending slightly.
Glumes herbaceous, slightly white margined
lower glume 1.5 mm long maroos, inner acute;
upper glume 3 mm long, just 2 x as broad & nearing
as broadened toward top, 3 terminal nerves but not
rounded. Both glumes smooth. Fl. not about 3 mm
long, somewhat flattened laterally but lemma
hardly healed. Lemma narrowly
hoaryline on edge deeply cleft at apex (about 1/4 total
length...
3-14-30

Lengths) Apex rounded with minute cleft. The
5 nerves, all definitely woody, do not extend into
hyaline portion. Palea imbricated, the nerves as woody
as those of lemma, only minutely of a tall slender
seed plump, with many fine furs and linear
fairly advanced towards a definite white cartilages.

Appendage (reptant style) at its tip,
was 2½ in long by 8½ mm wide amount, Ligule
hyaline 3-4 mm long. Sheaths closed part length,
sometimes almost to ligule. Culms somewhat
compressed. Nearest guess is Glycine sp.
not in any gardens.

3-14-30 increase, Alex L. (see 1-25-30) Bellevue Early or

3-14-30 Calamintra Nepeta Sena forma menthaefolia
Rut 343 part = C. menthaefolia 10 Bar 363 the disc
which this closely resembles 26 flo. plant with remain
flext. sp. infl. Bellevue C-1 cornice. 16. 4' in flat
surfaced with spreading hairs in gray green w. a thin
arm above, showing plainly beneath. 1 5 mm
diam. A. Inf. 1 compound consisting
of a pedicel read 3-3 fls in axils of upper
flo. (those fallen) and shaped licate leaf
at 2. The umbels on opposite leaf turned 20° to make will. One sided. Calyx 6 mm.
overall, the 3 upper teeth erect, short triangular and hardly ciliate, the 2 lower ones
very long, 3 mm. and shaped curved inferior
and hardly ciliate. Tube somewhat another
near base. Flowers with definite ring glands
rare: Does not agree with those of A. Nefert. Br. & H. 363
Bon. 149. nr., with C. Acina, Br. & H.
bro. strong but hardly fertile.

3-14-30 Rhamnus alternata L. (See 2-29-3173 01-30) Same about 5 ft. Bellows extreme S. 2 Cream

3-14-30 Arctostaphylos uva-ursi (See 2-4-30) Romynes.f. Bellows. Berries (ribbed) large, ½ inch diam. almost
rug. on top with fluted epernum around edge. Seed about 96
longitudinally ribbed. [Note 2-31-30 Coste 174 24 "fruits verts"
20 plus three ¼ minuteigers].

3-14-30 Erica multiflora L. (See 2-4-30) Bellows
179 young growth bright red.

3-14-30 Lavandula dentata L. (See 2-4-30). Stamens

3-14-30 Rhamnus alternata L. (See 2-29-3173 01-30) Same about 5 ft. Bellows extreme S. 2 Cream
3-14-30

Stamens" doblados sobre el labio inferior" Bas 853 "appuyés
ans la livre inférieure" means that anthers rest
against anterior part which is in fact in posi-
tion as usual in this family. Cultivar noted.
Costa Grandes east inside 20 feet. Stamens included.
The upper (cleft) parts not and completely fused.

3-14-30 Verea media. Hfug 114 (Sec 3-4-30) Bellver
extreme S.E. Co.

3-16-30 Arenaria serpyllifolia L. KfT 451 Bas 68
Bos. 50 BvH. 71 ill. Rides 3rd Terrero. Gallido de Manjo
(Sec 3-26-30)

3-17-30 Polygala myrtifolia var grandiflora 190
EMF P 451 Fl. from the bouquet hotel Las Calela. 12" in
height very showy flower. The 3 small sepals profusely
pennate with green nerves "midnerve" and well
projecting beyond the ciliate tep. 4 sepals petals
very hairy on upper edges the limb of each consist-
ing of oblique 2 erect lobe (three or four) & a long
slender forward curving lobe. Stamens tube sim-
ilarly hangered edges have lateral edges longer
than base. Corollas crested at edge. ovaries in each cell
smooth, pubescent. Young stem only slightly pubescent. The 2 in pedicles numerous, has 4-6 cells to 3 in x 3 in (several species, all alt micaceous except but not entirely flat.

3-17-30 Salvia
Fl. Harden. Minn. Shrub or spreading, wall on ground line short, leafy stems. Vernilike, 3, 3-4, they 3,4-5, except as to leaf which are more than 4, rounded. A tendril at base rounded at apex, smooth, definitely cureate except at apex of cell, dull green above, slightly cream beneath, pointed, nerves also well, distinctly on both sides. Slant to 3 ft. with slender terete branches. Tini, obviously pubescent, with short soft hairs at nodes. At base of pedicel, the axis sometimes prolonged in long thin downward. Fls in short terminal racemes, axes falling as flowers open. Calyx 3/8 in, upper lip nearly, 2, ovate, acute, entire. 7 mm., the lower lip a trifle shorter, 2 toothed. The teeth rounded a little or outside, 3, 3, 2 nerves ending in sinuses be, teeth. 1 nerves ending in each tooth, and 2 nerves on outside of each tooth. Corolla almost 1 in long, red, cherry red. Tube swollen on underside at top, upper lip erect (not slightly curled in back), under 1/2
3-19-30

Life large (almost ½ in long x ½ in wide) along Castilla atkinsoni. Inside out. Stamens with anterior portion connectives adherent their full length deflected into swollen part of tube. Corolla tube base posteriorly and below plane at which filaments are attached. 2-point white projections which might be staminodes. Outside the base of the swollen portion ends in 2 concavities or pockets, looking from inside these pockets are found to be terminated by flat appendage ½ mm long. Style flattened in line of bend on back, conspicuous (20X). Stamens almost at this stage, the part of disk in which projects below longer than corolla. Pedicel about ½ mm long of 20.

3-15-26 Fagonia Cretica L. (see 2-4-26)

3-17-30 Cynoglossum procerum Creticum Will Matt 301 = C. procerumin Balz 366. Box 325 (See 3-10-30) East file. cemetery is seen elsewhere. At very young Mexico. Close 1 minute dark spots at base of disk.

3-17-30 Galium saxalatum L. (See 3-4-30 3-11-30) Fly file. west 8. cemetery. Note the 2 basal lines of 20.
and much larger than others (2% in x 3% in.), of base at
apex not very small cleft. Fils sometimes with
all 3.5 in. int. 4.5, 5.4 and 19 and 38.

3-17-30 Linaria triphylla Mill Knott # 378 Bar 341
Bot. 293. Fl Field west J. Hennessey Cemetery. Upper up
cleft half its length, lower lip hairy inside, with stamen
valve pressed close against it. (a) (purple, pale terry yellow)
(b) corolla pale purple with upper lip well ligulose,
amain ribule. Less faintly 3-3 parted. (see 4-20-30

3-17-30 Papaver Rhoeas L Knott # 5 Bar 19 Bot. 12, Bw 19
Fl. Field west J. Hennessey Cemetery. Petals flood red with
black spot at base, the black spot with white border
(much wider inside than outside) at top. Petals
very rough hairy. Stigmas 13, lobed radiatingly
overlapping. Filaments nearly dark purple, antlers
olive-drab. Stem, pulsed with only broad base 3
peduncles. There are 3 divided to base in long
toothed linear segments some which are again 3-divi
ded. Cylindrical at top.
B. Same field 931). The same size. Cafe very
smooth, not elongated as in P. dubium. But
if the pale bracts for red associated with P. dubium.
Stigmas 7, lobes less overlapped than A.
Upper 8 so much as in it. Lowery rather
Note 3-12-32 Cont'd. The Podium c. and these tubers for Podium fore finger to the Podium. Previously to the Podium and Podium have been seen. Rec. 1-13-32

5-17-30

rather more pointed at top than A

3-17-30 Papaver hybridum L (See 2-25-30) Some field as of the buds.

3-17-30 Lotus corniculatus L. Kn. #95, Bar #33 in 81 Ft. V in pine for Field west of Kenmo Cemetery. Flo. usually in groups. (See 3-20-30)

3-17-30 Vicia sativa L. Kn. II 114, Bar #187, Box #86 A 128, Kansas City. 392. Fl. Field west of Kenmo Cemetery. Leaf 1/2 to 3/4 in. long, rather angularly truncate and with definite tooth in center. Fl. solitary 3/4 in long, creamy pale green. Fl. very short peduncled.

3-17-30 Lathyrus cicer. Cicer. L (See 3-4-30) Fl. 0 young fr. west of Kenmo Cemetery. Young fr. (1 1/2 in.) almost gone on back. Peduncled about 1 in long with pair of very small bracts shortly above middle.

3-17-30 Ranunculus rugosus Kn. II 272 P. All Bar #43, Box #34. Fl. very young fr. west of Kenmo.
Cemetery. Notable to distinguish bet. the 2 varieties given in Knole. Fl yellow not "pale" Fl too young to show color of cotyledons.

3-17-30 ?? Carduna henniformis Curt (see 2-13-30) Fl sp. Pit west of kniona cemetery. But the same as 2-13-30. Same objections in that: anthers seem prolonged vl capsule at base into little glands / brilliant yellow. Also bracts not quite as long as fl (as perhaps C. pyrocephalaeus) but achieves this almost by yellowing material. Needs easily detached (see 11-22-30)

3-17-30 Carduna littorinum Moss Kn# 298 Bar 318, Ron 218, B84H 318. Fl. growing on Nehaniahnum Farm with at top of hill above Casa Catala in path. Stems yeddie, red Fl. mostly white sometimes red (see Farm, special 3x 4")

3-17-30 Nehaniahnum glutinereum Pers. (see per Casa Catala) 2-14-30 Old plant with 2 seed in "rugged road" from kniona cemetery to Casa Catala. See 4-16-38 (ident. later by dese Casa I 151)
3-17-30 Creosum triococum L. (See 2-14-30) Fl. "rough root" from Kiuma cemetery to Casa Catala.

3-17-30 Valerianella coronata D.C. autsp. dissecta. Loc. Roys from multidentata. Hult 432 = V. dissecta. Bar 23. 1 ft. edge of field near Kiuma cemetery no. side 6 ft. 1 1/2 in. tall, leaves nearly oblong, entire, with few low teeth, upper ones (where S. divide in 3) lobed to help middle, the lateral lobes much shorter, upper ones just under the central one. St. branchless again. Lines entire. Flo in dense, bracteate heads, the calyx lobes standing free from corolla with numerous short tips. The upper part of calyx lobes white, pubescent inside. Top of ovary mostly pubescent. Calyx lobes long hairy at base outside but mostly of outside of lobes smooth. (See 3-20-30)

#196 RBK

3-17-30 Galium
Flo almost ripe fr. West of Kiuma cemetery. Statut 3 mm wide, very sharply 4 angled with recurved paricles on angles, 4 1/2 dull dark green, in 6's. Flower calyx 3/4 in x 3/4 in, 1-nerved, ray rough with 5 purple hairs above, smooth beneath except for recurved paricles on midrib. V. 1/2 mm.
acrossing single in very short peduncles which terminate at short axillary bractlets. Sometimes 2 peduncles seeming from same point. Fr. with peduncles elongated to 3 in. Fr. suberect but with tubercles ending in short at calyx base. Fr. (not hygroscopic) 6mm across both parts. Seems not in Barcelo, why not G.

8-17-30 Polycarpaea Hapllyllum 1 Fl. Nut #58
Back 126, Bon 108 BUS #79 Fl. Potentia Gladiolus
Cemetery. (See 12-10-30)

3-17-30 X? Herniaria Liricata 1 Nut #67, Bus 180,
Bon 109 (See BUS #82 Potentia Genus) Fl. West of
Gladiolus cemetery. Flat on ground. Pappus not
appreciated. Loc x Long 3mm long x
than 2mm wide, pappus set, two bracts
crisp, atropine. Loc seem to be alt. with a bend
beating if approaches 3-4 ft. Calyx seems
usually 4-5 part, (seems usually 4), pubescent, tube 5-6 in, base
no longer than the others. No signs of fr. stals.

Sphages seen always 12, no idea to determ.
desk bearing staminate (see BUS #) Spines 2.

[Note 3-17-32 when studying specimen] 1-3-3-32 subgnot
H. cineared. See all photo #103
3-12-30 Paronychia argentea Lamb. (see 3-4-30) Fl. Westley Kincaid Cemetery. Further note.

3-17-30 Arenaria procumbens Vahl Kit. x53 = Bas Alsine — Egl. Bas 68, Prob set Kincaid Cas Catala, "rough road.

Bracted from base into many long at 15 in high, me as much they may have been ferrate. Some at almost simple, others much branched gray, yellowish green, but only slightly pubescent. Bas of leaf, most pubescent, some others at, linear or narrowly lanceolate, those in middle 15-18 mm x 3-4 mm, those toward base more smaller, linear, very sparsely pubescent (like Setaria) or few hairs on the entire edge might show. Be called ciliation, J2 var. with indistinct nerved, with fascicles from axils 30-200 to have somewhat both Spargula. Jf. Cymose (diclinomous), Bekmale 2 cm. Calyx x 4-5 mm, pubescent, hardly glandular, Sepals 5, erect, blunt, the inner edges broadly with glandules, no distinct nerves. Petals 5, pinkish, not hairy, shorter than sepals, hidden by them. After acrid, margin near apex almost, Apices acute, Style 10, Stigmas 3, many glauces, ovary, somewhat rounded 3 angled, ovary stalk. Reellet. Cnopae none on free central placenta.
If in Barcel, this is only present the strongest
1. "glandulas-nigrae", 2. transversally only 7 leaves
9 internodes. 3) No sepals from "extensio", 20
Red in Bonnet 2 30, 1. Note that branch
inflor. extended by 2 is as that to the
much more by third ill. Oregonensis.
Bonne 172. St. Lasova 9 each intemida
enlarged. See 4-17-20

3-17-30 Melilotus rubens. Dead Not. 20 Box 120, Box 76
Fly young 4. Field west of Kinna Cemetery.
E definitely concentric ridges. I like it.
Butocene not as long as 20. Redcloud consists
only because several buds have fallen. sunrise
Stipules broad at base than "aleuradas" must
suggest. 14 in 1 x 1 1/2 in. See 3-29-30

3-17-30 Stipa Capillata. Lives junee. Not. 392 -
5. junee 1. Box 494, Box 356 Need. Kinna lower
marsh, ligule 10-15mm. "aleuradas" good. Yellow
long hairs. paper narrowed into long attenuate
points 1st. 1st. 2nd 3rd. "aleuradas". Lemma long
hairs, brownish. Stipe of leaf pubescent (white leaf
glomerules) and base. Lemma has same aglet
hairs in line on back & more on line laterally.
3-17-30

lateral. lemma terminations curved, present at base, denticles to tip 15
more. Palea ciliates like lemma (not con-
cealed by it—see BMFC P119) not numerous, evident but 20X when viewed from inside accous
have the bend back down back. Stemena 3.
Stigmas plumose (ruffled at base) at top of narrow
obovate (ellipticate) vary in size and number.

8x. Guns not to definitely geminated
in this case. gun because only in ft.
(see 4-15-30)

3-17-30 Andropogon hirtus 1/ (see 2-27-30) lower
id. Lemma, Arms 35-50 mm. Note that not notiﬁed 2-27-30, the branches (which
bear spicles) are always in 2's at end of long
telea at indicated peduncle.

3-17-30 Saccinaспектala. NM 1467, Brom 48 F2

y f. Stirling 40. Not Ciar Catala. 1-2 cm high. Calyx
9 sepals (10-10-10) with 4. Seeds brown, minutely coniculate.

And shaped in acetacenes at end. Sepals slightly hooked
spike, minutely reticulate margined. Peduncles not
"glandularias." Sepals erect when peduncle. Prosigns 2
petals. See 3-30-30.
3-17-30 Rhipogonum stillatense D.C. (see 3-14-30) west Pekin cemetery. F1 fr. well-developed plant 8-10 cm high. Different. Exs. achene, each wrapped in bract form may laterals to ½ in across, ½ in. subtending branch linear.

3-17-30 Reseda lutea L. (see 3-4-30) F1 from young fr. Stems in wall near corner where railway meets the town.

3-17-36 Marrubium vulgare L. Her. 331, Bas 369, Bon 255, BBH 367, BM/C. P. 478. Near Stevens, Common around dump of coal. First flowering season.


3-17-30 Pittosporum Tobira Ait. BM/C. P. 337 F1 ½ of Os. Cabala. Petals 3½ in long. The same in bed in garden & house. The fr. of this later only just fallen spread in 3 valves with sticky seeds on pericarp not contained much like P. undulatum, in Bermunda.

3-18-30 Hyacinum Balkoticum L. Knott 184 Barze Collected by Mr. Negon, bellator, Keona. Sepals 3, confirmed by bulb, lateral as true petal, blade, green in heel, white on underside. Which is prolonged into point at apex. Petals not noted. (see 3-26)

4-14-30

3-19-30 Geranium Robertianum L. Knott 129 Barze 82 Bot. 57, BM F. 95, Fl. A. Formalutx (Mr. Negon first spee. from Keona 3-18-30)

3-19-30 Orchis morio L. var. longicornis Knott 405. O. longicornis P. Barze 457. (Note Knott Barze 457 seen to consider O. morio L. not in Balkoric see leaf 47 Bot Barze 34, 1301 450 ill. which in middle stage). Dec 3-20-30. Fl. A. Formalutx near point which we turned back. (Mr. Negon first spee. from Bellve 3-18-30)

Note: Knole does not give distribution outside of Balkoric. Like 3-20-30 ex cept fewer fls. 4. vm. 2 fls. 1 fl. 4 pet. 3 sepals are purple, lateral lobes tip my dark purple, middle lobe a lighter purple. (somewhat darker than sepals) this differs from dec. Bot which says 'tall flowers' — with several dark purple spots. All 3 sepals faintly. Sep 5 mm wide at tip.
3-19-36 Allium triquetrum L KnI 321 Bas 439
Bot 399, BuH. ill. Acta Fernaldix along west course.
Very abundant. Perianths seg. white with line figural
down middle. Stamens attached a little above base.
Seeds 2 in each cell.

3-19-30 Asplenium trichomanes L KnI, KnD Bas 352
Bot 532, Bot 399, BuH 586 ill. Spores. Wallwaburx
Fernaldix.

3-19-30 Polypondium vulgare L KnI, KnD Bas 364, Bot 531
Bot 378, BuH 579 Spores. Wallwaburx Fernaldix.
(2) pinnae not undivided at base (a very slightly)
set close together (1) pinnae undivided on
both sides at base forming broad rounded venes
eg. perhaps little more acute than (2) in (1) cases
forming pinnae have low teeth.

3-19-30 Phlomis alternata L (see 2-37, 3-16/14-30)
Floristix as in other cases alike. Growing under
Mysurus communis.

3-19-30 Vinea media a (see 3-4-30) Common
along water course from Fernaldix toRoller
Perhaps should be called raeus, not counting the petals.

Individuals of the species are much larger in fields than in the wild. I have not collected this species near Ft. Rich.

Richardson met a train that said it grew wild.

Each branch subtends by green spathe-like bract ½-¾ in long with acuminate curved tip. Branches (upward part) infl. only collected ½ in long. Leave at base ½ in (in 3 in or perhaps more) pedicel. Spathe of the lower bract fl. Intersp. fl. ⅔ in.; green acute, inner one ½ in green less acute. Each of the 2-4 ½ fl. (non-tubal) seem to remain more spathe value. 1½ to 3½ in. pedicel ½ in. Floral part, rounded below. Tube ⅔ in. Pedicel longer ⅔ in. Sepal ovate, pale lavender-blue, blue all to seg. spreading. Outer seg. ovate, ⅔ in., accrescent inward part, inside aton middle, with a definite yellow fringed. Blade like crest in middle (longitudinal) vestigial in ridges to base, but less definite lateral. Ridges seg. marked yellow around crest ⅔-⅘ in. Dark markings ⅔-⅘ in. Brown around central hyaline to base. Inner seg. oblong to obovate or obovate, not definitely narrow as in garden Iris (below) style. Branches as in iris (more upright than
in below), the upper lip deeply 3-sected & fringed, the lower lip oblong (ending at beginning of fringed part of upper lip) a little oval at apex. Stamens as in red, all stamens come to follet, reaching just to tip of upper lip. Evidently not in Kuselia, Baccelaee Bonnier (see BM CP 171 Expxoxia Section esp. J. japonica, Thun., which we expected Jap. spec. Could this have been recently introduced? Flo slightly fragrant.

3-19-30 Iris

Collected from garden & Infanta 36 ft. north, agrees with J. Sculca. Today, Bis 446, plant that now are 3-4 cm. in. high, glaucous at base, apathetic, at top, so as to almost equalize sections for not more than ½ height = I pallida hem var. aculea Ribet. But note that see to Bonnier 304 & BM CP 172 I pallida has teeth at alternate entirely sections, this agree. has 7 almost white (palely pink) falls bearded yellow. The 2 terminal Flo are inviscous in apathetic. Stems lateral branch ¾ in. short to truncate at end, with 1 sessile Fl. See Inermansia, BM CP 172. Subapsidal.
3-19-36 Viola odorata L. var. alba Knoblauch. Kt. #386
In consideration is only 1 spc. of this alba-leaved var. in Baleares.(Need to identify race. to Baccals.)

# Fl. abor. Fomalhaut. Lab dark green: pubescent both sides. St. Protokales upright 3/4 in. from others at bottom to tip 3 ground. 2 present too.

Leaves underground runners below middle
Sepals lanceolate with elongated tip, pubescent
with widely separated at side, 4-5-lobed teeth below tip, Sepals bluish, 3-nerved. At base, the posterior one truncate; the 2 intermediate ones narrowed into a not 2 blunt tips.

Petals likewise, all ed. Upper petals lying back against peduncle, the lower one rounded or very slightly indented, lateral ones slightly beaked. All petals violet (same shade as cult.

Pros in garden. S. infacts with white at center, the lower ones with frigid. Remain in white

Leaves pubescent. Stipules in all NR to 36. Bracts on peduncle sometimes above, sometimes below middle. In longer than broad (at least 5-eve) v wt. at all along. Fragrant. True petals longer

V. odorata than in cult. violet.
3-19-30 Cyclamen haleucinum Willk. Knit†, 363
Ber. 308. Fl. (fruity) various. Fernald. Knobler considers the different C. europaeum v. crepanatum (see Ber. 209) but not evident in Whitxford.
Teeth of lower leaves very obscure. (see 3-26-30)

3-19-30 Saxifraga triaenophylla L. Bar. 186, Bar. 115
Bv. 195 till. see Knit ✦ 46 8. Triaenophyllaforma
bereniceana Burn. v. B. (which the author considers only one in island). Plants 1-3 in high, all having same fl., but different in hair. Leaves blade (a) 1-3 lobed
5 low 3-lobed, upper ones simple.
(b) all 5 simple, the upper ones flowering. Stylar hairs widely
divergent when petals fall. Cam. walls about 1.5mm.

3-19-30 ½ Cardamine bracteata. Knit 29, Bar. 37
Bar. 37, Bv. 34. Cam. 2. Comm. from Fernald. Knobler.
Plant more delicate with much fewer teeth in leaf
than ill Bv. but quite like ill Bar. Flo. p. 2.
Plant bright green, cortis glossy but like a few
almost ericoid. Hairs esp. on upper side of flo. Seeds flat minutely granular, acuminate.
(see 4-14-30)

3-19-30 Ceratium rotundifolium. see 3-11-30. Fernald.
Fla. Plant 1-3 high. Peduncle 1 almost basal.
3-19-30 Ceterach officinarum. Velld Knt 357
Bar 520, Bon 377 = C. — De BVH 588(22L). Acton Fernald.
Frond 3½ in long per. Young mine scales are silvery white. Older fronds scales brown. Distinct ribs have few scales edging at or on scales from beneath. (No flowers. See 3-26-30 spores.)

3-19-30 Seoograndum Hemiionitis Sw Knt 259,
Bon 380 = S. — Lag v Royol Bars 553. (See BVH 587 for
desc. & genus in BM CP.) Phyllitis) Sp. or mild green
listed at end. 2 broken fronds 2. Fernald.

3-19-30 Selaginella denticulata Spring Knt 269 = S.
— Koch Bars 527 Bon 385.2 vs. shown denticulate only (2x)
Spores large ones, bi in case and small orange colored over
many in case. in axil of glo. Small lateral branchie
that otherwise seems like other branchies. (See 5-26-30
forma glandulifera) BMI 42.187154

3-19-30 ? Sedum laxysphyllum H. Kntt 43.134.8.12.5
Bar 112 = S. — BM CP P319.3
No fl but what is part remaining last spring.
Acton Fernald. See 4-14-30.

3-19-30 ? Vicia

Do the fr. P. Like E. F. Small delicate plant, branched from base, spreading to 3 in. St. very delicate but not so lax, c. 1-g. D. x 2. D. x 4. Lower upper leaf, upper 2 pet. leaf. Tendril reduced. St. very short appendage, leaf very short peti. suite. 7 mm x 3 mm. mostly truncate at apex, very definitely multilocular. Half entire, nearly smooth, nearly terete.

9 (n.s.?)-recised from base. Pubescent when young. Young leaf. 1-continuing somewhat at 20. Stipules small, leafy, staccato, 1-leafed, slender as a leaflet, but little longer, pointed, lacerate, when young with bright purple spot. 1. Leaf from base to leaf base with 3 pet. leaf. Narrowly lanceolate, 10 mm x 3 mm.

197 R3K

3-19-30 ? Festuca geniculata Wall. Very low, Tennis No. 13.5. Grass on wall above Farnalus. Port. delicate fr. lance (n.s.) annual. S. very slender 0.1 mm x 1 mm = 0.1 mm x 1 mm. Fig. 0.1 mm x 1 mm. 1st florescent ovary x 3 mm, 1 mm of ovary above, the entire ovary brown with yellow spots at tips. 0.5 mm wide. pubescent with spreading hairs. 0.1 mm. 0.1 mm. 0.1 mm.
Vulpia arvensis Park. Bar 507

3-19-30

Dentate, almost 1/2 mm high. Style 1 cm +, a very coarsely panicle calyces recurved, not 1-sided. Spathe flat, about 5/16, the upper sterile. Lower glume narrow 1 3/4 mm long including awn-like tip, green at base and red at tips, white with entire margins. 2nd glume 3-4 mm, broader 1 3/4 mm long in tip, broad white margins, mid-nerve little at base at top. Lemma 4 mm, 0-nerve, broad white margins, bi-denticulate, mid-nerve prolonged in seaboat away from extending 2 mm beyond lemma tip. Rachis white, thin, with 2 seaboats, awn prolonged at tips into 2 awns 1 1/2 mm long, tips reaching to tips of lemma (not tips) away from stem. 3. Rachis 1, spathe flat, entire, muticell, pubescent at base. Each floret. (See 3-30-30)

3-19-30 Myrtus communis L. Kn # 315, Bar 174

Bar 167, BM 175 F., Abner Farnsworth (just below point where we turned back) Ripes very much like blueberry. Branches stems in streets of Farnsworth in St. Joseph's Day celebration.

3-19-30 Calyptrate aginesa Lind L. Kn # 58, Bar 104

Bar 69, one past just beyond abov., 1/2 F., Rennis 04. (See 4-4-36)
3-19-30
Tree in garden Hotel Fello: Camill. Soller. F3. Low
opsis, ovate 4 x 1/2 in acuminate narrowly oblong but rounded at base, hardly tapering
or flexible, flowering pedicels 1/8 in long. 2
stipulate, entire. Coriaceous v. thick. Engaging
glumes, base green v. alining above, lighter
beneath. 200 (only old ones opened) shown (10x)
darker green dots. Fine crowned by minute
gray scales not tho looked almost a row a long
abruptly when younger. F3 in drooping
terminal panicle, binated. F. erect, to 2
foot, 1/2 in long, bristly black which detaches
leaves calyx (disk like) perhaps not 1/4 in. Storv
wrinkled. Purls. A Chionanthus or if
not pour. Nigrescent.

3-19-30 Euphorbia characias l. se 1/60 Bец 4-18
Box Z59 Box 485 Fl v. joining se. Abre. Formabtf. Besides
terminal umbell there are a few rosettes arranged some
a short distance below. The brown gland almost
traceate outside, sometimes with slight toloar
but not reminence. The sepals are constricted
along white hairs but not "pointed at the tips.
"lower loc. lanceolate 5 x 1 cm (not prepared) bot.
middle 3/4 x 1/2 cm. upper 1/4 x 1/2 cm.
26-3-24-30


3-19-30? Mononobia

with Formalstw. 30. 7. Plant with almost capillary, very woolly at much bunched near base, with some longer decumbent st. St. pubescent, 1-0.5 cm. on short 1 mm. petals which turn white around at base. St. normally 3-2 mm. 

3-19-30? Mononobia

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The mid nerve only distinct, bright purple beneath, a few hairs on mid nerve and 2-4 lateral nerves or none, edges somewhat revolute. Entubes except at tips 3-4 truncate longer if. Testa firm, becoming carinose with age, falling readily. St. Pet. 

squamulose but without definite angles, hairs of preference point downward. No odor when bruised. M. 3. 4. Mt. Rainier. Verme. 3. 60.1. Cont. III. 12

With 60. 1 of 3-19-30.
3-19-30 & 9 Rubia perigrina L (see 3-11-30) Aln. Fernald. singer for 2 years dark green but dead from 3-11 in being in 4-2. 1 branch 6.9 mm.

3-19-30 Phagnalon cordatum DC. Nutt. Bae 137, Bon. 160. Near Fernald. In bud too small to see alien. (fls. but agrees with these otherwise. Clima famille this.

3-19-30 Persicaria bituminosa L. Nutt. 104, Bae 135, Bon. 84. Pond. Near Fernald. St. flesh. (see 4-4-30)

3-19-30 Purpurea domestica L. Bae 167, Bon. 103 BM [C]. 381. Fl. bud. Tree in garden shortly above Fernald. Stems of 2½ in issuing from glabrous but scale. with young 6-8 fls. St. br. Calyx 6 5 mm. ormentose. Petals make only upper 1½’s. The five stiles mostly at base. Note the 1-ft. usually 3 long linear, petal deciduous leaves at base of calyx. Calyphs found at this stage.

3-19-30 Vicia
Fl. Near Fernald. at luncheon place. Fl. solitary
3-19-30

Solitary cow root. Bas. ellipt. V. sativa - anugustifolia, lathyrisides - peregrine - amplusanpas. 1-2 mm. long, only 1 kind. [H. found. 48 calyces.5 as in V. peregrine hence evidently V. anugustifolia. All. G. much more delicate plant than V. sativa 3-19-30 e.g. H. 3/4-3/6 in. long.

3-19-30 Nasturtium officinale 6. Knt. 29 Bar. 55
Bn. 55, Bnt. 29. Subdivision trench just outside formalix. Tls. mostly in bald. Seeds in 2 rows and no question of root except the lower are not as remembered modes ill. Bn. and Bnt. the aseide lanceolate segments are all pointed. The terminal one is mucronate and have many low teeth in rather mucronous around edges. St. hollow elongated in water and各式 from to vessel. Cr. inherited has water. Brown colour. = Hamp Nasturtium-aquaticum Hylton 13. MJ CP 309

3-19-30 Hedera Helix 1. Knt. 22, Bar. 316, Bn. 306 Bnt. 211
BMGC 558 Fl. 4 fl. just past stivation. Dean formalix. Seed normally 1, sometimes 2.

3-19-30 Arundo Donax 1 Bar. 470, Bn. 354 BMGC 122
Fl. (specie) in water course with stepping stones above
Fornalutx. St. hollow, somewhat edged. Branches of conic rough. Flowers 2-3 bracted. Stem 3-nerved with 3 intermediate nerves at base; the 3 nerves prolonged into 3 micros with a narrow interval between. Ligule short, membranaceous (see Box 276) but see BM, C.P. 122, short sheath with hairy tuft. See Riviera Nature Notes, p. 7-104, cap re to scarcity flowering in Riviera (see 10-23-30).

3-19-30 P. Potentilla replant 1 knit 51, Bae 133, BM 78, Buh 142, if only collected but almost surely this near Fornalutx. Seen also by only Buhler, v. 4-20-30.

3-19-30 Punica granatum 2, Bae 169. No fr. A P. young br. just appearing, blossoms exactly as in Bermuda. Fornalutx

3-19-35 Euphorbia peplus 2. (See 3-14-35) Flying ship. Near Fornalutx. St. is in angle. Knit 156; Bae 4-17, BM 272, Buh 407 (ell).

3-19-35 "Wild pepperc" the evil-smelling Arum, reported as in H. Pollenca—Fornalutx, recently.
3-30-30 Buxus sempervirens

with new growth sprouts and tiny flowers slightly pubescent in shallow groove bet. br. 1/4 x 2/3 mm light green, 20 x 11 mm dark green, Connate, entire, narrowed at base, ovate, slightly flattened at apex, glabrous, along midrib beneath a light (white or) line composed of twin dots (20x). Clusters, oblong, oblong, clusters, Periant. 3; 4 thin small bracts, 2 oval, the other 2 a little larger x 3-lobed. Dome 4 opp the sepals, filaments 4 mm long, anthers 2 mm, yellow, intense. But the stamina at their base what would be thought to be stigma, fleshy, rectangular with a notch in each side to accomodate filament. No sign of ovary.

Pres. diversus. 14-11-33 this again studied x found to be Buxus sempervirens Cote 225

Bc 225, Bbx 404. Bcge 7458.

3-25-30

Lilaecea in garden Infanta S. Fl. campanulate 2 cm across, Perianth. 8, petals lanceolate, 1 cm long dark blue with darker band down middle outside. Stamens 6 attached to base 1/2 reg. the filament blue
broadened & flecked in lower half, narrowed at top, reaching slightly to middle at anthus white to yellowish, seem to be attenuate in middle 3 folded, intense. Bracts with many scales on axile placenta, dark blue, white, tapering upward to axile stigma.

3. Whitish excent or suffused to line on outside mark position of cell wall, hardness says this grow very long, large, bald, has strap shaped, not stigma to 5 ft long x 1½ in wide, tapering slightly to 1½ in wide (stip. blunt). Has somewhat through base in middle but not hilled. Sufficient midrib and vagues with narrow (almost meet m. near base) white margin. Anemonaens entire, very short cellate (or papilate). Flower before scape has emerged from ground, but by time midJune, flower 6 to 10, scape was 10 in to bone 9 in to 1½ in long 8 in to 9 in more. Scape sold 3½ in to 4½ in. Pedicel 2½ in below, 3 in near top 1 in at lip.

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3-26-34 walked up gorge just east of Sèvres taking every right turn until came out on top ridge Will jog down to auto road which at length crossed the Sèvres-Son Papineau Road. Seen collecting in gorge as noted west indicated an "road home". This seems to be plot grid bet. Palma and

3-26-34. Echium creticum L. forma plantagineum. Knitt 310 = E. plantagineum DC. Bar 323 = E. L. Bow 228, Bitt 320. ill quite like E. BM J.C.P. 626. E. "Road home" seen also in short cut at end. Cfr mit E. calyciuncum. Viv from roadside near Infanta S. Indef. in facing mtns. 1-sided spikes each in axil. Ind. reduced, lanceolate, at the st. Spike naked for about 1 in from base to base. Flow. at 1. These spikes forming long terminal/panicle. This dif from esp E. calyciuncum whose infl consists of 3 spikes from upper part of st. branches, the upper 3 in axils (produced by the lower ones extra-axillary). Inf. 1nclad, the lower ones extra-axillary. This shale might seem to point to E. sericeum Vahl acc to Bar 323 = E. creticum forma fistulatum acc to Bitt. but other considerations seem age at this. Corolla a vivid purple, 1 inch long, about 3x as long as calyx. Unique remains about as long as
3-26-36 Barisia latifolia Sweet Nutt. 396 = Encopogia
latifolia Sweet Bar 348, Bon 239. Sierra gorge. a about a from entrance, 3.9 miles 1.3 miles
3-4½ in high. 1 in. wide 4 x 6 mm. calyx to be
consid. 3 toothed, the floral area (base Bar) act to
about middle. At the first 3 distant pair the
at is valued for distance longer than intamalo
before lowest if th. is. Calyx 5 mm. closed 3 mm. labular
whitish, 1 green seams ending in the 3 green
lifes which are lanceolate with edged recurvate.
Calyx projects 3 mm. beyond calyx, the surface a
fluffy, almost, pubescent on back, 3 lower lip
spreading about 1½ mm. longer than upper,
with 3 entire lifes, which the middle one is
narrower whitish but purplish around edge.
At base 3 middle like 3 distinct oval, roundly
yellow jaw tube tinctured, this would seem to point
to Tarago apulsa. Other Bar 347 but not in
dance lineless, capsule not avoid globose, pub-
recent) stigmas not. Stigmas in 2 age, anthers slightly
very apical 9-11 mm., Style faintly avers, stigma
globose relatively large. Capsule of long, fuscous
slightly curved, smooth, pub. short as calyx Reeds
main. (See Tanaxa apulsa 4-14-30)
3-26-30 Cleobane ramosa L., forma Caesia = Phelipaea Caesia Bent. Bas. 349 (See also Bon. 3427, 1964, 338) El Sierra gorge. 6 cm tall, unbranched. Calyx 4 lobed, the sinus deeper than, 3 mm. Petals with 2 white, profuse stamens which are not close to throat. Nut 4 style, somewhat glandular pubescent. Filaments practically glabrous. Anther-lobes 3, fan-like presence not obvious as white plant is glandular pubescent. El 75 mm overall. Capsule 1 seeded with 2 or 10 seeds in metal plate.

3-26-30. Lotus tetraphyllus Murray. Kniff. 100 L. - 1 of Dec. 328 40 fl. fr. Sierra gorge, Juniper place. 1 inch horizontal underground stone, but slender. 2 cm (or less) + petioles decending, 200 points very slender sometimes branching, 1 cm in width, appressed, upward pointing white leaves. Leaves 3 foliate. Petals 3 mm. Lfts. Triangular 3-7 mm × 6-9 mm, the base acute, apex truncate or reflex with mucron, entire, pubescent, the midrib also prominent distinct beneath, above modified into a dark banding of light-green. These nerves would be. Stipules 1 similar to leaf but obtuse at base, obtuse pointed, about 5 mm. Bush of new tips in some plants. Internodes sometimes more than 20. Length of roof (See 4-7-30).
3-36-30 - Calium murale All. Knw 425, Bee 224. Bon142. Blu wnsfr. Hrpgago. Hrnschleppl. 5-10 cm lihg. nst distinetlly 4 2 R. nits few weal downiaw. Pointing pt., whg 5.6 mm. iag. high. All blue. Pointing undin. unp. long. np. to definite pinnate point. Fr. made up 2 cylinders. La continiin. Of the very short fr. with the stem beneath it, this latter brown. Vv. bendly at apex deflexed. (sec 3-36-30)

199

3-36-30 - Asterolium Linnum stellatum Dlg. in DC. Knw 368 = 2. stellatum L. Knw 477. Bee 304. Bon 209. Blu wnsfr. with abr. 3-4 cm. lihg. brnchld. but not like ill. Bon 203. Calyx 5 mm. nts. calyx 2 mm. wide. Univ. punctat. capsule or remaining only in abn. St. sq. Ph. light green, the tv. sometimes with tiny dark spot like Amaagallis) and with dentulation so fine as to be hardly visible (20x), only mid-mere above that vague. Calyx with dark mid rather distinct.

3-36-30 - Amenaria serpyllifolia L. (sec 3-6-30) Fsp. ord. abn. Sepals 2 x 3 cm. long. Petals.
8-26-30 Arachnium valatum L. Knw. #54 Bas 70
Bow = C. glomeratum Thrill Box 52 B (See Brtn. 14)
Unipet. fr. 8 buds. 2/4 with 1 fl. 3/4 in. high. 1/4 short
In 1 fl. Fls. agglomerate. Pedicels violet like Calyx.
2 petals only.

3-26-30 Centanthia Calcitrapa DC. Knw. #35 Bas 221
Bow 144. Bud. Near above. St. in high. also free in high
(See 4-14-30)

7 See AV 19 3-30 30
3-26-30 Valerianella Linicarpa Bow var. nevadensis
Bow 200 Bas (See 3-14-30), Fl. Near above. Lvs. sometimes
slightly rippled or edges. pet. not only adnate
but. but slightly veined at the leaf, infl.
(See 4-14-30, 5-14-30)

8-26-30 Dionaea Rimpalura Act. (See 3-14-30) Half on
"Road home." Fl. in a hole Jumps 2 in. 2 fl. which
are joined to make a cup. Leaves point deep 1 1/2 at 2
and vary off. 3 yrs in off. Plants in bud. Lightly rosetted,
inside pale yellow, not paler. Color a light if
any, except inside J. tube (See 11-27-30)

198
8-26-30 Hypericum baldaricum L. (See 3-18-30) Pfltz. dense
grove. Fl. 1 1/2 in. across. Petals clockwise. Stamens
5 distinct bundles
9-26-30 Arabis lutea L. Bart. 498, Knut 268, Bar 498
Gam. 201, 204 205 B.M. Loc. P.573. ?
(prec. on locally)
fr. partly
colored. Lg. 0.5 in. Long, lanceolate leaf, Common.
Filaments white, hairless, narrowing to slender
apex, pubescent. "Anthers on anthers seem to be
Blue at fores (mothers found?) larger fr. 1/2 in
diam., several pods in each 10 cells. Seems to have
slight atm. Very nice smell. Barb. (Mo. P. 479)
At Fd. Corolla locally pubescent inside.

9-26-30 Juncus gracilis L. Knut 371, Bar 430
Gam. 378, no fr. fr. Juncus grove. 2 ribbons on top of
Corolla vertically in 25 plainly marked.

3-26-30 Ancholoboscus mamritanica Bar
Knut 204. Ancholoboscus
Selina = & Westray L (should this be linda?) Bar 491,
Early this season's fr. some getting adequate
fruitly. Juncus grove, size 1/2 ft. X 1/2 in wide
glabrous slightly dark green beneath, Lighter &
glomerous above, concave, tapering to very long,
very narrow, very rough with definite alp
and pointed, furled or edges. Light brown.
membranous, in long pointed, curly on edge
below. as Sheet not lying at Boston on edge for
some distance below ligule... Blumes 3-nerved... keeled tapering to short awn... Lemma 3-nerved... bicinate... the midnerve prolonged into short awn... 4 or 5 with 2 distant nerves prolonged into short awn... (possibly the-noted species) 8

Radix Collus hair. Blume... with hair in middle back about halfway, others... glabrous. Hairs much shorter than lemma...

Lemma white, margined toward tips. Stone... Griff rough (see 4/16/30)

3-26-30: Cyttinus Hypocretia L. Kt. I 439, Bar 469
Bom 227 Fl parasitic on Cistus altidus. Blumen... geophy... 3¼ in high. St. thick reflexed with scales... loosely overlapping... 3½ x 1½ in. Real, otinem, ligulate at tips. Flo: indenter head like plaster-tap. St. the lower 1¼ in. long, the upper 1½ in. Flo: bracts to the stem or at. red, a broad must be a 2-fl.v 2 narrower at sides, a little brighter... on f. Peristil... cream colored, 4-paled. Stamens 10. In f. Flo... a hollibly ridged... (like stamens in appearance but sterile) at top...

Central column... Long... 2-pale. Narrowed... count large, sticky mass... parietal placenta... but... no definite rules found. Perhaps my small at this stage. In f., central column merely enlarged at base. Parasitic is "estigma discides".
3-26-30 Viola arvensis L. Knut 209, Bee 58. Box 37. Fr. 41 mm. Folded pet. Brown gage. The decumbent st. 6-8 in. Woody, almost naked below (but having full follicle), brown rather than gray, red in leafy part. In. sometimes with very few, very low teeth. Sepals narrow lanceolate, acuminate, sepals ciliate with spars at base. in a somewhat triangular frang. Standing at 6:30. vet gape. Seed brown not, attached to placenta a narrow and this front connected by line with opposite which has small sick timber. Capsule a little longer than sepals (See 4-1-30) n 6-30.

3-26-30 Polygonum reptans Poir. (See 2-14 & 3-26-30). Fl. with abort.


3-26-30 ? Emphelis densifolia L. Knut 151. Bar 414. Box 279. Fl. in roche wood side of brown gage at entrance 7 feet. Spec. collect branch one only but much like ill. Box 3 are needed at least to keep branches. St. brown v. woody, branchless.
1.30 linear 1 3/16 x 3/16 in, glaucous, mid-vein prominent beneath but not felt veins showing faintly (20X), entire the net-like point pulched together looking at the printing downward. Leaf mine at least 3/16 to 1/8, net-like definitely reflected, point in center upraised, veins linear or 1/3 but broader "broad-elliptic" terminal 1 1/2 range bifurcate usually with a central nerve flake which seems always sterile. Dorsal yellowish-green, semi-circular, narrowed at base, blanks very yellowish more or less truncate or dentate. Not semi-lance. The very young is smooth, no sign of white spots, smiled around.

3-26-30 Euphorbia helioscapae 1 (Sec.2-30-30) F-s V fl. brick-gage. Seeds, brown, pitted the entire color grayish.

3-26-31 Fyrngium Campsioides 1 North 223 Bsn. 214 Bsn. 135 Bsn. 186 ill fl. "roadside". Inflorescence somewhat irregular but not tall as def. south as ill Bsn 402. Calyx teeth surpassing petals by 1 mm. ovary covered with long white scales.
3-26-30. Hippocrepis umbilicata var. Kunitzii 115
Bar 150, Bon 91. Fl. "road home" near panaminc mine at top Velarde. Ex. DeJ. var. differing more than 1
from disc. but this seems only delicate var. Bar
with odd-pinnate low 2 sessile yellow flower
axils. Plant prostrate, with many yellow flowers
from base 2-4 in long. Branches simple 1-2
relatively thick, vault 1 1/2 in last 1/3-4 or 5 to
the lower pairs often not exactly opposite. Stipules free,
lanceolate 3-4 mm. acute, white toward apex,
green with indefinite white line border 1/4 oval
long 3-4 mm x 2-3 1/2 mm entire, mostly definitely
notched at apex and mucronulate. Stigmas fimbriate.
Flowers yellow, 1-2 almost sessile in upper axils, 8 mm
long, Calyx 4 mm, slightly pubescent, rather 2-lipped
the upper 2 lips being longer than the rest 0
succeeded more than 1/3 way to the acute lips. The
other 3 narrower, more sharply acute with
under sinuses. Standard longer than wings
wings equal to or a little longer than half. In the
flower of flower studied 3-24-30, inclined to curl one into
St. Claus standard raised above the claws no one
can see daylight thru the lateral sinuuses. Calyx
Stamens diadelphous, some 9 these relatively very
much enlarged just at apex. Style narrow, flat
fine vest with small stigma and apex tipped.
Calyx linear, glabrous. 6 mil, not divided.
Constitutional partition, seems 1 cell.

Standard muniformate. Cfl with 3-9 cilia, vel. 3-7.

Calyx lobes narrow, aligned much like latter & dish has same hand, wobbly part behind.

3-26-30 Gentilly's Cyphaspides L (Sec 2 x 2 x 30) But note that, terminal leaf is often not linear, but ovate-lanceolate, to 25 x 9 mm. And many linear 0.10 mm. Calyx lobes narrowly linear at tip, the upper one more widely separated than the others. Fl. near above.

3-26-30 Hypericum perforatum L. Hu. 74, Bar. Box 27 X 34, 04. Leaf changes in fl. Young about 20 ft. Note opposite ridges on st continuous for internode only. "Road home."

3-26-30 Clemens

Near top of road home. No fl. Fl. lower almost. St. very marked by glandular pubescence. St. with very short internodes, very bright, not at all suggestive Rosaceae. A long one. Peduncle with lanceolate stipules which close the st. Stipules slightly toothed on outer side near base, acuminate. 5 st. 5-8, pinnately, occasionally 3-4. Often with an extra leaf growing beside the lower lateral left, producing an interrupted curve.

6-3-8, 8-3-8, extent.
8-26-30

Effect: lift vortex, oval, 10x4 mm all about same size, I cover one somewhat larger. Distinctly protrude from short distance above base, perhaps partly forked near apex.

3-31-30 Dorengium pentapetallum Sect. Kent #101

Vaccaria. Low about 2 or 3 feet too young for much study. St brownish in many with remains of the apressed nectary palisade found on young leaf or leaf. Leaf large with minute stipules, digitately 5-plicate. 5 stamens, 5 stamens 10 x 2 mm, entire, tapered to base. Intermixed somewhat shorter than leaf, often much longer. 5’s terminal in groups of peduncled (peduncle vas very short) many small but none 5-petals. Heads, each head pyramid shaped by 5 digitate foliaceous leaves or at Calyx tubular, very small but none 5-stroked which 5 stamens seem longer. Petals present (not quite) number. Every head 10? 2 equinumineae but the 10 stamens seem free (perhaps not later) consider possibility of Dorengium pentapetallum Sect. Kent #101, which me. Dan BENTHEIM Mott (Vill.)

Bot 128, D. supranernum Vill Bot 81 (See 4-20-30)
3-30-39 Silene cucubalus. Whit. Knw. 463. Bx. 65. ill. = S. inflata Bn. Bar. 58, Bx. 43. Bud "roblome. Petals in bud sintricate, same entire or outside, some entire inside the rest overlapping, with one side and 2 one sides in (seeded. Bx. x7) St. to 18 in. high, white, long white glandular. Lower base lanceolate to 3 x 1 in. the lower ones mostly gone between narrowed to what might be called petiole. Inf. to be diestomous. Cymes small Bn. 135. 3 terminal branches with a leaf, which matures before these on branches, the branches branching in same manner at least 3 times more. Calyx at this stage unlobed, bladder, the netted veins not strongly marked. Petals very at base of blade. Note calyx teeth have small, mossy pubescence on edges.

8-30-39 Polygala monspeliaca L. Knw. 143. Bx. 356. Fd. young fr. Bx. 40. Bn. "roblome. 2/3 in. high. Longest petal 6 x 8 mm. (2 x longest leaf petal). Op. with P. prostrata 3-30. Late abundant. 1 mm. (Prostrata 15 mm.), leaf from above lanceolate, acuminate close together on lower part (3 mm). 3 at. mutual, more or less distant on long laxa trailing ets.
3-26-30 Cynoglossum chelidofolium (See 3-16-30) F1 v well advanced fr. All tubercles seem to bear holes (tiny heads) more than one lasted point) But see Bon 225 "arquillons entremêlés de tubercules."

3-26-30 Plantago lagopus L. (See 3-11-30) Fr. "rococco" Reach long clumps in upper part f stalk as well as ciliate. Calyx bifoliate. Sepals 3 (even in 2 flows see Bar 379) the anterior sepals 2 green; the other 2 backed green. Sepals otherwise by far less 15mm instead part 12mm at base of petiole (See Bon) 3 nerves distinct, the 2 basals mostly less 20.

3-26-30 Medicago pacifica DC. Nutt 76 Bar 116 Bon 75 "Rood line." Fr. v well advanced fr. F1 1x2 or sometimes 3 on slender peduncle about 1/3 length of petiole. F2 flattened but with its 1/2-2/3 very long, stem almost always much longer than space between. Stipules deeply cut. Plant does not seem "aristado." But whole plant line is glabrous (except feet hairs on very young parts. Hts 1x1 cm (rarely frequentia) white, electron to lavis form by W. duftzida, bitter, see following.
it seems to resemble in every way except number of lobes of fr.

3-26-30? Medicago bisnuda Boiss. from dentriculata Kuntze 74 2M, pretacyntha DC. 116 (See Bon 750 30x ill) literature except that fr has more than 4 complete coils so closely pressed together that one cannot see daylight between, slightly flattened but effective from one globular.

3-26-30 Coronilla grandis. (See 3-4-30) Fl. Kennex grove. In full only seen.

3-26-30 Lunca sativa L. (See 3-4-30) Fl. Kennex grove near entrance.

3-26-30 Petridium amplexatum Decq (See 3-4-30) Fl. Kennex grove near entrance. Excluing blue purple on back at tip as well as purple at base.
3-26-30 Vinca major L. R.M.P. 105. 1-1 escaped at terraces. 4 inches. Tinted by ciliate ho. & calyx base, 1-1 marginal cream color.

3-26-30 Ceteraele officinarum Mill (see 3-19-30) Fm. Genoa gorge, 1 spec only noticed.

3-26-30 Delphinilla decumbens Fm. Spring (see 3-19-30) Rare. Observed Genoa gorge, not common.

3-26-30 Cyclamen balearicum Will (see 3-19-30) Fm. Genoa gorge, Not frequent in upper part. Sepals purplish, bloom in broad openings, thistle white.

3-26-30 Clematis althoroi (see 3-19-30) Fm. Genoa gorge

3-26-30 Stibothergia balearica Knothe. No. 391 inspected S. Africana Bae 345 (see Bae 239 and Bae 344 for S. europaed). Fm very young fr. Genoa gorge. Desc. in Bae Correct. Largest 15 mm long x 7.6 mm broad. Fl in peduncle 9 mm long. Calyx 2 mm high. Corolla extending 3 mm more. Calyx lobes white v. stamen & Petaloids vary from 8 to
Possibly this species grew in more shaded than 12-13-30 white pelotes
4.3 mm. Some peduncles longer than pedicels corolla a pale yellow. (see 4-20-30, 12-13-30)


2 atop max 8

3-26-36 Victoria aristata 1 var. amplifolius 1184 box Th. 1/16
1/2. Delone gorge. Male 4 to 16 m.angled upwards. 4 to 5 mm. x 5 mm. Simple 2 2-divided 4-5 pair. Flakes translucent. Lower linear or linear 20 x 23/4 mm. Acute v. Longish shape mucronate (in no wise retuse or notched). Stipules half sagittate, the lower
dentate entire or with 1-2 teeth. Stipules papery with dark spot. A few leaves toward base, small,
with or or reduced tendrils. Leaves broader, mostly of three v. mucronate, some retuse v. mucronate.
Fls. solitary, almost axillary, withered when studied
3-30-30 but more than 1 cm long. Not def. subterminal flu.
seen but suggestions of what may have been such. (See 4-4-32)
3-29-30  

**Antirrhinum heterophylla**  

113, C of 11. 93 Bar

3-29-30  

**Antheridia heterophylla**  

113, C of 11. 93 Bar

1. Twining in long

2. Stem but not woody, velvety.  

3. Leaflets broad 1/4 in.  

4. Petiole x/8 in.  

5. Leaflet 3-4 ft.  

6. Slight half these dimensions 

7. Petiole 8 ft.  

8. Slight half these dimensions 

9. Petiole 8 ft. 

10. This arrangement varied in one case by an 

11. extra leaf between 2nd.  

12. Leaflets (terminal one 

13. very definitely so) entire, velvety both side 

14. Petiole under 6 ft.  

15. Axillary almost sessile head, subtended by 

16. small 2-foliolate leaf,  

17. general appearance in 

18. axial, but leaf somewhat oblique, always pointed 

19. the terminal leaf just a little longer than 

20. [Note: this peculiarity of the leaves not 

21. mentioned in works]  

22. 8 ft.  

23. 18 mm. overall.  

24. Calyx 11 mm.  

25. 11 mm.  

26. the 5 almost 2 mm.  

27. Calyx 

28. tubular, velvety, just will be another.  

29. Stamens 

30. 2 mm.  

31. 10 mm. face even in cut, the 

32. all stamens the rest forming a tube to near 

33. their tips, all stamens of same length and 

34. inflated at their tips, then abruptly narrowed 

35. as into the tiny anthers were on short pedicel. 

36. Style only just longer than stamens, 

37. stigma 

38. ovate.  

39. Petals long, clawed, the standard
pale yellow, silky pubescent on back, delicately
lineacend inside, wings bright yellow & beell
purple at apex. Corpus 3 mm, hairy, 2 ovoide, on
length of 2 1/2 mm. [See BVH 1 3/8 MB CR 415 for
genuss] (See 4-10-30

3-29-30 3 Hypochaeris elata Hook. f, 13. 3. 13. Bar 150
Bar 91 Col. by Dr. Nelson.
Fol. branch
2 supp. part 2 plant 8 in high. St. branched, angular
v minutely appressed punctulate. Stipulae
small, free, lanceolate. Malt. the petals
escent in Valpaed ridges et. 1 1/2 in
in. petals, odd palmate with 4-6 pet. F
of long linear lifts 6 x 2 mm. Lifts show no distinct
nerves but are bent somewhat especially
t-ent troughance. Hunt habit commn
ate at tip, entire, almost glabrous, but
with some white hairs appressed below like et.
Its exarylary petals are about 1/2 in long
in a marked middle of 1 2 less the pedicels
short. Calyx about 5 mm. Petals almost equal but
the 2 petals with shorter, narrower sinus
which termination ridged down to 1/2 Calyx
the 2 lateral sinuases deeper than the antica
one making a slightly 2<lipped effect. Calyx
with some hairs and buds. Claw 8 petals
longer than Calyx.
3-29-30

Calyx, Corolla bright yellow, standard with dark er veins, heel pointed. Petals dock on which standard is seated hand in nubby-apparent even where covered by calyx. Fl about 1mm long bent upward from top calyx. Dorsy linear, glabrous, 9 ovules. Stamens diadelphous v. seem enlarged at apex. Gland of calyx fessy inside v. on edges.

Cf with ? H. unguiculata L 3-26-30 (see 3-3-30)
[Note: see also: H. uncinata Will 3-3-32]

3-29-30 Melilotus aultata Deaf (see 3-17-30) C# by Mr. Heron. Peduncle very definitely unbracted racemes (older than 3-17-30) are longer than lea. It has same ex fleur de l'eau 3-17-30 but sim not so same fits being v. unbracted.

3-29-30 Anithogalum umbellatum L. autt 378
[Note: see 3-8-30 Byn 296 (H. H. 498, BM 179, 162. From Heron.
Infl. only no root in lea. 3t 9 in long the lower 4m in part underground. 1t in broad 1 cm open coryst. lower pedicles 2 1/2 in with very hemimute bracts 1 1/2 in. Petals 6 very all pointed the 3 outer ones to 3/4 in. outside green with narrow white margin, the 3 inner slightly paler with side green in centru only with broad white mar.
Filoament dilated at base, anteras
Eversia lingua L. (See 2-20 vs 3-14-30) cl by Mr. Hearn. It lives from oval but large bulb, with thick roots at base. A tall, broad bullet, one inch in long terminating in oval bulb ½ in long. Fils 2 in at. Bracts ⅜-½ in long, reaching just to or a trifle beyond base peduncle. In the uppermost leaves ½ the leaf 6 mm wide at widest part, ¾ mm wide in middle leaf.

Note the 2 broad flat projections at base if lip in 2-20 vs cf. with Formicidae which has line base.

Lip maroon, the lateral lobes very dark. Sepals maroon pink, striped maroon. Upper petals are flat at base, with very long filament tips which are adherent to sepals and extend almost to their tips.
3-27-30 Barteria latifolia Dus. (Sec 3-26-30)
Mrs. Nerou 2 1/2 to 7 in. Calyx 10 mm. which 4 mm
is teeth otherwise as 3-26-30 with the same
2 yellow protuberances.

3-27-30 *Dissisia principium* Lindl. 395 = *Hyacinthia*
L. Bas 447. Colly Mr. Nerou several days
previous Poto Pi. F.L. Too withered to study but
almost surely this.

3-28-30 Upjohni Bertoloni Monet Knf 403, Bas.
460, Bon 313, F.L. Cas Catala gorge upper part
on way to Bendinat (Mrs. Nerou also shot above
3-27-30) Sepals pink with deep green midner,
extended; to 3/8 or 1/2 in long. Petals deeper
pink, a little more than 1/2 as long x broad, not
velvety, very blunt or blantly bilate. Some
fls have a small protuberance on each side at
very base of lip. Lip very broad (its sides are
curved downward as if flying out), with
3 shallow rounded lobes, the middle one narrow
er than its tip curved upward in a small
blunt, glabrous appendage (amid-nered), lip broad
velvety with small shining spurs
glabrous apart a little toward 3 center.
The other aspect (Bas) is at very base & some times Rose. Column inclined forward "like bird looking at itself in mirror" say Mr. Heron. Turtles avoids rather than round.

3-30-30 Opheys speculum 1st. Kut 407, Bas 461
C. versicolor (But not found in Ben allus
Ke, sapogen in France) 11/2 Top divide on leaf
Cas. Catala - Beudinan 1st. again in same below
"Turtles plans" (Bas) must be translated "horizonal" to be true. Lateral sepals extended
Curving more than forward green with
2 distinct purple-brown stripes (1 about in
center, the other on lower edge) greenish on
back, edges somewhat resinous. Double
sepals green tinged purple, but not def.
striped, curving forward back like one
another, edges smooth. Petals thin velvety
purple-brown triangles with relatively long
hips that curl under the t. Lip largest with
3 narrow lateral lobes near base projecting
forward increasing the middle like
larger rounded, nectar bent down to
make one-like effect, shallowly notched
at hip. Lip edged with band of purple-brown
edges, center shining & glabrous (very
compie) now.)
3-30-30

Conspicuous (blue in center, yellow around edge). Column joined lip with rough (glabrous
but with velutinous purplish spot at tip) while
forms a small downward projecting fold
at point of joining. (see 4-3-30)

3-30-30 (Galaxie Bombusflora links root 456. Barb
46 Bar 3/2. Fl. Car. Caloza, upper petal or
not to Bendinat. Baracts from small stamens
than ovary which is lowest fl. is 11⁄2 in long.
Sepals light green, extended a more lead
curved forward or the upper one curved forward
one another. Petals obovate, upsfought, much
smaller, green with purplish bases velvety
on face (Bar) not "casi lampionos" (Bar). Lip
brown 3-lobed to base, lateral lobes forming
deep fold where connected at base with columbar
absence of gill, more or less like lancea, still
less pointed downward (like leg) in excess
velvety. Middle lobe with edges turned
under 20 to 25 upon almost globular, 3-toothed
at tip, the outside blade hidden under lip, glabrous,
not greenish. The middle tooth glabrous green
with rounded protruberance near tip and
tip curved slightly inward, very obscure with
hair on its very tip. 3-toothed ovary at its
3-30-30 Ephedra viridis (see 2-6 V 24-30)

Cascabel sage. Note that the glabrous half of lip 
applied base, always somewhat lighter than 
the very dark tips. Varies greatly in size, often 
dull purplish grey, longitudinal marking on 
a greyish ground, but sometimes in this case 
a greyish ground or bright white. There is except for shape 
one might think O. minor var. yellos. 0. jupileo 
will, leaves not entire or brevmente essential; in 
the latter not blue to white, but yellow. 0. major 
white ill Bon. Lip slightly convex but edges not 
turned under.
3-30-30 Allium roseum L. KnL 372; BoL 437

BoL 399 Fl. Highway near Cas Catala (2 miles, 8 km south). Reddish-brown buds at base very evident. Per. sep. 1.5 mm with darker line down middle. Sepals to 1.4 mm. Strong onion odor. Center yellow solid. (See 4-10-30)

3-21-30 Yucca perennans Delechampsii F. W. Schmidt


3-30-30 Vicia sativa L. (See 7-20-30) Fl. young fr. At 8 km south west of Cas Catala, evidently a cult. 1 crp. St. 18 in. high. Fl. when closed 1 3/4 in. long. Wings the right darker much purple though broad and making noticeable contrast. Fls. frequently 2 in axil.

Peduncles articulated in middle, sometimes...
4+ mm long, 1½
 to 2½ in without tendril,
 with 8 per. leafs.

3-30-30? Vicaria calcaria (see above) Fl. but Bendict
 v. Portals. St. not cult. St. 6 mm. 1½ in v. tendril with
 4-5 per. leafs & tendril sometimes little developed.
 Lesser leaves often delicate atril lanceolate
 from base, with 1½ per. leafs much tendril.
 Fl solitary 12 mm long standard
 purple-white spot in center above. Wings
 purple, their claws slender part gland forming
 a second white spot in other respects much
 like above. (Doesn't all like ?? V. aurealpina?)
 3-30-30

3-30-30 Trifolium stellatum L. Knut 79 Res 125
 Bor 179. BD 115 ill. Fl. Portals but Bendict v. Portals.
 Note esp. the large beautifully veined stipules,
 heads ½-¾ in. The indurate calyx teeth longer than
 corolla which plant especially loosely pubescent.

3-30-30 Ramunculus pavilionis L. Knut 79 Res 129
 Bor 130. BD 111 ill. Fl. Portals Castelfid. Bendict at aqua
 direct bridge. Plants ½ in high. Lower lanz-lobed
 Carpels 11. (See 4-30)
E. cliumum Willd.

3-26-30 E. cliumum. Botany at Portal. It is 30-30 B. M. C. P 434 Fl. Peripetalous flowers on path from Car Catala to Bendinat. 1 ft. 1/2 x 1/4 in, petals pink, overriding the illus except upper part. 22. White plant 2 in high, 1 red spot 3 ft. from base 3 plant or from 2 upper spot rep plant at Portal. Entire purple 1 mm long. 3 ft. high with three 3 E. moschatum Nel. var similar in the 3 depression to F with the deep crescentic furrow beneath 3 petals on back, but do not that 2. Botany the edge set the 3 depressions forms a low bush not present in E. moschatum. Styles of E. moschatum shorter, 3 E. moschatum with a florescence 3 ft. Base grows on mound from Majorca. They to E. moschatum to more than 3 cm long! And (see B. M. C. P) sterile filaments are not dilated outside but are obtuse 3 about same width throughout to the rounded top at height of true 3 styles. Stigma 31-26 31 like this. Undoubtedly E. cliumum

see ill. Costa 1852.

3-26-30 Salvia murale All. (see 3-26-30) 5 ft. uniquely fr. with above.
3-30-30 Sagina apetala L. (see 3-17-30) With these very delicate plants in, I hope, IV. the sepals extended into cross.

3-30-30 Cerinilla Scopoides Koch. (see 3-2-30) F.L.


3-30-30 Euphorbia esigera L. Koch. 155 Ber. 446 Bon. 282. Bon. 407. F.L. young F.L. with 2.2 in. high. Whole plant much more delicate than all B.V.N. leaves, branches narrower. Seed (at this stage) looks wintale (B.V.N.) rather than infertile (Bee). 8 glands are brown with yellow tips. This is primus Scopoides since the tepals linear, too are 3 pointed to tip.

not revolute or marginate; the 3 outer ones being
very a little turned inward at base. Petals
length of sepals to base. Juxta and twice points. Petals
irregularly but not divided into 2 lobes;
almost blue. Claws white. 8 definitely ciliate.
Basal leaves with petals to 7½ in.

3-26-30

Paronychia Canadensis Lamk. forma nivea
- P. muricatum Bar. 179, Box 189 Fl. Portales west side
3 road near pond. Fl. P1 to ½ in high, branching
valvate terminal at base. 2 sepals. 5 ½ 1st pet.: ciliate.
sepals acuminate longer than base (at
tip of sterile branches the stipules / unex pended
basal, form a slightly point.) no thicker, lanceolate,
2 3 mm. acute, ciliate. Internodes of ciliates. than
the sepals at base where both are often orang ecol:
Floral bracts broad, obliquely rounded, sharp
pointed. Pericarps 3 mm., sepals unequal.
Calyx ciliate. Cyl. P. argentea Lamk. 3-17-30

3-30-30

Poterium Panquisisbar. Livemarica
- P. muricatum Bar. 164, Box 102, Box 177.
3-30-30 Poterium Panquisisbar. Livemarica
3-30-30 Beatrix maritimia 1 (see 2-14-30)
Flowerpots fr. Nezarab. Note that upper part
involved is double: the outer part as disc.
2.75-30, the inner part a cylinder (deeply ridged
or not) in side edge slightly thickened. Developing
the stalk cylindrical, lobed at helicoid juncture.

3-30-30 Empechta
Car Catala, range at aqueduct bridge. Remains
described earlier condition St. woody at base
78 in high, naked except for an occasional
shoot (as remembered) the similar shoot
grew from base) with long glabrous, alt.
Brownted, 20x5 mm, sharply acute, lanceolate
with 2 pairs, long, illig. but sharp teeth
Planta to apex which is glabrous. Toward base
umbel of 15 slender rays, repeatedly 2-branched,
without lateral 1-2 mm distinct. Tr. present)
Below umbel (in one case to 3½ in). Alt-branched
rarely rays, sometimes simple (below)
sometimes once a more 2-branched.

Low small three rays 1 branch (no
stipules) sensu, articulate, 5-8 mm long.
articulate at rounded top with mid. slit
prostingual-like point at or just
back edge. 4. All branches bear an
occasional
3-30-30

 occasional solitary plants in axil & also near 1 (perhaps more) flat tips. Leaves yellow or purp round or outside (evidence insufficient), capsule at this stage smooth. Could this be E. pittunculata? See 4-18-30

forma multidentata


A

3-30-30 Valerianella eriocarpa Desv. var. truncata low B. F. in same region as above. This is just name 2-8-14 03. 36. [Perhaps V. microcarpa, l. c. See 3-18-32]

B

3-30-30 Valerianella truncata Betch. 2324-44-52

Fl. ProB near above on in gorgon very 6 Pandanus
in high, few erect as A. but is lower or not
narrowed into a degree jut free in A. truncate is
not narrowly at base. F. very flat and not
plump rounded as A. its obtuse leaf longer, more
open with thinner edge than A. with no constriction
but free part of calyx 5 main body. This suggests
desv. V. microcarpa l. c. This the ill. l. c.

& to more like V. truncata as compared with A.
A. is the V. microcarpa V73 in V. L. H.

3-30-30 Asperagus stipulatus Fernald Knw: 381 = A. horridus DC. 414. (See 2-14-30) Fl: L. Where path from Bendict joins highway west of Postale. Per. Req. 3 mm long greenish with white edges. Broad purple stipules. One or each side of each throat bract. Tissue scale under each throat 7 mm. accminate.

3-30-30 Lotus onithosidicus L (See 3-19-30) Fl: V young fr. (Old enough is alone "moder") Best Bendict Postale.

3-30-30 Clea europaea L., Bar 307
Small tree or shrub which 5.1 put this dead lot dead in Ca. Catalina, large path 5. Bendinat. Twig gray, coated in white shining from base. Particles, leaves, exstipulate, coriaceous, lanceolate to 1/2 in. entire edge, slightly revolute, tips broadly acute, teeth sharp, mucronate. While
3-3 in., dark green above, pale below, young leaves duller. Seed each about 1/2 in. red with same scales. Not
Phillipsian augustifolia L., C. men big (same
as cult. oliv e. ol. nata).  

3-30-30 Anagallis arvensis L. (sec 5-4 in 5-14-30). Patch at
back 5. Bendinat Calc. Fl red. A small patchy plants
were the 1st with red flo seen in Majicca. the thin
fls are common every where.  

3-30-30 Thymus capitatus L. V. W. 5.  Last 5. 356 Bar 357.
low shrub, not hedge. 5. 5. Bendinat to Patala
in east side slightly before reaching highway.
St. hard woody. Young shoots thick white
with short white hairs. L. sps making a
cone when dry, color fast at earth. Exstipulate
with line 1 hard longer than those on at. Juming
their backs. 7 X 1/2 mm. lines
acute, entire, coarse, elliptic at base, sessile, minutely papillose, with resin glands, serrulate with color suggesting furniture polish. Internodes never longer than leaves even in young shoots. St. base slanting. Leaves only 3 mm long, the lower clearly compound, overlapping. Each leaflet except these small ones at base, long 2-3 mm, lobe, except these small ones at base. Simple, capitate, terminal or last season's ting. Calyx 3 lobed, the upper lip flat with its base edge, 
white hairy. 3 to 10, but teeth not "pincushion gelato" medio racemose. Leaves long 2-5 cm, 2-leafed and shaped v falcate, with white hairs. Ovary densely hairy inurr, with white hairs. Seeds seem rounded glabrous. This seems only pres. in Bar. but unsatisfactory (See 11-17-30)

3-30-30 Festuca geniculate Hill. X. C. S. (see 3-19-30) Fl. Frequently seen. various places 1/2 to 12 m high.

3-30-30 Lycium ovatum L. KnT 296, Bar. 474, Boc. 356, Bu 14 534110, B. N. C. No. 113. Fl. Partake west side 9'8" near fence. 3/4 m high. See 4-10-30
3-30-30 Helianthemum glutinosum Pers. #720
= Emmana viscosa. Sp. P. 81, 24. 36-65. Year junction path from Bendinat to highway near Portals.
3-30-30 Heliantheum glutinosum Pers. #720
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3-30-30 Heliantheum glutinosum Pers. #720
= Emmana viscosa. Sp. P. 81, 24. 36-65. Year junction path from Bendinat to highway near Portals.
Felipe's, at least 2x as broad as the N. Callirhoe Epech. Stipules 3-4 mm long, like the others except narrower, more rounded, margins scaly tipped. Whole effect looks sometimes like N. Cole (b, Fles small) (see 2-10-30 v 11-6-30 (N. Bull. Coto E 157 "lower less of 1")

3-30-30 Helianthemum laeufescens Pers - Fumana Epech. Fl. Bst. Cas Catala & Portolana Bendinat (see 3-4-30) A very glaucous very hairy like Prone seed. to 5 mm, the similar Stipules 5 mm. less all alt.

3-30-30 Helianthemum Fumana Hill - Fumana Epechii path up hill from Cas Catala.


3-30-30 Cistus salviifolius L. (see 2-4-30) Fl 2in. above Bendinat-Portale.
4-3-30 Aplectrum hyperboreum (See 4-30-30) F.L. Bellore common but usually foot path to canoe.

4-3-30 Aplectrum hyperboreum (See 3-30-30) F.L. Bellrue with above but only a few seen.

4-3-30 Aplectrum fusca link (See 2-6, 2-3-18-30-30) Still found but pale. less well developed than 2-24-30)

4-3-30 Anemone reclinata L. Knute 6, Ber. 109, Bot. 72
Bot will F.L. Bellbue with above, thin light. F.L. 3/4
Calyx cut almost to base. stamens 3. styles at apex as
long as standard. standard white, very pale pink, delicately veined in light. style
pink, wings white, very prominent, upright
about 16 in. 2 mm. Floral has 3 petals vertically
like others (Ber. says 1 petal. Bon 801. 436. 3 petals)
Flower solitary not in raceme. (See 4-14-30

4-3-30 Billbergia marginata Wendel. B.M.Q.P. 146
Fl. grown in pots at Mr. Shorto English Tea House. 1 by
1 by 3/4 in. green shining above, silver fijn lines on back, spines, arching, very acuminate.
Seep 15 in to base junp, clothed with sheathing
bracts from base; the lower ones greenish-blue
acuminate, poung into blunt-ted, shorter point
redness at tip. Its Phensile on zig-zag rails,
suotened by very small rote leaf, sometimes
slightly toothed.ерын ridged on outside, Pikachu
row. Corullal dell, greenish-rose tipped blue, downy
edge sticking bright green edged deep blue, curling
back. Fl. pendulous so that gen. effect is
somewhat like freszia.

4-3-20 Hyppacris cilata Wild (See 3-29-20) 1-fl
8 young fr. Bellher. Bflow 3½ in. peduncle 2.3-fl.
Young proclines ffol. 2 genres plainly.

4-3-20 ? Festucca
Grass fr. Bellhe. 9 in high. PodDannned. Stvery
slender. 400 exceedingly narrow, involute. Blade
3-4 in long, the leaf-blank slightly overtopping
infl. Legulariala obliquely truncate. Sphe 3 cm,
1-sided, open, raceme the spikellet mostly on
strictly pedicels less than 1 mm long. Buntat
base spikellet no. consisting 1 cone-like
pedicel less 3-4 mm. 1st glume very small (about/.5 mm
4-3-30

1/3 mm. 2nd glume very narrow acute 3 mm. 1st lemma 3.4 mm tapering into long awn 9 mm x 1 mm. A little loose hainy on back but ciliate on edges subtending a long narrow palea veining a long narrow grain with evidence of 1 stamen. 2nd lemma similar but with longer awn (16 mm overall) edges conspicuously ciliate. 1 stamen 1, ovary still young with small stipules long, delicate foliate. 3rd lemma 2 mm. 1 st especially in ciliate margins but palea smaller. 2nd foliate part of 5 th stipe prominent. 3rd lemma in to 3 rd but lacking palea narrower. This is no F. a feature of the group sometimes called Vulpia. See F. farinacea Fass. Knit 320 = F. membranaceae Druce BN 554 (not in Bar). for glume with spike. See F. Myosurus dec. Bar 365 with "stamen 1." See also F. ciliata, Per. Knit 332, not dec. BN 59 Bar alt. that x not found in Great Britain & France. 2nd foliate is sometimes sterile bearing only this 1 stamen. (Found again Bellver 4-10-30)

4-3-30 Catapodium loliaceum Link Knit 313 = Telosperma loliaceum Knit. de Bar 584, Bar 364 = Poa — not BN 539 = Dermogyna —
Num. 717: Bellflower near above west 3 feet path to chapel. 4 in. high. 1 1/2 mm wide, flat, flat-rose. Calyx stiff but only 1 mm. long (corolla 1 1/2 mm). Bearing 5-10 embryos. Sepals spathulate or deltoid, radii being somewhat curved to accommodate them. But all turned somewhat to face one way. Sepals narrowly ovate, 5 mm long. 7-8 frs. Glumes much shorter than sepals, not equal, but 3-nerved, the lower narrow, tooth pointed & whitish edges, the lower strongly keeled, the upper less so. Lemma almost 4 mm long, rounded below, keeled & pointed above at top, stiff & matte. Hard, 3-nerved, white on edges, light green on back, the lateral nerves up to pink point. Mid nerve dark green, mid nerve spotted below middle. Palea reaches almost to tip of lemma, white keeled with dark green mid nerve mean edge. The keels ciliate, lemma glabrous. (See 1-2-31)
4-4-30 Ascom. *Halecium Mill.* Bi. 35%. Bar 469, Ten 317, BM & P. 194. Fl. Blid stream that flows towards Eastabbits from west. Spathe very pale green, look at and immediately by its long, upright rach., slimmer than allh the rach., open at the top, spathe is lower than its pedic., flat at base. Tetrads, if stigma is present, it is erect, and somewhat deformed in top piece. which is light yellow. Immediately above these, if deep yellow, a few protuberances and in long filaments appendages, then a short interruption in the style, deep yellow, closely packed but each firm & distinct, then an interruption at least 2 x as long as below, above it a long, slender, wider, long filament-like appendages like those below but those have rounder, more yellow, seeming to lean from them. At middle following Tetrads, spathe below the junction of spadix. Cf. with *Halecium vulgare*. 


lower lip white no yellow as this may be from versicolor (Lm). Anthers rosy
pale bluish. Lower lip 3-lobed, the lateral lobe
about 2x as broad as the middle lobe. 2 pro-
mounced ridges and in sunken, not like the much smaller protruberance
of Barbarea latifolia (3-26-30).

4-4-30 Stachys bielii L. Kn. 5 X 0, 13 X 36 6 Box 253
El. Bridge crossing stream west. Establishment
on mud from Biennial wetland. Leaf along stem.
Corolla with upper lip white, oblong, broadly
notched at apex, erect with lip turning back
ward. A few purplish dots on edge of corolla at
base. The lower lip pale yellow with purplish spot
base, in appearance broadly obovate, hardly
notched at apex but the 3 sides at base are rolled
under v pet. constitute the lateral lobe (although
a straightened out are not definite lobes) (see Bux
367 alike otherwise as deac (Bae v Bon)). Note especially
anthers placed end to end v Stamina adaxial
finally not side corolla.

4-4-30 Lathyrus Aphaca L. Kn. 123, 14 X 4 Box 397
Bux 130 Fl. v young fl. Before reaching bridge.
4-4-20
Bridge. Fl pale yellow, standards broadly veined, 2 " x as long as wings which are circular, keel-winged below tips. Style flattened dorsally, stigmatic
on upper surface, veined on lower. Stamens chartreuse on under surface. Beak slightly articulated near tips.
(See 4-14-20)

4-14-20 Keranium dissectum L. Knut 127 Bar 81
Bom. 57. Buch 96 ill. Fl. West bridge. Fls. Bright, rich purple. (See 4-20-20)

M. acutellata L. Knut 90
4-4-20 Medicago acutellata All. Bar 115
Bom. 74. Fl. Young for last part 2 " wide. St. squarish, purple on angles. Plant recurved by all parts. Hair
pubescent even young fig. + darker yellowish

4-4-20 Cydonia oblonga Mill B. MG 576 = C. vulgaris
Fl pale bright yellow 3 " in diam. 5 sepals ovate entire
4 mm. the both sides, entire, stipules ovate ½ in
longer than petals, acerate, calyx lobes
3 " in long, lanceolate, obtuse, acerate, reflexed.
Fruits closely cleamy to the tips which terminates in fl.
4-4-30 Catalogue. Oxyacanthia. 1 forma. breviapina Kt. II + 8 = C. breviapina Kt. 88. 166
(See f. C. 0—Bn. 102, Bv 158 B. M. C. P. 376, F. B. Barlow's stream where road 1st meets it coming
from west, Style 1 in all fl. (24-30) observed. F. 10
½ in (12-15) mm. aceria. (See p. 11-5-30.)

4-4-30 Aruncus Italianus. Retz. Bn II 303, = C.
Bv 330, Bn 231 = A. azurea Mill. B. M. C. P. 693
Fl. Field not close to road just after crossing
last divide. F. 1/2. in wide, a cleandark blue.
Bracts lanceolate, often broad at base, veoollent
oblique, scattered on imfl at but often not
exceeding fl. is not one for each fl. (Ex 4-20-33)

4-4-30 Orelia. intacta. Link. Kt. II 398, Bn 310, =
Aceras densiflora. Bn. 456 = Avenacia intact
Benth. Bv + 162. Ill. F. S. wide grid after crossing
head divide 1 before reaching side of stream. Several
seem seen along this grid. 1 stiff corn. in
some cases slightly, in one apparently
spotted purple (if these facts had not been men-
tioned in description Solomon thought they
caused by disease). Fls. in dense cylindrical
spike 1-½ in, somewhat twisted to one side in
appearance. suggestion of general color.
4-4-30
look 7 Spiralanthas at home. Sepals 3.5 mm long upright adhering in hood back out to the rim narrow petals. Lip 2.2-3 mm, deeply divided into 3 lobes; the 2 lateral linear, wide spreading, the middle lobe wider, broader, acute. Hypanthium slightly apiculate, i.e., with 3 shallow but definite teeth, the lateral one blunt, & divergent, the middle one narrow. Stamens sparsely at base. Lip 1 mm (measured from behind). As Fl. greenish-white (no trace of pink). Amaryllidaceae. At least twisted, the acute, pale, slightly faintish, bract about 1/2 a long. Nuts found in every fruit, very difficult to separate at first, but pollen sacs seen to have very slender, ender cells, not easily detached. The granular pollen is not 3 anticlinial cells. Can't tell whether there is one or 2 glands or 1 or 2 pollens. See 4-10-30; 4-20-36

4-4-30 Calycanthus spinaeosa Link (See 3-17-30) Fl. U remains, old fr. So side Nik, innumerable, after lunch in some distance, just coming into fr. the tips of calyx conspicuous on many branches. Branch...
4-4-30 Euphorbia. *Brumbella* Poir. Kew 1578, BM 417, Bon 281, Fl. at fort Graham. Glaucescent, the 2 lateral nerves 1st 1st obscure. To 33 in high, leaves spreading.

4-4-30 Euphorbia. Fl. with about 30 at first glance for the same not only umbel. But glands have 2 long antecurate points with no "petty forks" as in forb. Otherwise 1st. Branching with 2 ffs. very clear short handle each bearing beginning of ffs. at fr. 1 1/2 ft long 1 x 1/4 in (2. slender than frs). finely dentate to toward apex, also simply acute as opposed to frs. Beasts endate at base.

4-4-30 Fraxinus. var. *b. F. ex celecis 2 vars. *australis* Bay Bar 317 except 20 F. (See also for F. ex celecis L. Bon 211, BM 318, BMGCP 598. Unique for 1 1/2 ft. By stream with Crotalaria. But note diff from dice. On the 13 in branch collected from small case 5" ft 1 1/2 in. and branchlets always in 3's. Sanders acute or obliquely obtuse rounded on one side of apex and narrower on acute on other. (never at base and notched)
4-4-30 Medicago lupulina. Knutt 69, Bee 114, Bon 97. Bov. III. Fl of very young fl. lanceolate, pale green, thin, 4½ in. high. No seed pods. ½-¾ in. Thicker, very slender. 2-2½ in. with compact heads, many fls. Young to gland punctate, warty. Style making a loose but almost complete turn. Green (rounded).

4-4-30 Viola arborescens L. (See 3-26-30). Fl. in rock wall on side of path near lichen on place. Upper petals shaded lilac, whitish at base, the inner petals veined purple on lilac ground, greenish toward base. Lateral petals very slightly bluish. 3½ in. high from very woody base (22-11-6-30).

4-4-30 Melica minima f. forma vulgaris. Knutt 317= N. major Sect. Bae 502, Bon 364= F. Bjarke with Aegaeus mat p. 2½ fr. lower. Leaf blades short 1½ in., increasing until approximately 8½ x ¼ in. Sheaths longer than internodes. S.s. blades broad, seldom somewhat rough, edges definitely toothed. Ligula membranaceous, 3 mm in front, 2 mm behind.
lacerate but not "bifurcada y las lacinias trapezoides" Bar or with 2 points on the side Bar.

Stalk round v pedicels persistent under capsule. Oblong 3 mm long. Glumes broad 5 mm, acute, the 2nd longer than the 1st, spinose, 1st pair partially on back. Male was 2 men with 2 nerves clearly visible in back minutely hispid. Palea broad, flattened near edge v persistent as edges, truncate. Fertile fl 2, with 2 more sterile lemmas, broader 0.1 m, each at top 0.02 (see BV 1 pg 2 for genus).STOP their time (to 0 M. memoriatal which first A = M. Sammara Bell, B = 164 (see 4-10-30

4-4-39 "Carex glauca Male Knö 547, Bon 535 = C. - Sep 480 (var. genuine sed) C. flacca, Schreb. BV 1 pg 79. (illmot much like spec.) Fl. Brown D. Bridge on way to Alcatranto. Seems only possibility. Rots all creeping with overlapping from scales mind like no. 81 in high. 1 no. glaucoma.

2 upper 3 spicles. 2, scales purple-brown with yellow sulcalis midrib. 5 mm x 1/2 mm, edges usually searines. Lower 1 spicle 2, bracts oval acute, 1st purple-brown edges v green band down centre about equal in width. 6 leaves. B. Pergamum at this stage little lenticular, plasema except for a few minute hairless edges pale green
4-4-30

green, with ring of glands at entire baseless style
Decl. 4-10-30

4-4-30 Filago germanica L. var. apothica DC. (see 3-15-30) Fl. rosette living caespits nodes not
Abaxial Fig. germ in cat. Fl. heads often 8 in
11 or more than 11 in each cluster. Can I 60 nod inf. To
determine bet. these 2 pacs.

4-4-30 Murea

prl. M. alba L. Bae 421, BM. J. 234 as young leaves
shining abax. and practically glabrous. Only plants
found. Farm where we had lunch, long field to 20 3
buildings.

4-4-30 Ranunculus bulbosus flavum L. (see 4-10-30)

Br. Field soon after leaving car.

4-4-30 Prunella bistortacea L. (see 3-19-30) Fl. near
bridge near 8 estaments. Bristech. and fl. head
both involute. Calyx very thickly
covered with stiff hairs.
4-4-30  Gladiolus sesameum Tex. KU 1376, Bar 448 Box 305, vacant lot west of club factory establishments 20 side street. Studied 4-13-30 4th with (A) Gladiolus illyricus Rock Col. Belvis 4-10-30.

Ident. chiefly by rules: (A) having no indication of ovary wings (B) with very evident indication of ovary wings. In add. (A) has anthers 13 mm on filaments 14 mm. (A) slender delicate plant than (B) bare 16-19 mm wide at 3+mmianum. (A) considerably zig-zaged in inflo that the a row 8 flower buds of same side from a definite row with space between. Flo larger than (B) to 2 mm wide, x not so deeply colored (Belvis says "roses") the this may be partly due to having opened in the house. Sp the value proportionately larger than (B) the none reach tip jgt. Cliffs 9 percent of much the same in A/W, perhaps upper leaves seq are proportionately narrower in B.

203 RB 203 RB
4-4-30

4-6-36 Mesembryanthemum edule L. BMCP 257
Fl. Cult. Bellver. Flower pale yellow, 3 in diameter. Bist stigmas x cells 16, 1/2. Calyx 1 large x 3 smaller
lore elongated like the lip, the smaller ones bearing

tissues remain of what was evidently cotyledonary.

4-7-36 Mesembryanthemum
Fl. Cult. Infanta. Plant looks like smaller,
25 the editing factor. 20 sepals connate, more
yellowish green than above, 1/2 in. 8.12 but to
slightly 10, glabrous, smooth, not teeth on heel.
Filaments in axil of leaf base 2 in mean base
in each base, those axils a peduncle, a long with
a pair of long, membrand, white, a line, 
6.0.12 but smaller x 2.12, fibrous tine to.
Dolichanthum (magenta) a little deeper than M. Codyiiflorum, (see
3-10-36). Stigmas 6, ovary 6-celled.
4-15-30 Trifolium macranthum L. Nutt. 83 Bar 127
Bot 79, BVD 17 ill. Fl. Belltri s-w gate, 5 ft 3-in.
upright with spreading hairs not "appellers"
"echades," 5 to 18 long hairy sep., below
not "dentiliculata" of "coriaceus." Small fl.
heads sessile, in axils sup. or to calyx.
white hairs rather appressed, always
unequal: petals the longest, lateral lobes
about 1/2 the length of petals.
smaller than leaves. Petal spires
lateral lobes definite "callo-
idus" in throat. Petals at base of tube
the hairs more thickly placed. Filaments
slightly longer than calyx. Venous in 2
concurrent at tip. See 4-18-30

4-10-30 Trifolium requinianum L. Nutt 88 Bar
127 Bot 98 BVD 18 ill. Fl. Fl. Belltri path east of
phot. 1 A, not creeping, Horton at mos. as
T. fragiferum (BVD). V petal about 1/2
than petals (see ill BVD). Petals never
under leaves membranaceous, no longer than the
vaginate pedicels (Bvd Bar). inflated calyx
trifid at base than lip (Bvd Bar) 4.2 feet. "Pulchra
lip divergentes," not "inclusus habenulio"}
contamina vacuus turned inside in
calyx. Fruitings head round, fuzzy much
like ill. T. fragiferum Bar.
4-10-30 Trifolium aquaticum L. Knut 75, Bar 127 - T. Campbrete Bar 77, BUV 117. Fls all stagea Bellou. Peduncles near roundate. Stipules centrate pappae. Rile leaves. Stipules ciliate. Calyx pubescent in bud. (Recall BUV) this at least sometimes glabrous late. Peduncles 8-12 mm long, attact. Nepels of standard end in teeth towards base just visible. [Note: 8-12-31 graft underlining BUV indicates, middle leaf two more long and staked than others this is SVT 405 T. P. lowmane
1 x T. Campbrete select. See also #509

204

4-10-30 Trigonella
Flowers like f. Belluce S. verge with Trifolium acutum. See Bar 6777, BUV 117 BUV 405.
If in BUV 117 T. monspeliarca L. or T. polyantha L. 3 in high, simple upright or 2 branched from base, punctate. Lvs 5 - 10-late, the terminal 1/4 - 1/2
3 to 4 mm above the lateral ones. Fls oblate to oblong 6 mm pubescent both sides, obverse apex, less dense at base, dentate above middle. Fls 3 - 4 fls long in closely packed heads in axils of leaf. Calyx pubescent, divided, into 5 equal mostly lanceolate teeth. Corolla clear yellow, decisions; standard distinctly longer than wings very off scale. Stamens doubled, one
Fl.(at this stage) mobile shaped. Learning unknown?
(5 mm from tip to tip, 3 mm wide, purplish, transversely furrowed with fifteen veins which are very distinct from inside. Leaves (only fast studied) 7-8 which are developing. Pod looks like alfalfa. Arnie called Box 96, except that crown is rather narrower, stem end, and more like T. monspelica than T. polyacantha. Not sure what Box means in dimensions of 9.)

4-15-36 Plantago Bellardi All in T 412, (see under) 50 young p., with above. 1-3 in tall. All brown. Very narrowly lanceolate, the largest 3/8 inch long. The short versaminate linear, 3/16 inch wide, acute at apex, 53.9% to narrow base. Many with long, white spreading hairs, not velvety nor nearly so. Rather rough to touch above. Underside spreading brown, plants perhaps larger at top than at base, not stiff at all, quite flexible and cent with spreading white hairs along which are others 3-25.80. 92 from 3/16 inch, 2.45 on tiny plants, to 3.2 in high. 812 over on large plants. [Inferior] (looks just plain;［but］ that may be caused by pollen) Bernstein narrowly ovate, white and suffused. Ingoing into a cymose, thick but blunt point. Cuts apals thick v. 4777

[black dots] not long white
4-10-30

white margined on front edge. Inner sepals thin & white with green striped down back. Petals extended white with golden brownish center. Young fr. with involucre (compressed back). style baseless. Empty anther mm long with a thin white vamplike appendage 6 tips 7/8 mm long. I tall P. have this appendage than not noticed it before. 1 no entire, flat, stiff filaments (no tendency to lie flat on ground.) Witness not very distinct in larger base (at least) seem to have 2 very obscure lateral ones. Bae 391

Bae 257. Bae P. Ballardi All var. leptcephala var. This seems only possible in Bae. but lacking in coloration detail and "pulp not' 'roux'.

4-10-30 Sideritis romana i. light 332. Bae 369

Bae 237 F. P. Ballarte. Part east promenade. Calyx with ring 9 lamina in throat. Filaments very short, deeping ceryll tube, the abrute pair with tufted hair at base. Standards seem row about the other initial pairs by rolled as usual. longer filaments elipto or edges (perhaps tufted) or abrute more or less really ciliation. Vaters of longer filaments more called, the upper petals are incomplete. Longer stamens entirely (Note Sideritis thought found in Bermuda 1927 was not this).
4-10-30 Lemmonia aestivalis L. Nut 414, Bar 463, Bot 389 Bud Beller near S-2 Co. 11 on mine 190 miles

4-16-30 Clelia concolor L. Nut 399 Bar 310, Bar 450 (pro b var. polkeniana Beldt) Bud Beller North eastern end of gate (there thru were many not yet opened) also forth by meadow. Lip frondulose is 3-lobed at apex, the middle lobe narrow v pointed (Bon) met "lipido", the lateral lobes broader valerally very real toothed. Bud dark gray-red, ligulate with red spot at base of lip color not unpleasant

205 BNH
4-15-30 Clelia vitacea Linza (See 4-4-30) Beller 414 east side, only arena seen. Lvs. stem, nectaries v percent liberally spotted purple. Spikes densely pld than 4-4-30. Fl like 4-4-30 except that spots give it pinkish color, sepala 5mm long, lip 3 mm v middle lobe of lip not def. 3-toothed at apex. Base not quite uniformly tapered.
4-10-30  referred to print. (See 4-20-30)

4-10-30  Optunturiflora Reicht (See 2-20-30) Fl. fading
D. T. Bellves. Canus in m. ant. W. Pl. Color Offer a few. 2-22-30
D. T. Bellves. O. Textturiensia Bell.  See 8-6.12-32

A 206

4-16-30  Serapias Liguina.
D. T. Bellves. Fl. Same on 3-20, 3-14, 3-29-30. Fl. abundant
with ovary V. Life hanging at about with 6-70 diverging outward from line to ovary.
Plant reaching above ovary but not nearly
as high as fl. would be if it stood upright.
Life 14-16 mm wide. 85-95 mm wide central like.
One case 11 mm wide. Central like but base not
measured as wished to proc. plant. Base 3
lips with elevated apert which of its base have
2 flange. Like teeth. Append to column 3 mm.

B 207  =... occidentalis Haysee 453, Box 309 B. III
4-16-30  Serapias purpurea P. Will. no. 4-11
D. T. Bellves. Just coming into fl. Plant same
in general appearance except upper leaf
in some cases reaches to a beyond borne of
stem. Dull somewhat bent over (in A. unfin.
bot) and lower fl. shatter conspicuously.
spotted purple. Very slight traces of purple spots on fl. Flower more nearly in line with every stage A. Whip hanging down nearly pressed against fl. At least 1 flower the bract much longer than ordinary, in some cases reaching tip of the sepals. Lip 9 mm widest part 4 mm, undulate, color of lip has no elevated ridge at base, but 2 flame-like teeth. Appendage to column 4 mm. Fl. kid very much smaller than A. Close about the same but lip pressed in all cases seen. [Quite unlike A. in this]

208

4-10-30 Allium umbivulatum L. Kniz. 370. Bat 438. Box 398. Fl. Bellerive now. mall. Lvs 7-13 mm. broad, ciliate to apex. Anthers reddish in bud. Fl. about 15. Egg white, with very obscure greenish line down back. Peduncle round 5 vary shiny 120 dull above, shiny beneath. Bulb about 2 cm. diameter, the lateral bulblets (bar) usually about. Filaments not as long as sepals.

4-10-30 Allium

Bud. Bellerive, path, east from gate. Bulbs covered with bulblets attached by slender stem which ends at base of a flattened section near top of bulb. At this surface the bulblet being plane,
4-10-30

plane 7 contacts her. bulb of bulb. Not dist from C. roseum where bulbils are attached by stipitate base) St. leafy alarmed kil (i.e. not counting in more without bases below) St. reddish at base. Labs glaucous, flat 7.4 mm at base. Styles, filaments, glomerous, ligule, short, tough, white, entire. This rules out C. principatum. Was poliotic, side vs C. roseum 2. C. macle. Buds too young to show clear spathes at this stage with long green tips. Perhaps C. rotundum I vs. ampeloprasum. Kn1 368. = C. ampeloprasum. Bas 437. Bon 297.

4-10-30

(a) C. roseum L. (See 3-20-30) Fl. Bellerue. Lvs not more than 5 mm wide. (b) B. (1977) which up to 15 mm. minute. Roughened on edges (at least below)

4-10-30 Thesium humide Valg. Kn1 425. Bas 586

Flvs minute F. Bellerue. M. or nr. wall. (See Bon 297 2 BUS 432)

for C. species of T. humedum or T. demiricatum plan with florescence (fem) F. almost home. Lvs seem entire but bracts (the longer ones easily mistaken for fl. sep in lacey fl.) clearly "denticulate aspera". So there are upper lvs. protruding very short bracts which are also "denticulate aspera". Lateral bracts short for 1-2 times longer; the 3rd bracts long for 7-9 times as long as fl.
4-10-30 Linum
Early bud Bellver. foliage from gate. Impossible to determine whether L. gallicum L. Kn. II 1874, Bas. 73 or L. articulatum, Kn. II 135, Bas. 71. Petals yellow. Lower
 nerves (an occasional upper one 3-nerved) 5
 pedicels in axil. of 6. Main ax. upright with
 several much shorter at. from near base. Main
 at. also handling near top. but these handle-shaft
 no sign of being "pubescentes profusos internus."
 Lower 6-8. about 1 1/2 in long, upper level about 1 1/2 in long.
 Lindstrom body on margin, lower side
 impales unequal, round like brow with a double
 gland towards base (see 11-27-30)

4-10-30 ? Campamarula crispus L. Kn. II 442, Bas.
2697, Bas. 260. Early bud Bellver. 9 delicate upright
 branches from base, greenish green, heavy in all
 parts. 1/4' apart, orange with coarse rounded
 teeth, rounded at apex, narrowed to aculeate
 base. St. angled. On upper axis a calyx,
 1/2' in long with at its top 2 small 3-lateral leaf
 bracts 0.1 in long, greenish green and what is evident
 is a bud of a similar nature. The most advanced
 buds at this time are 0.5' the uppermost leaf
 ovulate bearing its axil. a stem like
4-10-30
like those just described. The flap (apparently) has
pedicel 1 mm long. Plant strongly suggested it was
fl, except that corolla is not expanded, just like
all fl: Calyx almost flat. Petals inside excepting 1
basis at base of corolla. Leaves not nearly long enough
to be Specularia. (See fl: Box 0 BVN # 625) (See 11-30-30)

4-10-30 Anthyllis tetraphylla. (See 3-30-30) Bell's
fl. is fl. but petals calyx much inflated.
St. spreading 10 cm in (jumprots) Actual 5-29-30
certaintly not under fl. breed seems always fl.
Stamen discolphous even in fl.

4-10-30 Antirrhinum Leontium. (See 2-4-30) Unique
fl. of Bell's. Seeds deeply balled on one side, smooth on
rounded on other with perfecting spine

4-10-30 Antirrhinum Majus. Unique fl. almost same
shape as above. Cult. Infanta 5. Seeds very rough with
depression at the edges. Points bent

4-10-30 Erysimum Officinale. Seed form 11/4. See 30
Box 30 BVN 39. Fl. very young. fl. Bell's pasture
eastward from gate. 6' with S. lycoperclus, Peg Bellon & S. Field. Continue Hauser et al. Not, mostly downwind. Points: too rough to be called "bellas." (See 12-3-20, # 429)

4-10-30? Dicranum platycarpum Berg. to # 306 - Calypogeia Bellon. No. or field = Cancialis

Pleosporous. Being lazy in Ron's thin's little Dicranum or Cancialis. It's too young to be much help. But of

4-10-30? Dicranum platycarpum Berg. to # 306 - Calypogeia Bellon. No. or field = Cancialis

Pleosporous. Being lazy in Ron's thin's little Dicranum or Cancialis. It's too young to be much help. But of

4-10-30? Dicranum platycarpum Berg. to # 306 - Calypogeia Bellon. No. or field = Cancialis

Pleosporous. Being lazy in Ron's thin's little Dicranum or Cancialis. It's too young to be much help. But of

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Pleosporous. Being lazy in Ron's thin's little Dicranum or Cancialis. It's too young to be much help. But of

4-10-30? Dicranum platycarpum Berg. to # 306 - Calypogeia Bellon. No. or field = Cancialis

Pleosporous. Being lazy in Ron's thin's little Dicranum or Cancialis. It's too young to be much help. But of

4-10-30? Dicranum platycarpum Berg. to # 306 - Calypogeia Bellon. No. or field = Cancialis

Pleosporous. Being lazy in Ron's thin's little Dicranum or Cancialis. It's too young to be much help. But of

4-10-30? Dicranum platycarpum Berg. to # 306 - Calypogeia Bellon. No. or field = Cancialis

Pleosporous. Being lazy in Ron's thin's little Dicranum or Cancialis. It's too young to be much help. But of

4-10-30? Dicranum platycarpum Berg. to # 306 - Calypogeia Bellon. No. or field = Cancialis

Pleosporous. Being lazy in Ron's thin's little Dicranum or Cancialis. It's too young to be much help. But of

4-10-30? Dicranum platycarpum Berg. to # 306 - Calypogeia Bellon. No. or field = Cancialis

Pleosporous. Being lazy in Ron's thin's little Dicranum or Cancialis. It's too young to be much help. But of

4-10-30? Dicranum platycarpum Berg. to # 306 - Calypogeia Bellon. No. or field = Cancialis

Pleosporous. Being lazy in Ron's thin's little Dicranum or Cancialis. It's too young to be much help. But of

4-10-30? Dicranum platycarpum Berg. to # 306 - Calypogeia Bellon. No. or field = Cancialis

Pleosporous. Being lazy in Ron's thin's little Dicranum or Cancialis. It's too young to be much help. But of

4-10-30? Dicranum platycarpum Berg. to # 306 - Calypogeia Bellon. No. or field = Cancialis

Pleosporous. Being lazy in Ron's thin's little Dicranum or Cancialis. It's too young to be much help. But of

4-10-30? Dicranum platycarpum Berg. to # 306 - Calypogeia Bellon. No. or field = Cancialis

Pleosporous. Being lazy in Ron's thin's little Dicranum or Cancialis. It's too young to be much help. But of

4-10-30? Dicranum platycarpum Berg. to # 306 - Calypogeia Bellon. No. or field = Cancialis

Pleosporous. Being lazy in Ron's thin's little Dicranum or Cancialis. It's too young to be much help. But of

4-10-30? Dicranum platycarpum Berg. to # 306 - Calypogeia Bellon. No. or field = Cancialis

Pleosporous. Being lazy in Ron's thin's little Dicranum or Cancalis
4-10-30 Ranunculus Bulbocastanum 1. Re 1936
Bulbocastanum - maritimum
Villa Re 208

Carum Bulbocastanum Nov 133. BBN 191 ill.
F. Bellers path eastward from gate. Strong white
round, lobbed; 2-lvs. of long
linear sep (usually parted but 3-sep., sometimes
more v sometimes only one ( Buzzard always 3-lv.
more) (See 4-4-30)

4-16-30

Bellers path & "woodgate" v S-W gate. Only 2 plants
seen. Lvs. appearing as surface ground cover in
lily or reeds families. Leaf only collected. Basal,
oval, with many parallel nerves .5 x 2.25 in
entire, or highly glary on both sides not so
artificial. May take be reemergent reeds like
water. 1-4-31 2.5 x 3.5

4-16-30 Helianthus glabinum Rce (See 5-30-30)
F. Bellers. Note that while upper lvs. has the
long tapules like 3-30, the lower ones or "shears"
were similar. Ants 1 mm & often clothed after lvs.
are fallen. Part of pollen is becoming marked
by granules. Toward Top. (See 11-6-30)
4-10-30 "Poa cistacea." 3-14 13-17-30. Fl. Bellver. Oil with armor and is very rare. Perhaps Furneana viscidula. Species are thympithec.

4-10-30 Helianthemum guttatum. Mill. U. 300

4-10-30 Launcrus ovatus. (See 3-20-30) Bellver.

4-10-30 Poa bulbosa. L. Mill. 01 Bas. 300, Bas. 362. Bux 361 (still little like aper.) Fl. Bellver. 3x5 in height. Another 2 bulbous aflat. Very slender. Stiped green violet, germinate at nodes. Based has reaching about 3 in from ground 2 mm to base-wide.
4-10-30 Sphacia capillata var. juncacea (See 3-17-30) Bellevue.

4-10-30 Ampelodesma maoritanica Druce Raking (See 3-26-30) Bellevue.

4-10-30 Melilia minuta 2 forma vulgaris (See 4-4-30) Bellevue S-c corner.

4-10-30 Carex glanea Munr (See 4-4-30) Bellevue E-c corner.

4-10-30. Gladiolus illyricus Koch Kuit 872, Bel 4/3. Bef. 305 E. Bellevue. Ofd with G. xevatum 4-4-30 which are also G. illyricus 3-26-30. Less 10mm or less wide; St 11/2 mm diam. Usually if at all zig-zagd in infl so that fls are more nearly in one row than in
G. regatum. Fls. 1½ in. overall, deeply colored.
(Rarely "pure purple"). Stamens and style varying in length, but certainly altered than in G. regatum.
Anthers 1.5 mm on filaments 12 mm. Styli filaments sep. not apiculate. Nts. distinct in 4 loci.
G. allyricus v G. communis seems contradicted by Burns. Leaves show definite signs of being winged,
quite different from G. regatum. See 11-29-30

4-15-30 Calola perfoliata. (See 3-14-30) Bellows found which opened in house. Had parts in Mathematics shaped
like horse shoe span ends up.

4-20-30 Allium sublittorale l. var. umbellatum Bet
v. Near S. Umbellatum Bly. Ft. Bellows (See
4-20-30)

4-10-30 Eryngium Campestre
No frs. Bellows Ross. Campanulae 2 in. 2 frms.
mnt with racem widely margined
Ident by spec. collected Oct-Dec 4-30
210

4-14-30 Lophos tetragaephyllum Murray (3cc 3-26-30) FL
Fortemont Rd west side (divide. Commonly garden 3-26 but
petals 2 mm. left 5-8 mm. 4 usually 4, sometimes
3 or 5 petals (note Barcelo says 4 petals not 3 petals
instead). 3 petals 1/8 leaf as 9-36). 1 small
solitary (in 1 case 2) on peduncle 3-5 in long.
peduncle bearing like at, 3 in 3 petals 1-3 mm.
Terminal earlier. 1 ft. calyx 3 leaf joint standard
10 mm. broad erect, outside reddish brown mixed with
yellow, inside yellow, veined red. Larger than
the 3 pedicels wings folded. Calyx reddish brown or news
intermediate spots.

211

4-14-30 Astragalus Poteriunum. Var in 3-10.8, 3cc 3-14
FL, Fortemont Rd west divide both sides frequent.
Sees all Kx III exactly like. Decussate round candel. 3-5
perches 6 in high. Very sharp spiny with persistent
petiole with Keith the branching matted to
base. 1 ft. almost 2 cm. with 4 to 6 leafy. (Bar
say 2-4). Spiney tips 3 leafy being covering. 1 ft.
short petiole, not exactly 3 cm. 3 mm. long,
Lanceolate, the sides folded somewhat pointed
across. (Bar says 0.5 cm). Stipules adherent to petiole. All parts of
with short white or yellow
hairs.
Calyx
Dentate tubular 4 mm + teeth 1 mm. Harveys hand like 30 but liar 60 teeth dark. Corolla white with purple marblings. Standard labeled topic to point which will to wings. Standard longer than wings. Wings longest. Sides clear. Pubescent, 11 double (in one case) Baraygo "cali monophyllum". From 1-3 fl. axillary raceme peduncle attitude 12. each pedicle subtended by nectar head as long as pedicel. Each fl. with 2 alantie has to at 7 mm, the more advanced for any that only underdevelops.

4-14-30 Stanley's arvensis L. Kn 1238, Bae 367, Boro 253, Bx 368 fl. Al. Eirmento R. meadow side. Divides off about 3, lioto L. 4-4-30 another placed the almanac and round of lowerstemmen inclined to curl natural. Calyx 6 mm long at anthesis, growing much wider (not inflated) at least somewhat longer later inalved with in 2 equal teeth markedly ciliate 4 with short, spiny spines. Corolla pubescent with purple spots, nectar like concave, pubescent on back, hardly notched.

4-14-30 Iris Sisyphus tucki L. (See 3-29-30) Ellensel pueblo. Fl. and leaf evidently withers in afternoon. Wind. Root a corn whole. Adams to grow
grove new one on top of rd each year like our euc. gladistea. Staunton white.

212

4-14-30 Rhamnus ludovicianus Salvatoris. Check list: 174 = R. balcanicus with Bae 99. Fr. Torments R'd east end I divide near top of loop above foot of Fr. or F. 4-Spatted. Tiny petals sometimes present. loo gray-green abax., yellowish but hardly grey below. Cup-like persistent bracts finely pubescent but not "glandular-scenticulata." Youngings, petals 8 (sometimes 6 younger tiers) pubescent. The densely foliaged branch has evil odor.

4-14-30. Al泌is alba L. Trees 434 = Al泌is = L. Bae 408. Rom 276. 7 ft. Pollensa east end of Roman bridge and 3 ft. more higher. 3 ft. the thinnest. Green with brown stripes where branches broken, very much branched. Branches green at node except for expanding fls. Short young obliged from these branches has expanding too. Very few mature leaves trail. These are Coriacea, alt. stipulate, entire, linear lanceolate. 1% in long, acute leaves. Dull very short raceme. 7 aborted 6 flowers the terminal (1 st opening one) is stamina 2x more fls. by about each. Beaks callosa, 3 or 2 mm. petals
Consist of seven-shaped perianths, with 3 oblong subulate lobes lined with the disk where
3 oblong petals alt. with perianth lobes. Sta-
men 3 with 3 lobes attached to upper
edge of disk. Each stamen with triangular
spines behind at base. Filament 7
many. Filaments yellow green, perianth thick 3
and 17.5.30

4-14-34 Calaminaria arachnoides. Knue 423, Bas 223, Bon
142, BvH 222 Ill. Fl young fr. Near above.

4-14-36 Panunculus camphoratus. L. (see 3-20-30) Fl
advanced fr. Pollens a shortly ca. from base.
Plant care much more 3 to than 3-8 and
reflexes at glauber, receptacle as a pilous
fruit a sheet bow the couple more many atten-
plac in 3. 35 impossible to find with P. panfrutus L
4-20.30.

4-14-36 Schizophylla peregrina L. Knue 369, Bas 335
Bon 221 Fl advanced fr. Pollens a shortly ca. 3
would now bridge. BvH 3834 good.
t-14-3β Alkanna guttis. Morris. (?) Nutt. 304 = 2-
—D.C. Bar 321, Bar 231 FV advanced ft. Fermento Ph
east side fat divide channel. Neck of very evident
'Callioides' not prominent but distinguishable Ph
immersed, the yellow costa barely longer
than gland, post-ovariet calyx Plant has two
feel of Retinum. Written in a Bar. received from this
locus in island.

4-14-3β Pastinaceae lucida. Nutt. 348 = 2-
D.C. Bar fr. Fermento Ph east divide toward base.
Left just arising from ground suggests of Rhabstes.
Dark green ovary alineated, light in upper
veinage below the veins almost yellowish.
If dial (can't be made the flat) 3 1/2 x 3 1/2 in
elliptate 3 veined at base, the lateral veins ter-
minating in shallow rounded lobe, the
next 2 lateral veins terminating in less
distinct lobes, entire edge of 3. Creases of
entirely glabrous, thick leafy. Flower encrusting
punctuating, barely disintegrating. See nutt plate
X1, which picture may be exactly except that in
mine the 3 lower lobes are connect ed through
almost tips.
4-14-30 Silvlex aspera. (Sec. 2-25 vs. 37-30)
Dense, start thinner, leafs 6-10 in high. 26 lbs.
B. Near by. Fr. reddish. Fern-like.
C. Flower deciduous. Plant more as usually seen
but not climbing. Diet: Same as 8. More recent fruit bearing plants well armed. 1 in un
armed, most decid. green. 1 in long x .5 in at base.
Fr. reddish, 5 mm. reddish.

2/3 FBK
4-14-30 Salix

Fr. very young fr. Pollens. Fr. Fermenter. Prolab. Fr. Plant 6 in high, not too wide. 3 or
much branching from base, these with short
1 in or less lateral branches almost at 90 to main
3. St. angled with downward pointed pendulous or
angle. Leaves 6's, lanceolate pointed, 7-9 mm
long, dark green. Almost shining, green
pale below, small pendulous or edges almost shining.
Pointing upward. Lateral branches almost
6 in other branches. Usually 3, pendulous.
Peduncles usually a few with 1 or more small
 pendulous tips. Fr. very small, about 1/5 mm. long.
greenish with purplish tinged outside (not at
self-wilted). All seems fertile, the mericarp either
smooth or pubescent. tuberculate.
4-14-20 Epipactis microphylla Swartz in T413, Bar 5849 Box 309. Road Roa short way from Fortmento Hotel just across road from house. Leaf: 3 inches long, 2 inches wide, light green, glabrous at base, glabrous with dense covering of thin white hairs in scape. Scape or lanceolate, longest 1 1/2 in., all shorter than internodes. Effect is brick-like except that the petals are 2 1/2 to 3 1/2 inches long and wide, sheathing at base, upper two sepals saccate, all five petals glabrous. Flowers lax, raceme, 9 to 12 at this stage, flowers as long as the scape. Lower petal broad, in case with the same saccate petal as St. Sepals and petals now green, more or less keeled, free. Lip definitely 2 parted, apically narrowed at middle with 2 "gibbs" deep, which have no corresponding columns on underside. Antlers large white, base on aborting filament, not saccate. Stigma face both thick, ruffled edge below column at sides. Style stigma basally similar, ruffled projections supporting base of antlers.

divide near base, the buds so young that lute has hardly developed. Bar. Detailed line makes this ident. almost sure.

(see 4-20-30)

4-14-30 ?? Eucalyptus Leaves. Coniferous.
Very early bud. Pollen - Ferrugineus. Echinate with side branches starting from middle. S't 4 leaves, glabrous. Valving, 1st in whole 26-7, incised. 2nd in valving above v below. Lower leaves oval, oblongate late 19 x 2 mm. Shape pointed, with a few upward curved parallel edges. Internodes as long or longer than leaves. Above internodes very short sometimes 5 mm. 2 or 3 linear to 4.5 mm x 2 mm smooth or edges. Nodes pubescent at base. 1 or 2, enough to catch durat rhizome developable circle. Infl. scar, terminal on axil branches. Petals 4 or 5, and re- cunminate tepals reflexed in bud as in Eucalyptus tree. (See 11-6-30)

4-14-30 ?? Euphorbia
24-13-32. This was part B. gracilis (in April? 1932) making 8 to 10 seeds and also perfect flowers. Catalog 390 map.


* Pollenodes - Formentor. Perhaps not a line from place near west of Hotel Formentor. Plant very slender 5-11 in. long, slender, almost glabrous, f. flowers usually 3 peric., sometimes 4 per., some of less acute, some except when 9 lowest lvs. definitely of true. Tendril seems always simple, sometimes long v much curved, sometimes rudimentary. Peduncles very slender usually 3-4 in. long, very much longer than lbs, sometimes 2 ft, very abit. Habitat a not cold. Calyx teeth unequal, a rounded deeper sepal at base. Fowers 6, and other pale lilac, very definitely seen. Style compressed laterally. Podoatisitats of flowers and the largest at this stage 12 mm x 2 mm. Plant 5-6 seeded.

Consider possibility B. litoralis Moench var. gracilis Rchb. f. V. gracilis Moench B+H 127 = Erwan. gracilis DC. Bas. reported as more common in Majorca. Note calyx, fiores formst. Ano press, slant bit off baius.

4-14-36 Cardamine incrassata L. (Exc 3-17-36) Blk Fr. Formentor Pt.
4-14-30 Centrantus Calciatus B. (Ree 3-26-36) fl. Formento Rd. In Ree 228 as Britton's Campanula glomerata, etc. not very clear. But in this list it ultimately 2-branched. The semi-lateral bracts thornless but whether sharp or bristled are not ciliolate.

4-14-30 Melica minutula L. Kru 1917, Bas 59.3 fl. Formento Rd. (Cf. misd 1 M - 1 forma vulgaris 4-10-36.) 8+ x 13 in. high. 1.50 involute bracteae. Effect quite unlike forma vulgaris but filing quite similar. Spikelets few 3-6 ultimate spikelets at lower than spikelet (1) 5 mm long. Avenues broad than f. vulgaris at top with blunt point, not as long as spikelet. = M. romana Will. Rom 864

4-14-30 Carex
F.L. Indented close to, just west of Raffensee Road. To be
noted collected in slender 3-4 in. edges not sharp, ridged. 2-limb bract at base 1-2 in. as long as 
head, head ½ in. Light green, closely appre. 
spikelets. Spikelets brown 0.75 fls., a few 2-3
lengths 2. 4-12 brown with broad ovate margins
narrow slightly colored middle (greenish sometim.)
which is more about prolonged at apex. Perigynium
with their edges ½ short ciliated, bracts, calyx
rough on edge below mouth.
4-14-30 Lotus cretica var. (See 3-4-30) Ft. Beach just west of Hotel Ferrante. (See 4-18-30).

4-14-30 D. laxiflorum D. floribunda Sin in DC. Very early bud. Adjacent to Hotel Ferrante. Opp. luncheon. Not belongs to Lotus - D. laxiflorum - T. floribunda group. Old inhabitants. St. descendent with numerous side branches minor less ascending. Side branches long with long white, not spreading hairs (older sts. show remains of these hairs). 6 to 8 or parts 1/2 mm long with at pules like left all with same hairs as at least. The whole petiole greenly no hairs. Terminal leaf lanceolate 15 mm lateral leaf almost the same, slightly oblique. Sheaths 8 mm long, upper sides ½ as wide as leaves. All leaves with long white hairs. Flowers short stalks in 1. Creteus. Tip of side branches bear few parasol heads but by far in Lotus, densely hairy. Calyx densely hairy with long white hairs, lobes very narrow, long, acute, anterior the longest. Lateral petals almost 2 petals in one all hyaline. Note this is from 1 Creteus while lateral petals are very small. Calyx has 3 mm T. purpurea 4 mm 1891.
4-14-30 Choris reclinata 1. Fls very advanced
fr. (See 4-3-30) Form to Fr. Seeds 12. Contract to
at base with me like twice as large as other.
Minutely spinulose. Calyx lobes acute, not 3-tliced
at apex as 4-3. Fr. pubescent.

4-14-30 Choris
as flo fr. Refractant petal Form to Fr. Spikes
linear. Nebular to in fr. Decumbent 1 flint. With
long white slightly wavy bracts. Nado dented
nearly 20x. 2 red bracteoles both sides. 2 X glandu-
lar. Tepals along 1 cm, attached to petal more
than 1/3 their length. Clasping st. but free in front.
Digitate at ovary. 7 mm. From base to terminal leaf. Leaf slightly curved at
all around, venes conspicuous. Terminal leaf:
Located near by verticiles. 2 cm long, lateral
leaf somewhat smaller, slightly inequilateral.

215 R13K
4-14-30 [Thapria villosa L. see 3-15-35]
1. only. Ribs to Fr. Forms to 1/2 to divide near bottom.
Clefting base. 3 verticiles suggests Umbelliferae.
L 1-5 x 5mm 3 compound, the ultimate
segments linear. The adaxies winged, not decussate
segments. (Main rallies) winged.
4-14-30 winged only in upper ⅔ of grayish green. veg of the pubescent above, beneath gray glabrous except for veins. Edges revolute.

4-14-30 Salix cinerea L. (see 3-27-30) 7/8 8 fr. Pollen as white as washed away brick. Calyx spiny & stillate pubescent. Corolla purple ⅔ in wide, stillate pubescent on back. F2 yellow glabrous about 1⅛ in diam.

4-14-30 Epilobium brachycarpum (see 3-27-30) 7/8 8 fr. Fr. fruit here. Each divide. Woody at with branches in rounds of 3. Three gray green glabrous, articulated in seg ⅔-⅞ in long suggesting equisetum. Top gland or accessory thin naidors, brown membrane with ex tending upward in 2 rows p to opposite side, fused. sheaths succeding seg. Branches seem inclined to bear stip p. Branchlets (a perhaps thin buds are for fls)

4-14-30 Chamaecyparis fumosa L. (see 3-5 1 7/8 8 fl. Fr. Fruit here. Filial decidate fr. base. Calyx ⅞ very glabrous acuminate seg united at base. Corolla about ⅛ in long also united at base (BMCP p 445)
"petals free") Stamens 6 anthers united in tube. Styles 3 separate.

4-14-30? Asine muscivorum l. f. Kn. 352. Bar 470. If only collected Formentor east 7 divide near bottom. Middle seg. lanceolate 4 in. at base sickle shaped. Lateral seg. (each side) similar but shorter almost 3 in. to middle seg. This fruit looks like a reasonable halberd shaped if part in front value this are 2 more seg. on each side, the edge of the thick Dulas petiole being prolonged upward bearing 2 divergent lanceolate seg. which are connected with each other with lateral seg. This resistance very well with Bar. Ident. 24th Feb. 4.7g. the 3 main seg. vaguely marked with yellow spots of blacker green.

216. P.S. (Sent March 1981)
4-14-30! Asine pictum l. f. Kn. 353, Bar 469. Flower miniaer fr. in crevice rock or Formentor Red west 7 divide. 4 full green yellowish in places (part beginnings to combine). Very well definitely yellowish lanceolate with basal knobby base, rounded more than the others inside 6 divergent not widely lobed. Fruiting head 1½ x 1½ in. Fr. rounded at top ⅛ x ⅛ in. Only fertile possibility is B. italicum
4-14-30
italicum—will which seems unlikely from age of fruit at this time and from position in shady place (See 1-18-30 Fl. col. from what is first same short
undoubtedly A. juncifolium.)

4-14-30  Sedum dasyphyllum & p. flavum glanduliferum
Bong (See 3-19-30) 20 fr. per. Pollensa west quadrilateral ridge

4-14-30  Sedum stellatum 1. (See 3-19-30) 20 fr. per. with albes.

4-14-30  lettuce: Aphea 1. (See 4-14-30) 20 fr. per. Mel above

4-14-30  Hypericum balcaricum 1. (See 5-18 3-26-30) F P
Fomentor Al.

317
4-14-30  Gladiolus zegetum Mar
Fl. Pollensa
4-18-30 Cleiranthus chinensis. BMCP 307 Fls. Cult. from seeds collected at San Diego with purplish sepals. (3) Double petalled flowers. [floral diagram]

4-18-30 Matricaria marina. BMCP 308 Fls. Cult. from seeds. [floral diagram]


4-18-30 Rubia peregrina (Sec. 3 - Nov. 9-30) Fls. yellow fr. partly small. Cult. from seeds. Petals of more than 4 parts.

4-18-30 Lycopersicon esculentum L. BMCP 650 Box 356 Fl. Cult. from seeds. (2) from 2 seeds. Calyx lobes white, lower ones not fitting any of the calyx tube. Calyx vibrates quickly, floral tube at base.

4-18-30 Zebrina pendula. BMCP 148 Fl. Cult. from seeds. Vincular flat connective, anthers white.
4-18-30 Galaxicum flavum C. Knut 7 BN 261
Vill. = 4. Lithium 26 Apr R& 21, Bar 13 Fl w young 1.
Porto Pi (see 3-4-30) Only pans in Bar. A Bar. Estimate that this at is glabrous, the blue gray bracts and naries are densely covered with thick white hairs (see 3-18-30) about only naries. Fl deep yellow thin across very pale greenish at base.

4-13-30 ?? Centaniae Calicheastra C. Knut 497, Bar 268
Bar 179, BN 266. Porto Pi. Very early bud, only the long (to 1 3/4 in) stiff v very sharp, densely nerved bracts showing. Three bracts greenish-subnervate, clothed down face to the 3/4 in base often with 1/2-2 small setales a pairlet at base (Bar 209, 4-6). St. about 6 long white hairs. 1 cm. similarly pubescent. Leaf pubescent subnervate. Mid rib conspicuously white unmarginated until decurrent like almost base. Heating simple ax. to very base but not decurrent on st. Needs seem ascide, terminal among loes.

7 young fl.

Porto Pi. Fl 3/4 in overall, standard 3/4 in wide, much longer than wings, wheel, red-wound on back. Kel very deep toward base the upper edges of the tube showings
Every part except. This is strongly suggested by Alnus 3-26-30 except that leaves are always 3 and stipules not to be mistaken for venous branch. Fr. abruptly deflected at pet. partition in peduncle. Seeds like those of Alnus but 4-14-30 in being cordate at base with one like 2 x as large as the others. Stamens monadelphous, filaments flattened at point (or joining others)

4-18-30 Convolvulus althaeoides L. Kitt 296 Bas 317, Bon 317 Fl. Porto Pi

4-18-30 Frankenia laevis L. forma laev. Kitt 191, Bas 57, Bon 46 Fl. Porto Pi 20-22 from same spot. Petals have a longitudinal sulcate fold in center (like scale) in each 3 of the 6 stamens. Petals the same size. Hence 5 petals (not Alnus B. V. H.) at least 5 petals. Look at each node 6 mm long, edges revolute but broad as thick as Bon suggests. St. light green. Calota has 5 mm across, petals slightly notched not each like dentellolate.

(B) Fl. Porto Pi exact place unknown. Like above but petals bright red. Underleaf green then above. Calota white 3 mm diam.
4-18-20

4-18-20  Arcnaria frumentacea Var.  (see 3-19-20)
FL. Porta Pk.  Seems like 3-17-20 except that at least calyx
minute glabrous-pubescent.  No peduncle more than
15 mm.  Pedale 3 longer than calyx V of opened
inside.  Cotula round 8-9 mm across.  Corola
undery shaped V minutely roughened.

4-18-20  Erythrina palmulosa Frese.  Knt. 281. B/H 8/12

4-18-20  Euphorbia
(see? E patrona 29-30-30) PreB same spec.  Blooming
young?  Porta Pk.  Blinda a deep yellow sometimes
shallowly walled but distinctly rounded.  Heads
at this stage white in center.  The small
caruncula could be called "atrioconca".  Capsule
glabar.
as distinct to identified. Fts perhaps smaller, dark blue; calyxes not enlarging in pe. more stiffly hairy; floral bracts more definitely oblong and thread-like, the tubular base of calix not purple.

4-18-30. Bromus sterilis L. (more jet's fame) Nut. 328. Bar. 508. Bon. 348. AVH. 557. very like ill. 50 H. F. Port-R. 44+ 44. if not overlapping calyx to top. Sheaths of blades heavy, leaves longer than blades. Cones 4-20 30. Legole 4 mm. Blue. AL - blades smaller well as ciliolate. Sheaths closed part way inalcant to top. Culm at top very branched 1/2. Precedent. Inflorescence long narrow, nodding or very loose. Pedicels half-white. (i.e. indistinct greenish half-way around(?) unequal, simple or branched 1 bearing 3 florets, the longest 2 in long (not as long as spikes of Undulata. W (What is this? AVH means 651). Ever 2 pedicels (or branches) when joined to main axis with enlarged glume on top inside, more marked than in B. Undulata, and no subterminal bract at base of first. No glume narrowly acuminate, mured, white margined 15 mm. The glume similar but bract 3 - mured 21 mm. with some at mid nerve. Lemmas rough, all one back 2 3 cm. long white margined, deeply valvate, / denticulate, 7 - mured, 3 - murred, 7 - lateral.
lateral nerves distinct, intermediate ones less so. Rouleaux from base 3 teeth to 4½ cm. Pales much like B. kundaccus.

4-18-30 Compositae


31. F. Strigostrum Canadense. Nutt. 448, Bar. 238, Bar. 167, Bar. 417 (all). St. 1½ in high. Actin. red, broad, broad from base to top. Definitely hairy; some baso. teeth unstalked, others longer & spreading not (yellow eye) articulate? (Bar. 237) 20x equally hairy btw. sides, not ciliate. Lower ke lanceolate 0.5½ in overall, with about 3 rows of deeply cut teeth on each side. Vascular bundle is pseudo. Tol. & teeth of true mucronate, the lower 1½. If narrowing via broad pedicel. Sepals in progressively narrower Vs, as other, some having a few base instate. Basal edge at base. All branches terminate in raceme. Pedicels ½ in broad (hacks), lower ones less by longer than pedicels. Heads 6 mm. long x 5 mm. diam. Infl. heads linear, hairy, purple topped. 2 x 4 the dirty white (in pale yellow) 
i. the yellow (in puecles)
[Study E. Canadensis 7-10-31 seems to form this Gyza ambiguus] 

Papillose with fine hairs as long as filament, inverts more pubescent. (See 10-31-30)

4-18-30 Artemisia scoparia k. v. B. (See 3-25-30) Early
     4. Porto Pi.

4-18-30 Beta vulgaris var. mainitima Koch 1937
= B. mainitima B. et H. 107 B. 260, R. N. 367 FL. Porto Pi
St. erect 2 ft. (Consider pans. of B. vulgaris) but R. N. says "Stem spreading." I Jas. Ally 30 very pubescent, most quite entire

4-18-30Polygonaria rubra P. et L. 1936 (Consider all 3 B. Bol. 1st. var. of this) See B. 311, B. 260, R. N. 78 FL v. f. Porto Pi.

4-18-30 Lotus creticus L. (See 3-4-44-14-30) Porto Pi

4-18-30 Trifolium scabrum L. (See 4-10-30) Porto Pi
Hairs on st. 1 1/2s appearing yellow (at least some) at least enough to be called "crenateus" or very slightly "denticleatus."
4-18-30 KOELERIA PALLABRIDE PEE: KAN 307, BAS 4994
BON 360, Fl. PORTO-R. IDENT. ALMOST SURE the
glomerous have among 1 mm inserted between
leaves (Bon p 341 part 1, grouped in rows) and
lemma not with "tubulosus papillosus
prominentes" (Ber) in early fl. STEMS 5 1/2
in or less, spikelets 3 + mm in row, about
8 fl. Glumes only slightly roughened on back.
See also ill Bon [See 3-30-32. IDENT. CERTAIN by
state].

4-20-30 POTERIUM RANQUISTER L. var. nucundata
Auct. mut. (See 3-30-30) Early fl. BURRIS VALLE RD
no of divide.
4-20-30 Arabis hirantia Rchb. f. 33 Eux 31 2. miralis Bertol. Bat. 36. Box 25. Fl. young two remaining last season's. Batiola-Soller Alt. no. 1. hands in a v. with at least yellow hairs on panicle and not at all clumping leaves wind the export tip (see B). To contrary it claim to study position gradient but not at elevations. En memorable is because blue if petals not wide (Ber). For pets. spreading. Mature pods to 13/4 in. Fl. width 7 mm, length 9 mm wide if petals spread.

4-20-30 Ditthopyge talcarica Knob. (see 3-30-30) Fl. Hands divide. base about 6 mm. Petals 18 mm a much longer. Cordon with touch greal where stamens attached.

4-20-30 Lettinea angulata L. var. Apalaeicola. Fl. Field crosscut 20. Middle Wales. Tendril very short bent straight in all except upper 1/2 upper 1/2 in. Siphon about as long as petals (more or less) Fl. Light buckle red (not blue). Thren purple. Lena not siphon. Some 5 to 8 mm foul. Coarse narrower. L. Apalaeicola Retz. Bat. 463 124

4-20-35 Viola lutetia L. Km III 16, Box 33, Box 83, 5th 4/38
J. young fr. 7.5-1.20. 20, side 9 divide. 2.5-6.8 cm long from base, crest near top. St. delicate, angled slightly pubescent. 1.5-2.4 cm, often almost 3 cm. St. length 8 x 8 mm, slightly pubescent at apex with 2 points, smaller ones 5 x 3 mm. Some have pubescent stem. Stipules half sagittate, sharp pointed, sometimes denticate toward base. 2 pubescent, usually glabrous. Cilium 2, at least 1 upper one with dark spot. Teardrop shape plant in most but in some 2 shorter ones longer. 5 celled, simple (in 2 cases) with 2 short branches. Fls solitary, 12-14 mm long. Calyx appears regular in some, less regular in others with sharp points, green, pubescent, ciliate. Standard is very pale yellow, no colored veins but tinged purplish in claw. Wing parallel still pale (almost white). Very young fr. is faint green, bent on edge only, at petiole, very short, thick. Standard glabrous. Not like all D. sites R W.

-20-20'. D.elli antralis. I. Bat. 47.2. Box 203

Fl. Cult. at what S.K. calls "mulberry house" 20X. 

side 9 divide near top 1.5 just coming out of the fading. Stamens 5, the fur. fatter. Than 9 filament & hairy ring (disk?) encircling ovary.
4-20-30 Juglans regia L. Bar #26 B-84 6 MCR
227 14 0.7 Family el. Cult. house near top of divide 1/4
mile. 2/3 with strong but pleasant odor when crushed.

219
4-20-30 Lathyrus Welwitschii DC. Knuth 123, Bar 144 B 88 1-6 well developd fr. 25, side 9 divide functionally
at top (S. chin to well together) Exactly same DC Bar. But
note is to stipules: the broad leafless petiole are
decurrent on st. When no stipules or only a
short tooth to represent a stipule on each side,
the uppermost petioles which bear to have
these teeth developed to look more like stipules.
Corolla pale yellow, standard delicately veined
darker.

220
4-20-30 Allium subtilissimum L. var subtilissimum
Fl. Plantifol in one spot mid side 21/2, no. 21/2
de 9 divide near base. As des. Bar except "bulbils"
not evident. Scapes to 1 1/2 in. sometimes slender
but mostly 1 in more longer than low. Fls
8-18 (usually about 12). Note: filament longest
perennant parts. In times there may not grow
in May; so plants must be for 7-8 a form.
A. subtilissimum L. (see 4-4-30) with which
this was compared. 4-20-30 box at room but more slender, lvs. 3-5 mm wide, anthus yellow, lf. tapering to much finer point & ciliate only below middle, peduncle & blossom leaf not shining. (See 4-10-30)

4-20-30 Aceras anthropophora P. Br. Bu. 711, Bae 450
Box 310, Bu. 463 1.3. Bud edge in wall above, just below house no. side divide under the roof in air, sepals green with red line on edges, petals green, lip green more or less reddish or yellowish.

4-20-30 Aceris intacta L. inda = Aceras kewaplre Poe (See 4-4 8-4-10-30) 1-8. No side divide. Flowers enzyme purple spots on stripes, to look pink as in 4-10-30, but middle lobe of lip at least sometimes toothed as in 4-4-30.

4-20-30 Potentilla ephelana L. (See 3-19-30) Fl. 50
Side divider.
Seepiurus antillarum, Nutt. 1889, Bar 147 Bar 91. Me from pine tree S antler 2.,
4-2-36 Hymenocorus cincinata; S. Ant. Bar 73, Bar 42, Bar 143. Fl Inv. advanced f. Short
exit time field just above Alfalfa, (and partly upon open side). Leaf almost quadrate. All ho
simple, ob lanceolate, entire, acute, tapering to
slender petiole to 1/2 in. overall. Leaves definite
lanceolate, acute, stipules 1, attached
to petiole at the middle, white edge outside, the
rest often red. The stipules inserted low. Clearly
overlapping (sinuous), flat, sheathed, petiole shiny
with a silky sheath. Leaf dull green, only the mid vein
evident, more or less whitish pubescence (downy) cap
on edges. Pedicule longer than leaf to 1/2 in
(twice to three times in f. 3.5 in). Both collected
with Pedicule 3-4 in. Pedicule Bear 1-3 in. (usually 1)
with v. small (about 1/2 in) slightly torus.
whitish, base below ft., really does have black ped
1 in. inside. Flowers white, the petals
kipshaped. Caly tubular, 5 mm long, cut about
halfway to base in 5 sharp teeth. Lower 3 teeth
separated by wide but pointed sinuses. The
2 upper teeth narrower and deeply divided;
2 lateral sinuses rounded V deeper than any of
others. Ft. about 9 mm overall. Corolla deep yellow.
Standard delicately veined red. Keel turned
upwardly narrowed at tip. Stamens clearly dia
depressed. (Parasol natural habitat) Filaments
slender, the longer ones with inflated white tip, antehirs ray small. Style slender longer than filaments with very small terminal stigma. Fr. linear, the upper half (at least) curving in spiral, ridged with rough spines on back. Under 5 cm only one studied, 25 cm. Most advanced for very late fall.

4-20-30 Veronica arvensis L. Küt 386, B. 2344, Bon 236, BBN 549, FL V-2. Buño-Sellers. LS cuneate.

4-20-30 PLECTRANTHUS limifolius DC. (see 3-11-29, 4-15-29) FL. Buño-Sellers. Prof. van Halsema. Will Bas 219. Form not perennial root a thick but fragile rhizome. Inflorescences vlo about 10 cm, in less than 2 mm wide vessels in Bas except rusticated in H's. Coella later 6-petalled.

4-20-30 Antirrhinum majus DC. (see 3-10-30) FL. Buño-Sellers. Scale pink. White t translucent with brown edges 5 green midrib, pubescent. Ray flo. with stigma (see BBN.)

4-25-30 Geranium dissectum L. (see 4-16-30) RH from Buño, addition to Palma-Sellers RH.
4-20-30 Allium

Remeins in 6 last seasons very young buds, too young to show close cut filaments. Note I divide (pinched?) 1/8" in barb. No flat, slightly keeled, the widest 7 mm. placenta except for few distant short, hairs one edge toward base, mostly pointing downward. This dif from A. tricen 2. 10-10-30 which roughness is almost tuberculate (papillate) v from Allium — 4-13-30 which is entirely placenta. Dif from this last also in having no ligulate v bulb small 5 mm with several layers f ronvela tense but no bubbles. Sampl v protocole (last seasons) more slender than in those she studied. Capsules more than 4 mm high v 3-4 mm across when open, empty.

4-20-30 Reseda Luteola. KnT 38 Bsc 53, Bsc 38 Bx X 53 ill. 20 1/2 divide very near top. (1) Fl. Lobes hardly waved in edges. Upper 4 leaf about 5 divided, lateral petals about 3 divided, lower petals undivided. (2) In long bud 2 strong lobes strongly waved in edges.

4-20-30 Anchenus Stellate. Ket (see 4-4-30) Rl 83. Divide near top, 57 mm. Calyx violet all purple light. Port trash.
Poa E. medicaginea. Photo Km II, 159, Bar 418
4.20-30. Enatheria
5-8 ft. Prob 50 side divide. At least 5 flowers. A panicle
just could be called "skew," redating salmon
valleas to drop easily. Too sensile, close to
getter's & bearing upward 1 1/2 x 3/4 in, glabrous.
but part more gule-rose, it truncates apex with
middle forming a blunt point at whose short
slightly joined togethers. Definitely dentate
with lowing teeth each which grew least
more more oclue on sides both. Seed
axilary rays below umbel. Photo 5, 3 x 4 times
bifurcate by. Bracts J umbel resinlike 2x.
Bracts of bifurcations are 2-d. broad at
base v. slightly condensed. Bract lobes rounded
tips blunt, slightly notched, middle ending
in blunt point. One side of bract usually
narrower than other, its edge concave.
Anthers green or deep yellow definitely semi-
lunar. Capsule rounded with obscure
unihis point & held neither deeply 3 divided.
Seed black, single with oblative dots, dashes.
Stem strongly angled, purple, one side, two all
Salt with 4000 small hairs on axis, 40
tend, upward, 6000, 50 upright, broad
at base. Thiagner white on midribs closer
Lythrum at home. [W4-52 Freon case and no Liff.]
Place this plant, seem to be L. salicifolia, which
was collected on mud flats. sold later in the day]

221

4-20-30 Orthosiphon umbellatus. "L. f. (See 3-29-30)
Fl. 30, 60 divide more than half way up. Only
1/2" or " in. 40 long (11 in.) seeds. 6mm wide with
wide stripe in center. Seeped 9 in lower pedicels
at 1/2 to sepae.

4-15-30 Zygadenus jucundus. 220. (See 3-29-30)
Also same as 4-14-30 having petals with
sharp reflexed tips even in anther.ToList
66 rather stiff linear 6 mm x 1 mm, sharp pointed
edges somewhat reflexed with a few upward
pointing tepals. Midstems below the 3" round
leaves. I. Cell. rows above nodes. leaf a long narrow
pennate. Cell. 3+ mm long, not counting the
inflexed lips. Anterior yellowish, antithesis and turn dark brown. Fld. at this stage and
Internodes in inf. 1-2 in.

4-26-30 Desmodium pendulus Linn. (See 3-26-30) Fl. 30, side 1 divides. Calyx tubular with 5 almost equal keels (casi bilabiate) 3 sep. Calli
wings with conspicuous upward protruding pordle. Lf. just below of head 3-foliate. Note
that sessile if seems really 5-foliate with 2
swell free stipules.

4-20-30 Asclepias argentea Linn. Villa 1. RK 1
6-7. *A. linnaeanum Walp Bae 109. RK 71. Flv well
advanced fr. Bracteole yellow. FL known unknown.
Thick mostly erect with many short branches to
½ in. which have a thick small leaf. Stems upright
densely white silvery branches 6 in. high. Lsc 3-5
petals 1½ cm. Lips 1 cm x 3-5 mm. Stipules
linear-lanceolate, free from petiole and jointed
at base on root of petiole. Calyx 5 lipped, the
upper lip ½ long claw, base divided, the other lip 1½
much less deeply divided. Standard
very silvery, more center is back, marked with
delicate notches, dark lines inside toward
base. Stamina 5, ovate. Style
4-20-30
Style curved with stigma set obliquely. Sepals recurved naturally in threes the reflexed pedicel with base at top v. 2 lateral bracts very slightly higher. Fr. compound the largest (at this stage) about 1 in. long. Fr. bears the somewhat upward curving style but this is not (see Box) as long as it is broad. All green parts inc.
fr. sitting part like 4, locules so or upper side.

4-20-30 Phrynium alternans (see 2-27-30) F. Fr. top 2 divide. Short axillary racemes with 1-3 ripening frs. Bracts from which pedicel have fallen cup like as wide 2-27-30. Calyx persistent venetastic
4 as though lobes had broken off as if expanded. Fr 1 dark red, slightly haired 6 x 5 mm. Nutlets 3.

4-20-30 Catalpa A. Agarolea L. Ber 167, Box 162 BMGC.
P 367. Fl. 1st. bract no. 2 divide again lowermost, 1st petals stiff firm. Pubescence 8 less dense. Bt. not as much as Bt. 1st
2 . Bt. 2 fainter and these frs. candied in Palma.

4-20-30 Lepidium Draba L. Blu 13, Box 42, Box 93. ROTH.
48 Fl very young fr. Bt. 1st fr. station near its junction with Palma. Roller Pl. St Lel. hairs
point downward. All leaves toothed, auricles pointed. For young plants cut blades.

4-20-30. Vicia benghalensis L. [t. 117. = Cicer arietinum L. var. var.] Box 72. - 6. V. arabica.- Desert. Box 72. - 6. V. arabica.- Desert. Box 140. - Y. arabica.- Desert. Box 81. - E. Bn. Sabar. - 10. Palms in field notiator. Afgha. 2160. - Ex. Distr. by P. 10. 9 pairs, largest 12 mm. Elphicid semi-rotate, deeply toothed. Infl. a raceme, climbing, 1 ft. Peduncle 1.2 x as long as fl. Fl. 12 x, 6 mm long, purple, the tips smooth, red, very dark. Calyx purple, hairy, the 2 upper leaves very short, the 3 lower long inversed. Style compressed laterally. Corolla stipitate pendent, beaked. Float first at 4 ft. 5 ft. peduncle, then defl. Tendril branched. Narrow, spine is terminal was not below middle of peduncle, more or less.

4-20.20 Bo. fell. Aae to Brd. O. pruinosus. Wells is the inst common of this group in majusa.

4-20.20 Bromus hordeaceus L. Kn. 550 = Deinacathella mollis P. Bo. 510 = B. mollis L. Bo. 567, 574 55-2. Early fl. Pr. mid from Bundle Dck. to the Parma-Doller Rk. 19th line, decumbent at base then strictly upright. Upto 2ft. the upper half Hale thin reaching to about middle of panicle. Part of culm alomny helos panicle 1/4in ridge but not pubescent ('pubercente ex an ex tenui' Bo). Sheaths x Holes regularly noticebly pubercent. Sheaths over app 3/4 closed almost to top. Ligule white, rather stronger than the papery ligule of some grasses, 1.5mm, abruptly dentate (this is not the rick. location of the found, mostly on other
2.5mm wide. Inf. subtended by glabrous lanceolate bract 3mm long which has no sheath that clings culm with an abruptly extended base. Et long in both spec. Bo. x not very def.
ridge patrmony dominant from 2nd vertile
ending in a less fertile part there. Sometime
along the internode. Panicle 3/4 in x 3/4-1 in, funnel
pubercent, unequal. Sterilates, making con-
tract narrowly at head of this above. Spikeslet
18mm x. 3mm x1mm 6-10 per, pubercent. Themes
hulled with blunt projecting point, the lower
5-nerved, upper 1 nerved. Lemma 9 nerved
(or more lamina; glumes sometimes having an
extra nerved side) without edge, subulate
at top with rounded or pointed teeth. Palea very
thin, transparent, green nerved, distinctly ciliate
on the 3 widely separated keels. Feelers synodi
stigma below top ivory (in fact behind midrib)
at their base at base (lateral nerves will be
terminated appendage to palea (BM 151.112)
Neither glumes or lemma ciliated. Forms at this top
crest. C. Barcelona, 4-18-30. (See 10-28-30)

4-20-30 Dactyliosperma baldianica Koch.
Kurt 3158 = D. hispanica Roth. Beil. Bas 564, Bon
564. (See B 30 NO 551) F2. Lodholme "multifloro" 80
side 9 divide. Spicles practically useless
(See 10-15-30)

4-20-30 Lolium perenne L (non zono fenale)
Kurt 331, Beil 576, Bon 371, Bon 578. F2 Ramee Bulkak
Station Palma - Delta Rt. Glume slightly longer
than lemma (perhaps because flowering) but no
awn. Lammas almost blunt at apex. Note the
2 lateral nerves distinct, the 3 inner ones Bas
20.
4-20-30 Rœm. aculeatus L. Knit 382, Bas 443. Box
302, BN 467, BMS 167 20 young fr. 20 divide.
Advent. P. hystroda. cult. Infanta (see 3-20-30)
Cladode tip not drooping, peduncle mostly hidden
as that hystroda calyx very broad. No. 24. 1/2 x 3/4
in. tepa always sparse. Bracts which subtend the
not an inf. in P. H. - x Cladode with 2 ridges from
base to inflo.

4-20-30 Grecia marrella L. Knit 401, Bas 458, Box
311, BN 460. All Box lilac pink but ill BN not very
helpful. Fr. 20 Side divide near to 0. 7 in high
lvs with mid-rib almost black on below. Banded
at 15 mm. Purple spots, if any are very obscure.
Fl. 3 or 4 more than bracts sheathing at to 1 in
length. P. 26. purple, the lip light with purple
dots. Spatha style of flower wide spreading or
turned back. Posterior style erect. stamen less distal
over the 2 petals which are almost with wide style.
Notched from broad on column. Sepals enlarged
at tip, horizontal or pointing upward.
4-26-30 Scirpus Holoschoenus L. ex I 341
Bar 476. Bon 336. BVH 501. Fl. undulate with water
20) divide with plant thought poor in spicium.
Only 1 1/2 culm collected. This is only sp in
Reduncles 5-8, thick but flattened and inclined to twist
heads to 15 minutes. Inf. compound by 2 heads
same point V by 1 or more reduncles seeming to
issue from the head. St. round to oval. Floral
a stiff continuation I ex. Diam. mostly 1/2 ancy.
Sheaths at base indurated and green.
Stigma 3 (BVH says usually 2) Scales reddish
brown not fringed, slightly denticulate with
midrib very slightly projecting.

4-23-30 Convolvulus arvensis L. ex I 296,
Bar 316. Bon 217. BVH 317. Fl. ex "Sheep Rock'
4-25-30 Orobanche speciosa DC. Km II 405 Box 243
Fl. numerous in field where Vicia hirta had just been cut. in middle 2 flower last flowering. Spike 8 in. wide unopened but at top (Others in field taller) St thick .3 x .3 in purplish with abundant pubescence. Beasts broad, collet pubescence 3 X, almost as long as corolla (not tending each fl.) Calyx 7, 3 mm. 3 lancolate, linear lobes, 15 mm long. purplish, gland just at top, completely cut to base so that they look like lateral bracts but are inside the broad 3 bract at its edges. 
Corolla 3 long velvets wide (if fully opened) the 5 almost equal lobes rounded, compact to that whitish with purple veins, tube gland put out side. Filaments affixed near base. Corolla has an enlarged yellow base, mostly glabrous but with pubescence near base on back of more a long gland just near top. Anthers purple with orange points below. Style somewhat gland put, stigma with 2 horizontal lobes in reddish brown (not violet clair) "Bom. Spike compact fragrant. Cf. with below.

4-25-30 Orobanche ramosa L. forme Caesia (5-26-30)
Fl. Senora caudata.
4-25-30 Lactuca esculenta DC El 142 BM JCP 391 Tusciae Lactuca var Box 87 El. evidently cult. in field. must be Lettuce var. very large 3-4 ft. Raceme usually 5 fl. Tendril as short as to pass unnoticed. Calyx deeply cut but tubal at 1/3 of its length. Corolla white, tip slightly
reinforced. Lower flowers with flt. about twice as large as upper. Leaves thinly glabrous except on edge, almost beginning of "carneula." Bas. stipules entire standing forward like little ears.

4-25-30 Circium aristatum L. Bils 143, Box 87, BM JCP 394 Ph. montana fr. Cult. Kincaid. Calyx greenish on upper and (nearly) white turning cream with all purple on very short peduncles which in detail become simply depressed at a point about mid-way where usual small bracts (5) not tend its articulation. Pod velvety.

4-25-30 Trichocereus nervosa Benth. Knz 351, Bas 360. Ph. Pad from Kewa to Maripat from atop. judged to be this instead of M. biflora Benth var. Rodriguezii Lincke because this variety more than 6 to 12 cm and do not revolute and not sharp at tip. Petals 2 mm or less.
224
4-35-30 ?? Centaurea salmantica L. Kit II 397
= Microtheca salmantica Eke B 369, Box 187
Fl. on opposite part of circular rid. Kincaid son
after leaving village. In waste field near home
so consider yours. I am escaped this morning,
Cf. with C. sepala L. In Box this is only plant
see p. 261 as filament are free, anthus without
appendix, villosulata 1. pillars of calling free scales.
To 1 ft. Slender, ridges, more linearly
below, branched above with long naked branches
that bear terminal V (near the end) a few lated
fl. heads. 2. mostly at base with smaller ones on
at fibrous middle. 130 all primrose with narrow
linear widely separated sep. toothed through
on edges with almost prickles (not spiny), mid
rib above densely, poorly. involu. narrowly ovate
3/4 in. high. Bracts purplish or green with purple
top almost but not spiny pointed, the slender
outlines whitish on edge. Crests bright green
the outer radiate sterile, inner ones perfect.
Receptacle with long white scales. Receptacle,
8 mm. subglobose (at well developed stage) minutely
downy, notting 3-5 lines at a leaf joint. 6
low entire edge 7-disk. Petalous calyx, entire
4-25-30 Hordeum vulgaris L. Bar 576, Box 370. BMCP 117
Kernica. Cult

4-25-30 Brachypondium pinnatum P. Beauv.
var. camorum Kuntze 337. inc. P. pinnatum P.B.
var. angustale F. D. Bar 375 v. 1. Brachypondium
Rv 350, Box 376. Early fl. Hillcrest K. Kernica on
circular rd. 1st row 63 in high. Very slender,
branching 1st row base 1st & 2nd. 3 in Flowers from
here. Only one in volute edge.

4-30-30 Trisetum ovatum L. v. J. Kuntze 334 =
Aegilops ovata L. Bar 572, Box 370 and inc. L. rei-
arintaka. Wild Bar 572 Box 370. F. Kernica. id pep.

Lactuca aestivalis. Blumaes with 5-5 awns
which are solution edges. mid rib, roughened edges

Blumens with the puncuent. rather than "elgado-
aspers." over convex, cinnas 3 inches.

F. sp. albovalis with 1-2 sterile foot tops lint terminal
spikelet. fertile. Many punctate at tops. Bimos so
breaking at the almost horizontal?
4-25-30 Trigelia scamacea L. Nu. 475, Bas 16, Bar 16, BMCR 279. Fl. Scamacea with Thesium ovatum. Fl. Scamacea. Note claw 3 petal slightly bent upward enlarged at this point into petal tip which is covered by scale as large as petal hole. Each 3 leaf 3 petal has dark green glandular protuberance at base. As petal matures its inner lining is shed from wall making cross section lobe like two capsule inside the other. Basidia are finely cut than upper ones.
4-25-30 Primulina triflora Mill. (See 3-17-30) Field v advanced fr. Field at train stop near Mainvent on path to knox. Fl pale yellow, petal deep yellow, stamens purplish. Lvs sometimes scattered. Seeds trigonous very rough. pods show markings. I think prob. will be held. Beck & tendering fl. deflexed.

4-25-30 Eupliastera
(See ? E. plataphyllum 3-14-30) Field v well advanced fr. fr. Scour's. Blades yellow more a less truncated v. toothed sometimes with 3 more marked teeth at corners. This is prob. not E. plataphyllum but should be sought among E. with leafy-tipped fronds. Dulls (not yet ripe) smooth and lustrous.

4-25-30 Bromus sterilis var. rubens item 335
=B. rubens L. Bas 509. In due Brad but lemmas (ing.) not as angular or back as ang. Bon. Suff not old enough to see if "comers end below" Bon. Note lemma bidentate only mm or more placed tmm from extreme tip. Lvs. ± 1/2 x as long as lemma, reddish. Lhumes are unequal, very sharp in widely recurved on margins.
4-25-30 Stipa capillata L. var. juncea (see 8-17-35) These lemma. Leaves somewhat twisted not yet peniculated on or mitio, detach readily from lemma.

4-25-30 Papaver rhoeas L. Bar 20, Bun. BM PCA Bun. F. Roadside knox.

4-25-30 Crysopsis miliacea Reich. v. Schulz. var. subcostatum multiflorum P. Bar 495, Bar 357. Near knox. stipules 5-6mm oral. nun longer than lemma. Lemma blunt after slightly dentate with minus rounded. Petals near keel. At 3in high, stout, glabrous dark green brostrichide.

4-25-30 linum strictum L. Kn. 135, Bar. 74 Fl. Near knox. Seed by in shunt sharp seeds podiols ovate blunt v. thick. PB3 Linum 4-10-31 was this.

227 225
4-25-30 gladiolus illyricus Koch. knox
5-3-30 Ophrys squifausta Huds. Boz. 312, Box 464.

No root col. by fellow passengers on boat Palma-Barcelona probably lie Belber perhaps Selentia.

No root. Called by her V. desloppax but this not reported from Majorca. Vace 10 Box has “raised bracteole in bee court.” Mrs. Fletchur, called it “bee orchis” St. (ascd) 16 in. L os 2, lanceolate, lower part 1 part, pet 3 not at very base. Fls 6.

Bract green longer than ovary. Sepals spreading ovate to 15 mm long, pinkish with green veins. Petals green, hairy above, very short (3½ mm). Dulas brown at base, obtuse at apex with edges ruffled. Lip shorter than sepals cut near base into 3 lobes: the lateral lobes brown, oblong with long hair, Dulas in one corner projecting upward (like hence bee). Middle lobe red. Lilac, pruinose brown, long velutinous toward tip (i.e., where lip is downward) otherwise glabrous. Dark brown marbled with green until 2 small upward projecting teeth at very base (eyes of bee?). The middle lobe has itself 3 smaller teeth at tip (not visible from above) of these: the 2 lateral are rounded, the middle one narrow more or less curved downwards, incurved upward, all bare, nectariferous. Column stand long, labellum, stigma with long hairs above another. P 8. All ½ ½ B04. Aug, September but not exact. All Bon. better.