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About the Institute

The Hunt Institute for Botanical Documentation, a research division of Carnegie Mellon University, specializes in the history of botany and all aspects of plant science and serves the international scientific community through research and documentation. To this end, the Institute acquires and maintains authoritative collections of books, plant images, manuscripts, portraits and data files, and provides publications and other modes of information service. The Institute meets the reference needs of botanists, biologists, historians, conservationists, librarians, bibliographers and the public at large, especially those concerned with any aspect of the North American flora.

Hunt Institute was dedicated in 1961 as the Rachel McMasters Miller Hunt Botanical Library, an international center for bibliographical research and service in the interests of botany and horticulture, as well as a center for the study of all aspects of the history of the plant sciences. By 1971 the Library's activities had so diversified that the name was changed to Hunt Institute for Botanical Documentation. Growth in collections and research projects led to the establishment of four programmatic departments: Archives, Art, Bibliography and the Library.

Tecate Inn. Hwy 8 -

7 - granite soil San Diego

(7.) Small 1" annual w/
yell. fls. cream top, yell
throats

8. Euphorbia - perennial

9. Prunus. cherry

10 - Ephedra -

11. Samac.

12. Prunus - decent peach

13 - Lotus - ? hairy lvs.

prostrate perennial on rocks.

14 - *Oenothera*? annual - 1-2"

yell. hairy

15 - Euphorbia

16 "Beggars lice" shrub

10 - Walnut

17

18/2 - Very composite yell
fls. like Paposa

19 13 - Mt. Rd. Aprs 3-26

Bun sazi

20 14 Bauleya multica.

21 15 - Mt. Rue.

22 16 - Trevis

23 17 - Comp. like above

April 15- '67

Roadside slopes of
freeway - 5 mi E. El
Cajon

24 Clover

25 ^{golden top} Grass - Lamarchia
aurea (L.) Moench

26 Vetch.

5 mi E. alpine

Chamise type

27 Shrub w/ purple
fls.

Anza-Borego 4-15
28 Ocotillo 67

29. Desert Rue.

Borego Springs 4-15

30 Creosote bush

31 Eriogonum, annual

32 Desert Senna

~~33~~

Borego Sprs - 5 mi
south. Dry wash

33- *Franzeria* ?

34. fls of Agave

35 - Coyote mallow,

36 - Cheese weed.

37 - Galazarin

38 - Forks of Hwy 78
+ A-B. road south

39 - Shrub - composite
w/ yell. "sun fls."
Creosote Bush type

40. Tiny annual

Otay Res. Area

61 Yell. fld "vetch"
with large globose
pods.

62 Stipes (annual)

63 tiny annual w/
lavender + white fls -
creq. corolla.

64. Silene "annuals")
Otay Res.

65 Large bunch Grass
roadside SE El Cajon
about 5 mi

Imperata brevifolia
Vasey. (p. 1549)

4/25/67

66. Pamo Valley -
annual grass type

Stepa ~~cinerea~~ ^{pulchra}

S. pulchra Hitchc.

67 Stepa - annual.

68. filaree - finely
dissected lvs.

69 filaree - biennial

70 Mimulus?
shrub - orange fls.

E. of Pano Valley in
Tennuculo Cr.

71 - Grass close to Poe
perennial bunch - in
Granite Rocks.

72 Tree Tobacco.

Santee Sut 4/29/67

73 Mustard -

74 yell. sweet clover

Japatul Valley
Sun. 4/30/67

75-

Oenothera - annual

76 - Orthocarpus

Orthocarpus densiflorus

Benth.

77 - Amsonia

Japatul Station - 4-30

78 - Composite shrub

yellow rays - ♀ ca 8-

79. Coriaria

80 - Yell. fld. annual
resembling *Leptodactylon*
for lvs. Long 3-typpd
stigma *Linanthus*

androsaceus (Benth) Greene
ssp. *micranthus* (Benth.) Mason

81 Lupine - branched
- few flowered -
- red-blue fls. Annual

82 *Dicentra* lvs. ?

Annual - anthers separate
4 long - 2 short, fls
purple.

83 Phacelia
annual -

84 - Lupine - spiny

85 - Large stipa
bunch grass

Stipa coronata Thurb.
in wats.

86 - yerba Santa.

87 Composite shrub
crenulate lvs.
Rayed fls.

~~Haplopappus pinifolius~~
Gray.

60 - Recollection
Eriophyllum
confertifolium (DC.) Gray

88 - City of San Diego -
near Naval Radio Station.

88

5-5-67

Carrison - N. of Kitchen Cr.
Carrison ground.

88 - *Linanthus* -
shrub w/ white fls

89 - *Castilleja*
w/ yel. spurs - red
sepals.

City of San Diego - 5/6/67
near Navy Radio Sta.

90 Johnson Grass

91 Shrub - Helianthus

92. Shrub - Hesperis

93 Common halfshrub annual
Crysanthemum

94 - Same

95 Poppy - yellow?

6/23/68

Palomar Mtn #1

- 1 - Lupine
- 2 - Braker fern
- 3 - Black Oak leav.
- 4 - Lupine, fern, yel. comp.
- 5 Lupine
- 6 Scarlet tanager. ↓ ↑
- 7 - Milkweed
- 8 - azalea. *R. occidentale*
- 9 - " " "
- 10 - white thorn - *C. leucodermis*
- 11 - Cal. wild Rose.
- 12 - *Ceanothus Palauquieri*
- 13 - Elderberry
- 14 "
- 15 D. G w/porphyry like
& Lucolites

16 - Elderberry -

Near US Mt. Uni.

17 - Sugarbush

18 - Er. fosc.

19 - " "

20 - Yerba Santa.

June 30 Willow Road. #2

1 - Datura

2 - "

3 - " ~~flower + seed~~

4 - " flower - seed

5 Live oak

6 - Colof poppy -

7 } Buckwheat


8 } Coyote melon

9-14 } Bayberry leaves

Yucca -

- 15 - Morning glory
- 16 - Dodder on Buckwheat
- 17 - Begonias many
- 18 - " "
- 19 - Scrophularia
- 20 - Yucca seed pods

#3 Roll - ⁶⁻³⁰⁻⁶⁸ Descurainia RS

- 1 - Penstemon
- 2 - "
- 3 - Eriophyllum
- 4 - Mustard
- 5 - narrow leaf - Menyanthes
- 6 - " " "
- 7 White Sage - 
- 8-18 - Top of willow Red Green
Buckwheat, deer vetch,
Suaeda, Chenopium, white sage

8 May

19 - ~~Sagebrush~~ Cypress

~~Muscadine~~

20 - ~~Sagebrush~~ Manzanita

A. pungens.

Roll 4 (Pine Valley)

Sagebrush

White-thorn

~~Sagebrush~~ ^{Muscadine} Manzanita

Sagebrush w/ broken granite

Leonurus gagei

Jeffrey Pine

Pantbrush

Artemisia grass-tyll

Pine type

Jeffrey pine cones.

Morena Valley.

Savanna.

Meadow

Yucca Manso

Heliotropis

white Sage

Dodder

Jerry's roll - 5 frames

Cactus at Lake

Jennix

next # 10 July 76

1842

Loveland Pass Col

11992 9 July 76
arctic-alp in grassland.

1842 Poa

1843 grass

1844 grass

1845 grass

¹⁰ 9 July 76

Powell Pass Colo.

11000 ft. alpine meadow
edges

1846, 1847, 1848

Assoc. of grass, coarse,
junus, forbs, alpine
willow, spec. Krumholtz

10 July 76 9000 ft.

Keystone (Dillon Colo.) on
Snake Rv. LP pine forest

4849 - fescue

1850 Poa [Koeleria gracilis]

1851 fescue

11 July 76

Keystone (Dillon) Colo
9000 ft - LP pine forest.

1852 Stipa - (to 75 cm tall)

1853 - Poa - 3+5 cm tall.

1854 - Poa - perennial, small
clumps (rhizomatous? no?)
w/ sagebrush, fescue.

1855 Stipa - individual
plants - under LP pine
sagebrush, bitterbrush,
etc.

1856 - Deschampsia ?

1857 - fescue - large
bunch grass

11 July, Keystone Gulch
L.P. pine forest ca 9800 ft

1858 fasciculate
Trisetum
spectabile

13 July 76
Loveland Pass
~~10,100 ft Englemann Spruce~~
1859 -

MONTEZUMA

10,100 Engl. Spr. opening
1860

1861 - Agropyron

1862 - Agrostis?

Meadow edge

10,300.

1863 - Bromus

perennial? Botanical Documentation

13 July 76 - North
Hillside above Snake River
Keystone, Summit Co. Colo
S.P. pine, Sagebrush, bitterbrush
grass, weeds, A. wa-wai,

1864 Hordeum - perennial

1865 - Bromus - prostrate

drooping

1866 - Elymus -

1867 - Perenn. bunch grass.

1868 - Elymus

1869 - Fescue - tall 3' high.

One seen.

15 July Top of Keystone

Mtn

1870 Poa rhizomes.

14 July 76
Breckenridge Colo

Summit Co, 9200'

1870 Bromus ^{disturbed}
_{area}

1871 Bromus annual

1872 Bromus perennial

1873 forae

1874 Bromus perennial

1875 ~~Poa~~ Festuca ovina

valley grassland w/
sagebrush, grass, forbs
LP pine vicinity.

15 July 76 - 11642 ft

Top of Keystone Mtn

1876 Poa - rhizomes

Keystone Colo 15 July 76
1877 - grass B. Japonicum?
1878 - Bromus
1879 Aspects
moist Seaside

(one Bromus used in
slope stabilization from
dry site.

17 July 76

Telluride Colo.

1880 - streambottom -

~~1881~~ - Fescue

1881 - ~~at~~ of Telluride in
Aspen - steep -

1882 - Cheyenne

Mesa Verde 8000 ft

1883 - Artemisia frigida

Colorado 18 July 76

Del Norte Forest

1884

Hypochaeris
undulata -
Pauvi Beach.

(Inyoham at Gornet -
alley)

1 July 76.

1885 - *Pennisetum*

4 Oct Balboa Park.

7 Oct 76

Taney Ave Rd.

1886 - *Carys* *Baccharis*

1887 - *Baccharis*

1888 - *C. Saybush*.

1976
"Edohe" collection

$$\begin{array}{r} 1841 \\ 1815 \\ \hline 26 + 1 \end{array} = \text{Sheets} = 27$$

Colorado

$$1842 - 1883 -$$

$$\frac{42}{}$$

$$41 + 1 = \frac{42}{}$$

Collections: 69.

Old Town State Park

S. Duro

30 Oct 76

1889

Elyusine indica
(L.) Gaertn.

"goose grass"

new to S.D. Co.
in MNH collection

Occurs in crack
between curb & pavement
SW corner Old Town
SP

31 OCT 76

+ 5 mi airline
Taylor Cr., ¹ SE
of Alpine, San Diego
Co Calif.

116° 43' W
32° 47½' N.

Evogonum davidsonii
Greene

Voucher specimen
for Jim - (Seed)

1898 -

Mailed to Jim

8 Nov 76.

1891

Pinus thombergii
27 Nov 1926

Los Angeles (~~the~~ Grand
Hills.) Orm. planting ex.
Pensmore

1892 23 Dec 26

Citrus (S. Muller)



THE UNIVERSITY OF WYOMING

PLANT SCIENCE DIVISION

COLLEGE OF AGRICULTURE
AND EXPERIMENT STATION

AGRICULTURAL BUILDING

LARAMIE, WYOMING

October 25, 1963

MAILING ADDRESS:
UNIVERSITY STATION
P. O. BOX 3354

RANGE MANAGEMENT
SECTION

Mr. Jack L. Reveal
Lee Vining Ranger Station
Lee Vining, California

Dear Mr. Reveal:

Thanks for your letter. I enclose a sheet with some information from the labels and a picture. Maybe you can find this locality which I am sure is along a paved highway. Probably you are right that it is Mono Co.

We are attempting to grow sagebrush here from as many localities as possible. If you have a chance to collect small amounts of seed at any of the localities you visit, I would appreciate seed -- especially of A. rothrockii, but equally of anything else either near Lee Vining or from the equally interesting San Bernardino Mountains.

Sincerely yours,

Alan A. Beetle

Alan A. Beetle
Head, Range Management
Section

AAB/bh

Enclosure

March 1975

This locality has been extensively
modified by freeway construction.

Notes from herbarium on A. arbuscula

- California, Modoc Co., 15 miles south of Alturas, where associated with A. cana and A. tridentata, August 16, 1957. A. A. Beetle 12,765.
- Nevada, Churchill Co., Carroll Summit, west of Austin, elev. 7452 (A. nova below pass only), July 17, 1958. A. A. Beetle 13,392
- Nevada, Eureka Co., 12 miles west of Carlin. A. A. Beetle 13,387.
- Nevada, Humboldt Co., lower slopes, ca. 3 miles west of Paradise Valley, July 18, 1958. A. A. Beetle 14,146.
- Nevada, Lander Co., Austin summit, elev. 7484 ft. Beetle 13,396.
- Nevada, Washoe Co., west base of Mt. Rose, Galena Road, elev. ca. 6,000 ft., Aug. 14, 1957. Beetle 14,757
- Nevada, Washoe Co., Geiger Divide, elev. 6799, near Reno. Beetle 12,864.
- California, Lassen Co., 25 miles north of Litchfield, volcanic rock area.
- * California, Mono Co., east base of Sonora Pass, ca. 6,000 ft. Associated with A. cana and some plants possibly intermediates. Beetle 12,576 and 12,577.
- * California, Mono Co., east side of Sonora Pass at 9,000 ft. elev. August 13, 1957. Beetle 12,853.
- * California, Mono Co., ^{Tuolumne} west side of Sonora Pass at 9,000 ft. elev. Beetle 12,798.
- California, Mono Co., south side of Glass Mt., August 10, 1957. Beetle 12,897.
- California, Sierra Co., 5 miles north of Truckee, August 15, 1957. Beetle 12,803.
- * Nevada, Douglas Co., near Double Spring, August 13, 1957. Beetle 12,889.
(no further information on label)

* Could never find any at these places
that I could be sure was A. arbuscula
nor at place shown in photo.



Artemisia tridentata zoned with
A. arbuscula

*I could not
pick out
A. arbuscula
here.*

Mono
California, Inyo County 1/2 mi N.
near ~~Crestview~~ Mammoth Junct.
opposite Little
Antelope Rd.

Aug., 1957

444395

Nov 1963

Coll: A. A. Beetle no.