

Duddy Woods 5-2422

Ogallala 387-6513 ms
658 8937 home

P. Shadidian Km 338
Animal Sciences

A. grossii

awh > 1m

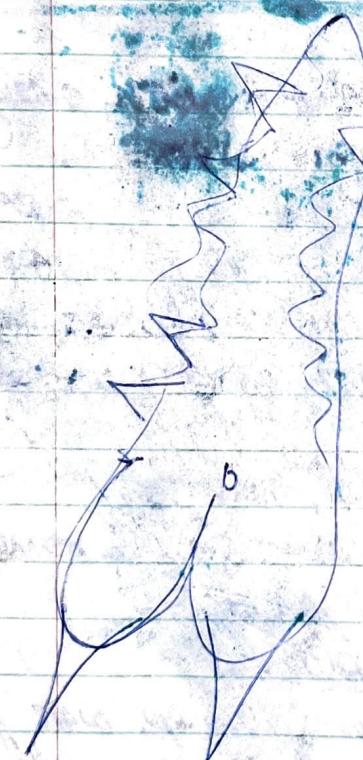
check for prolonged weather
A. esculentus

A. giganteus
awn

A. sativus
awn < 1m
small awn
full palea

A. thunbergii
short palea of long leatum
long red awl, "A. excava"
spreading capillaris

A. secalis



ancient crop

medium grain size

green awl

terminal locule

frizzled awl

tacca awl

10

FEB 28 1973

* SAXIFRAGACE RIBES SANGUINEUM (Redflower Currant),
 unlined SALICACEAE SALIX (local to Pussy willow
 from OTHER SIDE) to Macmillan #S ~~7-8~~
19, 15, 17, 18 COLLECT CATKINS & LEAVES.

March 2 * March more hollow stem is off, CRIMSON DAISY
CARYOPHYLLACEAE (pinks) STELLARIA MEDIA L.
 (COMMON CHICKWEED)

* March 3 * VIOLACEAE Viola howellii VIOLETS PURPLE (white?)
 collected stokesbill, cascara? now in flower
 back with cascara - ovary (?)

- GERANIACEAE (geranium) Erodium cicutarium
 (STORKSBILL)

March 4 collected some of suspect cascara with ovary but
 still couldn't fit - too many STAMENS. Spotted
 near herb about 10 ft or 200 yds above house on
 road. Pussy willow reconsidered to # 13, 14 & 16 since
 pistillate catkin ≤ 1.5 cm GATHER LEAVES TO DECIDE. - OR 28-33
 since CAPSULE near glabrous. need leaves & mature fruit
 CAPSULE. 29, 30, 31 from range.

March 5 * collected more cascara? mustard, violets
MUSTARD: need a developing seed pod & some good
 TERRACE CRUCIFERAE BRASSICA juncea
 viola & carry look out to plain.

GOOSEBERRY: Rhamnaceae RHAMNUS sp. wait for fruit.

collected gooseberry, PUMPS IN BLOOM March 6

SAXIFRAGACE RIBES DIVARICATUM (common gooseberry)
 ROSACEAE PRUNUS DOMESTICA (CULTIVATED PLUM) 5

March 11 To Taylor Point collected new shrub, 2 ferns, &
 buckthorn, SACKENBERRY.

FERNACEAE POLYSTICHUM MUNITUM (SWORD FERN)
 couldn't find sporangia for second fern, LACY
 3-PINNAE 1.5 dm frond membranous might be OAK FERN.

Shrub from Taylor Pt. appears to have perfect

~~2500 ft. 6000 ft.~~
Deer douglasii? *Polygonatum*

Flowers blue or white, bell-shaped, often
7-8 mm. long. Stems 1-2 m. tall. Petals five with
7-8 stamens. Flowers yellowish or red, new
twigs red brown, medium, 1.5 m.

- ROSACEAE *Rubus spectabilis* (blackberry)

First visited woods below a CRUCIFERATED
seed pod for identification. ~~Difficult~~ ^{leaf} of
diminutive nature of flowers. ~~Stems~~ ^{leaves} in
woods

March 12

Two bushes at the foot of the golf course
right has opposite spikes of 2-2.5 mm. long, black pods divided
into 4's; left a corymb of 3-5 dichotomous pods of translucent
scales 1: seed/pod fruit with pointed spine by chick
~~Opposite~~ ^{Opposite} (hair pencil red cedar)
sterile cones open, fertile also

March 13

Collected sterile and fertile catkins of pussy willow
first leaves blossoms

March 15

SALICACEAE *Salix scouleriana* (scouler's pussy willow)
Leaves almost round, rounded at a bend
at midrib. Common in abundance (European hazel)
BETULACEAE *Ulmus nitra* (red alder)

March 16

Brassicaceae *Brassica juncea* (yellow mustard), 2-3
collected blue-eyed Mary from cliffs & juniper
Cupressaceae ^{Pinaceae} *Juniperus scopulorum* (juniper)
Scrophulariaceae *Gilia* sp. (blue-eyed Mary)
parviflora (blue-eyed Mary)

Check fruit on stem in sterile & fertile cells.
Douglas fir sterile & fertile catkins out

Pinaceae *Pseudotsuga menziesii* (Douglas fir)
Red currants with red corolla above / Mounds
also a number of cascara bushes and Gambelias trees
Collected up trail to Breezy Ba. Sulfur
monkey flower, miners lettuce, unknown white -
③

March 19

used to do

found few herb 2 radical short leaves
sessile with cluster of white
not in flower yet.

← be *Gymnogramme triangularis*
← collect again to find sori. black shiny stem
line in spine that smooth green above, dusty below
should have oblong sori or linear — probably

definite *Gymnogramme triangularis* 15

← hair tucks form (old back form)

← *Mondia parviflora* var *depressa*
clif miners locust

Portulacaceae *Mimulus alsinoides* (clif monkey flower)

* may be *Celastraceae* *Pachystima myrsinoides* 16
← crack as fruit starts to form

③ species of the diff. herb so collect again
← *Celastraceae* *Burmannia* to *Compositae* *Taraxacum*
← need see mature for species /: taller than Sam, pale
outer bracts ~~effused~~ at base, outer bracts ~~dark~~
green shorter, outer bracts \leq inner bracts #5, 7 or 8 or

March 23 Collected a different miners (ETTOCE from the
hillside with taller lanceolate leaves - no broadening
Portulacaceae *Mondia parviflora* (miners)

④ Saw larger different monkey flower but
didn't collect.

Decided *Pachystima myrsinoides* correct :-

Celastraceae *Pachystima myrsinoides* (false box) 17

Collected unk. w. flower herb from above again

Hydrophyllaceae *Nemophila parviflora* (glove lover) 18

"new herb" from above collected in flower

Saxifragaceae *Saxifraga integrifolia* (entire leaf saxi) 19

Collected herb with tall racemes of tiny white
flower, well separated forming flat coriaceous round pods

basal leaves entire to dentate. thick spars on cliff above long field.

Cruciferae *Athyrianthus pusillus* (Athyrianthus)

small whorled basal leaves. few stems with a spike of white flowers. cliffs below, above boggy ridge

Boraginaceae - new nature

determination.

deep palmate leaf; pink flowers in corymb, corolla on roots

- Saxifragaceae *Fettilia*

out to see violets

Violaceae *Viola Hirsutissima* (purple violet)

Violaceae *Viola Canadensis* var. *lutea* (white violet)

white-violet doesn't fit exactly into any of the described species. *Viola canadensis*

(larger flowers than *lutea*)

- Scrophulariaceae (Bartsia incana) (large leaf.)

- Cruciferae (Cardamine hirsuta) (small white)

- Berberidaceae (Berberis vulgaris) (all across grape)

29/8

March 26

Collected small grasses with purple flowers

- Juncaceae *Luzula* (Luzula pilosa) (common wood rush)

- Leguminosae *Cytisus scoparius* (broom)

flowers in hay grass valley near Boggy Ridge - 1900 ft.
ensifolius

Paint brush in bloom.

Polygonaceae *Plectritis*

- Valerianaceae *Aegopodium podagraria* (seabush) 29

- Polypodiaceae *Polypodium vulgare* (bracken) 30

glycyrrhiza (Polypody fern) coverd with moss

- Liliaceae *Erythronium grandiflorum* (white flower)

transplanted to yard plant: pinnately divided bases & stem

leaves: white flowers sigma projecting growing to pod

- Cruciferae *Cardamine oligosperma* (Bitter cress)

Dandelion reconsidered to # 1, 3 and 8, 1 & 3 most likely

dandelion like-mustard-leaves cliffs across bay

- Compositae *Sonchus asper* (Spiny sow thistle)

dark herb with sticky whorled leaves, small white flowers in

- Rubiaceae *Gaultheria aparine* (leavers) (madder family) 34

var. *echinospermum*

wispida

- * I have seen it
have the same
coloration
as above
but with
yellow green tinge

38/9
March

- l. lago lancolata fib grass, field
macrophyllum (broad leaf maple)
malus (apple) 38

92/9
March 30

- collected willow twigs & catkins & found variety
1. greenish yellow twigs 2cm. male catkins
2. top pig field dark red thicker twigs 2.5cm f. catkins
3. across longfield yellow green very thick twigs
leaves shiny oval - with long few hairs, catkins starting
4. yellowish green yellow green twigs
green f. catkins already formed to
oval to spatulate densely pubescent

at the foot of golf course might be *S. coriacea*
one of the others match up to anything. Suppose
we have mixtures. Only clumps seem to be same
species. May have to do with leaf collection

March 31

- From top of Breezy Bay trail.

'Ar 1

- Caryophyllaceae at top of page flowering by loose
Caryophyllaceae Arenaria macrophylla (large-leaved sand
collected 2 new herbs and again from near cactus)
 - 1.5dm herb tufted like gypsophilica in flower → arvense
 - Caryophyllaceae Cerastium effusum (field mouse ear chickweed)
low succulent with cymes of satiny red-purple flowers 1cm dia
all with 6 stamens, Spots superior 2-3x6 ovary w/ 1 cell
doesn't lead to anything in key - no collect

all

deciduous

Cruciferae

another favor in pines

- Portulacaceae No- ~~Pinaceae~~ Pinus Con

another mouse ear chive

- Caryophyllaceae Con

Collected the saponaria

it vertebra but

keyed wrong →

- Orobanchaceae On

new pear tree

Rosaceae Pyrus con

looked again at April

doesn't lead to any other

separate pedals, superior

cleft anchor ovary, succulent

with ciliate edges exsert late after

apparently 2 sepals - at least if 4 2 fused

edge & suture ciliate, stout taproot, tuft of

undivided leafy stems. terminal raceme but

each flower in axile of leaf. stems square - all lateral

borage - deciduous

Boraginaceae Moschata (white forget-me-not)- Leguminosae Ulex europaeus (gorse)Cruciferae Draba (verna)Scrophulariaceae Collinsia grandiflora

(large flower blue eyed mary)

Aceraceae Acer glabrum (var. Douglasii) (Douglas maple)- Pinaceae Tsuga heterophylla (western hemlock)59/7 (Sept 5) Rosaceae Pyrus ~~diversipetala~~ (crab apple) samuelOrchidaceae Calypso bulbosa (calypso orchid)

First.

April 1

varia *varia* *var. 2* *varvensis* (comm.)*varia* *ovatata* (wild)

Flower: stems red lower ②

var. *caussia* (*eichlinii*) (caucasus)Orbitaceae *Erophylloides lanatum* (woolly sunflower)Polygonaceae *Rumex acetosella* (sheep sorrel)Boraginaceae *Myosotis sylvatica* (var.-colored) (forget-me-not)New *Rueifera* below cliff's. basal leaves like dandelion and stem like lettuce, white flower- Ranunculaceae *Delphinium Menziesii* (larkspur) 63

Also found apparently a Veronica.. check again.

Rosaceae *Prunus emarginata* (Wild Cherry) 64

red flowers above may be Calandrinia

Portulacaceae - exceptions : all 5
scaled, seeds many, leaves mostly oblanceolatePortulacaceae *Montia parvifolia* (breezy bay trail) 65Geraniaceae *Geranium dissectum* (mule cranebill) (outleaf geranium)Saxifragaceae *Ribes lacustre* (lacustrine swamp buckwheat)Saxifragaceae *Ribes menziesii* (forest buckwheat)check berries to be sure → *uncinatus* var. *parviflorum*- Ranunculaceae *Ranunculus Bengalensis* var. *greenii* 68- Lemnaceae *Lemna minor* (duckweed) 69- Scrophulariaceae *Veronica arvensis* (corn speedwell) 70Cruciferaceae *Arabis thaitiana* (mouse-ear-cress) 71Cruciferaceae *Sisymbrium thlaspioides* (thlaspioid) 72Urticaceae *Urtica dioica* (western nettle) 73Rosaceae *Rubus ursinus* (trailing blackberry) 74Compositae *Oxodium multifidum* (buttercup daisy) 75Leguminosae *Trifolium oliganthum* (few-flowered clover) 76Portulacaceae *Montia dichotoma* (linear-leaved montia) 77Coniferae *Abies grandis* (grand fir) Pinaceae 78Scrophulariaceae *Veronica serpyllifolia* (thyme-leaved speedwell) 79Orchidaceae *Lisystena corallina* (two-blade) 80Portulacaceae *Calandrinia pectinata* (calandrinia) 81from check in Museum herbarium
→ *ciliata* var. *menziesii*

4/9

April 17

3/8

⑧

- April 20 - *Boraginaceae* *Borago* *nevadensis* (var. *integifolia*)
- April 21 - *Rubiaceae* *Rubus* *nevadensis* (var. *menziesii*)
- April 24 - *Caprifoliaceae* *Rubus* *nevadensis* (var. *menziesii*)
- April 25 - *Primulaceae* *Primula* *acrae* Tries (var. *acrae*)
- April 26 - *Berberidaceae* *Ochysandra* *triphylla*
- April 27 - *Compositae* *Taraxacum* *officinale* (var. *officinale*)
- April 28 - *Leguminosae* *Hosackia* *dentata* (var. *dentata*)
- April 29 - *Leguminosae* *Trifolium* *tridentatum* (var. *tridentatum*)
- April 30 - *Composite* *Senecio* *vulgaris* (common groundsel)
- May 1 - *Leguminosae* *Trifolium* *microcephalum* (var. *microcephalum*)
- May 2 - *Cruciferae* *Lepidium* *Menziesii* (var. *Menziesii*)
- May 3 - *Cruciferae* *Arabis* *glabra* (glabrous rockcress)
- May 4 - On near cliffs. Also seen two umbelliferous plants
 & a very large geranium dissectum with
 light pink flowers, a very
Mimulus *nastus* 35cm tall bora
Mimulus *Langsdorffii*
- May 5 - *Leguminosae* *Vicia* *sativa* *angustifolia* (var. *angustifolia*)
 similar except for pod color
- May 6 - *Liliaceae* *Fritillaria* *lanceolata* (checkmark illegible)
- May 7 - *Violaceae* *Viola* *langsdorffii* (bigfield violet)
 found something like a small morning glory
 below big field but couldn't identify.
- May 8 - buttercups out. Also small pink
 mix between a veronica and a galium in pig field
- May 9 - *Rosaceae* *Sorbus* *accuminata* (Mt. Ash)
- May 10 - *Leguminosae* *Medicago lupulina* (checkmark illegible)
 check pods when ripe for g.i.ssp.
- May 11 - *Leguminosae* *Lupinus* *bicolor* *migrans* (bicolor lupin) (var. *bicolor*) (checkmark illegible)
- May 12 - Collecting along cliffs to Greely Gap -
 lots of single flower cancerroot still in
 flower - whole hillside seems to be
 a few weeks slower than the cliffs
 30 days in the case of cancerroot.

- ~~109/5~~
- ~~Cornaceae~~ ~~Prunus pensylvanica~~ (white cherry) ~~up~~ ~~fringe less~~ ~~pink~~ ~~white up~~ ~~wife~~
 - ~~Cornaceae~~ ~~Prunus pensylvanica~~ (white cherry) ~~up~~ ~~fringe less~~ ~~pink~~ ~~white up~~ ~~wife~~
 - ~~Ericaceae~~ ~~Lithomyrtus Nutallii~~ (Lithomyrtus Nutallii) ~~shallon~~
 - ~~Leguminosae~~ ~~Trifolium repens~~ (white clover)
 - collect compositae in Liguliflora
but couldnt identify. Top of cliffs
Seems likely the sweet cicely is right
- 109/6
- ~~Umbelliferae~~ ~~Osmoriza chilensis~~ (sweet cicely) ~~Osmoriza~~ ~~chilensis~~ ~~chilensis~~ ~~104~~
 - Crucifer growing by the Raspberries
 - ~~Cruciferae~~ ~~Sisymbrium officinale~~ var. ~~leiocarpum~~ (hedge mustard) ~~leiocarpum~~ ~~105~~
- May 7
- ~~Saxifragaceae~~ ~~Tellima grandiflora~~ (lace fringe) ¹⁰⁶
 - ~~Carophyllaceae~~ ~~Stellaria crispa~~ (candytuft) ¹⁰⁷
local variety with acute sepals ~~H. recurvirostra~~ ¹⁰⁷
 - a different specific name ^{use monograph}
- May 8
- ~~Rosaceae~~ ~~Rubus Parvifloris~~ (thimbleberry) ¹⁰⁸
 - ~~Equisetaceae~~ ~~Equisetum Telmateia~~ (giant horsetail)
 - Collected Wood grove buttercup but
couldn't decide on species. ~~japonicus~~ var. ~~glauber~~
- May 9
- ~~Leguminosae~~ ~~Lathyrus~~ ~~maritimus~~ (beach pea) ¹⁰⁹
 - ~~Scrophulariaceae~~ ~~Orthocarpus pusillus~~ (grass pt. brush)
looks like missed Yew flowering ¹¹⁰
- 10/7
- ~~Taxaceae~~ ~~Taxus brevifolia~~ (western yew) ¹¹²
 - ~~Crassulaceae~~ ~~Sedum spathulifolium~~ (sedum) ¹¹³
Crimson tipped' daisy finally decided
- 10/8
- ~~Compositae~~ ~~Bellis perennis~~ (english daisy) ¹¹⁴
casts doubt on the determination
of wooly sunflower since the authors
of both are of the same form.
- (10)

May 10 Collected along trail near old camp 19

Mimulus
*Alsineoides**

Spotted Yarrow *Achillea millefolium* L. - flowering
Sporadic flowers in the sun in the
sunlight. A spot across open along the sea cliffs. Collected the
plant with red leaves with too
many lobes. Flowers, stems, pinnate
leaves with too many lobes.
1) monoeccious &
upper with 2 (maybe)
stigmas and lower
on long trailing filaments. flower
appears to be 4 sepals obovate
to ovary & 2+ bracts at the base
of the pedicel ~ to length of
sepals. leaves mostly basal to 10cm
cavine smaller to 15cm tall except inflo.

Compositae Achillea millefolium (yarrow) 115

May 12 • Collecting along cliffs.

- Onagraceae *Epilobium minutum* (little with ¹¹⁶ herb)

- Leguminosae *Trifolium microdon* (capdove)

• J. chungbof sp. decided for fosackia J.
L. micrantha

~~Leguminosae~~ ~~Faboideae~~ ~~micrantha~~ ~~parviflora~~ (bit footed)

Portulacaceae Montia linearis (linear. monia)
Panurculaceae Sanicula formosa (Saniculine)

Collecte 1 dm. tall annual herb, single stem
dividing above into several branched cymes
of 3-5 flowers, leaves lanceolate-linear,
sessile, opposite. glabrous below becoming
pubescent on highest leaves, bracts
peduncles and calyx. Calyx 7 mm, sepals

125/8

11

- Polemoniaceae *Microsteris gracilis* var.
var. *flexuosa* *microsteris gracilis*

May 13

- ~~blue comes up~~
- ~~blue~~
- ~~comes~~
- ~~rocks~~
- ~~exc~~
- ~~of~~
- ~~per~~
- Corydalis capillaris (haggle's beard) 122
- Orychophragmus ² ~~clavatus~~ ^{var. calycinus} (farewell-to-spring) 123
- Carex phyllostachys ³ ~~Silene gallica~~ (annual Scandens pink) 124

Collected some Huchars but not
sure of sp. doesn't fit parts of both possible

- Labiatae *Marrubium vulgare* (horehound) 125
- decided on May 10 pinnate leaf collection
- Rosaceae *Sanguisorba minor* (burnet) 126
- decide also on cascara
- Rhamnaceae ~~Rhamnus~~ *Rhamnus Purshiana* (cascara) 127 p. 31
- except lacking teeth on leaves.

13/8
May 14

13/5

May 15

- Orchidaceae *Corallorrhiza maculata* (coral root or.) 128
- flowered about May 3 but forgot to record
- ~~Breezy Bay and Post Office~~
- Equisetaceae *Equisetum fulviclavile* (swamp horsetail) 129
- Leguminosae *Vicia hirsuta* (hairy (red) vetch) 130
- Collected maturing seed head of bog buttercup 131
- Ranunculaceae *Ranunculus* ^{repens} ~~repens~~ ^{repens} (creeping) 132
- Henry calls rare & Eastham adds nothing (?)
- Wood grove Ranunculus fits more or less
- Ranunculaceae *Ranunculus orthorhynchus*

all day yesterday

144/5

May 20

- from H.C. & T. Montia parviflora & var. depressa
included in M. perfoliata which is the large
miners lettuce - not yet recorded

- Portulacaceae Montia perfoliata miners lettuce ¹³⁹
Bring in a fresh sample of Scrophularia longipes for me
also a good healthy Delphinium, D. menziesii for some
Ranunculus orthorhynchus seems to be a Rosaceae

- Rosaceae Grewia macrophyllum ¹⁴⁰
(Collected) one glabrous op. leaved herb from grove
but couldn't identify.

143/6

May 21

- reclected the ligulate composite of May 6
but soil couldn't get. Also collected a
new composite to be called sticky sunflower
but O'Doris get species Madia?