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NEVADA INDIAN DRUG PLANT PROJECT

Reports of Interviewers

Volume 1

Mrs. E. V. A. Murphey, 1937

* * * * *

Bureau Plant Industry, USDA

in cooperation with

Works Progress Administration of Nevada and the University of Nevada

1937 - 1940

(Data summarized in Train, Percy; Henrichs, J. R. and Archer, W. A.
Medicinal uses of plants by Indian tribes of Nevada. Contrib. Flora
Nevada No. 33, 199 p., Dec. 1, 1941. Revised ed. No. 45, Nov. 26, 1957.)

VOLUME 1

MEDICINAL USES OF PLANTS BY NEVADA INDIANS

Reports of the interviewer, Mrs. E. V. A. Murphey.

1937

Tribe abbreviation: P - Paiute; S - Shoshone; W - Washoe

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Report no. 1

E. V. A. Murphey

Copy of Plant tags

1937

Data from

Herb. specimens no. 1-291, 314-705.

Checked with Washington identifications available on
Murphey numbers. Checked for medicinal uses

DATA RELATING TO INDIAN MEDICINAL PLANTS IN NEVADA

Field collection notes made by

Mrs. Edith V. A. Murphey

- 1937 -

(There are specimens representing these numbers - u.a.g.)

Abbreviations after the Indian names indicate the following tribes:

(K)-Klamath; (P)-Paiute; (S)-Shoshone; (W)-Washoe.

All collections in Nevada unless otherwise specified.

M1 - M 11. 6 miles from Carson on road to Fallon, Ormsby County; 6/18/37.
Soil loose rock, sandy loam, some clay.

- M 1 *Sphaeralcea ambigua*
"Desert mallow", "wild geranium"; "mu-ha" (P); "goina kumbe" (S).
Assoc. sagebrush, ephedra and Indian paint brush.
A medium sized sp., the only one in bloom; flw. apricot color.
Roots bruised and used as poultice by Paiutes. Seed used
formerly for food.
See M 12.
- M 2 *Salvia carnososa*
"Flowering sage"; "sa-wa-bae" (P) & (S).
Assoc. same as M 1.
Flws. purple.
Medicinal tea; forage plant.
- M 3 *Castilleja angustifolia*
"Indian paint brush"; "ne-ma-maw-tawber"-(Snake's son-in-law).(S).
Brilliant scarlet bracts; going to seed; plants plentiful.
Rattlers sometimes found at roots.
- M 4 *Eriogonum ovalifolium*
"Wild buckwheat", "sulphur flower", "butter balls"; "na-ka-donup"
(tribe not given). (Information from Carson Indian Agency).
Plants plentiful; flw. yellow.
Tea from roots used by Indians to cure cold.
- M 5 *Asclepias cordifolius?* *cryptoceras*
"Milkweed"; "wa-na" (P); "wisha" (S).
Plants rather scarce, just coming into bloom, low in stature
(plants young), have large tap root, wide green lvs.
Sheep poisoning plant. Root (or juice?) used for ringworm.
(From Lovelock flower exhibit).
- M 6 *Phlox stansburyi?*
"Phlox", "sweet william"; "deep-taw-ne-gah" (tribe not given).
Flower varying from white to pink.

- (2)
- M 7 Ephedra nevadensis?
"Indian tea", "Mormon tea"; "chu-dupe", "tsurpe"(P); "tu-rumbe"
(S).
Browse plant. Branches boiled for sick inside. Shoshones
make coffee from ripe seeds, parched and coarsely ground.
Tea from stems is a blood purifier.
- M 8 Nama
- M 9 Chylismia
"Day primrose"; "ya-ung-taw-negah"(P); "we-a-tum"(S).
- M 10 Cogswellia?
"Wild celery", "salt and pepper"; "ye-duts"(P); "bass-o-wep"
(S); "ik-nish"(K).
Assoc. sphaeralcea, chylismia, astragalus.
Plant common.
Food, flavoring soups (seed or lvs. used); very large roots
boiled and eaten, and water therefrom used to kill mites
on chickens. Klamath use identical.
- M 11 Hermidium alipes
"Four-o'clock"; "he-wovey"(P) & (S).
Plentiful in small colonies.
Powdered root blown on sores of impetigo effects a cure.
-

- M 12 Sphaeralcea
"Desert mallow"; "goina kumbe"(S); "mu-ha"¹(P).
Near Fallon, Churchill County; 5/18/37.
~~Assoc. Four-o'clock, abronia and cogswellia;~~ in sandy soil.
Tap root; flw. apricot color.
Seeds used for food in early days.
See M 1.
-

M 13 - M 18. Schurz, Mineral County; 5/19/37. El. 4,000 ft. Desert sand,
granite boulders.

- M 13 Chylismia
"Day primrose".
- M 14
Plants flat and tiny, larger where favored by shade. Flw.
yellow.
- M 15 Populus
"Cottonwood"
Growing along irrigation ditch; small trees but thrifty.
- M 16 Salix
"White willow"; "tsu-be"(P).
Along irrigation ditch.
Stems used in basketry.
- M 17 Gramineae
Along ditch bank, rather dwarf, plentiful.
- M 18 Omit
-

M 19 - M 25. 10 miles NE of Schurz, between Rawhide and Schurz, Mineral County; 5/19/37. Desert soil.

- M 19 *Abronia villosa*
"Sand verbena", "sand puffs".
Assoc. with *Oenothera*, *delphinium* and *mentzelia*.
Bright rose-purple.
Seed for ornamental.

- M 20 *Mentzelia albicaulis*
"Gravy plant"; "ku-ha" (tribe not given).
Plants unusually large; flw. yellow.
"Ku-ha" (tribe not given), this term applied to various small seeds used as food which have been tossed into a basket with nearly dead coals to shuck the husks and subsequently pounded as for "Pinole" in California.
Paiutes use as food, commonly called gravy plant.

- M 21 *Astragalus pomonensis*
"Rattleweed", "loco weed"; "ta-da-gin-up" (P).
Only one specimen found.
Poisonous to stock.

- M 22 *Pentstemon confertus* var. *aberrans*?
"Sanddune pentstemon".
Unusually tall, robust stems, flws. pink-white blossoms; those near Winnemucca are more lavender.
Seeds abundant and grows hardily in desert conditions.

- M 23 *Tetradymia spinosa*?
"Spiny horse brush", "matchweed".
Very stout in full bloom; flw. yellow. 5/20/37.
At Owyhee in lambing time, this was considered responsible for wholesale sheep poisoning in 1936.

- M 24 *Lycium*
"Buckberry"; "we-yumb" (S); "hoopoya" (P).
Flw. white, stems at right angles to a running rootstock.
Think this is wild jam bush of Indians, berries eaten raw or made into jam. 5/20/37.
See M 258-frts.

- M 25 *Stipa*?
"Mt. grass".
Very tall slender grass, looks like *Stipa*, upper half 8 in. tall, total plant 24 in. tall.

M 26 - M 35. About 12 miles W of Schurz, in the mts., Mineral County; 5/20/37. El. 5,000 ft. Soil sandy, granite outcrops.

- (4)
- M 26 *Lewisia rediviva*
 "Bitter root"; "kanigda" (tribe not given).
 Assoc. with astragalus, aster, ephedra and castilleja.
 Flw. large; root small, forked about size of radish.
 Roots cooked and eaten; not used as a medicine at Schurz.
- M 27 *Pentstemon palmeri*
 "Pink pentstemon".
 Among rocks by roadside.
 Plant 3-4 ft. tall; flw. deep pink with deeper center; lvs.
 gray-green; heavy tap root.
- M 28 *Pentstemon kennedyi*
 "Blue pentstemon".
 Plant 12-20 in. tall; erect tap root with small fibrous roots;
 flw. bright blue with deep blue center.
- M 29 *Eriogonum nidularium*
 "Bird's nest buckwheat".
 Assoc. with pentstemon, ephedra and balsamorhiza. 5/21/37.
 When dry, plant becomes red-brown ball close to ground.
- M 30
 "Tsa-na-vi".
 Small shrub, not thorny, lvs. gray-green, flw. tubular and
 pink colored.
 Boil whole plant for stomach.
 (Informant: Alice Gildersleeve).
Same as M 55.
- M 31 *Salvia carnososa*
 "Desert ramona", "little chia"; "tu-be-segi-nobe" (P).
 18-24 in. tall; pungent fragrance; flw. reddish blue; lvs.
 gray-green.
 Lvs. steeped for colds.
- M 32 *Hermidium alipes*
 "Four-o'clock"; "hewovey".
 Plants spreading; at height of season; exceptionally beautiful
 rose colored seed envelopes.
 Boil whole plant and apply to head for headache; grind root
 and apply as wash to sores of impetigo.
- M 33 *Aster*
 "Dwarf aster".
 About 3 in. high; flw. rays deep purple, disc yellow; grows
 in mats.
- M 34 *Pinus monophylla*
 "Single leaf pinyon", "pine nut"; "wapi"-(tree), "tuba"-(pine
 nuts) (S); "tubape" (P).
 Large trees which evidently bear well.

M 34 *Pinus monophylla* - Cont'd.
 Valuable food. Seed ground and made into gruel used as a substitute for mother's milk. Wailaki tribe in California same use.
Cones S. Coll.

M 35 *Eriogonum*
 "Wild buckwheat".
 6-8 in. tall; flw. reddish brown; when gone to seed whole plant turns red and makes pretty leafless winter bouquets.

M 36 - M 40. 12 miles W of Schurz, Mineral County; 5/21/37. El. 6,000 ft. Above timber line, pinyon belt lower down, loose granite soil, many boulders and small fragments.

M 36 *Castilleja angustifolia*
 "Indian paint brush".
 Flw. brilliant rose red bracts; stalks chiefly single but some occur in bunches where protected by rocks.

M 37 *Astragalus purshii*
 "Purple loco".
 Plants small rather uniform in size; flw. purple. Poisonous to stock; habit forming; eaten in dry years, cattle continue to eat it, live for perhaps a year and then die.

M 38 *Erigeron*
 "Brass buttons".
 Quite dwarf, no ray flw. disc flw. bright yellow. Good for cramps; whole plant boiled.

M 39 *Eriogonum*
 "Butterballs".
 Flw. pale yellow.
 No medicinal use at Schurz.

M 40 *Phlox*
 "Phlox"; "sana-abu"(P).
 Plant grows in small flat mats; flw. white to deep pink. No use medicinally.

M 41 *Crepis*
 "False dandelion".
 Near Walker Lake toward mountains, Mineral County; 5/21/37. El. about 4,000 ft. Desert soil, some rocks. Assoc. with *Artemisia*, Four-o'clocks. Plants average 6-7 in. high. Flw. bright yellow; lvs. gray-green. Boiled lvs. serve Indians as greens.

M 42 - M 43. S of Schurz, Mineral County. 5/21/37. El. 4,500 ft.

M 42 *Astragalus pomonensis*
 "Rattleweed".
 Plants 7-8 in. high; pods highly inflated, rattle when dry,
 hence the name.
 Stock poisoning plant.

M 43 *Sisymbrium*
 "Mustard"; "et-sa"(P).
 About 1 ft. high. Abundant.
 Seed formerly used for food, both ground and cooked in soup.

M 44 - M 50. 30 miles S. of Schurz, Dutch creek, Mineral County; 5/21/37.
 El. 4,000 ft. Wet loam soil, assoc. white willow and thistle poppy.

M 44
 "White alyssum".
 Flw. white.

M 45 *Mentzelia laevicaulis?*
 "Blazing star"; "ku-ha"(P).
 Hardy perennial, flw. large and brilliant yellow; seed vessels
 cornucopia shaped.
 Porridge was formerly made from seed; called "Gravy plant".
 Smaller one *M. albicaulis*, also used

M 46 *Lycium pallidum?*
 "Buckberry", "desert thorn"; "we-yumb"(S); "hoopwe" also
 "kats-arra-buh"(P).
 Greenish shrub 3-4 ft. high; berries were green, turn red
 when ripe.
 Good to eat or dry for jam.
 (Informant R. Quartz).
Fr. Coll.

M 47 *Eriogonum inflatum*
 "Swollen stalk"; "gwuppa-ursa"(P).
 Plants 18-20 in. high; flw. tiny, yellow-brown.

M 48 *Chenopodium?*
 "Pigweed", "lamb's quarter"; "leppé"(P).
 Not yet in bloom.
 Grind seed and cook.

M 49 *Argemone hispida* *A. Gray. munita*
 "Thistle poppy"; "tsa-gida"(S); "ishub-goof-wa"(P).
 Plant rough, large; grows on hard dry banks, flw. white.
 Both (S) & (P) tribes cook seed, grind it and apply to sores.

M 50 *Artemisia tridentata*
 "Sagebrush"; "sa-wa-bae"(S) & (P).
 3-4 ft. high; lvs. gray-green; pungent odor.
 Steep whole plant in hot water for cough.

M 51 - M 63. 2-3 miles from Schurz, Mineral County; 5/22/37.

- M 51 *Grayia spinosa*
"Hop sage".
Forage plant; low thorny shrub, in sandy soil.
- M 52
"Scarlet hop sage".
- M 53 *Parosela polydenia*
"Citrus plant".
Gray-green woody low plant; flw. bright lavender.
Used for colds. (According to Richard Millen, this plant can furnish oil of orange).
- M 54
Shrub 3-4 ft. high; lvs. bright green.
- M 55 *Symphoricarpus longiflorus*
"Waxberry"; "tsanavi"-(red shrub)(P).
Low woody shrub, small gray lvs.; tubular tiny dark magenta flw.
Boil whole plant for stomach trouble.
Same as M 30.
- M 56 *Eriogonum nidularium*
"Bird's nest buckwheat".
3-6 in. high; plant when dried becomes red; conspicuous on sandy soil.
- M 57 ~~*Mirabilis laevis*~~ *Hesperonia retrorsa*
"White four-o'clock"; "hewovey"(P); "ma-goo-du-hoo"(S).
Low plant, many running stems from single rootstock; flw. white; also called "Little hewovey".
Impetigo plant--root is powdered and applied to sores. For headache boil whole plant and apply to top of head. For sores, dry root, grind fine, peel scab, and blow powder on sores.
(S) Gray lvs. steep like tea for cold.
- M 58 *Oryzopsis*
"Sand grass"; "wey"(P).
About 6-8 in. high.
Seed valuable for subsistence of Indians and also for forage.
Small variety.
Seed and S. Coll.
- M 59 *Artemisia spinescens?*
"Bud sage"; "kube"(P).
Very dwarf sage, woody tap root, heavy seeded, sage odor.
Ripe buds used to make sage pillows for tourist sale.
"Kube" (squirrel food), thus useful to Indians who eventually eat the squirrels.

- (5)
- M 60 *Oenothera*
 "Desert primrose" or "Evening primrose"; (no Indian name given).
 In an old lake bed, coral and spongy rocks.
 Flw. white, turning pink.
Seed for orn. and S. Coll.
- M 61 ~~*Mirabilis laevis*~~ *Hesperonia retrosa*
 "White four-o'clock", "wishbone flower"; "little hewovey"(P).
 Old plants woody at base; flw. white.
 Root powdered, dried, put on sores to cure impetigo. Yellow
 dye made from the root.
- M 62 *Lupinus nanus?*
 "Dwarf lupine".
 Plants tiny, about 1 in. high; flw. deep blue and white, plen-
 tiful.
- M 63 *Tamarix gallica* L.
 "Tamarix", "African cedar".
 At Collins ranch.
 Shrub 6-8 ft. tall; flw. pink; said to have been brought in
 by old settlers, common around houses.
 Stiff stems used in basketry.

M 64 - M 74. Dutch creek, 30 miles S of Schurz, Mineral County; 5/22/37.
 El. 4,000 ft. Wet loam.

- M 64 *Cirsium*
 "Thistle"; "koi-de"(P).
 Not yet in bloom.
 (As used at hot springs at Rawhide Nevada. Informant Rosie
 Quartz). Young plants eaten; peel skin in hot water, then
 feed to patient, let him down in water; patient better
 right away.
- M 65 *Cornus stolonifera?*
 "Dogwood"; "at-sa-wish-tsi danabu"(P).
 Tall shrub, red stems, clusters of berries.
 Long shoots used to make second baskets for grown babies.
- M 66 *Aquilegia truncata?*
 "Columbine"; "honeysuckle"; "pahwhanahabu"-(flowers)(P).
- M 67 *Thalictrum*
 "Meadow rue".
 No flw. brought in.
- M 68 *Mimulus (M. guttatus?)*
 "Monkey flower"; "pah-what-na-abe"(P).
 Not yet in bloom, probably will have a yellow bloom.
 Lvs. cooked as greens; also used as medicine by Paiutes.

- M 69 Cardamine
"Pah-munh"(P).
Flws. white.
Cooked for food by Paiutes.
- M 70 Radicula
"Water cress"?; "putzida"(P).
Very little of plant brought in. Leaf tastes like water cress.
Eaten fresh.
- M 71 Trifolium
"Bur clover"; "tonega"(P).
Looks like bur clover; flw. too poor to identify.
Forage? no other use by Indians.
- M 72 Aquilegia?
"Columbine"?; "pah-wha-na-ha-by"(P).
Perhaps same as M 66; two informants differed but both agreed
on name.
- M 73 Sisymbrium
"Big mustard"; "tsa-buni", "tsa-bu-nu"(P).
Tall much branched.
Food, soak seed for soup.
S. Coll.
- M 74 Epilobium??
"False nettle"?; "oo-see-gwad-sebu"(P).
Medicine for swollen legs, grind leaf and rub leg any place.

M 75 - M 79. About 15 miles N of Schurz on the way to Fallon; Mineral County;
5/23/37. Soil almost pure sand.

- M 75 Oryzopsis
"Sand grass"; "wey"(P).
Very tall compared to that around Schurz.
Seed eaten extensively.
S. Coll.
 - M 76 Abronia villosa?
"White sand verbena".
Plentiful--very large plants.
 - M 77 *Gram.*
Tall grass grows with sand grass; 15-20 in. tall.
 - M 78 Oenothera truncata?
"Evening primrose".
Not yet in bloom.
 - M 79 Abronia
"Pink sand verbena".
Flw. bright pink; dwarf specimens.
-

M 80 - M 82. About 10 miles S of Fallon, along irrigation ditch, Churchill County; 5/23/37. Heavy clay soil.

- M 80 "White alyssum".
Thrifty plant with odor common to honey plants; flw. white.
- M 81 *Asclepias*
"Narrow leaf milkweed"; "wisha"-(string net for carrying)(P);
"wa-ng"-(any net)^(S)
3-4 ft. tall.
String made from this plant, also carrying nets for water bottles.
- M 82 *Chaenactis*
"Old maid's pincushion".
Flw. white.

M 83 - M 87. Near Indian sub-agency, about 10 miles from Fallon, Churchill County; 5/24/37. El. 4,000 ft. Sandy loam soil.

- M 83 *Cleome lutea*
"Bee plant".
Growing scatteringly along irrigation ditch. Flw. yellow.
Honey plant.
Seed used as food at Nixon.
- M 84 *Salix*
"White willow"; "tsuba"(P).
About 10 ft. high, slender habit.
Paiute favorite basket material; old shoots used, bark shredded from them is buried in manure to set color black, unfadeable. This is for pattern; shoots for foundation.
- M 85 *Chenopodium?*
"Goosefoot"?
Plentiful by roadside.
- M 86 *Cuscuta*
"Dodder", "bind weed", "love vine".
Many colonies vigorously climbing over neighboring small plants. Parasite--eventually kills host.
- M 87 *Gram.*
"Wire grass".
In irrigation ditch; fibrous roots deep in mud. Not very large. A heavier or older wire grass was used by Paiute women for woven petticoats ribbing them with tule thread.

M 88 - M 89. 3 miles out of Fallon, Churchill County, by ditch; 5/24/37.

M 88 *Asclepias speciosa?*
"Big milkweed".
Sturdy plant.
Stock poisoning, especially lambs.

M 89 *Atriplex*
"Saltbush".
Very fine sharp thorn on this shrub.

M 90
5 miles NW of Fallon, Churchill County; 5/25/37. Soil pure sand.
Assoc: saltbush, evening primrose.
Shrub; 2-3 ft. high, not thorny. Plant infested with bug
which surrounds buds and spins cotton about them eating
seed.

M 91 - M 95. 20 miles from Fallon, Churchill County; 5/25/37. Shore of
Lake Lahontan. Soil volcanic clay, plenty of lava rock.

M 91 *Heliotropium*
"White fiddle neck"; "tuba-manabe"(P).
Flw. white tinged with lavender; similar to fiddle necks but
with smooth stems.
This is the white flowered small plant by Lake Lahontan, used
as an emetic by the Indians. Boil plant and drink.

M 92 Boraginaceae
"White for-get-me-not".
2-3 in. high.
A distant blue relative of this furnished purple dye from
root.

M 93 *Chylisma*
"Day primrose".
Tall and branching; 18-24 in.; buds red and underside of
petals pink.

M 94 *Thelypodium laciniata?*
"Squaw cabbage", "Prince's plume"; "hevupa"(P).
Flw. yellow.
Basal lvs. cooked and eaten.
S. Coll.

M 95 *Verbena bracteata*
"Vervain"?
Six inch mats; tiny blue flw.
Larger form of this used as an abortifacient and after child-
birth by Indians of California. Tea made from root.

M 96 - M 100. 35 miles NW of Fallon, Churchill County; 5/25/37. Distinctly
desert, but not clear sand, some rocks and loam.

- M 96 Malacothrix???
"False dandelion".
12-18 in. tall, flw. yellow.
- M 97 Lygodesmia ?
"Desert star".
Flw. pale straw color.
- M 98 Glyptopleura marginata
"Rabbit guts", "peanut butter plants"; "kumi-segee"(P).
Stems reddish.
Lvs. eaten raw.
- M 99
"Blue desert gilia".
Flw. bright blue.
- M 100 Nama
"Pink gilia"???
Flw. bright rose pink making bright spots on desert floor.

M 101 - M 105. 40 miles NW from Fallon, Churchill County; 5/25/37. Semi-desert.

- M 101 Oryzopsis
"Little sand grass".
Plant $\frac{1}{2}$ size of big sand grass, not as extensively used as the larger form for Indian food.
Good forage plant. Considerable seed gathered by Walker River Indian Agency for reseeding.
- M 102 Abronia
"Pink sand verbena".
Flw. deep pink.
- M 103 Abronia villosa
"White sand verbena".
Flw. white.
- M 104
Lvs. in basal rosette.
- M 105 Caulanthus glaber
"Squaw cabbage".
3-4 ft. tall; among sagebrush; large basal lvs.
Used as food; lvs. cooked.
See M 94.
seed

M 106 - M 113. Near Carson Indian Agency, Stewart, Ormsby County; 5/26/37. Stewart dump.

- M 106 *Arabis fendleri*
"Arabis", "rock cress".
18-24 in. tall; flw. dark purple.
- M 107 *Delphinium*
"Tall larkspur".
Flw. dark blue; plants 24-30 in. tall.
Stock poisoning plant.
- M 108 *Prunus andersonii*
"Wild peach", "desert peach".
Thorny low shrub; flw. pink.
- M 109 *Lupinus laxiflorus?*
"Silver lupine".
Tall; flw. blue-purple.
Accused of stock poisoning.
- M 110 *Oenothera brevipes*
"Dwarf evening primrose".
Bears much seed which germinates well under dry conditions
and frost.
- M 111 *Crepis?*
Plant 10-18 in. tall.
- M 112 *Balsamorhiza sagittata*
"Arrow leafed balsam root".
Ray flw. yellow-orange color; resinous gum in roots.
Seed and gum eaten; root steeped for medicine.
- M 113 *Allium anceps*
"Wild garlic".
3-4 flowering stems from one bulb, scimitar shaped lvs.,
bulbs when ripe redder, strong garlic odor. Grow readily
from seed.
Eaten raw.

M 114 *Delphinium*
"Blue larkspur". About 12 miles from Schurz, Mineral County
in Pinyon belt. This specimen taken from Wild Flower Show
at Carson Indian Agency, Stewart, 5/29/37.
Flw. pale sky blue.
Pale blue larkspur is not considered by stockmen as poisonous
as the dark one.

M 115 - M 116. Fallon Indian School exhibit at Carson Indian Agency wild
flower show. Stewart; 5/29/37.

M 115 *Rumex hymenosepalus?* *venosus*
 "Sand dock"; "tu-ha-konobe"(P), "wainatsu"(S).
 2 12-34 in. tall, reddish stem and root.
 For burns, root powdered and applied. Yellow dye obtained
 by removing bark and making tea.

M 116 *Pinus monophylla*
 "Single leaf pinyon", "nut pine"; "tubape"(P), "wapi"(S).
 Trees 18-20 ft. high; seeds well. Nuts are staple article of
 Nevada Indian food and are sold in stores as delicacy.
 Food; nuts.
 Paiute for pine nuts is "tuba".

M 117 *Mimulus guttatus*
 "Yellow mimulus"; "pah-what-na-abe"(P).
 Tall plant, grows in wet places; flw. yellow; this specimen
 obtained from Carson Indian Agency wild flower show at
 Stewart, 5/29/37, as part of Schurz exhibit.
 Lvs. used as medicine; method not given.
See M 68.

M 118 *Allium anceps?*
 "Wild garlic", "wild onion".
 Short stemmed umbel of rose purple flw. Specimen obtained as
 part of Schurz exhibit at Carson Indian Agency wild flower
 show at Stewart, 5/29/37. No bulbs with specimen.
 Bulbs and lvs. eaten by Indians.

M 119 - M 126. 9 miles N of Winnemucca enroute to McDermitt, Humboldt
 County; 6/4/37. El. 4,500 ft.

M 119 *Astragalus pomonensis*
 "Rattleweed", "loco".
 Puffy hollow pods.
 Stock poisoning plant.

M 120 *Mentzelia albicaulis*
 "Tiny evening star"; "ku-ha"(P).
 Plants 5-10 in. high; flw. buttercup yellow, orange center.
 Gravy plant; seeds pounded, made into soup or gravy.

M 121 *Glyptopleura marginata*
 "Rabbit guts", "peanut butter plant"; "kumi-segee"(P).
 Subsistence plant of Paiutes. Lvs. eaten raw, has flavor of
 peanut butter.

M 122 *Psoralea?*
 Lvs. glossy and aromatic when crushed; flw. has sweet
 fragrance.

- M 123 *Leptodactylon?*
"Prickly gilia", "false phlox".
Flw. white; woody tap root and stems.
- M 124 *Senecio crepis acuminata*
"Arnica", "butterweed".
Flw. yellow; tap root.
Lvs. used as limiment. No Indian name obtainable.
- M 125 *Leucrocrinum montanum*
"Sand lily".
Flw. white.
Seed said to be poisonous to sheep. Ground squirrels eat them with impunity.
Seed.
- M 126 *Oryzopsis*
"Sand grass"; "wey".
Very tall and thrifty looking.
Forage plant.

M 127 - M 128. About 15 miles from Winnemucca, Humboldt County; 6/4/37.
In the sand dune district.

- M 127 *Rumex hymenosepalus venosus*
"Sand dock"; "tuha-konobe"(P); "tua-ono-gibu"(S).
Very large handsome specimens; soil pure sand.
Medicine plant; dry root powdered for burns and sores, also belly-aches boil root and drink it. McDermitt Indians get this near Winnemucca.
- M 128 *Stipa?*
"Foxtail".
About 20-24 in. tall, thrifty, in clumps; chaffy at base of stalk, fibrous roots.
Has not been grazed where other grasses had been eaten down.
Not regarded as good forage on account of barbs which get in cattles eyes and around mouth.

M 129 - M 131. Top of Paradise Hill, 25 miles from Winnemucca, Humboldt County; 6/4/37. El. 5,000 ft.

- M 129 *Carum*
"Queen Anne's Lace", "wild carrot"; "ya-pah"(P); "yamp"(S).
Growing in hard clay soil; flw. white.
Subsistence plant; seed cooked and tubers eaten, have licorice flavor and are very sweet.
- M 130 *Gramineae*
"Dwarf grass".
Very short; plentiful.
No special forage value.

M 131 *Sisymbrium?*
"Mustard"; "ac-j-ha"(P).
Seed cooked and eaten by Paiutes.

M 132 - M 141. Top of plateau near Ft. McDermitt, Humboldt County; 6/5/37.
El. 5,000 ft.

M 132 *Delphinium*
"Blue larkspur".
Plants 2-3 ft. tall; flw. deep cobalt blue.
Stock poisoning plant; considered more poisonous than the light blue one.

M 133 *Lupinus laxiflorus*
"Silver lupine".
Flw. blue and white.
Accused of poisoning stock.

M 134 *Castilleja pinetorum*
"Indian paint brush".
Plants 18-20 in. tall; bracts deep crimson.

M 135 *Carum*
"Queen Anne's lace"; "ya-pah"(P); "yampe", "ya-ba"(S).
Soil moister than M 132-M 134.
Plant 1 1/2-2 ft. tall; flw. white.
Important food of Paiutes, seed cooked, tubers used separately, eaten raw in spring, also collected when mature and stored for winter.
See M 129.

M 136 *Astragalus*
"Yellow loco".
Flw. yellow, borne like banners on tall stems 20-30 in. tall.
Alleged as poisonous to stock; not considered so at McDermitt.

M 137 *Astragalus purshii*
"Woolly loco", "tada-ginobu"(P).
Plant said to contain a habit forming drug for cattle; cows forming the habit will live for a year, eating nothing else and then die.

M 138 ~~*Arabis macdouglisi*~~ *Parrya menziesii*
"Rock cress".
Plants gone to seed. Probably purple flowered.
If this is *A. Macdougli* the lvs. are used for liniment.
S. Coll.

M 139 *Balsamorhiza sagittata*
"Arrow leaved balsam root"; "sada-kaitsa"(S); "ah-kerh", "wa-ak"(P).
Flw. yellow; roots very large and resinous.
Roots steeped for medicinal use--colds etc. Chew aromatic gum at roots. Eat seed raw.
S. Coll. Seed for drug expt.

M 140 Astragalus
"Rattle weed".
Flw. yellowish; pods narrow, slightly inflated.
Poisonous to stock, especially horses.

M 141 Lewisia rediviva
"Bitter root"; "kanutch"(Montana Indian); "ka-ner-theh"(P);
"gunga"(S).
Flw. large white.
Subsistence and medicinal plant of many Indians. Roots
boiled for food, pounded for medicine. General alterative.
For food, roots peeled and dried, then cooked as cornstarch
pudding.

M 142 - M 145. McDermitt, town and environs, Humboldt County; 6/5/37. El. 4,700 ft.

M 142 Lepidium perfoliatum
"Pepper grass".
Seeds prolifically; two years ago very scarce in this locality
(may have been introduced on hay) and now bids fair to take
the town. Not noxious.

M 143 Phlox douglasii??
"Plateau phlox".
Flw. white to pink.

M 144 Eriogonum orthocaulon
"Pussyfoot", "white buckwheat"; "ya-paw-taw-the".
Flw. whitish or pale yellow marked with pink veins.

M 145 Eriogonum *ovalifolium*
"Yellow buckwheat", "Butter balls"; "ya-paw-taw-the".
Flw. bright yellow.
Tea made from roots used to cure cold by Fallon Indians.

M 146 - M 149. McDermitt Valley, Humboldt County; 6/5/37. El. 4,700. Along irrigation ditch.

M 146 Salix
"White willow", "gray willow"; "tsube".
Not very tall, silky slender lvs.; reddish bark on larger
specimens.
Practically the same as M 170; see same for uses.

M 147 Ribes *aurcum*
"Wild currant"; "pa-au-bis", "bo-gumbe"(P).
About 3 ft. tall.
Berries used for food. Inner bark dried and ground to put
on sores.
(Bo-gumbe is the name at McDermitt).

- M 148 Rosa
 "Wild rose"; "tsiebuwi"(P).
 4 ft. tall; flw. deep pink, very fragrant.
 Fresh galls, growing on these bushes are mashed and used for
 boils, after boil has been opened.
 "Tsiebuwi" is Paiute name of galls.
- M 149 Pentstemon
 "Blue pentstemon".
 Flw. blue.

M 150 - M 151. On plains near McDermitt, Humboldt County; 6/5/37. El. 4,700 ft.

- M 150 Chylismia
 "Day primrose"; "ya-ung-tonega"(P).
 Colonies carpet the ground; 4-5 branches to a plant.
- M 151 Artemisia spinescens?
 "Bud sage"; "kuba"(P).
 Low, thickly branched plant; exceedingly strong sage odor.
 Seed furnish squirrel food; valuable as forage but makes
 lambs' mouths sore.

M 152 - M 155. Ft. McDermitt, Humboldt County; 6/6/37. El. 5,000 ft. Up hill about 3 miles.

- M 152 Erigeron *concinus* var. *aphanactis*
 "Brass buttons".
 Plants 5-8 in. tall.
 No Indian use at McDermitt, but Schurz reports whole plant
 boiled and taken as medicine for cramps.
- M 153 Zygadenus paniculatus
 "Death camas"; "dobi-segaw"(P).
 In rocky and clay soil; 24-30 in. tall; bulb 10 in. deep in
 soil, about size of pigeon egg; flw. white. Stock poisoning
 plant.
 Bulb used as poultice for sprains or leg ache. Mash raw and
 apply; it will adhere.
- M 154 Calochortus nuttalli
 "Sego lily"; "kogi"(P).
 2-3 ft. tall; flw. stems branching; bulb rather large and
 covered with brown skin, purple spot on petals.
 Bulbs eaten mostly raw, occasionally saved for winter.
- M 155 Viola beckwithii
 "Pansy violet".
 Flw. said to be blue and cream colored. Not in bloom.
S. Coll.

M 156 Elymus

"Big bunch grass", "rye grass"; "wahobeque-haba"-(dry grass) (P); "po-he-kwa-ha-ne", "pane-kwa-hane"-(blades)(P).

2 miles from Indian Agency, McDermitt, Humboldt County; 6/6/37. In valley, rich soil. Tall bunches of grass up to 4 ft. or more; said to be bitter when green and it was noticeably ungrazed.

Valuable winter feed for cattle, which means will paw snow for it. If mowed it becomes less coarse and less bunchy. Dry blades used for scraping eyes; the old cure for trachoma.

(See spec. of blades).

M 157 - M 159. Ft. McDermitt, Humboldt County; 6/6/37. El. 5,000 ft. On hill about 3 miles.

M 157 ~~Balsamorhiza hookeri~~

Crepis occidentalis

"Cut leaf balsam"; "ah-kerh"(tribe not given).

Flw. bright yellow.

Seeds used as food; aromatic gum at roots chewed; tea from roots used medicinally as a general tonic.

Discard? The spec collected was a *Crepis!*

M 158 Senecio

"Butterweed", "arnica".

In rocky places; 3-3½ ft. high; flw. yellow.

M 159 Allium atropurpureum

"Wild onion".

Plants 7-9 in. tall; flw. reddish purple, solitary leaf.

Bulbs eaten raw.

M 160 - M 165. Top of plateau near Ft. McDermitt, Humboldt County; 6/5/37. El. 5,000 ft.

M 160 Gram.

"Tiny grass", "hair grass".

4-6 in. high; prefers red-brown rocky soil.

M 161 Aster pulchellus?

"Yellow aster".

M 162 Allium anceps? N.H.S.

"Wild onion".

Lvs. flat; flw. pink-purple-white.

Indians eat bulbs raw.

S. Bulbs Coll.

M 163 ^a Scutellaria?

"Skull cap".

Plants 3-4 in. tall, deep blue purple flw.; slender root terminates in long narrow tubers which though small are sweet and aromatic. Tubers sought by Indians who dry them for winter.

No Indian name but are called "sweet potatoes", eaten raw or cooked.

M 164 Phlox stansburyi
"Stansbury phlox"; "deep-taw-negah".
Flw. deep pink; semi-woody stems uniting in a fibrous root.

M 165 Peucedanum
"Mountain parsley".
Lvs. used as seasoning by California Indians but not by those
of Nevada.
Seed and S. Coll.

M 166 - M 174. Ft. McDermitt, Humboldt County; 6/7/37. El. 4,700 ft.
Meadow.

M 166 Erigeron
"Aster".
Plants 6-10 in.; rays flw. lavender.

M 167 Pentstemon confertus
"Clustered pentstemon".
Plants 24-30 in. tall; flw. sky blue; small root stock with
fibrous roots.

M 168 Zygadenus venenosus
"Death camas", "poison camas"; "koge-u-donup"-(a poison bulb)
(P).
Flw. ivory white; bulb small, black coated, not very deep
in ground.
For sores; mash to pulp and apply, will stick like plaster.
To remove soak with hot water.

M 169 Artemisia *gnaaphalodes*
"Artemisia"; "ko-se-wi-up"(P).
To act as blood tonic after childbirth; boil roots and strain;
drink 2-3 cups daily. California Indians use Artemisia
heterophylla for same purpose and tie bundles of heated
lvs. on woman's breast and body for milk flow, while she
lies in a pit of slightly warm ashes.

M 170 Salix *argophylla exigua*
"White or gray willow"; "kosi-tsube"(P).
Growing along river.
For laxative, put willow twigs in quart tomato can, add tea-
spoon of salt and fill with water, steep and drink. (Infor-
mant; J. Crutcher). Also shave inner bark and boil; drink
for chills, headache, Acts as laxative (Informant; Pete
Snap).

M 171 Senecio
Plants grow in good deep soil; some specimens 3-4 ft. tall;
flw. yellow.

M 172 *Achillea lanulosa*
 "Yarrow"; "ta-se-tanega", "tod-zi-tanega", "todzi-tanega"(P).
 Flw. white; plants 18-20 in. tall.
 For sore eyes boil lvs., strain and use for drops in eyes:-
 "ta-se-tanega". After childbirth; for blood tonic boil into
 tea, drink a cup twice daily for a week. For collar boils
 on horses boil lvs. and apply:-"tod-zi-tanega". In Calif-
 ornia Indians drink lv. infusion for tuberculosis; also for
 felon applied as compress or poultice.

M 173 Gram.
 "Timothy".
 Good pasture.
 Forage plant.

M 174 Gram.
 Sod grass; slender, woody sheath, wiry flat blades.

M 175 - M 187. Spec. from Wild Flower Show at Carson Indian Agency, Stewart;
 5/28/37. Exhibited by McDermitt Indians.

M 175 *Veratrum californicum*
 "Skunk cabbage", "false hellebore"; "tabassop", "butiwe"(P).
 Occurs about 10 miles from McDermitt, about 6,000 ft., el.
 plants 3-4 ft. tall; large stalk, white flw.
 Raw roots mashed and used for boils on horse or man. Said
 to be stock poisoning. Not considered as such at Ft.
 McDermitt; sheep eat it with impunity.

M 176 *Rumex*
 "Wild rhubarb", "sour dock?", "Indian rhubarb"; "pa-we-up",
 "pa-wi-up"(P).
 Large plant with characteristic dock lvs. 5-7 in. long with-
 out petiole; sheath of stem slightly woody.
 For rheumatism and sores, -mash root into pulp and apply by
 rubbing, not as poultice. For stomach trouble--boil root
 and drink tea. A main medicine. At Battle Mountain-boil
 root and use as poultice for bruises.

M 177 *Cicuta*
 "Wild parsnip"; "ha-ka-nup"(P).
 For snake bite: wash root and apply to bite; if bitten on
 limb make horse hair tourniquet above bite (also reported
 at McDermitt to split the root and bind onto wound).
 Highly poisonous to people and animals if eaten.

M 178 *Leptotaenia*
 "Tasupa"(P).
 Tall, shade growing; root carrot shaped (when freshly cut has
 odor of toilet soap-W.A.Archer).
 For inhalation for coughs and colds; boil and drink tea. To
 smoke for coughs and asthma ~~at~~ cut in small pieces for in-
 haling. Dry, then powder and inhale as snuff or smoke in
 pipe.

- M 178 *Leptotaenia*-Cont'd.
Probably same as "Todsä"--Schurz and Fallon, June 2, rep't.
This plant will positively cure gonorrhoea--boil root together with Yarrow and drink it.
- M 179 *Typha latifolia* L.
"Cat tail"; "to-i-ba"(P); "mahat-ala"(W).
Seeds and rootstock used for food.
- M 180 *Iris missouriensis*
"Wild iris"; "horse tongue"; "poku-erop"(P).
Plant 2-3 ft. tall; flw. blue or lavender; wet meadow plant.
Tea made from roots for bladder trouble. Seeds poisonous to horses.
- M 181 *Compositae*
"White sunflower"; "to-hah-kup"(P).
For food; grind dry seed and cook with water into a thick mush which is naturally sweet. The big root not used.
- M 182 *Clematis*
"Wild clematis"; "e'sag-wena"-(a wolf trapped)(P).
Vine; hop shaped lvs. very trailing tangling roots above ground from which comes the Indian name.
Dry and powdered root used for shampooing hair. Indians believe it makes hair grow.
- M 183 *Smilacina stellata* *liliaceae*
"False solomenseal"; "e-sa-donup".
Plant probably 18-20 in. tall; flw. starry white; running rootstocks.
For swollen parts, mash green root and ^{apply} ~~apply~~ or root may be dried, soaked in hot water, mashed to a pulp and then applied to swelling.
- M 184 *Bilia floccosa*
"Pa-we-na-tus-wa"(P). as a liniment
Grows in dry places. About 5 in. tall; said to have blue flw.
For swollen parts mash lvs. either dry or green and apply; ←
if lvs. are dry soak in hot water and mash. Same use as "ko-si-wi-up". Boil, drink tea.
- M 185 *Artemisia tridentata*
"Sagebrush"; "sa-wa-bae"(P).
Grows around McDermitt, El. about 4,700 ft.
Lvs. boiled for tea for colds. Old black lvs. made into powder for rash on babies (in separate packet). Wood used for fuel.
- M 186 *Potentilla*
"Cascara"(?)
Boil whole plant into strong tea; used for laxative.

M 187 *Cornus stolonifera*
 "Basket dogwood"; "a-tsa-ka-se-na-up" (P).
 Fairly tall shrub 4-6 ft.; flw. white; bark reddish; roots
 running, sending up shoots.
 Peel bark from long shoots and weave into baby basket;
 latter is called "Hoop".
 (Numbers between 188-194 inclusive omitted by E. V. A. Murphey).

M 195 *Camassia leichtlinii?*
 "Blue camas"; "pas'eer'aw" (P); "pasigo" (S).
 About 70 miles N of Elko, 6 miles S of Mt. City, Elko County
 6/11/37. In stream bed, black soil of bank; 1 1/2-2 ft. high;
 has a small bulb, grows about 6 in. deep; flw. sky blue.
 Bulbs dug when ripe and baked in a pit.

M 196 *Delphinium*
 "Blue larkspur"; "woo-a-tonega" (P).
 10 miles N of Owyhee, Nevada at Paiute colony on Miller Creek
 (Just across Nevada state line in Owyhee County, Idaho);
 6/12/37. Soil black but not adobe;
 Assoc. dock, violets, lupine.
 Known to be stock poisoning, especially to horses.

M 197 *Rumex crispus*
 "Indian rhubarb", "dock"; "pa-we-up", "pa-wi-up" (P);
 "enga-pawia" (S).
 Valley of Owyhee Reservation; 5,300 ft. El. 6/12/37.
 Plants 2-3 ft. tall; in seed; large root with laterals; lvs.
 4-6 in. long; end of stem red as in rhubarb.
 Roots peeled, pounded raw and applied as liniment; Shoshones
 use chiefly for horses; Paiutes use tea made from root as
 general tonic.

M 198 *Eriogonum incanum? caespitosum*
 "Wild buckwheat"; "naka-donup" (P).
 5 miles N of Owyhee, Elko County, Nevada; 6/12/37.
 Assoc. purple aster, sage.
 Leaves Plants in basal gray mats; spreading about 2-3 in. diam.; tap root; flw.
 yellow and red.
 Not used medicinally at Owyhee; but was reported in other
 places as tea from roots used for colds.

M 199 - M 204. Owyhee, Elko County; 6/13/37. Meadow close to town. Sandy soil.

M 199 *Iris missouriensis*
 "Wild iris", "flag"; "pogu-danop", "poku-erop" (S).
 Plant 2-3 ft. high; flw. pale lavender with pale yellow mark-
 ings; rhizome quite deep.
 Seed reported as poisonous to horses; root used for toothache,
 peel root and insert bit in hollow tooth, will kill nerve
 and ache ceases immediately. Also used as a wash. Note:-
 special use-tea made from roots is considered specific for
 gonorrhoea (said to be sure cure at Mc Dermitt).

M 200 *Linum lewisii*
 "Flax"; "quita woyumb", "poo-hinatsu"(S).
 Plant 3-3½ ft. high, slender; flw. sky blue; not much root.
 Lvs. steeped for diarrhea; also lvs. steeped for sore eyes,
 and itches. When applied as a poultice for sore throats
 it is called "poo-wi-nat-su" by Shoshones.

M 201 *Cornus stolonifera* *tch*
 "Osier dogwood"; "quiek yana", "hoo-we-up"-(baby basket tree)
 (S).
 Shrub 4-6 ft. tall; bark red.
 For cradle board.

M 202 *Smilacina stellata?*
 "False Solomonseal"; "tsini-bube"(P). Could not agree on
 Indian name.
 Quite tall for this species; high; flw. white, starry; lvs.
 bright green; running root stock. Root sp. in envelope.
 Boil root and drink tea for internal pain. Reported from
 Fallon, Nevada. For swelling, pound and apply raw. Name
 and latter use supplied by Rosie Quartz at Schurz.

M 203 *Lithospermum ruderale*
 "Not-misha"(S).
 1½-2 ft. high; lvs. feel rough; tap root slender; flw. pale
 yellow, in axil of lv.
 Birth-control plant; tea from root to check monthly flow;
 daily use after six months will result in freedom from
 child-bearing; sometimes given to husband too. At Beowawe
 not known as birth control, but is used for diarrhea;-
 merely soak root in water and drink.

M 204 *Mentha?*
 "Peppermint"; "paquanah"(S).
 Semi-creeping plant, 3-4 in. tall; pungent odor when crushed;
 not in bloom when collected.
 Tea from entire plant to reduce fever; or from lvs. to reduce
 fever in babies. At Battle Mountain-make tea from dried
 lvs. and stems, drink for gas pains, etc.

M 205 *Phlox stansburyi*
 "Pink phlox"; "sa-gadonzia", "deep tonega"(S).
 Hillside near Owyhee, Elko County; 6/13/37. Lava rocks and
 poor soil.
 Assoc: *arabis fendleri*, camas, cloke cherry.
 Plant slender; flw. rose colored.
 Lvs. steeped for diarrhea.
 S. Coll. seed for orn.

M 206 *Achillea*
 "Yarrow"; "pannonzia"(S); "todzi-tonega"(P).
 Locality same as M 205; plant 18-20 in. high; flw. white.
 Tea used from root for gas pains; whole plant boiled and
 applied to felons, etc.; root inserted in hollow tooth,
 kills nerve. Mrs. Jessie Little, Paiute of Miller Creek,
 states that tea made from root is good for kidneys. Also
 tea from whole plant used for colds, etc. at Beowawe.

M 207 *Ribes aureum*
 "Wild currant"; "bo-gumbe"(P) & (S).
 Locality same as M 205.
 Shrub 2-3 ft. tall.
 Currants eaten. Inner bark used for tea, drink for swelling
 of limbs, (evidently dropsical).

M 208 *Menthaceae* *Tua axillaris*
 "Doot un zip"(S).
 Streets of Owyhee Indian Reservation, Elko County; 6/16/37.
 Small plant, 6-16 in. high; lvs. rather thick, when crushed
 give a pungent, dog fennel odor.
 Root boiled as tea for diarrhea.

M 209 *Salix*
 "Gray willow"; "goosh-hube"(S); "tsube", "kositube"(P);
 another greener willow is called "sagup", no special use.
 Owyhee, Elko County; 6/13/37. Meadow near town.
 Shrub 4-5 ft. high.
 Used for rough wicker, whistles, fuel and tinder.
 Same willow at Miller Springs, 10 miles N of Owyhee, just
 across state line into Idaho; el. 5,300 ft. approximately.
 Is reported by Mrs. Jessie Little to be used for white
 spot in eye; Burn charcoal from this willow, grind very
 fine and put on white spot. This band of Paiutes have
 lived an isolated life and have clung to old ways in medi-
 cine. Is called "kosi-tsube"(P). Battle Mountain- used
 for baby cradles only.

M 210 - M218. Hillside near Owyhee, Elko County; 6/13/37.

M 210 *Arabis fendleri pulchra*
 "Rock cress"; "bawanater-sowah"(S).
 1 1/2-2 ft. high, basal tuft of gray lvs.; flw. bright lavender,
 usually a single stem, sometimes branching.
 Whole plant, raw, seed pods and all, crushed and used for
 liniment.
 .S. Coll. Seed

M 211 *Prunus demissa*
 "Choke cherry"; "taw-nan"(S) given by J. Sims; name for
 berries "taw-eesh-aver".
 Shrub, 2-3 ft. tall; lv. when crushed gives bitter almond
 odor.

- M 211 *Prunus demissa* - Cont'd.
Berries for food; the white flw. is favorite basket pattern for Nixon Indians.

- M 212 *Cirsium?*
"Thistle"; "thin'na"(S); "koide"(P).
Plant 1/2-2 1/2 ft. high; sometimes budding at ground; buds yellowish pink.
Stalks when stripped of prickles and skin taste like crisp celery, commonly eaten by Indians. California Indians peel and cook. Also grows at Hotsprings by Rawhide, Nevada; peel skin of plant in hot water, feed plant to patient right there; let person down in water to cure of rheumatism.
See M 64.

- M 213 *Zygadenus paniculatus*
"Death camas"; "dabi-segaw", "kogi-a-donup"-(poisonous bulb)(S).
1 1/2-2 1/2 ft. tall; bulb, pigeon-egg size, black covering.
Poultice of raw bulb mashed and spread directly on skin for rheumatism and lame knees; also used as an emetic; if you dream it is your medicine, you can drink tea from it and recover, otherwise it is poisonous. Stock poisoning. Not used at Beowawe but known to be poisonous.

- M 214 *Purshia tridentata*
"Antelope brush"; "hunabe"(P) & (S).
Ragged shrub, 3-4 ft. tall; flw. yellow, fragrant. Regarded as valuable forage plant, especially for deer.
(Reported from Schurz, Nevada) lvs. chewed raw for physic; tea made for sick stomach.

- M 215 *Chenopodium*
"Pigweed"; "ku-ha"(P).
Plant 1 1/2-2 ft. high; common around vacant lots; lvs. green-gray, red on back.
Seed when ripe are parched in a basket over slow coals, then they are ground and eaten. "Ku-ha", apparently, is any small seed thus treated; it is applied also to Mentzelia laevicaulis and M. albicaulis. It is a term similar to the "pinole" used by California Indians.

- M 216 *Allium*
"Wild onion"; "gunk"(S); "koga"(P).
Flw. stalk 12-15 in. high; flw, turning purple as they mature; bulb and flw. with pronounced onion odor.
Whole plant eaten raw. At Beowawe eaten somewhat but wild garlic is preferred being more plentiful. At Battle Mountain both this and garlic are eaten raw and cooked.

- M 217 *Wyethia ^{amplexicaulis}*
"Sunflower"; "kosiak"(P) & (S); "son-a-cawau"-(gum plant).
In high places in meadow, soil quite rocky, volcanic.
Flw. yellow, slightly sticky in bud; lv. large, smooth; tap root.
Seed when ripe, ground for food; resinous roots used as emetic, tea made.

DATA RELATING TO INDIAN MEDICINAL PLANTS IN NEVADA
Field Notes by Mrs. Murphey -continued

27

M 218 *Sisymbrium*
"Mustard"; "boina" (S); "etsa" (P).
Plant $1\frac{1}{2}$ -3 ft. high; flw. yellow.
Ripe seed ground and cooked; formerly in great demand for food.

M 219 - M 222. Meadow, vicinity Owyhee, Elko County; 6/14/37.

M 219 *Artemisia*
"Wormwood"; "ko-se-wi-up" (P) & (S).
Plant 1- $1\frac{1}{2}$ ft. high; slender and silky; tap root.
Lvs. pounded raw for liniment; tea from whole plant for general tonic. Also steep lvs. in basket and put next to babies' skin to reduce fever, same for headache. At Beowawe tea is good for woman trouble.

M 220 *Elymus*
"Rye grass"; "washobe-quehaba" (P) & (S).
Seed of this grass formerly used for food. Valuable winter forage, slightly grazed now.

M 221 Gramineae
"Wheat grass".
This, with rye grass and little bunch grass, forms the three main dependencies of Owyhee cattlemen for forage.

M 222 Gramineae
"Little bunch grass".
6/7/37.
5-6 in. tufts of bluish grass, very fine.
Excellent forage.

M 223 Omit

M 224 *Balsamorhiza sagittata*
"Balsam root"; "kosiak", "kosi"-(dusty).
Near Miller Creek, N of Owyhee, Nevada, just across state line into Owyhee County, Idaho; 6/15/37.
Plant has gray lv.
Seed when ripe ground as food.

M 225 Compositeae
"White sunflower"; "ah-kerch", "tohaak".
Near Owyhee, Elko County, 6/16/37. El. about 7,000 ft.; soil heavy.
Assoc: pentstemon, potentilla.
 $1\frac{1}{2}$ - $2\frac{1}{2}$ ft. high; flowering heads somewhat sticky; root large; ragged lvs. caused by Mormon crickets.
Dry ripe seed ground for food; resinous root made into tea and used as an emetic.
S. Coll.

M 226 Agastache?

"Mint".

About 2 miles S of Owyhee on the road to Elko, Elko County; 6/16/37. El. 5,000 ft; springy black soil.

Average size of plant 2½-3 ft. tall; flw. bright pink; mint odor to lvs.; not much root.

Assoc: mimulus, speedwell, California bee plant.

Nearly all mints are popular with Indians; lvs. dried and tea made as beverage, not medicine.

M 227 Leptotaenia

"Mountain parsley"; "todsa", "toisa" (P) & (S).

Near Owyhee, Elko County; 6/13/37. El. 6,000 ft. Above aspen belt; soil rocky and sandy; very little vegetation.

Assoc: yellow violets, blue camas.

This is the cure-all for both Paiutes and Shoshones. Especially is it fancied for colds or asthma, in which case the dry root is smoked. Uses are practically identical with those given by Indians at Schurz, Fallon and Ft. McDermitt.

Roots for H. Spec.

M 228 Compositeae

"Hape"(S).

Near Owyhee, Elko County; 6/16/37.

Ragged lvs. due to Mormon crickets; about 1½-2 ft. high; pale yellow flw.; lvs. bright green.

Edible root? (Not sure this is right plant.)

M 229 - M 232. Secret Valley, Elko County; 6/18/37. El. 5,000 ft.

M 229 Prunus demissa

"Choke cherry"; "taw-nan"; Owyhee Indian name "taw-eesh-aver".

Assoc: blue violet, willow, wild iris.

Plant 8-10 ft. tall.

As food, berries dried or made into jam.

M 230 Salix

"Willow".

Possibly the one known as "Sagup", which is not used if "kositube" is obtainable.

M 231 Thermopsis montana

"False lupine", "golden banner".

3-3½ ft. tall; flw. bright yellow; running root; slightly woody at base of stem.

Considered as stock poisoning; but not thought dangerous at Owyhee where it was abundant, probably because of other abundant food.

M 232 *Marrubium vulgare*
 "Horehound", "soldier tea", "white man's foot".
 2½-3 ft. high; not in bloom.
 Springs up where white man steps; Brought in with the white man, hence the common names.
 Used by California Indians in making cough medicine; tea from lvs.; also used to check diarrhea.

M 233 *Populus tremuloides*
 "Quaking aspen".
 In Ruby Mountains, Elko County; 6/18/37. El. about 6,000 ft.
 Black stream soil.
 Assoc: blue violets, willow, choke cherry; large trees.
 Wood highly valued as fuel and for posts. Considerable blight on these trees.

M 234 - M 240. Thomas Canyon, 35-40 miles from Elko, Elko County; 6/19/37.
 El. 7,500 ft. Good rich soil; granite boulders; assoc: *Ceanothus velutinus*,
 Balsam root; aspen.

M 234 *Cercocarpus*
 "Mountain mahogany"; "toobe-buh-ah"(P).
 Short, thick, tough-looking trees; 20 ft. high.
 Bark used as a tea for heart trouble. Grind and apply to sores. It is this bark that one wears in the hat so lightning and thunder won't harm. These trees are valued by Indians for wood and for cattle forage in winter; for posts and fuel.
 Note: Yellow moss, *Evernia vulpina*, which grows on this tree is considered by Pete Snap of Fort McDermitt, Humboldt County, Nevada, the best because it produces the most lasting smoke to make yellow buckskin.
 Indian name for moss "yu-gur-sanibe"(P); "wapi-pui"(S).

M 235 *Balsamorhiza sagittata*
 "Balsam root"; "kosiak"(S).
 1-2 ft. high; flw. yellow.
 Ripe seeds eaten raw, or ground and used as meal.

M 236 *Thalictrum*
 "Meadow rue"; Wailaki Indians (of California) name: "chin-dun-ga-chit".
 2-3½ ft. tall; aromatic; known to be poisonous if eaten by Indians in mistake for Angelica.
 Called by these Indians "coyote Angelica" (false-seeming).

M 237 *Scutellaria*
 "Skull cap".
 3-6 in. high; flw. purple; root with long white tubers; plants form a purple mat on saturated mountain side.
 Tubers cooked in ashes and eaten; called "sweet potatoes" by California Indians. Eaten also by Nevada Indians.

M 238 *Allium parvum*
"Onion"; "gunk"(S).
Lv. 4-5 in. long; flw. white, 15-20 in a head;
Eaten raw as food.
Bulb and S. Coll.

M 239 *Cogswellia*
"Wild parsley"; "hoonib"(S); "tsoig"(? tribe).
Forming flat mats, 3-4 in. across; blossoms white; grows in
crevices of granite boulders.
This probably is "hoonib"(S) described at Owyhee.
Root roasted and eaten. At Battle Mountain cook root for food.

M 240 *Jamesia?*
Shrub 4-5 ft. high; not yet in bloom.

M 241 *Juniperus utahensis*
"Juniper"; "wapi-pui"(S).
On hill overlooking Elko, Elko County; 6/19/37. El. 5,500 ft.
Round headed tree 8-10 ft. high, stocky.
Berries used as food by all Indians who can get them; stewed
with or without sugar. Berries cooked and tea taken for
kidney trouble, by California Indians.

M 242 *Corydalis aurea?*
"Golden corydalis".
Ruby Mountains, Elko County; 6/18/37.
Grows in a mat; flw. yellow; in damp places.

M 243 *Artemisia? Tetradymia canescens*
"Little sagebrush", "wormwood"; "pava-hobe"(S).
Secret Valley, Elko County; 6/18/37.
Silky, silvery, shrub; woody base.
Tea from lvs., general tonic.

M 244 *Phacelia*
Locality same as M 243.
Plant 1 1/2-3 ft. tall; flw. pale pink-white.
Basal tufted lvs. favorite pattern for basket bottom, of
California Indians.

M 245 *Sphaeralcea*
"Wild geranium"; "mu-ha"(P); "goina kumbe"(S).
Locality same as M 243.
Large plants, some twice as large as specimen with 20 or more
stems from same root; flw. brilliant scarlet.
Seed used formerly for food; boil root and drink tea for "Bad
disease".-(Syphilis?)
Seed.

M 246 Boraginaceae
 "Wild for-get-me-not".
 Locality same as M 243.
 Plants 1½-2 ft. high; flw. white with blue eyes.
 One borage, *Lappula velutina*, has a large root which has
 sometimes been used to dye purple after crushing and boiling,
 by California Indians.

M 247 Hydrophyllum
 Thomas Canyon, 35-40 miles from Elko, Elko County; 6/19/37.
 Pale pink; seed pearly.

M 248 *Symphoricarpos*
 "Snow berry bush".
 Summit between Ruby Valley and Jiggs, Elko County; 6/18/37.
 El. 7,247 ft.
 Low matted bushes 3-3½ ft. tall; not in bloom.
 On account of light pith, the branches or shoots are used by
 children for bird arrows in California; long shoots and
 straight come up after having been cut down; also formerly
 used for pipe stems.

M 249 Gramineae
 "Wheat grass".
 Thomas Canyon, Elko County; 6/19/37. El. 7,500 ft.
 1½-2 ft high; plentiful, not browsed yet.

M 250 - M 252. Thomas Canyon, 35-40 miles from Elko, Elko County; 6/19/37.
 El. 7,500.

M 250 *Saxifraga bronchialis?* (Caryophyllaceae???)
 Flw. white, orange spot at base of each petal.

M 251 *Valeriana edulis?*
 "Valerian"; "ku-yi"(P).
 1½-2½ ft. high; rhizome stubby with fibrous roots and a decided
 valerian odor.
 Hoopa Indians and Ft. Bidwell Paiutes (of California) both
 cook roots of this for food.

M 252 *Selaginella*
 On rock ledges.
 Excellent for glass gardens, for packing, or in rock gardens.

M 253 Allium
 "Wild onion"; "pa-pu-si"(P); "gunk"(S).
 In Indian Colony at Elko, Elko County; 6/19/37.
 18-20 in. tall; flw. rose-pink; bulbs 1/3 in. size; plentiful.
 Bulbs eaten raw.

M 254 Berberis
 "Oregon grape".
 Thomas Canyon, 35-40 miles from Elko, Elko County ;6/19/37.
 Dwarf and scanty of foliage; running roots.
 Peel bark from root and steep for white man's disease; a blood
 purifier in common use by California Indians. They also
 use this root to make a brilliant orange dye; and tea from
 this will check bloody dysentery. Berries used instead of
 Certo to help fruit to jell.

M 255 Asclepias mexicana N.H.S.
 "Milkweed".
 Near Schurz, Mineral County; 5/25/37.
 2-3 ft. tall.
 This is the plant California Indians poultice snake bites
 with; crush it green or pour hot water on it if dry, and
 apply to wound.
Seed.

M 256 *Cornus?*
 "tu-bop-we"(P).
 On mountain near Schurz, Mineral County; 5/25/37.
 (Rosie Quartz, informant) red basket material for pattern,
 sounds like red bud; second bark used; specimen looked
 pretty coarse.
N.H.S. Red basket material in envelope.

M 257
 "Du-du-nabe"(P).
 Locality same as M 256.
 Root is used for foundation in basketry; turns black, smells
 sweet; could not get positive information at interview.
N.H.S. Root sp. in envelope.

M 258 Lycium pallidum N.H.S.
 "Buckberries"; "we-yumb"(P).
 Near Walker Lake, Mineral County; 5/27/37. In foothills.
 Very thorny bush; many little red berries; shrub is gray and
 quite thorny (saw it two years ago in Mineral County, Nevada.)
 Berries eaten raw or cooked as jam. Or dried and saved for
 winter.
Berries collected and donated by Walker River School.
 (See M 24 for specimen.)

M 259 *Hemidium alipes*
 "Hewovey".
 Close to Schurz, Mineral County; 5/25/37.
N.H.S. Seed S. Coll.
 (See M 24 for Specimen).

M 260 *Cleome*
 "Pokusinop" (P).
 Ten miles W of Battle Mountain, Lander County; 6/22/37. El.
 4,500 ft. By roadside, sandy soil.
 Assoc: desert mallow, pepper grass.
 Believe seed used as food at Nixon.
S. Coll. seed.

M 261 *Eriogonum sulphurem?*
 "Sulphur flower"; "ya-paw-taw-the" (P).
 25 miles NE of Winnemucca, Humboldt County; 6/22/37. El.
 about 4,500 ft. Mineralized soil.
 Assoc: bud sage, desert mallow.
 Flw. yellow. Roots transplant well at any time.
 Tea for colds made from roots.

M 262 - M 265. 11 miles W of Winnemucca, Humboldt County; 6/23/37. El. 4,500
 ft. Sagebrush soil. Assoc: *Cleome*, *Eriogonum*, *Oenothera*.

M 262 *Glyptoleura marginata*
 "Peanut butter plant", "rabbit guts"; "cumi-segee" (P).
 Known as "Rabbit guts" from red convolutions on top of rosette.
 Entire plant eaten raw by Paiutes.
S. Coll.

M 263 *Eriogonum*
 "White buckwheat"; "naka-donup".

M 264 *Heliotropium curassavicum* L. (?) *oculatum*
 "Wild heliotrope"; "tube-manabe"-(little puke).
 Plant 6-18 in. high; flw. white, tinged with pinkish lavender;
 no odor.
 Make tea of whole plant and drink for mild emetic.
 (Same as M 91.)

M 265 *Chaenactis douglasii*
 6-30 in. high; flw. many, yellowish white, sticky.
 Plant from which tea is made for rapid heart beats to slow
 them down; same use reported at Owyhee.

M 266 - M269. Near Nixon, Washoe County; 6/27/37.

- M 266 *Asclepias*
 "Big milkweed".
 Assoc: dock and *Asclepias mexicana*.
 Flw. red and pink, heliotrope scented; milky juice.
 Poisonous to lambs, but not fatal if treated in time.

- M 267 *Parosela polyadenia*
 "Ma-good-du-hoo".
 Assoc: desert mallow, *Chylismia*; sandy soil.
 Bush 1½-2½ ft. high; flw. bright lavender; plants full of insects.
 Steep lvs. as tea for colds. (Informant Mrs. Wee^{le} at Fallon). Scrape glandular dots off and powder for application to sores. Get it in the fall when it is full of ripeness. Informant: Gilbert Natchez. "Ma-go-te-hupi" according to Natchez.

- M 268 *Asclepias mexicana*
 "Slender milkweed".
 3-4 ft. tall; flw. white to pale pink; root ½ in. thick.
 This is the plant used by Trinity Co., California Indians as poultice for rattlesnake bite.

- M 269 *Mentha penardi*
 "Peppermint"; "paquanah"(P).
 1½-2 ft. tall; flw. pink lavender; aromatic lvs.
 Dry the lvs. and make tea for babies' gas pains; also put a lv. up your nose to break up a cold.

M 270 - M 278. 2 miles S of Nixon, Washoe County; 6/30/37. Near sand bluff in loose sandy soil; assoc: wild peach; *Chylismia*, greasewood.

- M 270 ~~*Rumex hymenosepalus?*~~ *Polygonum sp.*
 "Sand dock"; "tua-ono-gibu", "tuha-konobe", "pa-no-sa-mobe" (reported from Fallon).
 2-3 ft. tall; lvs. 1-3 in. long; plant not very erect; has red root, usually about 6-12 in. long, running underground. Root scraped, dried, ground and put on sores; also steeped and drunk for cold. Fallon: (Root dried in sun; reduced to powder. Sores washed. A little water added to powder and applied with clean rag to sores).
Root Sp.

- M 271 ~~*Mirabilis laevis*~~ *Allionia sp.*
 "White four-o'clock"; "little hewovey".
 Spreading plant; flw. white; root when peeled is whitish. Root powdered to put on sores; tea made for headache and hair wash; boil with Todsa and drink tea for lung trouble or dropsy.
Root Sp.

M 272 *Artemisia tridentata*
 "Sagebrush"; "sawabae".
 Shrub 5-6 ft. high;
 Tea made from lvs. for colds; also eaten raw for same purpose;
 tea called "Zu-top".
Lvs. in envelope.

M 273 *Rosa chrysoarpa*
 "Wild rose"; "tsiavi".
 Shrub, 3-4 ft. high;
 Ripe seed used for beads; inner bark used as tea for colds.

M 274 *Prunus andersonii* N.H.S.
 "Tsanavi".
 Shrub 3-5 ft. high.
 Tea made from lvs. for beverage and for cold.
S. Coll.

M 275 *Sisymbrium*
 "Mustard"; "at-sa", "boina"(P); "et sa"(S).
 2-2½ ft. tall;
 Seed roasted, then water is added and cooked into a pudding.
 Seed put in basket with hot rocks and stirred, then ground,
 water added.
Seed and S. Coll.

M 276 *Smilacina stellata*
 "Lily of the valley"; "tsini-bube"(P).
 Plants 3-3½ ft. tall.
 Pound root and apply raw for swelling.

M 277 *Artemisia gnaphalodes*
 "Wormwood"; "pabui sawabae"(P).
 Slender plant, 1½-3 ft. high; wormwood odor.
 Lvs. used as liniment; tea for spring tonic; also to put in
 eyes.

M 278 *Apocynum cannabinum* L. *hypericifolium*
 "Indian hemp"; "we-ha"(P); "enga-wana"(S).
 3-4 ft. tall; has spindle-shaped seed pod.
 After frost, outer coating drops down and can be stretched
 and rolled into string as strong as fish line which it re-
 sembles. Indian gum is made from this; chew broken stalk
 where milk comes out; take it out of your mouth; roll it in
 your hand and when it gets good you can chew it. Paiute
 name for gum is "See-koop".
Bark sample for string in envelope.

M 279 *Prunus*
 "Choke cherry"; "daw-sabu"-(jelly); "daw-asha-bai"-(fruit).
 Near Nixon, Washoe County; 6/30/37.
 Shrub 6-8 ft. high; flw. white.

M 279 Prunus-Cont'd.
 Fruit used as food; mash, extract kernels and pat in rounds,
 dry on basket, give babies for stomachache; also cooked with
 wild sunflower "Ah'Kerh", seed ground and made into pudding.
 For jelly, equal parts choke cherry, apple juice and sugar;
 boil until it jells--.

M 280 - M 282. 2 miles S of Nixon, Washoe County; 6/30/37.

M 280 Ceanothus?
 "Buckbrush"; "wee-poya", same as "hoopaye"?, also "wapui".
 Dried berry specimen from Fallon Indian School; shrub about
 6-8 ft. high; bears red berries. Commonly grows in canyons
 or by a seep.
 Boil berries till soft and sift seed out, add a little flour
 to make thick, used as food.

M 281 Salix
 "Willow"; "tsube"; "tsube-ha"-(willow sugar)(P).
 Small trees 8-10 ft. high; along water course.
 Honeydew (exudation ?) forms on lvs. which floats when thrown
 in water and is drained off. This is taken as a laxative.

M 282 Populus
 "Cottonwood"; "sinnabe"(S).
 Large trees, along ditches and streams.
 Valued as shade for fuel and posts.

M 283 Pinus N.H.S.
 Pine nut sugar; "behabe"-(pine nut sugar). "Tuba-peha"(P)
 this term also used for sugar cane.
 From Nixon collection, Nixon, Washoe County; 6/30/37.
 Looks and tastes like sugar pine sugar and probably came
 from California.
 Known to be a laxative.
Spec. of sugar in packet.

M 284 Ephedra N.H.S.
 "Indian tea"; "Tsurupe"(P) & (S).
 Nixon School collection, probably came from near Sutcliffe,
 Pyramid Lake region, Washoe County; 6/30/37.
 Bushes about 2-3 ft. high.
 Tea made from twigs as beverage; cook down thick and drink
 for colds; also used as remedy for kidney trouble. For
 sores: grind the brush, wash the sore and put on the yellow
 powder; it hurts a little but sore will get well, ("Ka-wan-
 nat-us-wape" name given by Nixon children).
Spec. of stems in packet.

M 285 N.H.S.

"Pine cone orchid"; "a'ne".

In collection at Nixon, Washoe County; 6/30/37.

Probably came from California; described as raising earth at foot of pine trees. Common near Hoopa, California.

Tea made from fresh or dry roots given for severe colds or pneumonia; also used this way in California.

Spec. in manila envelope.

M 286

Leptotaenia *multifida*

"Mt. parsley"; "todsa"(P) & (S).

On mountains near Nixon, Washoe County; 6/30/37. El. 4,500 ft.

Plants 2-3 ft. high; flw. yellow.

For treating sores; cut fresh root and immediately scrape off oil which appears and apply to sore. For bad disease boil root and drink tea; this may be from dry root; also mix fresh root with root of sand dock (fresh), boil and drink.

For distemper in horses: let him run a little, so he will breathe hard; put bits of todsa on hot charcoal; put a sack over horse's head and the todsa under his nose so he must inhale aromatic fumes. This will cause him to snort and cough out all the stuff that is in his head.

Also, mix with Indian tobacco and smoke for cold; is then called "todsa-pahmo".

Roots for H. Spec.

M 287

Chylisma N.H.S.

2 miles S of Nixon, Washoe County; 6/30/37.

Up to 25 in. tall; attractive flw.

Seed specimen in bag.

Seed.

M 288

Rumex

"Dock", "Indian rhubarb"; N.H.S. "pawia", "pawiup".

Locality same as M 287.

Large plants; seeding generously.

✓ Root used as blood purifier; tea from root; mash root to a pulp and rub on for rheumatism.

Seed and S. Coll.

M 289

Aralia? *Veratrum*

Location not known; obtained at Nixon School; 6/30/37.

Brought from Bishop, California as tuberculosis medicine.

Tea from this root kept continually on stove and drunk in lieu of water.

Aromatic when fresh; called Indian sarsaparilla.

Root Spec. in envelope.

M 290 Aralia? N.H.S. *Veratrum*

"Pa-ca-ge-vie"(P).

Given by Nixon School, Washoe County; 6/30/37. Collected by children two years ago.

tion No informant except that it is "medicine". Probably not Todsa, Aralia or Hewovey, and the two smaller roots are probably not the same as the larger one. (Harry Sampson says M 289 and M 290 are the same and that root pulverized for sores, make tea for colds.)

Root samples in envelope.

M 291 Quercus N.H.S.

Same source as M 290. Probably brought in from NE California, as some of these Palutes are married to Pit River women;

Food. Indian recipe for acorn soup: Shell the acorns and grind them in a mortar; sift the meal, regrinding coarse particles; make a mattress of wild hay, spreading thin cloth over it; spread acorn meal on top of the cloth; tie more hay together in cloth and put on top of acorn meal; pour lukewarm water over the hay gradually raising the temperature to boiling point; this washes away the bitter taste; do this until meal turns pink; then hang it up in cloth to drain; when drained cook with hot water for soup. California Indians do this, substituting incense cedar twigs for hay.

Same acorns are used by Indians of Sherwood Valley, California, Pomo Tribe, and meal is made in same manner. In that locality is a blood red earth which is added to the meal, about 1/3 earth to 2/3 meal; it is mixed quite stiff and baked in round loaves for bread, in ashes, long baking; loaves wrapped in fern lvs.; turn a brilliant black and with lv. imprint on them look like lumps of fossil coal. Bread is exceptionally sweet and good for intestinal disorders.

Acorns in envelope.

Indian : Col-
Plant : lect-
Project: or's
Number : Number

M 292-318. N.H.S. Data only given for these numbers.

7122 M 314 Cornus N.H.S.
"Dogwood"; "Badosanich" (W)
Shrub, 8-15 ft. high; lvs. bright green, bark red; Flw.
white, in flat topped clusters. Canyon back of Genoa, Douglas
Co., Nevada, El 4500 ft. 7/9/37. Seed.
Indian use: long straight stems used in basketry for baby
cradles.

M 315-346. N.H.S. Data only given for these numbers.

M 347-354. Miller Creek on Owyhee Reservation about 10 mi. N of
Owyhee P.O., Elko Co., Nevada. El. 5500 ft. 7/24/37. Idaho-Nevada
border region.

7123 M 347 Rosa ; "Tsiavi" (P&S)
Shrub, 3-5 ft. high; rocky soil along ditch.
Indian use: tea from inner bark used for colds. (Very old
fashioned Indians just across Idaho border.)

7124 M 348 Calochortus
"Sego lily"; "Sego", "Segaw" (S), "Kogi" (P).
Indian use: Bulbs dug in early spring when other food was
scarce. (Bulb is said to have saved lives of early Mormon
settlers who in gratitude made it their State flower.)

7125 M 349 Aconitum
"Aconite or Monkshood"; 6 ft. high; flw. deep blue, white
in throat; root and seed said to be poisonous.

7126 M 350 Aquilegia
"Columbine"; "Pah wha na habu" (P)
2-3 ft. tall. flw. red and yellow.
Flws. used as Talisman in gambling; seeds crushed when ripe
for perfume. (t)
Seed

7127 M 351 Oenothera
"Evening primrose"; "Big Kuha" (P), "Koat sa dabe buha" (P)
"Yaw no tonega"--yellow flower--(P)
"E-bee"-- he sleeps--(S)
18-24 in. high; flw. bright yellow, some fragrance, blooms
at night; gravel or poor soil.
"E-bee"--he sleeps--(S) alluding to night blooming and day-
time sleeping.
Indian use: seed parched and used as pinole.
(Possibly this plant is the gambling medicine mentioned at
Saburs and has a light burning at night by it. Dig next
day. Attracts deer and repel snakes by wearing a bit of
root on the shoe" Apparently plant is phosphorescent.)
L. Miller.

7128 M 352 *Hypericum scouleri*
 "St. John's Wort"; 5-6 in. high; flw. canary yellow.
 Indian use: whole plant used as tea for eye wash by
 Shoshones.

M 353 N.H.S. Data only.

7129 M 354 *Mimulus*
 "Monkey flower"; "Undavichquana" (S) -- Roper's relief.
 Miller Creek, Owyhee reservation, Elko Co., Nevada, 7/24/37.
 18-20 in. high; flw. yellow, red spots in throat.
 Indian use: poultice of fresh leaves applied to thumbs
 that have been cut by rope.

7130 M 355 *Alisma plantago*
 "Water plantain"; 2-3 ft. high; flw. white. In ditches
 near town of Owyhee, Elko Co., Nevada; el. 5400 ft.,
 7/24/37. Soil black, almost adobe.
 Indian use: lower part of plant and root formerly eaten.

M 356-359. Near Hot Butte, about 12 mi. W of Owyhee, Nevada, Elko Co.
 7/24/37. El. 5700 ft.; soil, desert, lava rocks; sagebrush, rabbit
 brush and rattleweed assoc.

7131 M 356
 "Prickly gilia"; 8-13 in. high; browsed in spring despite
 prickliness.

7132 M 357 *Tetradymia canescens inermis*
 "Rabbitbrush"; "See-babe" (S), "Soanatesua" (P)
 Shrubs, twisted leaves. (Not sure yellow flower is the right
 one--know the dry one is--Murphy). Accused of stock poisoning.
 Indian use: tea from leaves for colds, also for diarrhea.

7133 M 358 *Castilleja*
 "Doo wan day em" -- Snake's friend (S)
 "Taqua Winnop" -- Snake distils poison from (S) Held in great
 reverence.
 12-18 in. high; flw. bracts tipped with yellow.
 "A love charm is counteracted by a philter made by
 medicine man. The rattlesnake extracts his poison, which
 is in the charm from this flower and the medicine man has
 to get the antidote from the snake, before the charm can
 be lifted. An elderly Indian gave a charm to a young girl
 who fell desperately in love with him. The parents found
 out about the charm and got the medicine man to work against
 the elderly Cupid, which he did by means of his antidote.
 This occurred while I was in Owyhee, but I could not find
 out about the charm--just what it was"--Murphey.

7134 M 359 *Artemisia*
 "Wormwood"; "Ko-se-wiup" (P), "Pava-hobe" (S)
 Flw. yellow.
 Indian use: Packets of steamed plants placed on limbs for
 rheumatism, or bruised fresh plants used in same way.

7135 M 360 Amelanchier
 "Service berry"; "Tuave" (S), "Tuave-wehova" (P)
 Shrub 6-7 ft. high; frt. red turning blue. In lava rocks
 on hillside near Owyhee Indian agency; 7/25/37.
~~Berries used for dye. Fruit for dye.~~ Elko Co.

M 361 Omit.

7136 M 362
 "Snowberry"; "Pam-big'ama" (P) Elko Co.
 Near Hot Butte, 12 mi. W of Owyhee, El. 5700 ft., 7/24/37.
 Lava rocks, desert soil. Shrub 2-3 ft. high; flw. pink;
 frt. waxy white.
 Indian use: Plant is cut down in fall so that long shoots,
 very straight may come up to be used for bird arrows by
 little children.

7137 M 363 Compositae Elko Co.
 "Sunflower"; (no Indian name given by Indians).
 Near Hot Butte, 12 mi. W of Owyhee, El. 5700 ft. Lava rocks,
 desert soil, 7/24/37. 2-3 ft. tall. flw. yellow.

7138 M 364 Pentstemon deustus?
 "Tu pasi wap we" (P); "Poohinatesua" (S)
 Streets of Owyhee, Elko Co., 7/26/37. Lava rocks in poor
 soil. 6-8 in. tall; flw. pink and white.
 Indian use: tea from plant for general physic; used also as
 eye wash.

7139 M 365 Lepidium draba
 "White top". Near Owyhee, Elko Co., Nev. 7/26/37. El. 5400 ft.
 18-24 in. high; flw. white; troublesome weed; meadows.
S. Coll. and Seed.

M 366-369. Papoose Creek; about 10 mi. from Owyhee agency in Idaho,
 7/26/37. El. 6000 ft.

7140 M 366 Gilia aggregata
 "Trumpet phlox"; "Para gibe" (P), "Wive", "Enga-mowanna" (S)
 Indian use: whole plant steeped, for blood disease by Paiutes;
 not used by Shoshones.

7141 M 367 Veratrum
 "Wild corn", "Skunk cabbage"; "Tubassop", "Wanda vassop",
 "Wanda vasa" (S)
 8 ft. high; flw. green white.
 Indian use: Roots crushed as poultice and applied to snake bite
 (S). Raw root is chipped and rubbed on sore throat
 or neck glands.

7142 M 368 *Paeonia brownii*
 "Wild peony"; "Kowa-tama", "Batipava" (Burns Colony, Oregon),
 "Batipi" (Owyhee (P)); "De vas"-seed (S).
 Seed steeped and tea is drunk before each meal for kidney
 trouble. Seed is also roasted and eaten. California Indians
 steep the root for colds.
S. Coll. Seed. Root.

7143 M 369 *Elymus*
 "Big bunch grass", "Rye grass"; "Papa'wahabo" (P); "Piasonib",
 "Viasonib" (S). 3-4 ft. high.
 Seed is still ground and used by old people.
Seed.

M 370-374. Owyhee valley and foothills, Elko Co., Nevada, 7/26/37. El. 5500
 ft. Soil rather rocky, some sand.

7144 M 370 *Cirsium*
 "Thistle"; "Thin'na" (S); "Koida" (P).
 2-3 1/2 ft. high; flw. straw colored or pale pink.
 Whole plant is pulled and peeled, has a crisp pleasant taste,
 eaten raw. Spring food.

7145 M 371 *Menthaceae Mentha pensardi*
 "Peppermint"; "Paguana" (S)
 Flw. lavender.
 Tea to reduce fever in children, and for indigestion and gas pains.
 Pour first water off.

7146 M 372 *Ribes*
 "Bear currant"; "Wood-un-de-kan", "Tsapuwi" (P).
 Shrub, 2-4 ft. high; frts. smooth, orange colored.
 Shoshones say that too many of these fruits are emetic and
 avoid them.
Seed

7147 M 373 *Orchidaceae Corallorrhiza maculata*
 "Coral root". 18-20 in. tall; plant dark red; saprophyte.
 Stalks are dried whole if possible and bits are used in pneumonia
 tea; supposed to build up the blood. The "snow plant", *Sarcodes*
sanguineanum, is likewise used-probably due to the red color.

7148 M 374 *Gentiana*
 "Blue gentian". 9-12 in. high; flw. deep blue.
 Root used in tincture as bitters, formerly. Also used in mild
 intermittent fevers.

7149 M 375 *Apocynum androsaemaeifolium*
 "Indian hemp";
 12 mi. from Owyhee, Elko Co., Nev. 7/26/37. Flw. pink. Growing in
 Indian medicine district on hillside, brought in by old Indian.
 Valuable string plant to California Indians. No use as yet found
 by Nevada Indians.

7150 M 376 *Abies* ^{concolor} "Wungobe" (P&S)
 "Balsam fir"; trees 30 ft. high; on northern slope,
 Papoose creek, 10 mi. from Owyhee agency in Idaho; 7/26/37.
 Indian use: tea from needles is valued in pulmonary
 troubles, resinous blisters on bark are also collected and
 added to the brew.

7151 M 377 *Alnus*
 "Alder"; "Hoowi-up"??
 Fawn Creek near Owyhee, Elko Co., Nevada, 7/28/37. On
 creek bank; rich soil.
 Indian use: inner bark used to dye basket-grass, orange.
 (Hoopa and Klamath Indians of Calif.)

7152 M 378 *Mentha*
 "Spearmint". Papoose Creek, 10 mi. from Owyhee Agency,
 in Idaho, 7/26/37. 3-4 ft. tall; flw. lavender; strong
 mint fragrance.
 Indian use: leaves steeped, first water poured off, next
 steeping is good; used for gas pains, upset stomach etc.
Seed

7153 M 379 *Astragalus*
 "Little loco". Meadows near Owyhee, Elko Co., Nevada,
 7/26/37. El. 5400 ft. 6-8 in. tall; flw. lavender-pink.
 Stock poisoning.

7154 M 380 *Eryngium alismaefolium*
 "Momonno Kaiyu" (P)
 Indians meadows or hills near Owyhee, Elko Co., Nevada,
 7/26/37. Sent in by Indians.
 Indian use: tea from whole plant cures diarrhea.

M 381-382. Papoose Creek, about 10 mi. from Owyhee, Elko Co., Nevada,
 7/31/37. Among lava rocks in poor soil.

7155 M 381 *Vagnera*
 "Wambona", "Shapui-tsi ni-bube" (S); "Eshadonup" (P)
 15-20 in. tall.

7156 M 382 *Osmorrhiza occidentalis*
 "Sweet anise"; "Bassowep", "Pasowep" (S)
 2-3 ft. tall; flw. white; root when bruised has strong licorice
 odor.
 Indian use: tea for colds from the roots (S); Roots and
 leaves steeped for de-lousing and to rid chickens of
 mites (P).

M 383 Data only

M 384 Omit

7157 M 385 Linum N.H.S. (See M 200)
"Flax"; "Quita woyumb", "Quez-on-quas", "Pochi-tonegezianga"
(according to Mrs. Coochem.) "Pochinatesua"(S)--eye medicine?
20 in. tall; flw. sky blue. Owyhee, Elko Co., Nev.,
7/31/37.
Indian use: poultice for swollen knee; tea from whole
plant including seed for diarrhea. Leaves used as poultice
for sore eyes.

7158 M 386 N.H.S. *Quamasia quamash* (Pursh) Cov. (Bulbs only)
"Camas"; "Pasigo"
Near Owyhee, Elko Co., Nevada, 8/2/37, el. 5400 ft. Heavy
soil, wet meadows. 18-20 in. tall; flw. bright blue.
Indian use: bulbs roasted in pits, eaten at once or peeled
dried and pressed into cakes for winter.

7159 M 387 Cornus?
"Osier dogwood"; "Quitich yana"(S); "Atsa-wish-danabu"(P)
South of Owyhee, Elko Co., Nev., 8/3/37, el. 5400 ft.
Rich, deep loam.
Indian use: twigs for baby baskets.
Seed

7160 M 388 Lithospermum
"Stone seed"; (see M 203); "Notmisha"(S), "Nemesaw"(Elko Ind-
ians.) Owyhee, Elko Co., Nevada, 8/3/37. Roadside.
Indian use: for birth control; also tea for diarrhea made
from roots by Elko Indians.

M 389-390 Data only

7161 M 391
"Pink plumes"; "Pa-wa-rabish"(P)
10 mi. S. of Owyhee on road to Elko via Mountain City,
Elko Co., Nev. 8/3/37. El. 7000 ft.
Indian use: seed crushed for Indian perfume when ripe.

M 392-394. Owyhee valley, Elko Co., Nevada, 8/3/37. El. 5400 ft.

7162 M 392 Sambucus
"Elderberry"; "Hubu", "Koono-gibu"(P)
Shrub, 5 ft. high; flw. white; frt. blue; soil, rich
loam.
Indian use: Considered an unfailing sign of water; formerly
used for flutes and whistles.

7163 M 393 Nicotiana
 "Indian tobacco"; "Pwai-bamo" (S)
 2-3 ft. tall; flw. white-yellowish.
 Indian use: leaves stripped and dried and then smoked as tobacco.
Seed.

7164 M 394 Carum
 "Queen Anne's lace"; "Yamba" (S), "Ya-bah" (P).
 2-3 ft. high; flw. white; tubers about 3 in. underground, about
 1-1½ in. in size, oblong.
 Indian use: tubers eaten raw or if dug in June saved and dried
 to cook for winter.

7165 M 395 Thalictrum ^{sp}
 "Meadow rue"; "Esag'wena", "Pawaga" (P)
 10 mi. from Owyhee Indian Agency in Idaho. 8/3/37. El. 6000 ft.
 2-3 ft. tall.
 Indian use: seeds crushed for Indian perfume. Plant used to
 wash hair. Seed.

M 396-398. Owyhee, Elko Co., Nevada, 8/3/37.

7166 M 396 Umbelliferae *Cicuta occidentalis*
 "White todsa", "Valley parsley". 3-3½ ft. high; flw. white;
 said to have large carrot root; soil, black adobe.
 Indians call it "White todsa" and it is used in the same manner
 for cough medicine etc.

7167 M 397 Asclepias mexicana
 "Little milkweed"; 2½ ft. tall; flw. pale pink. Reported as
 stock poisoning. Dry ground.

7168 M 398 Prunus
 "Chokecherry"; "Dong es zip" (S) "Donem"---Seed; "Daw esh abai" (P)
 Shrub 18-20 ft. high.
 Indian use: Cherries are pounded, seeds and all, into flat
 cakes which are then dried. If jerky or dried beef is available,
 a little is sometimes pounded dry and added to make a sort of
 pemmican.

M 399-401. Skull creek, 8 mi. SE of Owyhee, Elko Co., Nevada, 8/1/37.

7169 M 399 Ribes
 "Wild currant"; "Bogumbe" (S), "Po-kops" (P).
 3½-4 ft. tall.
 Much used by Indians as jelly or jam.
Seed.

7170 M 400 Populus
 "Aspen"; "Sinnabe" (S)
 Trees, about 20 ft. high.
 Indian use; as fuel, posts etc.

7171 M 401 *Lupinus*
"Silver lupine"; "Weda-quanah" (S)
18-24 in. tall; flw. lavender.
Accused of stock poisoning.

7172 M 402
"Dwarf sagebrush"; "Sawabae" (P)
10 mi. W of Owyhee, Elko Co., Nevada, 8/2/37. Prostrate plant,
twigs about 5 in. long.
Seeds, bits of twig and leaves used medicinally as tonic tea.
S. Coll.

7173 M 403 *Salix*
"Willow"; "Kosi-tsube". Harrison Pass, near Elko, Elko Co., Nev.
8/8/37, el. 6500 ft. Short, stubby trees.
Indian use: in basketry.

7174 M 404
"Stickseed". Skull Creek, 8 mi. SE of Owyhee, Elko Co., Nev.
8/1/37. Purple dye is said to be made from root of this plant by the
Shoshone but only one woman could identify it by seed.

7175 M 405 *Umbelliferae*
"Tsoya", "Tsoga", "Tsorg". Obtained in the mountains above
Owyhee, Elko Co., Nevada, 8/3/37. Said to have a yellow
flower, similar to Queen Anne's Lace", but plant is closer
to the ground.
Tubers gathered and when dry, reground into flour. Highly es-
teemed and quite scarce. Brought in by John Paradise. Said to
grow at Buckhorn, Ruby Valley, Elko Co., Nevada.
Roots

7176 M 406 *Balsamorhiza sagitata*
"Balsam root", "Sunflower"; "Kosiak--means grey sunflower.
Skull Creek, 8 mi. SE Owyhee, Elko Co., Nevada, 8/3/37.
Seeds eaten when ripe, raw or roasted; roots steeped for emetic.

7177 M 407 *Compositae* N.H.S.
"White sunflower"; summit between Elko and Mountain City, Elko
Co., Nev. 8/4/37. (See M 225)
"Pe-ak", "Pe-ik"--name given by Jennie Hall.
Ripe seed ground, made into pudding, sometimes sweet fruited
juniper berries are added.
Seed

7178 M 408 Compositae *Wyethia amplexicaulis*
 "Sunflower"; "Hape"
 10 mi. S of Owyhee, on road to Elko via Mountain City, Elko Co., Nevada, 8/4/37. El. 7000 ft. (Same as M 228).
 Plant 2-3 ft. high; flw. pale yellow.
 Root and seed said to be edible. Name is probably "Hape" but one woman identified the seed as belonging to "Ah-kerh" the root is known to be an emetic.
Seed

7179 M 409 Zygadenus NHS
 "Death camas"; "Dabi-segaw" (S), "Kogi-a donup" (P). (same as M 213)
 In Owyhee valley, Elko Co. Nevada, 8/4/37.
 Indian use: bulb mashed raw with tobacco for poultice for sprains or swellings.
Seed

M 410 Omit

M 411-412. 45 mi. S of Elko, enroute to Harrison Pass, Elko Co., Nevada, el. 5500 ft. 8/8/37. Poor soil.

7180 M 411 Nicotiana
 "Indian tobacco"; "Newa-baho" (S)
 2-3 ft. high; flw. pale yellow.
 Indian use: leaves and seed stripped from stem and dried in shade, and smoked as tobacco.

7181 M 412 Argemone
 "Thistle poppy"; "Tsegida" (S)
 2 ft. high; flw. white. Roots dried and used for toothache.

7182 M 413 *Lithospermum ruderale*
 "Stone seed"; "Nemasaw" (S). Ruby valley, Gardner ranch, Elko Co., Nevada, 8/8/37. El. 5500 ft. decomposed granite soil.
 12-18 in. high; seeds pearly/
 Indian use: root is dried and tea from it taken for diarrhea. ("Hotmisha" at Owyhee is same thing.)
 A.S.

M 414-415 Data only.

7185 M 416 *Angelica breweri* "Tapeka" (S)
 Ruby Valley, Gardner Ranch, Elko Co., Nevada, 8/8/37.
 3-4 ft. high; flw. bright red; bought from Broncho Charlie.
 Indian use: boil root and drink for venereal disease; wash with it too. Root.

M 417-418. Ruby Mts. above Gardner ranch, Elko Co., Nev. 8/8/37. El. 6000 ft. Sandy granite soil.

7184 M 417 Leptotaenia
 "Indian balsam"; "Todsaa", "Doza" (S)
 (Cont'd.)

7184 M 417 Leptotaenia CONT'D

24 in. high; flw. yellow; large carrot-like root which when out exudes aromatic oil.

Indian use: root is carefully dried in sections. Fresh oil is caught and one drop put into each eye for trachoma or for gonorrhoeal eyes.

Chips, smoked or steeped for colds, asthma etc.

Root.

7185 M 418 Umbelliferae

"Wild celery"; "Biaboga" (S)

Indian use: split root, cover with whiskey and boil for whooping cough, 1/2 teaspoon for child. Top is also edible.

Root

M 419-421. Secret Pass, 35 mi. E of Elko, Elko Co., Nevada, 8/8/37.
El. 5500 ft.

7186 M 419 Veratrum

"Skunk cabbage", "False hellebore"; 4-5 ft. high.

"Wundavassop" (S)

Indian use: tea made from cured root taken over a period of months ensure sterility for life. Birth control plant. Roots, mashed raw, also used for poultice for snake bite.

Reported as cattle poisoning, due to larvae which feed on the seed.

M 420 Data only

7187 M 421 Achillea

"Yarrow"; "Pannonzia" (S), "Todzi-tonega" (P)

18-24 in. tall; flw. grey-white.

Indian use: root used for toothache; plant boiled and applied as poultice for pain or felon.

M 422 Data only.

M 423-424. 60 mi. S of Elko, Elko Co., Nev. 8/7/37. Road to Harrison Pass, granite soil, boulders.

7188 M 423 Juniperus

"Juniper"; "Sammabe" (S), "Wapi" (P)

Tree 20 ft. high; frt. blue-green.

Indian use: tea from leaves for colds, and swellings and kidney trouble.

7189 M 424 Pinus

"Tuba" (S&P) 10-15 ft. high.

Indian use: nuts used for food, cooked whole and then ground for flour, or water added for soup.

M 425 Data only

7190 M 426 Asclepias

"String milkweed" "Esha wana" (S). 70 mi. S of Elko, Ruby Valley, Elko Co., Nev. 8/8/37. After frost, fibre is used to make string, which is like fishline.

7191 M 427 *Opuntia*
"Prickly pear"; "Wo-gay-be"(S). Ruby Mts. above Gardner ranch,
Elko Co., Nev. 8/7/37. El. 6000 ft. Granite soil.
Indian use: in early days, thorns were burnt off and
cladules food.

↑ roasted for

7192 M 428 *Grindelia*
"Sgnaka-Para"(S). 45 mi. S of Elko, enroute to
Harrison Pass, Elko Co., Nev. 8/8/37. El. 5500 ft.
18-24 in. high.
Indian use: steeped for cough medicine; also taken in similar
manner for dropsy and smallpox.

M 429-430 Data only.

7193 M 431 *Tetradymia?*
"Rabbit brush"; 60 mi. S of Elko, Elko Co., Nevada, 8/8/37.
Road to Harrison Pass. Granite soil, boulders.
Said to be sheep poisoning, especially in spring when sheep
eat plant, root and all.

M 432 Omit

M 433-439. 60 mi. S of Elko, Elko Co., Nev. 8/8/37. On road to Harrison
Pass; granite soil, boulders.

7194 M 433 *Gilia aggregata*
"Enga-mowanna"--Red flower (S). Flw. scarlet.
Indian use: used for physic and blood purifier by Paiutes, has
also been adopted by Shoshones.

7195 M 434 *Rosa*
"Wild rose"; "Tsiavi"(S&P)
Indian use: tea from roots for cold and beverage. Yellow dye
from inner bark.
Seed.

7196 M 435 *Chrysothamnus nauseosus*
"Gray rabbit brush"; "Sossop"(S), name also applied to white sage.
Leaves stripped and steeped for tea--for use for colds etc.

7197 M 436 *Berberis*
"Oregon grape"; "Kawdanup"(P); "Sagotlambuh"(S)
Up to 10 in. high.
Indian use: "Big blood medicine and valuable in causing blood
to clot in bloody dysentery."
Roots

7198 M 437 *Artemisia* *g-naph*
"Yonewood"; "Kavahobe"(S)
~~24-30 in. high; flw. yellow.~~ 24-30 in. high; flw. yellow.
Indian use: tea and steam bath for young girls reaching maturity--
taken inwardly and applied externally.

7199 M 438 Purshia
"Antelope brush"; "Sunabe"
Indian use: inner bark used for tea for measles.

7200 M 439 Tetradymia
Shrub; flw. yellow.
Indian use: leaves stripped in fall and tea made for colds.
Reported as stock poisoning in spring.

7201 M 440 Artemisia
"Big sagebrush"; "Bawhobe", "Pahobe"(S); Ruby Valley, Gardner
Ranch, Elko Co., Nevada, 8/8/37, el. 5500 ft. Decomposed gran-
ite soil. 6-7 ft. high.
Indian use: leaves steeped in hot water to lay on inflamed eyes;
drink tea from leaves for cold. In early days the very fine
seed was gathered and tossed into a basket with drying coals;
the tiny husks were blown away and the seed eaten.

M 441 Omit

7202 M 442 Lyelium
"Weyumb"(S). About 30 mi. S of Elko, near Death,
Elko Co., Nev. 8/8/37. Near an Indian settlement, along
stream. Shrub, tall, 20 ft. high.
Indian use: in Sept. berries are made into jam and jelly or
eaten raw.

M 443-446. Ruby Valley near mountains, Elko Co., Nevada, 8/8/37.

7203 M 443 Juniperus
"Juniper"; "Wapi"(PAS); 3-4 ft. high.
Not in favor with Indians, not used as medicine.

M 444 Omit

7204 M 445 Elymus
"Wa'abe"(S). 3 ft. tall.
Indian use: seed eaten in time of famine. Not relished.

7205 M 446 Arnica? *Semio* sp.
"Cut leaf arnica". Harrison pass, near Elko, Elko Co., Nev.,
8/8/37. 3-5 in. tall; flw. bright yellow.
Indian use: leaves, when green, and roots washed raw, are
used as liniment for rheumatism.

M 447 Data only

7206 M 448 Nicotiana N.E.S.
"Indian tobacco"; "Pwui-bamo"(F), "Nawa-paho"(S).
Above Gardner Ranch, Ruby Mountains, Elko Co., Nevada, 8/8/37.
18-24 in. high.
Indian use: Plant gathered when ripe, dried in shade and
thrashed to smoke for pleasure.
Seed

M 449-457. Vicinity of Austin, Lander Co., Nevada, 8/13/37. El. 8500 ft.
Decomposed granite soil.

7207 M 449 Juniperus
"Juniper"; 10 ft. high.
Indian use: fuel and fence posts etc.; not used medicinally.

7208 M 450 Juniperus
"Wapi-tonoga" (name applied to the gall, means juniper flower; also
to moss which grows on Juniper).
Indian use: Galls dried and used to smoke buckskin.

7209 M 451 Pinus
"Winnup"--tree(S); "Tuba"--tree, "Tubape"--nuts(P)
Nuts are still valued addition to Indian diet; ground to make
gruel for infants as substitute for mother's milk.

7210 M 452 Prunus andersonii?
"Wild peach" "Tsanavi". shrub 3 ft. high; flw. pink.
Indian use; tea made from leaves for beverage.

7211 M 453 Amelanchier
"Service berry"; "Tuave"(?) shrub 6-7 ft. high; flw. white;
frt. blue.
Frt. used to make purple dye in some places but not here.

7212 M 454 Tetradymia *Chrysothamnus nauseosus*
"Gray rabbitbrush"; "Seebape"(S). Shrub 2-3 ft. high; flw.
yellow.
Indian use: leaves stripped and boiled for physic. Formerly
stems used as combs, and old Indian saying is that "when
rabbitbrush is yellow with flowers, pine nuts are ripe".

7213 M 455 Nicotiana
"Boowe-paho"(S).
Indian use: when seed is ripe, whole plant is thrashed and
smoked as tobacco.

7214 M 456 Leptodactylon *Arenaria* sp
"Prickly phlox"; "Saga donzia"(S)--name applied to Stansbury
phlox, probably means, prickly flower".
Indian use: tea from leaves for eye trouble.

7215 M 457 Wentzelia laevicaulis
"Blazing star"; "Sig Ku-ha"(P); 18-30 in. tall; flw. yellow.
Indian use: Paiutes, in some places eat the ground seed.

M 458-462. Tope Roger's Ranch, 50 mi. S of Austin, Lander Co., Nevada,
8/15/37. El. 8000 ft. Smoky Valley.

- 7216 M 458 *Tanacetum*
 "Tansy" 2-3 ft. high; flw. yellow, lvs. strong odor.
 Indian use: learned use from whites--tea from its leaves is
 valuable in suppressed menstruations; a young girl's medicine.
- 7217 M 459 *Plantago* *major*
 "Plantain"; "Woodie" (S)
 raw leaves mixed with wild clematis leaves M 460 and applied
 to wounds or bruises.
- 7218 M 460 *Clematis* *ligustrifolia*
 "Wild clematis"; "Esha wana"--it is a net (S), "Esagwena"--
 wolf trap, referring to trailing stems. [P]. (See M 459 for use.)
- 7219 M 461 *Tetradymia* *canadensis*
 "Gray rabbit brush"; "Sec-bape" (S)--also applied to green rabbit-
 brush. "Ange-tabishapi" (S)--is name for this plant only.
 2-3 ft. high; on mountainside.
 Indian use: leaves and blossoms stripped and dried for med-
 icine i.e. as tonic tea.
- 7220 M 462 *Artemisia* *tridentata*
 "Sagebrush"; "Ba'nabe" (S); "Bawlumbe". 1-2 ft. tall; odorous.
 Indian use: tea for beverage and general tonic. Valuable for
 forage, fuel etc.

M 463-465. 10 mi. S of Austin, Lander Co., Nevada, 8/15/37. El. 5000 ft.
 Smokey Valley road; clay and sandy soil.

- 7221 M 463 *Mentha* *perardi*
 "Peppermint"; "Baguana" (S)--also applied to spearmint.
 2-3 ft. tall; flw. pink-lavender.
 Indian use: herb dried and used as beverage--not considered
 medicinal.
- 7222 M 464 *Rumex*
 "Dock"; "Du-movee" (S). 3 ft. tall. (same as M 495)
 Seed for food in early days.
- 7223 M 465 *Sambucus*
 "Elderberry"; 3 ft. tall. Frt for food. California tribes use
 wood for dance whistles and clappers.

-
- 7224 M 466 *Pentstemon* *deustus*
 "Pentstemon"; "Sebu" (S). Smokey Valley, 50 mi. S of Austin,
 Lander Co., Nev. 8/15/37. 3-4 in. tall, dwarf.
 Indian use: root powdered and used for sores.

M 467-468. Floor of Smokey Valley, 20 mi. S of Austin, Lander Co., Nevada,
 8/15/37. El. 5000 ft. Loam and sandy soil.

- 7225 M 467 *Lycium*
 "Buckberry"; "Woyumb" (S). Shrub 15-20 ft. high; frts. taste
 like currants; grows in thickets. Eaten, raw, dried or
 cooked as pudding.

7226 M 468 *Tetradymia canescens*
 "See-bape"(S)--also applied to gray rabbitbrush.
 Shrub, 3-3½ ft. high; flw. yellow.
 Indian use: knots on stems is eagerly sought by Indians for gum
 which they contain.

7227 M 469
 "Evening primrose"; "Oha-yanga"(S)--used as gambling charm.
 Also named in Shoshone "Eppa"--he sleeps'--
 alluding to night blooming habit and day time
 sleeping.
 36 mi. SE of Austin, Lander Co., Nevada, 8/15/37. El. 8000 ft.,
 near Kingston Ranger Station.
 4-5 ft. tall.

M 470-474. Tobe Roger's Ranch, Smoky Valley, 50 mi. S of Austin, Lander
 Co., Nevada, 8/15/37. El. 6000 ft.

7228 M 470
 "Birch"; "Hoo wi-jup"--baby basket tree (S)
 Shrub 20-25 ft. high; trunk 8-10 in. diam.
 Indian use: long shoots peeled for making baskets, gathered in
 Sept.

7229 M 471 *Eurotia lanata*
 "White sage"(?); "Sissop"(S); 18-20 in. tall.
 Indian use: leaves and buds used to make tea for tonic and colds.

7230 M 472 Umbelliferae
 "Wild celery"; "Bogo"(S). 3-4 ft. tall.
 Indian use: seed used for flavoring.

7231 M 473 *Astragalus*
 "Woolly loco"; "Tada-ginobu"(S). 2-3 in. high.
 Known to be habit forming; stock poisoning plant.

7232 M 474
 "Loco"; "Go-putche"(S)
 Known to be stock poisoning.

7233 M 475 *Glossopetalon verdense*
 Tobe Roger's Ranch, Smoky Valley, 50 mi. S of Austin, Lander Co.,
 Nevada, 8/17/37. El. 6000 ft. Shrub 2-3 ft. high; ~~woody~~ stems
 and woody at base.
 Tea from leaves steeped for medicine, a very old remedy for run
 down people.

7234 M 476 Umbelliferae *Lium curtisii*
 "Wild parsley". Blue Springs, Smoky Valley, about 20 mi. from
 Austin, Lander Co., Nev. 8/15/37. El. 5000 ft. Rich, black, loam soil.
 Known to be poisonous, but root is crushed and applied raw for
 wounds or swelling.

7235 M477 *Sphaeralcea*
 "Desert mallow"; "Goina-Kumbe"(S)
 Tobe Rogers Ranch, Smoky Valley, 50 mi. S of Austin, Lander
 Co., Nevada, 8/15/37.
 Indians fear hemorrhage if they handle plant.

7236 M 478 *Oenothera*
 "Evening primrose"; "Mossippe".
 Near Kingston Ranger Station, 36 mi. SE of Austin, Lander Co.,
 Nevada, 8/17/37.
 Indian use: gambler's charm--seed vessels carried in pocket.

M 479-M488. Tobe Roger's Ranch, Smoky Valley, 50 mi. S of Austin, Lander
 Co., Nevada, 8/15/37. El. 6000 ft.

7237 M 479 *Populus trichocarpa*
 "Cottonwood"; "Singabe"(S)
 Tree 30-40 ft. high. Used as fuel etc. Inner bark steeped
 for tuberculosis.

7238 M 480 *Cornus*
 "Dogwood"; "Anga Kosidem", "Anga-coniup", "Hoo-wi-jup"(S)--baby
 basket tree.
 Indian use: long slender shoots peeled and used to make baskets
 for babies.

7239 M 481 *Pinus monophylla*
 "Pinyon"; "Winnup"(S)
 Trees 6-8 ft. high.
 Indian use: nuts for food; pine gum used on sores and boils.

7240 M 482 *Pentstemon deustus*
 "Dimbashego"(S). 4-6 in. high.
 Indian use: Mash raw leaves and wash gonorrheal infection
 with juice. (Also drink tea of "Si-heva"--Rockress.)

7241 M 483
 "Looc"
 Stock poisoning.

7242 M 484 *Nicotiana*
 "Pui-baho". 1-3 ft. high.
 Indian use: dry whole plant and smoke.

7243 M 485 *Lygodium Ptilonia squina*
 "See-Kope"(S)
 Indian use: chewed for gum, bubbles and knots of gum on
 plant and root.

7244 M 486 *Artemisia discumboides*
"Sweet sage"; 2 $\frac{1}{2}$ -3 ft. high; flw. golden.
Tea from leaves and flowers for tonic and laxative.

7245 M 487
"Birch"; 20-25 ft. high; bark brown with light horizontal markings.
New long shoots gathered for basketry; young bark, slightly aromatic, is chewed.

7246 M 488
"Sagup", "Tsube"
Indian use: for basketry--shoots out when bark begins to turn red in September. Shoots are peeled carefully and the red outside wound in coils. This is used in making the pattern of red or brown. Coils soaked in water before using.

M 489-498. Near Kingston Ranger Station, 36 mi. SE of Austin, Lander Co., Nevada, 8/17/37.

7247 M 489 *Cercocarpus ledifolius*
"Mt. mahogany"; "Turumbe"(S); "Toohe"(P)"
Tree, 15 ft. high, 1 ft. diam.
Indian use: inner or second bark is dried and used on sores--powdered first; tea from leaves.
Seed

7248 M 490 *Juniperus utahensis*
"Samnabe"--tree, "Sam-nape"(S)--berries.
Indian use: tea from leaves used for colds; frt. steeped for tea to check serious cases of hiccoughs.

7249 M 491 *Cirsium*
"Thinna"(S), "Koida"(P)
Indian use: plant in spring stripped of skin and eaten raw like celery; buds roasted,
S. Coll.

7250 M 492
"Mt. spray"; (~~No Indian name~~)
Shrub, 2 ft. high; flw. said to be cream white.
Indian used medicinally long ago.

7251 M 493 *Eriogonum*
"Wild buckwheat"; 15-20 in. high; flw. whitish yellow.

7252 M 494 *Iva axillaris*
"Durunzip"(S)
16-18 in. high; grows everywhere.
Indian use: tea made from boiled roots to check dysentery.

7253 M 495 *Rumex crispus*
 "Dook"; "Bija'noka". 3 $\frac{1}{2}$ -4 ft. tall.
 Indian use: seed formerly eaten; tea from seed and leaves for
 dropsical swelling; apply root raw as poultice.
Seed

7254 M 496 *Chrysothamnus?*
 "Gray rabbitbrush"; "Seebape"(S) and
 Indian use: leaves stripped after drying and steeped for tea.
 and flew.

7255 M 497 *Osmorrhiza occidentalis*
 "Sweet anise"; "Bossowey"; "Bossoquey"--around Elko, "Pasowoip"--
 around Ruby Valley, (S). 3 $\frac{1}{2}$ -4 ft. tall; on hill.
 Indian use: roots from this are used for tea for influenza and
 preferred to "Todsas", but not thought to be quite as good as
 "Bi-Neva" which is emetic after the third dose.

7256 M 498 *Helianthus*
 "Pa-ak" perhaps? Not "Ah-Kerk" or "Kosiak".
 Indian use: seed used when others fail, considered dry and
 tasteless.
Seed. S. Coll.

M 499-M 508. Near Kingston Ranger Station, 36 mi. SE of Austin, Nevada,
 Lander Co. Hl. 8000 ft., 8/17/37.

7257 M 499 *Aselepias*
 "Esha-wana"(S)
 Indian use: when frost comes, strip outer skin from plant, stretch
 it and roll on the knee with twirling motion of thumb. Results
 in string tough as fishline.

7258 M 500 *Artemisia* sp.
 "Sagebrush"; "Sanabe", "Bawiumbe"(S)
 Shrub 3-5 ft. high.
 Indian use: tea for colds and for physic made from leaves. Tiny
 seed was formerly eaten and is still mentioned regretfully by old
 timers.

7259 M 501 *Mimulus guttatus*
 "Yellow mimulus"; "Undavichquana"(S)
 Indian use: fresh leaves used as poultice for wounds or blood
 poisoning. Renew when dry.

7260 M 502 *Paeonia brownii*
 "Wild peony"; "Batipa"(S)
 1-2 ft. high.
 Indian use: powdered, dried and applied as an ideal remedy for
 burns or sores.
Roots.

7261 M 503 Aconitum
"Aconite"; 5-7 ft. tall
Stock poisoning plant.
Seed

7262 M 504 Gilia aggregata
"Trumpet phlox"; "Tea Paiute"(S)
2-3 ft. tall; flw. many colored; plant with skunk odor.
Indian use: plants steeped for quick, violent physic--used
cautiously, by Shoshones, as a borrowing from another tribe.
Paiutes use tea for venereal disease.

7263 M 505 *Barberis* *O. dentimon ripens*
"Oregon grape"; 4-6 in. long.
Indian use: orange colored root steeped until white and tea
drank continuously to purify the blood. It is said to thicken
the blood and prevent hemorrhage.

7264 M 506 Panicularia nervata?
"Manna grass"; 24-30 in. high.
Indian use: seed formerly gathered and mixed with bearded
wheat grass as food.
S. Coll.

7265 M 507 Gramineae NBS
"Bearded wheat grass"; 2-3 ft. tall.
Indian use: ground seed mixed with manna seed for food, cooked
into mash. (See M 506.)
Seed

7266 M 508 Umbelliferae - *Umbelliferae*
"Wild celery"; "Boga"(S) "Bia Bogo"--so called in Ruby Valley.
Indian use: tea made from roots for severe colds.
Seed. Root

7267 M 509 *Orobanche* sp.
"Indian potatoes"; "Ane"(P); also called "Coral root"
24 mi. SE of Austin, Lander Co., Nevada, 8/17/37.
Whole plant eaten raw or roasted. Dried and used as medicine
for lung trouble.

M 510- M 516. Near Kingston Ranger Station, 36 mi. SE of Austin, Nevada,
Lander Co. El. 8000 ft. 8/17/37.

7268 M 510 *Ephedra* sp.
"Durumbe"(S); About 18 in. high.
Tea from stems used as beverage or combined with tea from
Trumpet phlox for venereal disease.

7269 M 511 *Rosa*
"Tsiavi"(S)
Indian use: tea from dried leaves as beverage. Tea from root
for cold. Fruits dried and strung for beads.

7270 M 512 Petrophytum

7271 M 513 Chaenactis *Douglasii*

18 in. tall; flw. white; plant sticky.

Plant steeped for tea to slow down rapid heart beats by Indians at Ft. McDermitt, Humboldt Co., Nevada. No use in this locality.

M 514 - 515 Omit.

7272 M 516 Iris NRS *virginiana*

"Daw-see-doya" (S); 2 ft. tall.

Indian use: seed and root made into tea for venereal disease.

Seed

M 517-518 Omit.

7273 M 519 *Gilia congesta*

"Rock cross"; "Si-Heva" (S); "Hooni" (Eiko Indians).

Collected high up on the mountains of Smoky Valley, Lander Co., Nevada, 8/15/37. Samples were brought in by Indians and exact locations not given.

Indian use: considered best of all medicines for flu, both physic and emetic. Leaves and bits of stem are steeped to make tea and to apply to varicose ulcers or wounds which will not heal.

M 520 Omit

7274 M 521 Gramineae NRS

"Reed's canary grass"; Indian name (?);

Near Kingston Ranger Station, 36 mi. SE of Austin, Lander Co., Nevada. 81,8000 ft. 8/17/37.

2-3 1/2 ft. tall, in boggy ground.

Indian use: seed for food formerly.

Seed

7275 M 522 NRS

"Ergot on Aye and wheat grass.

Smoky Valley, 50 mi. S of Austin, Lander Co., Nevada, 8/17/37.

Indian use: a known abortifacient and its use frowned upon except in cases of childbirth when it is desired to bring on a flow of blood, and bring away the placenta if it has not appeared.

Flakes of ergot to amount of 1/2 teaspoon are dissolved in hot water or in Indian tea, "Durumbe", and given to the patient. Repeat if necessary in 4 hours, once only.

M 523 Omit

7276 M 524 Oryzopsis NRS

"Sand grass"; "Wey" (S). 6-8 in. high.

Smoky valley, 50 mi. S of Austin, Lander Co., Nevada, 8/17/37.

Indian use: ground seed used as food;

Note: two years ago 5 tons of this grass was gathered by Walker River Indians and sold for reseeded purposes to Ft. Hall, Idaho Reservation,

and various Indian Agencies.

Seed.

7277 M 525 Argemone NNS *insipida*
 "Thistle poppy"; "Tsa-gida" (S)
 Near Kingston Ranger Station, 36 mi. SE Austin, Lander Co.,
 Nevada, 8/17/37. 3 1/2 ft. high; flw. white.
 Indian use: seed ground and tea from it put on sore eyes.
Seed

M 526 Data only

M 527-533. Near Minden, Douglas Co., Nevada, 8/23/37. By roadside;
 sandy loam.

7278 M 527 Salix
 "Him-mo" (W); 10-12 ft. high.
 This species not used for basketry.

7279 M 528 Salix
 "Silver willow"; "Him-mo" (W). 6-8 ft. high; slender.
 Used by Washoe Indians for basketry, wickiups, arbors. Stems
 gathered when they turn red, in August. Formerly used for
 bow and arrows.

7280 M 529
 "Tule"; 6 ft. high.
 Used to build wickiups; reinforced by willows.

7281 M 530 Umbelliferae *Cicuta occidentalis*
 "Wild celery"; "Mo-zook-addas" (W)
 3-4 ft. tall, root like slender carrot.
 Indian use: mash root raw and boil thick for warm poultice.
 Use for stiff muscles or paralysis; drink tea twice daily of
 same.

7282 M 531 Typha
 "Cat-tail"; "Toiba" (W). 6 ft. tall.
 Indian use: tender ends of stalks eaten in spring. Formerly
 wool from cat-tails stripped and used for baby beds.

7283 M 532 Menthaceae *Mentha peruviana*
 "Peppermint". 20-30 in. tall; flw. lavender.
 Dried herb used for baby colic and as tea for indigestion.

7284 M 533 Gramineae
 "Manna grass".
 Formerly seed was ground and used for food.

M 534-557. Between 1-6 mi. W of Woodfords, Alpine Co., Calif., el. 6000 ft.
 8/24/37.

7285 M 534 Cirsium
 "Silver thistle"; 4 ft. high; flw. scarlet.
 Stalks stripped in early spring and eaten raw or cooked.
S. Coll.

- 7286 M 535 Juniperus
"Pa-al"(W). 5-7 ft. high, slender, conical.
Medicine man makes a crescent shaped bed of coals and throws juniper berries on it. In the ensuing vapor all is revealed, past, present and future. Fresh branches are thrown on stove and allowed to smoulder for fumigating purposes.
- 7287 M 536 Prunus
"Chokecherry"; "Twan-dut"(W); 18-20 ft. high; sandy soil.
Frt. used for jam and jelly; some dried in little cakes, pounded up seeds and all for winter use.
- 7288 M 537 Nicotiana *attenuata*
"Indian tobacco"; "Washoe banks"(W)
2-3 ft. high.
Indian use: leaves stripped when seed is ripe and dried in shade to smoke in pipes only. Also smoked for pneumonia, tea being made from "Todsá" and patient heavily covered to bring on sweat.
Seed.
- 7289 M 538 Cornus
"Osier dogwood"; "Badosañ ich"(W)
Peeled when seed are ripe and red bark saved to make red-brown pattern in baskets.
*Also called in Washoe "Do'binn'miss'pus'shamm"--think this refers to red bark being peeled and used for basketry.
Seed
- 7290 M 539 Argemone *hispida*
Flw. white.
Ripe seed ground and shampoo tea made from it--prevents user from getting gray hairs.
- 7291 M 540 Aconitum
4-5 ft. tall; flw. pale blue and white.
Poisonous to cattle and man.
Seed-Orn.
- 7292 M 541 Allium
"Tsaigaloo"(W) "~~tsiatak~~"(W)(pink onion)
3 ft. tall; flw. white?
Eaten sparingly, too much being emetic.
- 7293 M 542 Populus
"Quaking aspen"; tree 20-25 ft. high; white bark.
Fence posts and fuel.
- 7294 M 543 Apocynum
"Indian hemp"; 18-24 in. high; flw. pink.
Stems collected when seed is ripe; shreds readily, rolled on knee into half inch rope.

- 7295 M 544 Compositae
"Sunflower", "Mule ears"; "Tsugil" or "Tshugi"(W);
"Pe-ak"(Niko Indians).
2 $\frac{1}{2}$ -3 $\frac{1}{2}$ ft. high; flw. yellow.
Roots are burned in the house 'when thunder gets rough'.
*Note: "Balsam root" sunflower" called "Shugilatse"(W).
- 7296 M 545 Pentstemon
"Pink pentstemon". 6-10 in. high; flw. rose colored.
Seed. orn.
- 7297 M 546
"Deer charm"; "Ko-omb-hu"(W)
Indian use: root is best, but any part of plant is good to rub
yourself with, especially on legs, to attract deer.
- 7298 M 547 Umbelliferae
"Wild parsnip". 3-3 $\frac{1}{2}$ ft. tall; flw. white.
Root of plant used as raw poultice--no part used internally
Seed
- 7299 M 548 Umbelliferae
"Wild parsnip"; flw. white; similar to M 547 but Indians insist
two plants are distinct.
Root of plant used as raw poultice--no part used internally.
- 7300 M 549 Menthaceae *Monardella odoratissima*
"Horsemint"; "Paal-luwe-it"(W)
18-24 in. high; flw. white-gray; mint odor.
Indian use: for headache put piece up nose and rub on back
of neck; for cold or rheumatism make tea from dried leaves.
- 7301 M 550 Cirsium
2-3 ft. tall; flw. magenta.
Not used by Indians; rare in this area. Indians say seed was
blown in by cyclone a few years ago.
- 7302 M 551 Achillea *lamifolia*
"Yarrow"; "Kam-see"(W)
18-24 in. tall; flw. white.
Indian use: tea from roots for laxative; tea from leaves, ^{used for} a gen-
eral all purpose tea.
- 7303 M 552 Fragaria
"Strawberry"; Flw. white.
Frt. for food.
- 7304 M 553 Gramineae
"Big grass"; 6-7 ft. high.
Heavier stalks used in early days for bows and arrows.

7306 M 554 Monocot.
 "Little Alpine lily"; "See-lat-aho" (W)
 3-3½ ft. tall; rhizome, ivory white; flw., like tiger lily, small.
 Indian use: rootstocks formerly gathered and roasted in a pit
 lined with sunflower leaves. Bitter but medicinal.
Bulbs

7306 M 555 *Sphenocladium capitellatum*
 "White pteryxia"; flw. white; lvs. compound.
 Indian use: root boiled and eaten. Not medicinal.

7307 M 556
 "Mountain ash"; berries scarlet.

7308 M 557 *Artemisia tridentata*
 "Sagebrush"; "Da-bel" (W)
 Indian use: tea from leaves made for bad colds. Indian medicine
 man bathes in tea made from it and decorates hair and costume
 with twigs of it when officiating

M 558 - M 560. Near Dresslerville, Indian colony, near Minden, Nevada,
 Douglas Co., 8/25/37.

7309 M 558 *Ephedra*
 "Mag-gel" (W); shrub 1-2 ft. high.
 Indian use: beverage made from dried twigs; also used for
 tonic in quantity, hot; for deferred menstruation or for thin
 blood.

7310 M 559 *Lygodesmia*
 "Gum plant", "Desert gum"; "Wa-ha-nane" (W)
 6-24 in. high; flw. pale pink; root is woolly and frequently
 has gum in small knots; also gum on branches.
 Indian use: children chew gum.
Seed

7311 M 560 *Rosa* sp.
 "Pat-sur-malle" (W); 3-4 ft. tall.
 Indian use: tea from roots for beverage; also tea made from
 outer bark for colds--this tea is red and much admired.
Seed

M 561 Data only.

7312 M 562 *Smilacina* ? *capitellata*
 "She-dimba" (W) near Lake Tahoe, 8/25/37.
 In wet places near Lake Tahoe, 8/25/37. Specimen bought from
 Sarah Mayo (Indian), location vague. No description of plant
 available. Women did not agree as to flw. color--blue or yellow?
 Indian use: grind into flour and apply to wound to check blood
 flow.
Roots

7313 M 563 *Veratrum? californicum*
"Skunk cabbage" (?); "Baduppa" (W)
Near Woodford's, Alpine Co., Calif., 8/25/37.
Flw. gray-white; root large and fleshy.
Indian use: make tea from this root for severe pains (not stomach-
ache); tea should not be too strong or it will prove emetic.
Root. (See G&H 1287)

7314 M 564 Umbelliferae *Angelica sp.*
"Sweet anise" ?; "Homo'mo dap'apele" (W) "Otsolich"--chipmunk food.
In wet places near Lake Tahoe, 8/25/37. Location vague.
Indian use: root is a flu specific--tea should be taken frequently
and hot; mix with "Todsa" for better flavor.
Root

7315 M 565
"Dunie"
Plant said to be low to ground. Obtained from Indian, Sammy Dick,
who brought it from Carson Pass, Douglas Co., Nevada, 8/25/37.
El. 8500 ft.
Indian use: tea is made from tubers, one to ^{two} tubers to a cup of
hot water--for blood purifying and general tonic.

M 566 - M 567. Near Woodfords, Alpine Co., California. 8/25/37.

7316 M 566 *Ceanothus velutinus*
"Mountain balm"
Shrub, 1-3 ft. high; sticky, spreading.
Indian use: tea from leaves for colds and lung troubles. Used
by California Indians, but not by Washoes.
Seed

7317 M 567 *Thalictrum NBS fendleri*
"Meadow rue"; "Taba-mlu" (W)
18-36 in. tall.
Tea from root for colds.
Seed

M 568 - M 570. Streets of Yerington, Lyon Co., Nevada, 8/27/37. Sandy loam
soil.

7318 M 568 *Apocynum?*
"Wisha" (P), "Wana" (S); "See-Kope"--is a name which means Gum plant
--milky juice gathered in the hand and chewed makes very good gum.
Plant 4 ft. high; stem red; flw. pink.

7319 M 569 *Heliotropium ornelatum*
"White fiddleneck"; "Tumanabe" (P);
Sprawling plant; flw. white.
Indian use: whole plant steeped as tea for emetic.

7320 M 570 Gramineae

"Magoko" (P)

6-7 ft. tall.

Indian use: woody stems formerly used for bows and arrows.
Six inch length used to make round dots on painted faces.

7321 M 571 Ephedra

"Tsurupe" (P) . Across Walker river about 2 mi. from Indian colony at Yerington, Lyon Co., Nevada, 8/28/37.

2 1/2-3 ft. high.

Indian use: young Indians use this as a beverage, but the old Indians declare that only the high mountain form is of medicinal value. The yellow Ephedra is good for everything if systematically taken, according to the Indians. It cures blood diseases and venereal diseases. Mixed with bits of "Todsá" (Leptotaenia) root it can't be improved upon for curing colds and Flu--according to the Indians. Only the twigs are steeped for tea, not the main stems.

7322 M 572

"Buckberries"; "We-a-puwi" (P); shrub 6-8 ft. high; frt. red.
Yerington, Lyon Co., Nev. 8/28/37.

Frts. used fresh as pudding or dried, seed strained out when cooked and used for sauce.

M 573-575. Across Walker river about 2 mi. from Indian colony at Yerington, Lyon Co., Nevada, 8/28/37.

7323 M 573 Oryzopsis

"Sand grass"; "Wey" (P)

4-6 in. high.

Indian use: seed ground and made into pudding with buckberries, or cooked for soup alone.

7324 M 574 Hermidium alipes

"Four-o'clock"; "Hewovey" (P)

Flw. red?

Indian use: root peeled, dried and ground to powder for sores.
For headache, boil whole plant and wash head with it.

A.S. Root spec.

7325 M 575 Artemisia spinescens

"Bud sage"; "Kube" (P)--squirrel food.

3-4 in. high; thorny; sage odor.

Indian use: leaves and bits of plant steeped for tea for heavy cold.

A.S.

M 576 Data only

Indian :Col-
 Plant : lect-
 Project:or's
 Number :Number

M 576 Data only

M 577-578. Hills near Schurz, Mineral Co., Nevada, 8/29/37. El.4000 ft.

→ 8542 M 577 *Salvia carnosa*
 "desert ramona"; "tube-siginobe" (P)
 24-30 in. high; flw. blue.
 Bits of lvs, stems and flw. dried and made into tea for
 pneumonia and severe colds.
Lv. spec.

→ 8543 M 578 Umbelliferae NHS *cicuta sp.*
 "licorice root"; "pyno-zocca" (P)
 Along water course; shade, rich, moist soil.
 Similar to wild parsley; licorice odor, characteristic of
 sweet anise; flw. white.
 Dried roots made into tea for whooping cough. More palatable
 when combined with tea from Todsa.
Roots

8544 M 579 Pinus NHS
 "tubape" (P)
 Yerington Indian colony, Mineral Co., Nevada, 8/9/37. El.6000 ft.
 Stubby, small trees; needles blue-green, sticky.
 Main food of Nevada Indians. Pine nuts are usually boiled or
 roasted and then ground into meal, which is then used in many
 ways. Nuts are also eaten raw, but the soft outer shells contain
 turpentine, which is injurious to the kidneys.
Seed

→ 8545 M 580 *Leptotaenia multifida* N H S
 "Indian balsam"; "todsa" (P)
 Sunrise Flat, near Yerington, Mineral Co., Nevada, 8/31/37,
 El. 4500 ft. Root, carrot-like; lvs. like parsley.
 Dig the root in Sept. when the seed is ripe, cut in crosswise
 pieces. Tea is made from the chipped, dry root, and drunk for
 physic and colds. Chips are pounded fine and smoked in a
 pipe to relieve bronchial troubles and asthma. Considered a
 panacea of nearly all ills, especially throat and lung trouble.
 A Dr. Crabtree of Carson City, Nev. patented a cure for Flu, with
 Todsa as the foundation. Indians say this was in the first
 Flu epidemic in 1918, and they gave the doctor the information.
Roots

M 581-583. Near Rawhide, Mineral Co., Nevada, 8/31/37. El. 5000 ft.

8546 M 581 *Parosela*

"ma-good-te-hoo"(P); "ma goo te-hup"(S)

2-2½ ft. high, spreading; pungent odor; flw. lavender.

Stems and branches broken into bits and steeped for colds.

Paiute dosage: Small handful of fine twigs to two cups of water, boiled for some time. After straining drink hot for tuberculosis. For colds merely steep broken stems and drink the tea.

8547 M 582 *Sphaeralcea*

"wild geranium"; "mu-ha"(P); "goina-kumbe"(S)

18-30 in. high; flw. apricot.

Formerly, seed was eaten in hard times.

8548 M 583 *Oryzopsis*

"sand grass"; "wey"(P)

18 in. or more, high.

Seed ground into a meal, then cooked into mush and eaten as a pudding.

M 584-585. Walker Lake, about 4 mi. S of Schurz, Mineral Co., Nevada, 8/31/37. El. 4000 ft.

8549 M 584 *Salix*

hindsiana

"silver willow"; "tsube"(P)

Trees, 8-10 ft. high.

Twigs used in basketry. Inner bark boiled for laxative; cures headache also.

8550 M 585 *Compositae*

Psathyrotis annua

"toothache plant"; "sebu mogoconbu"(P)

Lvs. clammy, pungent odor; flw. yellow.

Lvs. dried for future use. Chew lvs. for toothache.

8551 M 586 *Oenothera* NHS

"evening primrose"; "mozippe"(P)

Walker Lake, about 5 mi. from Schurz, Mineral Co., Nevada

8/31/37, El. 4000 ft. Flw. white, fading to pink; night blooming.

- Seed vessels used as gambling talisman.

Seed orn. Seed Coll.

8552 M 587 *Lepargyrea* NHS

"buckberries"; "we-apuwi"; "weyumb"(S)

Berries dried for winter use. Cooked with sandgrass, "wey" as a pudding.

Seed.

8553 M 588 *Salvia columbiana*? NHS
 "Ghia"
 Near, Walker Lake, Mineral Co., Nevada, 8/31/37. Rocky,
 sandy soil.
 2 ft. high; bracts blue and red.
 Seed, formerly much used as food. Calif. Indian runners
 carried them because they are not bulky, but do contain a
 great deal of nutriment.
Seed.

8554 M 589 *Chylisma*
 "we-a-tum" (S)
 Sapp's place, Walker Lake, about 4 mi. from Schurz, Mineral Co.,
 Nevada, 8/31/37, el. 4000 ft.
 12-30 in. high; flw. pink and white, some nearly red.

M 590-591. Near Rawhide, Mineral Co., Nevada, 8/31/37. El. 5000 ft.

8555 M 590 "*Caulanthus*?" NHS
 "Indian cabbage"; "hevupa" (P)
 3-4 ft. tall; flw. yellow.
 Lvs. cooked as greens, in the spring. Seed, ground; formerly
 used as a food.
Seed.

8556 M 591 *Nicotiana* NHS *attenuata*
 "Indian tobacco"; "pwui-bamo" (P)
 $\frac{1}{2}$ -3 ft. tall; lvs. sticky; flw. yellow-white.
 Plant dried and bits smoked as tobacco. Some prefer seed
 mixed with the plant. When mixed with "todsa", it is a
 remedy for asthma.
Seed

M 592-593. Fallon-Schurz highway, Mineral Co., Nevada, 8/31/37. El. 4500 ft.

8557 M 592 NHS
 "sand dune pentstemon"
 2-3 ft. tall; flw. pink-lavender.
Seed

8558 M 593 *Smilacina* *stellata*
 "false solomonseal"; "tsini-bube" (P)
 2 ft. tall; flw. white; rootstock is jointed.
 Rootstock cut into $\frac{1}{4}$ in. slices and dried for future use.
 For swellings, use dried plant soaked and pounded. Used
 fresh if possible.
Roots.

M 594 Omitted

8559 M 595 *Mentzelia* NHS
 "blazing star"; "big ku-ha"; "ore-tonega"
 Walker Lake, 4 mi. S of Schurz, Mineral Co., Nevada, 8/31/37.
 3-3½ ft. high; flw. yellow.
Seed

8560 M 596 *Ephedra* NHS ~~PP~~
 "Indian tea"; "tsurupe" (P); "durumbe" (S)
 Near Walker Lake, Mineral Co., Nevada, 8/31/37.
 Shrub 2½-3½ ft. high.
 Tea used from twigs for venereal disease and as a beverage.
A.S.

8561 M 598 *Rumex* NHS *near Rawhide, Mineral Co., Nev. 8/31/37*
 "sand dock"; "tuha konobe" (P); "tu-a-ono-gibu" (S)
 Roots, unpeeled, boiled until a rich orange color is obtained.
 Ephedra is then added to water to set the color. Willow
 stems then boiled until dyed.
Roots.
M 597 - omit.

8562 M 599 *Castanopsis*
 "chinquapin"
 Kit Carson camp on road to Luther Pass, Calif., 8/23/37.
 El. 6000 ft.
 Nuts used for food.
S. Coll.

M 600 Omitted

8563 M 601 *Lupinus* NHS
 Near Ft. McDermitt, Humboldt Co., Nevada, 6/5/37. El. 5000 ft.
 20-30 in. high/
Seed.

8564 M 602 *Cruciferae* NHS
 "Red mustard"; "ut-sa", "et-sa" (P)
 Near Ft. McDermitt, Humboldt Co., Nevada, 6/7/37.
 Seed cooked for food.
Seed

8565 M 603 *Cyperus rotundus*
 "taboose"
 Shurz, Mineral Co., Nevada, 9/11/37.
 Roots bear black tubers. Tubers usually located in gopher
 holes.
 Dug by old people in the spring when food was scarce. Tastes
 like fresh coconut and raisins.

8566 M 604

"mesh a-wai-gashe" (W)

Mountains near Lake Tahoe, Calif, 9/8/37.

Bark from root is peeled, dried and buried in black mud to darken and set the color. Used in basket weaving.

Sample.

→ 8567 M 605 *Eurotia lanata*

"white sage"; "sissop" (P&S)

Between Wheeler ranch and Soldier Creek, Humboldt Co., Nevada, 9/15/37. El. 6000 ft.

12-16 in. high.

Tea from this plant taken as spring, blood purifier. Also excellent forage plant.

→ 8568 M 606 Compositae *Psathyrotes annua*

"toothache plant"; "sebu-magoonobu" (P)

Shores of Winnemucca Lake, 50 mi. S of Gerlach, Washoe Co., Nevada, 9/12/37. El. 4000 ft. Assoc. rumex, sagebrush, greasewood.

Flw. yellow.

Plant, dried and lvs. chewed for toothache.

M 607-609. Summit Lake, Humboldt Co., Nevada, 9/13/37. Deep alluvial soil. El. 7000 ft.

→ 8569 M 607 Compositae *Aster frondosus*

Prostrate; flw. pink, lavender and white.

Tea from dried stems (stripped of lvs), taken as general blood tonic.

→ 8570 M 608 Onagra? *Oenothera tomentifolia*

Flw. bright yellow; tap root, 3 in. long.

Root is emetic, used medicinally.

→ 8571 M 609 Rumex
"dock"; "pawiup" (P)

1/2-2 ft. high.

Seed was formerly eaten. Root and lower portion of stem, mashed and used as a poultice on man or beast.

Seed.

8572 M 610 *Artemisia tridentata*

"sagebrush"; "sawabas" (P)

25 mi. NW of Summit Lake, Humboldt Co., Nevada, 9/13/37.

El. 7-8000 ft. Sandy soil.

Shrub 20-25 ft. high.

Seed is still gathered by the older Indians for food. An excellent shrub for forage.

8573 M 611 *Populus*
 "aspen"; "sinnabe" (S)
 Soldier Creek, 20 mi. S of Summit Lake Indian Reservation,
 Humboldt Co., Nevada, 9/13/37. El. 7000 ft.
 Soil, alluvial.
 Tree, 12-15 ft. high.
 Used for fuel and posts.

8574 M 612 *Lygodesmia spinescens*
 "see-kope" (S)
 Between Wheeler ranch and Soldier Creek, enroute to Summit Lake
 Humboldt Co., Nevada, 9/13/37. El. 6000 ft.
 1/2-2 ft. high; flw. pinkish; latex.
 Indians use this plant for gum, chewing the knots on the limbs
 and the round galls on the plant and on the roots.

8575 M 613 *Smilacina stellata*
 "false solomonseal"; "shapui" (P)
 Soldier Creek, 20 mi. S of Summit Lake Indian Reservation,
 Humboldt Co., Nevada, 9/13/37.
 Plant is steeped and tea used to correct delayed menstruation.
 12-16 in. high; flw. white; fruit red when ripe

8576 M 614 *Artemisia sp.*
 "black sage"; "ba-habe" (S)
 Summit Lake, Humboldt Co., Nevada, 9/13/37. Sandy rocky soil.
 Tea from plant highly esteemed for colds.

M 615-619. Near Ft. McDermitt, 5 mi. N in State of Oregon, 9/14/37.

8577 M 615 *Eriogonum pphaerocepalum*
 "wild buckwheat"; "seg-we-bee" (P&S)
 18-20 in. high; flw. yellow.
 Roots boiled into a tea, for diarrhea.

M 616 Omitted

8578 M 617 *Saxifraga bronchialis* NMS
 "dwarf saxifrage"
 Flw. white.

8579 M 618 *Oplopappus stenophyllus* (S)
 "sana-abu" (P); "pochinatesua", is name of eye medicine.
 Flw. white, clustered.
 Tea from root for sore eyes.

8580 M 619 *Lupinus*
 "silver lupine"
 18-30 in. tall; flw. purple.
 Accused of being stock poisoning by Forest Rangers, but in this
 area declared by stockmen to be harmless.
Seed.

M 620-621. Soldier Creek, 20 mi. S of Summit Lake Indian Reservation,
Humboldt Co., Nevada, 9/13/37. El. 7000 ft.

8581 M 620 Rosa
"tsiavi" (P&S)
5-6 ft. high; inner bark brilliant yellow.
Tea from ground roots or inner bark, taken for colds.
To make a pretty, red beverage use stems only.

8582 M 621 Ribes
"po-kops" (P)
Plant 3-4 ft. high.
Black frts. eaten raw or as jam.

8583 M 622 Agastache NHS
"horsemint"; "bawia" (P)
Near McDermitt, Nevada, 5 mi. N in state of Oregon, 9/13/37.
3-3½ ft. tall; flw. pink-lavender; strong mint odor.
Tea from dried lvs. for gas pains. Sometimes a green leaf
added to boiled new potatoes improve the flavor.
Seed

8584 M 623 Iris NHS
"poku-erop" (P)
Soldier Creek, 20 mi. S of Summit Lake Indian Reservation,
Humboldt Co., Nevada, 9/13/37. El. 7000 ft.
20-28 in. high; flw. pale blue.
Tea from roots for bladder trouble, although Ft. McDermitt
Indians consider seed poisonous to horses.
Seed

8585 M 624
"ladies thumb"
Summit Lake, Humboldt Co., Nevada, 9/13/37.
2-3 in. high; flw. white.
S. Coll.

8586 M 625 Achillea NHS
"todzi-tonega" (P)
Near McDermitt, 5 mi. N in state of Oregon, 9/14/37.
12-20 in. high; flw. white, turning brown.
Root is dried and inserted in cavity of tooth to kill nerve.
Whole plant stewed and applied hot as a poultice for pains.
Seed

8587 M 626 Iris NHS
"poku-erop" (P)
Ft. McDermitt, Humboldt Co., Nevada, 9/14/37. El. 6000 ft.
12-20 in. high; flw. blue-lavender
Seed, said to be poisonous to horses, affecting kidneys and
hind quarters. Root used in cavity to cure toothache.
Seed.

8588 M 627 *Monarda?*
 "guy mohpu" (P)
 Foothills near Fallon, Churchill Co., Nevada, 9/15/37. El.
 4000 ft.
 Plants in clumps $\frac{1}{2}$ -2 ft. high; flw. bright lavender or rose,
 fragrant.
 Tea from flower and upper half of stalk excellent as a
 regulator for female trouble, also used as a beverage for
 colds.
A.S.

8589 M 628 *Fritillaria pudica* NHS
 Near McDermitt, Nevada, 5 mi. N in state of Oregon, 6/7/37.
 3-5 in. high.
Seed Orn.

M 629 Omitted

8590 M 630 *Arabis fendleri* NHS
 "Rockkress"
 Owyhee Valley, Elko Co., Nevada, 8/3/27.
 18-20 in. tall; flw. bright purple.
 Used as a liniment; fresh plants crushed and applied as a
 mustard plaster.
S. Coll. Seed

~~M 631~~
 M 631 Data only

8591 M 632 *Tetradymia glabrata* *Cambesia nermis*
 "spring rabbit brush"; "soana-tesua"; "ange-tabishap" (P&S)
 5-7 mi. N of Ft. McDermitt in state of Oregon, N fork of Quinn
 River, 9/14/37. El. 7-7500 ft.
 Plant 6-12 in. high.
 Lvs. stripped from stem and made into tea for gas pains and
 diarrhea. Stock poisoning.

M 633-635. Mountains near Owyhee, Elko Co., Nevada, 9/19/37, el. 8000 ft.

8592 M 633 *Wyethia*
 "ah'kerh zip" (S)
 Flw. yellow.
 Edible seed. Gathered for winter. Root ground and applied
 to relieve pain. First time sunflower root has been reported
 as medicinal.
Root spec. only.

8593 M 634 *Camassia* NHS
 "tsoig"; "pasigo"
 Plant 2-2 ft. high; flw. blue.
 Bulbs are baked and then dried and ground into flour.
Dry bulbs

8594 M 635 *Leucocorinum montanum* Nutt
"si-gua-gump" (S&P)

Grind roots to a soapy consistency and apply to infected sore, also used for swellings. Very sick use the roots as a bath.

Root spec. only.

M 636 - M 637 Omitted.

M 638 - M 640 Data only.

8595 M 641 *Gilia congesta*?
"rock cress"; "bi-heva", "hooni" (S)

Monitor Valley, Nye Co., Nevada, 9/21/37. El. 9000 ft. White chalky soil. Plant 6-9 in. high; flw. white. In higher country, this plant should be gathered in May.

These Indians and those at Austin and Elko regard this as a sure cure for gonorrhoea. Used as Owyhee for venereal disease and colds. In Austin regarded as a physic and emetic and is also applied to ulcers. Reese River Indians use it for influenza. Emetic after the first dose. Smoky Valley Indians use with "diambashego" (M 482) mashed raw and applied as wash to dry up gonorrhoea.

A.S.

8596 M 642 NHS

"wo'orra" (S)

Mountains, near Tonopah, Nye Co., Nevada, 9/21/37. El. 6000-8000 ft. Plant prostrate; flw. purple.

Root soaked in hot water, and drunk until diarrhoea ^{or bowel pains} is checked.

Root

M 643-644. Foothills near Tonopah, Nye Co., Nevada, 9/21/37. El. 6000 ft.

8597 M 643 Pinus NHS

"sanape" (P&S)

Pitch appears when tree is bruised, this is collected, cleaned, melted and used in cases of boils, blisters and also as a chest or throat poultice. It is applied on a warm cloth. A good remedy for pneumonia.

Pitch spec.

8598 M 644 *Gilia aggregata*

2-3 ft. high; root and lvs., strong odor.

General physic and blood purifier; emetic after third dose. (Old John Tutoy (S) said it would cure syphilis or gonorrhoea,

A.S.

M 645-652. Indian Camp, near Beatty, Nye Co., Nevada, 9/23/37. El. 3390 ft. Sandy, rocky soil.

- 8599 M 645 *Comp. Psalhyotes annua*
 "sebu mogoonaabu" (P)
 Plant 3-24 in. across; flw. yellow; lvs. turpentine odor.
 Universal remedy for stomach trouble, urinary trouble etc.
 Tea is made from the entire plant and used until relief follows.

- 8600 M 646 *Covillea tridentata*
 "creosote bush"; "ya-temp" (S)
 Bush 2-3 ft. high; decided creosote odor.
 Tea from lvs. to stimulate urination; drink until relieved no longer.

- 8601 M 647 Cleome?
 "bee plant"; "po-kusinop" (P)
 Semi-prostrate, shrubby. Valued as bee pasture.

- 8602 M 648 *Lygodesmia*
 "gum plant"; "samoko"; "see-kope" (S)
 6-30 in. high; flw. buff-brown. Gum appears on branches and roots.

- 8603 M 649 *Ephedra nevadensis*
 "Indian tea"; "tu-tumbe" (S)
 2-3 1/2 ft. tall.
 Tea from twigs as a stimulant to urination; also used to set the color in tule roots used for basketry.

- 8604 M 650 *Datura meteloides?*
 "Jimson weed"; "moip" (S)
 18-20 in. high; flw. white; odor unpleasant; uncommon.
 Root, soaked, boiled, strained and made into a tea, which is narcotic. The drinker becomes unconscious, but has muscular control, and is able to walk. He has visions and may accomplish great deeds. A few seeds eaten by gamblers, aid their luck and they can foresee the other players hand. Fallon Indians chew bits of stem or root and become exhilarated but not unconscious. Habit forming, and frowned upon by old Indians, but its use is increasing.
 A. S.
 L

- 8605 M 651 *Heliotropium curassavicum*
 "white fiddleneck"; "tumanabe" (P&S); "ayaho"-inducer of urine.
 Plant sprawling 6-8 in. long; flw. white, touch of lavender.
 Tea made from root and used as a throat gargle, is also emetic, therefore should not be swallowed. It is also taken to induce urination, but in very scant quantities.

- 8606 M 652 *Sarcobatus? Sarcobatus occidentalis*
 "attem" (S)
 Tea from lvs. taken for kidney and bladder trouble. Moapa Indians applied the powdered lvs. to sores.

M 653-656. Near Las Vegas, Clark Co., Nevada, 9/24/37. El. 2000 ft.

8607 M 653

"Indian spinach"; "peacock feather".
6-8 ft. tall; flw. white, head surrounded by long seed pods,
noticeable flw.
Stems mashed, cooked and eaten as table greens.

8608 M 654

"cat claw"; "chu'arem" (Moapa)
Dwarf shrub; flw. yellow, fragrant.
Twigs used in basketry.

8609 M 655

Rhus *trilobata*
"Squawbush"; "see'a'wimb" (Moapa)
Shrub 3-5 ft. high. Stems used in basketry.
Berries, dried and powdered as an astringent for sores of
small-pox.

8610 M 656

Martynia proboscidea *NHS.*
"devil's horns"
12-15 in. tall; lvs. similar to Datura, but no odor. Only one
in the colony and Indian would not sell it, as she wanted it for
basketry. (Dry horns of frt. used for design in baskets.)
S coll.

M 657-659. Mexican town, outskirts of Las Vegas, Clark Co., Nevada, 9/25/37.
El. 2000 ft. Sandy soil. Assoc. mesquite, thistle and cleome.

8611 M 657

Covillea ~~glutinosa~~ *tridentata*
"creosote bush"; "ci koi" (Papagos)
Shrub 3-6 ft. high.
The big medicine here, chiefly for women's ailments. lvs.
stripped, tea made and drunk to relieve menstrual cramps or
to induce the flow of blood.

8612 M 658

Covillea glutinosa
"cikoi-haap" (Papago)
Galls found in axil of leaf are called mistletoe here at Moapa.
Said to be used in same way as Covillea (See M 657, also Dr.
Hailman Report.)

8613 M 659

Tamarix
Shrub 15-20 ft. high; used as ornamental, hedges and for wind-
break. Long straight shoots, peeled and used in basketry.

M 660-667. 7 mi. NW of Moapa Indian Agency, Clark Co., Nevada, 9/27/37.
El. 1500 ft. Desert soil, few rocks.

8614 M 660

Ephedra
"tu-tupe" (Moapa)
Shrub, low, straggly branches, blue-brown.
Stems made into tea for general purposes.

8615 M 661

Psathyrotes annua
"sebu-mogoonobu" (P)
Eye medicine #1, this plant is dried, steeped and tea used for
eye wash.

8616 M 662 *Euphorbia arenicola*
 "tu-bi-sai"
 Eye medicine#2, a flat mat on gravel bar; only one found.
 The plant steeped when fresh in hot water and used as an
 eye wash.

8617 M 663 Cucurbitaceae *Cucurbita foetidissima*
 "Melon"; "ah-no-cup"; "ahn-gudip"; "arnoko"; "poonone" (S)
 Frt size of small canteloupe; long vine; root size of sugar beet.
 Bodie Graham (S) says the root tea is a cure for gonorrhoea.
A.S.

8618 M 664 Acacia
 "pah-oh-pimb"
 Shrub 6-8 ft., slender.
 For trachoma put 5 seed in each eye at night. Wash the eyes
 with clear water in the morning. After the first frost, the
 outer bark of the stems is used for making heavy string.

8919 M 665 Sphaeralcea
 "koopena"; "koopanabem"
 1-3 ft. high; flw. scarlet.
 Used in pottery making: Fill 2 qt. bowl with bits of plant
 root, add enough red clay to make a 2 qt. bowl, boil all to-
 gether in an iron pot. When paint is cooked to pieces, re-
 move from the fire and cool to blood warmth, proceed to make
 the dish desired.

8620 M 666 *Chilopsis linearis* DC
 "desert willow"; "al-bohp"; "kaga-ooop"
 Stems used for baskets and cradle boards, not for the finer
 baskets.

8621 M 667 *Thamnosma? montana*
 "desert rue"; "citrus plant"; "mogurup"
 Shrub, 2-3 ft. high; pungent odor, leafless.
 Plant made into tea for smallpox. Tea from bits of stem made
 into a tea wash for woman's ailments
A.S.

8622 M 668 *Stramonium Datura*
 "jimson weed"; "mo-moap".
 Home ranch, NW of Moapa Indian Reservation, Clark Co., Nevada,
 9/27/37. Cultivated ground. 3-4 ft. high; flw. white-lilac.
 Known to be narcotic and seldom used here, except to induce
 trance in fortune telling. Root is pounded and run through a
 sieve and the tea is drunk. A few seeds eaten keeps the mind
 on the desired knowledge.

8623 M 669 *Yucca?*
 "oh-wimp" soap, "do-shumb".
 7 mi. NW of Moapa Indian Agency, Clark Co., Nevada, 9/27/37.
 Plant practically stemless, lvs. 6-7 in. long.
 Root valued for shampoo and laundry soap. String can also be
 stripped from the stem. In the spring, new shoots cooked and
 eaten as greens.

8624 M 670 Ceanothus
 "buckthorn"; "pa-sope", "sawaj"
 Hills back of Moapa, Clark Co., Nevada, 9/27/37.
 Wood very hard, and in early days used to make arrowpoints.

8625 M 671 Coniferae *Juniperus sibirica*
 "howumba"; "towotsic"
 Charleston Peak, near Las Vegas, Clark Co., Nevada, 9/27/37.
 El. 11,000 ft.
 Shrub 8-10 ft. high.
 Resinous vesicles on bark gathered and made into cough
 syrup, by adding honey. Tea from needles taken for
 sluggish kidneys.

M 672 Data only.

M 673-674. 7 mi. NW, Moapa Indian Agency, near C.C.C. Camp, Clark Co.,
 Nevada, 9/27/37. El. 1500 ft. Desert soil, few rocks.

8626 M 673 *Porophyllum leucospermum*
 "pa quidobe"
 Plant 1-2 ft. high.
 Tea from roots relieves delayed menstruation, sometimes the
 stems and lvs. are also used, but the tea is then very bitter.

8627 M 674 *Prosopis pubescens* Bth.
 "screwbean"; "tophillo"; "mesqneroo"; "quierem"
 Shrub 6-7 ft. tall *nm*
 High food value, pods and seed are eaten by Indians as well
 as animals.
S. Coll.

8628 M 675 *Martynia proboscidea*
 "devil horn"; "pa-honem"
 Garden, near Moapa Indian Agency, Clark Co., Nevada, 9/27/37.
 Deep rich soil, near water.
 Plant 3-7 in. high; frt. 3-7 in. long.
 Frt. are dried on the plant, then buried in mud, shredded
 and furnish the black design in basketry.

8629 M 676 *Eriodictyon angustifolium*
 "yerba santa"; "mountain balm"
 Charleston Peak, near Las Vegas, Clark Co., Nevada, 9/27/37.
 El. 11,000 ft. Rocky, clay soil.
 2-3 ft. high; flw. white, pale lilac tint.
 Tea made from the lvs. and honey added, for cough syrup.
 Used for pulmonary troubles and is a great expectorant.

M 677-678. 7 mi. NW of Moapa Indian Agency, Clark Co., Nevada, 9/27/37.
El. 1500 ft. Desert soil.

8630 M 677 *Covillea glutinosa*
"creosote bush"; "ya-tump".
Shrub 2-4 ft. high.
Lvs. boiled with ephedra, badger oil added, and made into salve for burns, and to form new skin. Tea from ephedra and creosote bush used for gonorrhoea and also as a wash for sores. Gum of branches formerly used to attach arrow points to shaft.

8631 M 678 *Prosopis juliflora*
"honey mesquite"; "musqueroo"; "pemp"
Tree 12-20 ft. high; frt. contains 4-6 beans.
Valuable food for Indians.
S. Coll.

8632 M 679 Gramineae?
"basket grass"; "pasi-a-wimp"
Charleston Peak, near Las Vegas, Clark Co., Nevada, 9/27/37.
El. 11,000 ft.
1-3 ft. high.
Stems split and trimmed, used to make brown pattern color in basketry.
Sample

8633 M 680 *Holcus halepensis* L.
"sugar cane"; "pah-rump"
7 mi. NW of Moapa Indian Agency, Clark Co., Nevada, 9/27/37.
El. 1500 ft. Desert soil.
Stem 3-5 ft. Canes 6-8 ft. tall; Aphid excretion profuse. Gathered and sold @ \$4.00 per lb. (See M 690)
Heavy rains had washed all sugar off.

M 681-682. Charleston Peak, near Las Vegas, Clark Co., Nevada, 9/27/37.
El. 11,000 ft.

8634 M 681 *Krameria canescens*
"ah wapi"
Brown root for gonorrhoea, boil root and drink the tea; ground root applied as a wash to gonorrhoeal sores and eyes.

8635 M 682
"wia-sib"
White root for gonorrhoea, boil it and drink the tea.
Dry and grind root for gonorrhoeal sores and eyes.

M 683-687. 7 mi. NW of Moapa Indian Agency, Clark Co., Nevada, 9/27/37.
El. 1400 ft. Desert soil.

8636 M 683 Apocynum
"wee ee'wump"
4 ft. high.

After the first frost, bark is made into string. Rip Logan made a short skirt for Isabelle Kelly, out of the fibre of this plant. Not considered a gum plant at Moapa. U.S.D.A. of Calif. have been seeking seed of the plant for the past two years, but it does not set well here. Mr. Marvey Pocock U.S.I.S., Moapa, Nev. will gather seed if desired, as conditions in Moapa are ideal for its culture.
Seed. S. Coll.

8637 M 684 *Anemopsis californica*
"yerba mansa"; "lizard tail"; "oh'ponip"
Flw. white.

Whole plant made into tea for fits and poor circulation.

8638 M 685
"arrow wood"

Shrub 3 ft. high; woody stems, cut back to make long shoots for bird arrows, tipped with points from M 670, bound with gum from M 677.

8639 M 686 Chrysothamnus
"sheeptracker"

Bush 2-3 ft. high; flw. yellow.

Formerly used by shepherders on bellwether sheep so the dogs could trail.

8640 M 687 Lygodesmia
"samoko"(S)
6-24 in. high.

Gum from knots on stem used for chewing gum. Large quantities are found around the roots of older plants.

M 688-689. Indian Camp, near Beatty, Nye Co., Nevada, 9/23/37. El. 3400 ft. Sandy rocky soil.

8641 M 688 Cactaceae
"cholla"; "cane cactus"
2-3 ft. high; thorns, violet.

Much used in early days, dried, cooked and eaten after the thorns had been burned off.

8642 M 689 Opuntia
"prickly pear"; "wogaybe"

1-3 ft. high; thorns dark red, fuzzy.

Thorns cut off and used as a wart and mole remover. After burning off the thorns, the ear-like cactus is eaten raw or cooked as greens in the spring. Fruit also eaten raw.

→ 8643 M 690 *Phacognites communis*
 "mogoko"
 7 mi. NW of Moapa Indian Agency, near C.C.C. Camp, Clark Co.,
 Nevada, 9/27/37. El. 1500 ft.
 Canes 6-8 3-5 ft. high; feathery plumes, 5-6 in. long.
 Large stems used for bird arrows. Aphids make honey on
 this plant, as well as on M 690. (*Folcus halepensis*)

8644 M 691 *Sarcobatus?*
 Indian Camp, near Beatty, Nye Co., Nevada, 9/23/37. El.
 3400 ft. Sandy, rocky soil.
 (See notes under M 645.) 652

M 692-694. Moapa Indian Agency, Clark Co., Nevada, 9/27/37. El. 1500 ft.
 Desert soil.

8645 M 692 Gram.

8646 M 693 Sphaeralcea

8647 M 694 Asclepias

M 695-700. Flower show at Carson Indian Agency, exhibited by McDermitt
 Indians, Humboldt Co., 5/28/37.

8648 M 695 *Leptotaenia*
 "mt. parsley"; "todsa"
 Root is medicinal.

8649 M 696 *Ribes*
 "pa-au-bis"
 Frt. for food. Inner bark dried and powdered to cure sores.

8650 M 697 *Zygadenus*
 (See M 153).

→ 8651 M 698 *Achillea*
 "ta-se-ta-ne-ga"
 (See M 172). Lvs. boiled and strained for eye drops.
 For haemostatic after childbirth, drink a cupful of tea
 twice daily for a week.

8652 M 699 *Juniperus*
 "wa-ap"
 Frt. eaten as food. For kidney trouble and for colds,
 drink tea made from the steeped lvs.

8653 M 700 *Arabis?*

8654 M 701 Salix
"him-mo" (W)
2 mi. N of Dresslerville, Douglas Co., Nevada, 7/9/37.
El. 4000 ft.
Tree 6-7 ft.
Used by Indians for weaving.

8655 M 702 Tetradymia
12 mi. W of Owyhee, Elko Co., Nevada, 7/24/37.

8656 M 703 Berberis
"kaw danup"; "sogo-tiembuh"⁽⁴¹⁾
Mountains of Elko Co., Nevada, 7/31/37.
Root peeled, dried and steeped for rectal hemorrhage. Is
also blood tonic, cures venereal disease.

8657 M 704 Hugelia *filifolia*
"tsaiyarrabuh"; *agui-he-binga*
Pyramid Lake, Washoe Co., Nevada, 7/15/37.
Steeped and used as an emetic, also a remedy for tuberculosis.

8658 M 705 Compositae *aster populorum*
"dwarf aster"; "stop"
Elko, Elko Co., Nevada, 7/14/37.
Tea from roots for diarrhea.

Report no. 2 (82)

For missing no's see Rpt 1

INDIAN DRUG PLANT DATA

By

Mrs. Edith V. A. Murphey

INFORMATION FROM FIELD NOTEBOOKS

DATA ONLY, NO HERBARIUM SPECIMEN MADE

no. 292 - 672

(Note: These data were given collection numbers but no specimens were collected.)

(checked by P. Train)

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M 292-293. Morgan Canyon, near Nixon, Washoe County, Nevada. 6/30/37.
El. 4500 ft.

M 292 *Salvia carnososa*
"Little Chia"; "tube-sigi'nobe" (P); "ka-gung-tug-wab" (Pit River Tribe)
Flw. blue and red.
Boil lvs. and make tea for cold, headache, or stomachache.
Seed also carried by Calif. Indians runners and eaten.

M 293 *Juniperus utahensis*
"Juniper"; "wapi"
Trees 6-10 ft. high. Frts. not eaten as are those near Elko, and this may be the Rocky Mt. Juniper. Seed boiled, dried, greased, and made into beads. Fumes from lvs. burned on top of stove will protect you from smallpox. For rheumatism, put green boughs on stove and steam, and allow patient to lie on boughs. Drink tea made from leaves.
Seed is difficult to pierce so they are laid a few at a time on ant hills. The ants eat a soft streak out of the center, and the Indians reclaim their seed ready pierced. These beads are used in strings on Indian costumes. (See M 190)

M 295 *Glyptopleura marginata*
"Rabbit guts"; "cumi-segee" (P)
Desert near Nixon, Washoe Co., Nev. 6/30/37 (See M 121)
Lvs. tough and crisp, taste like peanut butter. In spring, when food is scarce, lvs. eaten cooked, or raw as a salad.

M 296 Undet. *Umbelliferae*
"i'zaibe" (P)
On foothills, in wet places, at Nixon, Washoe Co. 6/30/37.
Flw. white, like "Queen Anne's lace", but smaller.
Chew juice out of raw root for sore throat.

M 297 Undet.
"Red larkspur"
Probably from California. Information from Nixon Indian School.
6/30/37.
For swelling: pound root, rub on swelling on arms, legs, and face every day. (Probably for dropsy)

M 298 *Nicotiana*
"Indian tobacco"; "pwui-bamo", "todsa-pahmo" (last name applied to mixture)
Nixon, Washoe Co., 2 or 3 mi. toward Morgan Canyon. 6/30/37. El. 4200 ft.
Information from Gilbert Natchez.
12-20 in. high; sticky, white, night blooming flws.
Whole plant dried and made into chips, put in paper and smoke for a cold. If smoked for pleasure, mix with Bull Durham. Todsa chips make favorable addition and are good for cold or asthma. Also dried, ground, and kept in a can to be blown on sores.

M 299 Phragmites
 "Indian taffy", "sugar cane"; "be-habe" (P); "we-gwe-kobuh"--duck arrows.
 Information from Nixon Indian School collection. 6/30/37.
 Stems 4-5 ft. tall; grows in swamps near Lovelock, Humboldt Co.
 Cut stems with knife. Be careful as sugar might fall out. Dry
 stalks well and hit with long stick to make sugar appear. Grind
 this thoroughly for Indian taffy.
 Note: same thing grows near Bishop, California, and is used for
 duck arrows.

M 300 Undet.
 "tia-aug-wa-ni-gib" (Pit River Tribe)
 Near Nixon, Washoe Co., Nev. Information from school collection
 6/30/37.
 Dry flws., grind and put on sores. Also boil plant and wash sores.
 Also from Lenine: wild root for sores, dry and grind.

M 301 Carum
 "Queen Anne's lace"; "ya-ba", "ya-pah" (P); "yamp" (S);
 "apaw" (Northern California)
 Morgan Canyon near Nixon, Washoe Co., Nev. 6/30/37. El. 4500 ft.
 (Spec. under M 135) 2-3 ft. high; lacy white umbel of flws., finely
 cut lvs. Has tubers on roots, which are boiled, peeled, and cooled--
 eaten fresh, or dried and saved for winter. Called sweet potatoes.

M 302 Prunus
 "Wild plum"; "tu-yu" (Paiute name for dried plum)
 In mountains near Nixon, Washoe Co., Nev. 6/30/37. El. 4400 ft.
 Tree 8-10 ft. high, bearing profuse fruit from which jelly and
 dried plums are made.

M 303-304. Morgan Canyon near Nixon, Washoe Co., Nev. 6/30/37. El. 4500 ft.

M 303 Zygadenus (See M 168)
 "Death camas"; "kogi-a-donup" (P)
 Tall stalk 16-20 in. Flw. white with orange center.
 Mash bulb with rock, mix with equal part plug tobacco, and tie on
 swelling. Known to be poisonous to people and to stock.

M 304 Allium parvum
 "Little onion"; "udz" (P)
 Dwarf 1-2 in. high; usually single stem of papery white flws. and
 round bulb. These onions are usually left for little children to
 gather and learn how to dig as they are edible and close to the ground.

M 305 Undet.
 "kane-na-tesua" (P)
 Near Sutcliff, 15 mi. beyond Nixon, Washoe Co., Nev., close to road.
 6/30/37
 Medicine for general tea for kidney ailments. Drink freely. Whole
 plant used.

Douglas Co.

M 306-324 Notes relating to Dresslerville Indian Colony, Nevada.

M 306 Artemisia ?
"Sagebrush"; "da-bel" (W)
Near Dresslerville Indian Reservation, Douglas Co., Nev. 7/9/37.
El. 4000 ft.
1-3 ft. high. Tea is made of this for colds. Local medicine man wears it with his costume. This plant is considered valuable.

M 307 Balsamorhiza
"Balsam root"; "ah'kerh" (P); "sugilatse" (W)
Locality same as M 306. 24 in. tall; flw. yellow; lvs. arrow-shaped; large and resinous tap root. Seed roasted, then ground, for food. Root is used as emetic.

M 308 Comp.
"Sunflower"; "shu-gi" (W)
Near Lake Tahoe, California. 7/9/37. El. 6000 ft. Open ground. Seed ground and made into mush.

M 309 Prunus
"Chokecherry"; "daw-esh-abui" (P); "tsam'chit" (W)
Canyon back of Genoa, Douglas Co., Nev. 7/9/37. El. 4500 ft.
Shrub 4-6 ft. high. Frt. cooked and used for food, also for jelly.

M 311 Calochortus
"Sego lily"; "kok-se" (W), "kogi" (P)
On way to Lake Tahoe. 7/9/37.
Flw. white with crescent maroon mark; 18-24 in. high; bulb 1/2-1 in. long. Bulb eaten raw in early spring.

M 312-315 Canyon back of Genoa, Douglas Co., Nev. 7/9/37. El 4500 ft.

M 312 Carum
"Queen Anne's lace"; "ya-bah", "yapah" (P); "yamp" (S); "kosatse" (W)
Tubers eaten raw.

M 313 Ribes
"Black currant"; "po-kops" (P); "non'hal'wa" (W)
3-4 ft. tall; Frt. used as food.

M 315 Juniperus
"Juniper"; "baal" (W)
Tree 6-10 ft. high
Put lvs. on stove or fire, and inhale fumes for headache.

M 316-320 Near Dresslerville Indian Reservation, Douglas Co., Nev. 7/9/37. El. 4000 ft.

M 316 Allium
"Wild onion"; "bostick" (W)
4-6 in. tall; flws. rose pink; bulbs 2-3 in. deep in ground. Sometimes turns red when ripe. Eaten raw.

M 317 Rosa
"Wild rose"; "pat-sur'malle" (W)
Shrub 3-4 ft. high; flw. pink, fragrant, 1/2 in. diam.
Frt. eaten raw when ripe. Tea from roots for beverage only.

M 318 Leptotaenia
"Todsa" or "dodza"
Gravelly places on mountain side. 18-30 in. tall; lvs. finely cut; flws. yellow; large carrotlike root.
Invaluable to these Indians as a cough remedy and for inhalation. Root is dried and kept on hand, chipped and smoked. Tea for general blood purifier.
During the first "flu" epidemic, the Indians shared their knowledge of this medicine with their white neighbors for whom they procured it. It saved many lives of white people.

M 319 Purshia tridentata
"Antelope brush"; "bal'nat'san" (W)
Toward foothills.
Tea made from whole, ripe seed used as emetic.

M 320 Elymus
"Rye grass"; "washo" (W)
Bunch grass 3-4 ft. tall, seed bearing awns 6 in. long.
Not used as food but old medicine men use seed in ceremonies.

M 321 ~~Veratrum~~ *Fragaria*
"Skunk-cabbage", "false hellebore"; "baduppa" (W)
High Alpine meadows near Lake Tahoe, California. 7/9/37. El. about 7000 ft.
4-5 ft. high. There are two kinds of skunk cabbage. This is the smaller one. Tea from root used as emetic.

M 322 Thalictrum
"Meadow rue", "false maiden hair"; "taba emlu" (W)
Canyon back of Genoa, Douglas Co., Nev. 7/9/37. El. 4500 ft.
Stems 3-3 1/2 ft. tall. Small rootstock from which Washoes make tea for colds.

M 323 Lygodesmia
"Desert gum"; "see-ko-pe" (P); "wa-ha-nane" (W)
Near Dresslerville. 7/9/37. El. about 4000 ft.
Soil rocky and sandy. Tap root 1/4-1/2 in. thick; has little knots of gum which are chewed by Washoes.

M 324 Lilium parvum ?
"Little Alpine lily"; "see-lat-aho" (W)
Willow thickets near Lake Tahoe in California not far from Bijou. 7/9/37. El. about 6000 ft.
2 1/2-3 1/2 ft. tall; flw orange, shape of pardalimum but petals not revolute. The rootstock has many white scales which are picked off and cooked.

M 325-344 Reno Indian Colony (Paiute section) Washoe Co., Nev. 7/10/37-7/11/37.

- M 325 *Artemisia tridentata*
 "Sagebrush"; "sawabae" (P)
 Tea made from lvs. as beverage and for cold.

- M 326 *Balsamorhiza*
 "Balsam root"; "ah'kerh" (P)
 Seeds eaten fresh or ground for meal.

- M 327 *Prunus*
 "Chokecherry"; "daw-es-a-bui" (P)
 Fruit eaten fresh or dried. Long young branches bent into baby baskets.

- M 328 *Salix*
 "Willow"; "tsube" (P);
 Short shoots used for baskets. Long ones for round wickiups and arbors.

- M 329 *Calochortus*
 "Sego lily"; "kogi" (P)
 Bulbs eaten raw in spring.

- M 330 *Carum*
 "Queen Anne's lace"; "ya-pah", "ya-bah" (P)
 Tubers of size of little finger.
 Gathered when ripe and saved for winter, or eaten fresh.

- M 331 *Cogswellia ?*
 "Little Queen Anne's lace"; "yeduts" (P); "bikwaida" (Northern P),
 "tsoig", "hoonib" (S)
 Root eaten raw by Paiutes; cooked by Shoshones.

- M 332 *Ribes*
 "Black currant"; "po-kops" (P)
 Fruit used for food.

- M 333 *Cornus*
 "Osier dogwood"; "at-sa-kse-danup" (P)
 Peeled shoots used for cradle board.

- M 334 *Juniperus*
 "Juniper"; "wapi" (P)
 Tea from frt. for kidney trouble.

- M 335 *Parosela*
 "Citrus plant"; "magotehupi", "magooduhoo" (P)
 Tea from whole plant, bark and all, for stomachache. Used by Reno Indian Colony who get it from Wadsworth.

- M 336 *Zygadenus*
 "Death camas"; "kogi-a-donup" (P)
 Known to be poisonous. No use.

- M 337 Allium
"Wild onion - tiny"; "udz" (P)
Eaten raw.
- M 337b Sphaeralcea
"Desert mallow", "wild geranium"
Not handled for fear of sore eyes and nosebleed.
- M 339 Leptotaenia
"Mt. parsley"; "todsa"
Tea made from root for blood tonic. Root dried and smoked for asthma or flu, or purely for pleasure.
- M 340 Purshia
"Antelope brush"; "hunabe"
Tea from lvs. for general use.
- M 341 Rumex
"Common dock"; "pawia", "pawiup" (P)
In early days seed was eaten. Now tea from root used as blood purifier.
- M 342 Elymus
"Rye grass"; "wai-ya" (P)
Seed formerly eaten
- M 343 Cercocarpus ledifolius
"Mountain mahogany"; "toobe" (P)
Rarely obtainable by these Indians.
Tea from lvs. valued for heart trouble.
- M 344 Nicotiana
"Indian tobacco"; "pwui-bamo" (if mixed with todsa called todsa-bamo)
Dry whole plant in seed. Thrash it to bits. Smoke for tuberculosis or for pleasure. Save some powdered plant to put on sores.

M 345-346 Ruby Valley or Ruby Mountains, Elko Co., Nev. 7/15/37.

- M 345 Lithospermum
"nemasaw" (S)
Plant 2-3 ft. tall. Tap root slightly twisted, woody.
Tea from this root is standard remedy for diarrhea (obtained from Mrs. Maggie Patterson, Elko Co., Nev. Indian Colony at Elko.)
- M 346 Undet. *Gilia congesta*?
"Rock cress"; "hoona"; "hooni" (S)
Looks like white rock cress, said to be green the year round. Flw. white, plants 3-4 in. tall, slender tap root.
Whole plant steeped for tea for colds.

-
- M 353 ~~Cercocarpus~~ *Purshia tridentata*
"Antelope brush"; "hunabe" (P & S)
Miller Creek, on Owyhee Reservation, about 10 mi. N. of Owyhee, Elko Co., Nev. 7/24/37. El. 5500 ft.
Bark formerly used for baby diapers. Inner bark (white) steeped to check hemorrhage and powdered for sores. Bark tea to clear pus from eyes. Also used as a wash in smallpox. (See Owyhee Report 8/3/37).

M 389 *Hugelia piliifolia*
 "Blue gilia"; "tsai-yarrabuh", "pa-we-natuswa" (P)
 Not native here but identified by former resident of Pyramid Lake.
 8/3/37. Slender branching plants 4-6 in. high; flw. blue; stems prickly.
 Tea, made from whole plant, used for sores, as an eye wash, and for upset stomach. For the last, drink cupful and repeat in half hour. This causes vomiting. Continue taking until better. (See Owyhee Report 8/3/37)

M 390 *Gilia congesta*
 "Rock cress"; "hoona", "hooni" (S)
 Foothills near Elko, Elko Co., Nev. 8/6/37. El. 5000 ft.
 Round clusters of white flw. like sweet alyssum at top of plant. Very delicate and small green lvs. from base of plant up stem about 2 in.; 3 in. tap root.
 Tea from whole plant clears up blood disease and bad colds, is tonic for appetite. Raw plant poultice cures back sores of horses.

M 414-415 In Ruby Valley, Gardner Ranch, Elko Co., Nev. 8/8/37. El. 5500 ft.

M 414 *Iris*
 "Wild iris"; "pas-sa-gida", "daw-see-daya" (S)
 24-30 in. tall. Flw. pale lavender. Roots, when boiled, are positive cure for venereal disease. Root used in hollow tooth to stop toothache. Seed poisonous to horses.

M 415 ~~Umbell.~~ *Osmorrhiza occidentalis*
 "Sweet anise"; "bossoguey", "bossowip" (S)
 24-36 in. tall. Have licorice odor.
 Roots dried and made into tea for diarrhea. Todsa added as cure for heavy colds or pneumonia.
Roots

M 420 *Mentha*
 "Peppermint"; "paquana" (S)
 Secret Pass, 35 mi. E. of Elko, Elko Co., Nev. 8/8/37. El. 5500 ft.
 6-8 in. tall; flw. lavender; aromatic herb which is dried and made into tea to reduce fever and to bring up gas in cases of indigestion.

M 422 *Sphaeralcea* ?
 "Wild geranium"; "numa-naka" (S)
 Near Elko Indian Colony, Elko Co., Nev. 8/7/37. El. 5000 ft.
 18-20 in. high; bright scarlet color, stems and lvs. woolly; geranium shaped lvs.
 Root good for swellings, heat and apply as poultice.

M 425 *Ephedra*
 "tsurupe" (P & S)
 Near Elko Colony, Elko Co., Nev. 8/8/37.
 Twigs are dried and aromatic tea made from them for beverage, or medicinally for cold.

M 429 Mimulus
"undavich-quana"
Ruby Valley, Gardner Ranch, Elko Co., Nev. 8/8/37. El. 5500 ft.
20-30 in. tall; flw. yellow.
Lvs. crushed raw and applied on wounds.

M 430 Prunus
"chokecherry"; "daneshabui" (P); "dongeszip" (S)
Secret Pass, 35 mi. E. of Elko, Elko Co., Nev. 8/8/37. El. 5500 ft.
15 ft. tall; frt. used as food, either cooked, eaten raw, or pounded,
seeds and all, with deer meat to make pemican. Made into flat cakes
and dried on baskets in sun.

M 447 Undet.
"Wire grass" ?
Ruby Mts. above Gardner Ranch, Elko Co., Nev. 8/8/37. El. 6000 ft.
Grows in marshy ground.
Lvs. were like wire grass.
Root is cooked and applied as poultice to swellings.

M 515 Ephedra
Smoky Valley, Nev., about 15 mi. S. of Austin, Lander Co. 8/15/37.
Recommended as cure for venereal disease.
Dried twigs mixed with inner bark of antelope brush is positive cure.

M 526 Undet. *Hugelicia filifolia*
"Blue gilia"; "aqui-he-binga" (S)
Procured near Nixon or Schurz, Nev. 8/17/37.
Fragile but rigid branching plant 3-8 in. high; brilliant blue flw.;
tap root.
One of the best medicines for tuberculosis in children. Tea made
from dried plant.

M 561 Undet.
"Indian rhubarb"
Beyond Woodfords, Alpine Co., California, about 6 mi. 8/25/37.
El. 6500 ft.
6-7 ft. tall; long pointed lv.; straight tap root.
Eagerly sought for food in spring when blood is thick.

M 576 Artemisia
"Sagebrush"; "sawabae" (P)
Across Walker River about 2 mi. from Indian Colony at Yerington,
Nev. 8/28/37.
2-3 ft. high.
Leaves boiled for cold in early days in Nevada. Also steeped and
applied to stubborn bullet wounds. Dried lvs., seeds, berries of both juniper
and sage are made into a tea, using one pinch to a cupful; taken for colds.

M 631 *Cirsium*
 "Thistle"; "koida" (P)
 On high plateau above Ft. McDermitt, Nev. about 5 mi. or more
 due N in Oregon. El. 7000 ft. 9/14/37.
 2-4 ft. high; green stalks and lvs.; flws. small and yellow-white.
 Stems are peeled and eaten raw any time of year.
 Oklahoma Indians smoke the seed and down of this in pipes.
 (Same as M 622)

M 638 Arrow points, flint
 In mountains, Owyhee, Elko Co., Nev. El. about 6000 ft.
 Flint arrowpoints to tie on the neck for protection and good luck
 in hunting. Poison plants were bruised and rubbed on the arrows.
 Roots of *Zygadenus*, False hellebore, and any part of aconite were
 used.

M 639 *Mimulus*
 "Unda'vich'kana" (S)
 Owyhee, Elko Co., Nev. El. 6000 ft. 9/19/37.
 Make tea from dried lvs. and apply to cut or bruise.
 (See M 354)

M 672 *Leguminosae*
 "Cat claw"; "bi-joarum" also "chuarem"
 Moapa Indian Agency, 7 mi. NW, near CCC Camp, El. 1521 ft.,
 Clark Co., Nev. 9/27/37.
 Shrub 6-7 ft. high, very prickly with curved thorns; lvs. compound,
 light green.
 Frts. are eaten by Indians. Stems peeled and used for finest baskets.

Leucocrinum montanum. " Msp ^{M125} " M125
 Indian cabbage. white. ^{Fallon road} Msp ~~4~~ ^{Schutz}. Plant to match. M105
 " - yellow. Stewart. Msp ~~5~~ " M94

 Note. Two attached pkgs. undoubtedly same thing
 "Tu-bop-we". Red basket material. Msp ~~6~~ M 256
 "Du-du-nabe". Basket root. Msp ~~7~~ M 257
 "To-bonn". Rock for dye. ~~M 227~~ ^{M 227} ^{(Not numbered) mato plant} M234
 "Todsas" - Root for colds etc. Msp ⁹ ~~9~~ ⁹ "loobo-buh-ah". Mt. Makogony, Msp 10
 "Tsini-bube". Root for swelling Msp 11 M 202
 "Hewovey" - 4 block seed. - Msp 12 - Probably red one? M 259
 Indian coffee - Tall Ephedra - "Tsurupe". Msp ¹³ ~~13~~ ¹³ ^(Tressed sp. of M 57)
 Sandgrass. Tall seed. "Way" - Msp 14. ~~M 75~~
 Buckberries. seed dried. "We-yumb". "Su. Food. Msp 16. - M 258
 Piñon cones. Msp 16; Msp 17 Pine nuts.
 From Fallon Indian school: Root. "Tuaonogibu" - Unident.
 for sores + stomachache. Msp 18. M 127.

 Fort MacDermitt -
 Todsas. Root. Msp ~~19~~ ¹⁹ 227 ✓

(copy)

LIST OF SEEDS, ROCKS AND ROOTS.

Collected by Mrs. Edith V. A. Murphey at Fallon, Schurz and
Stewart, Nevada, June 2, 1937.

- Pinus*
M 34 "Pinon cones; "Pine nuts!"
- Ephedra*
M 57 "Indian coffee", "Tall ephedra"; "Tsurupe".
- Onizopsis*
M 75 "Sand grass" (tall); Seed, "Wey".
- Thelypodium*
M 94 "Indian cabbage" (white), Fallon road to Stewart, Nevada.
- M 105 "Indian cabbage" (yellow), Fallon road to Stewart, Nevada.
- M 125 *Leucocrinum montanum*; N. H. S. Stewart, Nevada.
- Rumex venosus*
M 127 Unidentified: Root, "Tuaonogibu", from Fallon Indian School.
For sores and stomachache.
- Smilacina stellata*
M 202 "Tsini-bube". Root for swelling.
- Leptotaenia multifida*
M 227 "Todsas", root, Fort McDermitt, Nevada.
Root for colds etc. and coughs
- Cercocarpus*
M 234 "Mt. mahogany"; "Toobo-buh-ah"
- M 238 *Allium parvum* N.H.S.
Seed, Stewart, Nev.
- M 255 *Asclepias mexicana*
Seed. Schurz.
- Cornus* ?
M 256 "Tu-bop-we". Red basket material.
- M 257 "Du-du-nabe". "Basket root."
Byssium pallidum
- M 258 "Buckberries"; "We-yumb" (S)
Food; Seeds dried.
Hermidium alipes
- M 259 "Four-o'clock"; "Hewovey"
Seed; probably red one?

Note: two attached packages of seed, undoubtedly same as M 94.

Medicinal Plants used by Papagos, contributed by Dr H.V. Hailman. U.S.I.S.
since many of the same plant families are found in Nevada, ~~(this list is
included with Mrs Murphy's report of June 2nd, 1937)~~

(94)
Report No. 4
June 1937

COLDS:

Mesquite mistletoe. "Kui haap#" Leaves boiled and drunk.

SORE THROAT:

Canaigre; "siwitcuris" (*Rumex hymenosepalus*. Root powdered and eaten.
Note: This plant is used for dye, yellow. Dry and powder for sores
Paiute name: "Tuha-Konobe"; Shoshone: "Wainatsu". for eye.

STOMACH & MENSTRUAL CRAMPS: Creosote mistletoe; "Cikoi-haap". (*Phoradendron* sp.)
Leaves boiled and liquid drunk. Woman also lies on heated barches.

RHEUMATISM: Creosote bush; "Cikoi", (*Covillea glutinosa*) Lay heated branches
on joints.

SORE FEET: Same: Hold feet in smoke made by smouldering green branches.

CHILDBIRTH: Creosote Bush. Woman lies on heated branches; dried pulverized leaves
steeped in hot water, and liquid rubbed on breasts to start milk flow.
Dried powdered leaf rubbed on infant's navel.

SORES: Jojoba, "Bucjnut", "Hohohwi", (*Simmondsia californica*), Nuts parched
pulverized and applied dry.
Canaigre, "Siwitcuris" (*Rumex hymenosepalus*) .Roots ground and applied
dry. Has a drying effect.
Night-blooming cereus, "Ho-o-kiwa," (*Cereus greggii*) seed pod mixed
with deer grease to make salve.
Mesquite gum (*Prosopis velutina*) pulverized; when applied to sores
becomes sticky and caked. Used for impetigo.

TOOTHACHE: Wild Bean, "Pahwi" (*Phaseolus acutifolius*) held between teeth.

Stings & Bites; Creosote bush, "Cikoi", (*Covillea glutinosa*) chewed and placed on
bite made by snake, spider or scorpion.

Mesquite, "Kui", (*Prosopis velutina*) Leaves chewed and placed on sting
made by red ant.

EMETIC: Creosote bush, "Cikoi" (*Covillea glutinosa*) Leaves boiled and drunk.

Lizard Tail, Yerba mansa, "Wawic", (*Anemopsis californica*), Leaves
boiled and decoction drunk.

(copy)

Report # 4a (95)
(Annotated)

MEDICINAL PLANT DATA

Collected by Mrs. Edith V. A. Murphey in report of
June 21, 1937.

Medical plants used by Papagos, contributed By Dr. H. V. Hailman,
U. S. I. S., since many of the same plant families are found in Nevada.

- Childbirth: *Larrea divaricata*
"Creosote bush"
Woman lies on heated branches; dried pulverized leaves steeped in hot water, and rubbed on breasts to start flow of milk. Dried powdered leaf rubbed on infant's navel.
- Colds: "Mesquite mistletoe"; "Kui haap".
Leaves boiled and drunk.
- Emetic: *Covillea glutinosa* *Larrea divaricata*
"Creosote bush"; "Cikoi".
Leaves boiled and drunk. (see last item page #2)
- Rheumatism: *Covillea glutinosa* *Larrea d.*
"Creosote bush"; "Cikoi".
Lay heated branches on joints.
- Sore feet: *Covillea glutinosa* *Larrea d.*
"Creosote bush"; "Cikoi".
Hold feet in smoke made by smouldering green branches.
- Sores: *Simmondsia californica*
"Jojoba"; "Buccjnut", "Hohohwi"
Nuts parched, pulverized and applied dry.
- Rumex hymenosepalus*
"Canaigre"; "Siwitcuris".
Roots ground and applied dry. Has drying effect.
- Cereus greggii*
"Night-blooming cereus"; "Ho-o-kiwa".
Seed pod mixed with deer grease to make salve.
- Prosopis velutina*
"Mesquite gum"
Pulverized; when applied to sores, becomes sticky and caked.
Used for impetigo.
- Sore throat: *Rumex hymenosepalus*
"Canaigre"; "Siwitcuris"; "Tuha-Konobe"(P), "Wainatsu"(S)
Root powdered and eaten. Dry and powder for sores. This plant is used for dye(yellow).

Murphey, data, June 2, 1937.

Stings and bites: ~~Gevillea glutinosa~~ *Larrea divaricata*
"Creosote bush"; "Cikoi".
Chewed and placed on bite made by snake, spider or scorpion.

Prosopis velutina
"Mesquite"; "Kui"
Leaves chewed and placed on sting made by red ant.

Stomach & Menstrual Cramps:

Phoradendron sp. *? insect galls?*
"Creosote mistletoe"; "Cikoi-haap"
Leaves boiled and liquid drunk. Woman also lies on heated branches. (not a mistletoe but merely an insect gall - W. G. A.)

Toothache:

Phaseolus acutifolius
"Wild bean"; "Pahwi".
Held between teeth.

Emetic:

Anemopsis californica
"Lizard tail", "Yerba mansa"; "Wawic".
Leaves boiled and decoction drunk.

Report by Mrs E. Murphey on Indian uses of Plants. *June 2, - 1937*
 This information was collected at Schurz, Nevada.
 Numbers refer to pressed specimens. P. stands for Paiute. S for Shoshone.

Common name.	(Page 1.)	Indian name	No.	Use.
Alyssum, white, Balsam Root, Gum Plant.		"Pah-munh"	P. M69.	Cook. Eat it.
		"Ah-Kerh"	P. M112.	Seeds used as food.
		".Sada-kaitsa"		Roots steeped medicinal. Aromatic gum at roots. Chew.
Bitter Root		"Ka-Ner-Theh"	P.	Root boiled for food. Pounded up for medicine. Ft MacDermitt.
Blazing Star		"Ku-Ha"	P. M44.	Porridge made of seed after pound- ing. Called Gravy plant. This is Mentzelia laevicaulis. A smaller one M. albicaulis, white stem, also used.
Brass Buttons	None.			Whole plant boiled for cramps.
Cetula coronopifolia.				
Buckwheat, Wild, Note, for small flowered forms, not heads,				"Gwuppa" seems to be family name.
Turkish rugging	"Gwuppa osa"	Paiute.		No use.
Swollen stalk. Eriogonum elatum.	"Gwuppa ursa"	P. M47		" "
Wild Celery.	"Ye-Duts"	P. M10.		Green leaves used raw food. Small stems run to top of large root, which is boiled & eaten.
	"Bass-o-wep"	S.		Grows along creeks. Root is boiled & eaten, and water therefrom is used to kill mites on chickens.
	"Ik-Nish"			is Klamath name. Use identical.
Chia, Little, or Ramona incana	"Tube-sigino"	P.		Leaves steeped for cold medicine.
Columbine,	"Pah-wha-na-ha-bu"	P. M72.		No use. Just flowers.
Desert Mallow.	"Mu-Ha"	P. M1; M12.		Seed used formerly food.
	"Goina Kumbe"	Shoshone		" " food.
				See also page 6.
Dogwood, small flowered,	"At-sa-wish-tsi danabu"	P. M65.		Stems make second baby basket. 1st basket is a temporary affair. When it is evident baby will live, second or permanent baby basket is made from these stems.

E. V. H. Murphey

Report no. 5
June 2, 1937

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Murphey Report on Indian uses of plants. Schurz, Nevada. Page 2.

According to Alice Gildersleeve, Paiute, plants most used here are as follows: Todsa, for colds & everything; Hewovey, 4 O'clock, 2 kinds, for sores, and "Tuha-Konobe", Sand Dock, root dried and powdered for sores. *M115* *Rumbe* *Wendee*

Numbers refer to pressed specimens. "P" for Paiute; "S" for Shoshone.

Common name	Indian name	No.	Use
E phedra ,IndianTea MormonTea.	"Tsurupe"	"P" M 7	Drink for sick <i>stomach</i> inside " P" Mountain Tea, made from stems; Indian coffee made from ripe seeds, parched & coarsely ground .Shoshone.
<i>Indian Coffee</i> M 5613 Seed	" "	"S"	
	" Tu-rumbe"	"S"	Tea from stems, Blood purifier
Four o'clock	"Hewovey" "Dubaw"	"P" & "S" M 57 "S"	For headache boil whole plant and apply to top of head. For sores, dry root, grind fine, ped scab, and blow powder on. Known to Indian Field Service as " Impetigo Plant. "This applies to both white & red 4o'clocks.
	<i>und det. M259</i> <i>M 572</i> <i>Seed</i> <i>Red, one?</i>		
" ,white	" Ma-goo-du-hoo"	"S"	Gray leaves steep like tea found
" red,	"Dubaw"	"S"	Boil root & stem, dye willows yellow.

Common name	Indian name	No.	Use
Indian Tobacco	"Pwui Bamo"	"P" No spec. as yet	Dry leaves & seed. Grind & smoke on empty stomach. Fast 3 days, if going to be Doctor. Then smoke. Make dream come.
	"Boo-we pahoo"	"S"	
Indian Cabbage	"Hevupa"	"P", M94, M105 M94 M105	Food. Leaves cooked. Both yellow and white flowered ones.
Lambs' quarter ?	"Leppe"	"P" M48.	Grind seed and cook.
Nettle, False, ?	"oo-see-gwad-sebu"	"P" M74.	For swelled legs. Grind leaf and rub leg any place
Water cress?	"putzida"	"P"	Just eat fresh.
Monkey flower. Yellow mimulus.	"pah-what-na-abe"	"P" M68	Leaves medicine. evidently two colors, as women insisted on 2 specimens.
Thistle	"Koi-de"	"P" M68	Hot spring by Rawhide. This plant grows there. Peel skin of plant in hot water. Let patient eat it right there. Let person down in water. Cured of rheumatism.
White Fiddleneck <i>Curassavicum heliotropum</i>	"Tube-manabe"	"P" M91.	Emetic. Boil plant and drink. Little white flowers around Lake Lahontan.
	<i>Heliotropium sculatum</i>		
Sand Grass	"Wey"	"P" M75	Indians eat seed of tall variety.
" "	" "	"P" M58	This is small variety. Both kinds are valuable forage plants. Seed for re-planting purposes has been gathered by Walker River Sub-Agency. Schurz.
Bud Sage	"kube "	"P" M59.	Squirrel food. Thus useful to Indians who eventually eat the squirrels.
	<i>Argemone minuta</i>		
Thistle Poppy.	"Ishub-goof-wa".	"P" M49	Cook seed, grind it, put on sores.
	"Tsagida".	"S"	Seed ground and applied to sores.
Willow. white,	"Tsube".	"S"	Twigs used in basketry. Name of foundation is "Wahabe"; Strand wound around is "Ba-gwup". Roots for White Man Disease. Steep in tub, and use as sitz bath. Bark used in pattern of basket, buried in manure to make it black. Same thing is done by Pomos for 'tsuwish'; Scirpus-
Milkweed, narrowleaf,	"Wisha"	"P". M81.	String and carrying nets for water bottles made from this.
	"Wa-na".	"S" meaning: "Any net"	
Wild Rose.			Under bark steeped, tea for colds.

Murphey R report on Indian Uses of Plants. Schurz, Nevada. Page 4.

There are no ^{plant} specimens accompanying these items.

Common name	Indian name	"P" for Paiute, "S", Shoshone	Use
Moss, yellow, E vernia vulpina	"yu gur-sanibe"	"P"	For dye, for basketry. also for rags for rugs. Boil with little water, soak articles to be dyed. Commonly used by Hoopa and Klamathsto dye porcupine quills.
Mustard, Big	"Hama", meaning elder sister	"P"	Does not bear seed.
Cat Tail	"Toiba"	"P"	Eat root. Boiled. Burn cotton off cat-tail when ripe, and pound seeds eaten raw.
Rock for Dye	"To-bohh" Msp8 211	"P"	Makes dark brown or black dye. Rock spec. acc. Burn rocks in fry pan. Powder fine. Make stick brush, add little water to powder and apply to design on basket. Let it dry. Wash with water. Nothing can remove it, norfade.
Basket material Red	"Tu-bor-we" Msp6 256	"P"	Sample accompanying. No ident. For pattern
Basket root	"Du-du-nabe" Msp7 257	"P"	" Turns black. Smells sweet.
No name Baneberry?	"todsa" Msp9 227	"P"	" . For cold & everything smoke as cigarette, ground root. Boil for tea. Flower, white, root carrot like. Milk runs out of root when green, Dry. Baneberry? Sunrise Flat near Yerington. Also at Nixon Indian Valley, summit, Reno-Carson road.
No name	"Toisa"	"S"	Steep fresh root for cramps of childbirth. Also used as ergot. Probably same as Todas"
Mt. Mahogany	"Toobe-buh-ah" Msp10 234	"P"	Sample #### accompanying. Dry bark and grind forsores. Make tea for heart trouble.
Sagebrush	"Sawabae"	"P"	Cook leaves and apply to swelled legs. Use whole plant in hot water, drink, when cough.
Zygaden ^{as} Death camass	"See-raw-buh"	"P"	For legache, mash bulb and lay on leg. Known to be poisonous to people and stock.
Sedge. Cyperus rotundus	"Taboose"	"P"	S-subsistence Plant. Little black tubers on fibrous roots. Eaten raw.
Sego lily	"Kogee"	"P"	Root eaten raw in spring by Paiutes.
Calochortus Nuttalli			Calochortus gathered when ripe in California and saved for winter. In late summer.