President Brigade
New York
General
New York, N.Y.
3-7-28 - October 25, 1962
Open, grassy, gravelly
pine for 3 miles north
in all Kansas, state /
Illinois. Mexico. Elec-
1,000 feet. 4 stems
mostly solitary. Heads
8, with mostly 8
flowers. Rayless. Payers of
about 10 scales.

Calia scabra (fig.) Rob.
372. - October 25, 1962
Tama + 

Rays neutral. Papilons none.

Viguiera hemsleyana Plate
9-7-30 - October 25, 1962
Overhanging Bank of practice in marine
in pine-oak woods 4
miles south of Aricola
Rocks, State of Michigan,
Michigan. Elevation about
5300 feet. Shrub 2-3 m.
All overhanging the
bushes and somewhat
overhanging with white
flowers and flat sprays of

Eupatorium areolare DC.
1931, October 25, 1962

Desert prairie pasture
with scattered Acacia
in Panhandle south
of Santa Fe, N.M., state
of New Mexico.

Plant about 4700 feet.

Flowers yellow, with mostly
5 inco. petals pleasantly
fragrant. The edges of the
petals like that of a daisy.
Pappus of 5 unequal long scales,
these connate for much of their
length, one or two much
longer than the others and
tapering to a flat acorn-tipped.

Tagetes subulata Cerv.

Tagetes (II)
1732 October 29, 1962
Pasture in oak zone 12
miles southeast of Arcola.
Koodles, state of Michigan,
Michigan. Elevation about
1500 feet. Scrambling
shrub, climbing
bushes and small trees.
Buds yellow, with 5-8
rays.

Bidens squarrosa HBK.
9733. October 25, 1962

Tride cooker around 3:00 p.m.

Light shung in, arrive in July - ash zone 13 miles south of Arco de Kucnos, State, Michigan.

Note: Sustran about 100 feet. Dish yellow; rim in white, 3 or sometimes 4! Ray and dish - flower both fertile. Proper name: Phyllariae substanting the rays each nearly joined to the 2 adjacent receptacular facets, partly enclosing the ray achene.

Galinsoga (Stemadrella) urticifolia (H.B.K.) Benth.

Galinsaga (ID)
9/34 - October 25, 1962
In open pine-oak woods
in range 15 miles south
of Arico De Rosales, State of
Michoacan, Mexico. Elevation
about 4,000 feet. Flowers
white or faintly lavender -
period.

Stevia aschenborniana Sch.-Bip.
Oct 26

The plant region is fundamentally different. I will soon return to the area of all the
mounds. Estimated 2020

I am thinking about
2 m tall. D. 30 cm up. Keep leaves orange and
mostly 13-21

Zexmenia crocea Gray

2-24-22 9
1738 - October 26, 1932

In tropical direction, about 20° north, etc. 25 miles north of Anahda Rosales, State of Michoacan, Mexico. Elevation about 700 ft. Locomotion 1 mile about 3 m tall past rise of sea, mostly in the about 31 rays.

Ray achieves fertile, Tricentraeus, with 1 long, paleaeus - winged inner and 2 short ones. Dish achieves flattened, the arm with inner angle elongate, paleaeus - winged, the one on the outer angle much shorter, flattened and not winged.

Notoptera equilibra (Gray) Blake
1939 - October 26, 1962
Day tropical deciduous
forest. About 33 road
miles southwest of Aris-
soles, state of Micho-
acan, Mexico. Elevation
about 600 feet. Flowers
unknown.

[Handwritten notes]
9700 October 26, 1940
Dry tropical deciduous forest about 34 miles southwest of Arco de Rasales, state of Michoacan, Mexico. Elevation about 600 feet.

Barroenia sessilifolia

Greenm.
1741 October 26, 1762
Bohoy road shoulder about 27 road miles east of Apatzingam, State of Michoacan, Mexico
Altitude about 750 feet.

Dish white, tarnishing metal dingy in age. Rasp deeply
twisted, a notch 5, seldom goes to 6.
1742 October 27, '62
Second growth in oak
press 32, 15 road
mill south 06
7 Michigan, Mexico.

Seed 1.5 350 cc.

Says thanks about Mr. Tall.

Mead's white. A trellis mark
has 5 disk flowers and 3 incon
descent ray flowers. Pyles of about 11 or 12 scales.

Disk flowers 5, Rays 2 or 3,
inconspicuous.

Calea Zacatechichi, Schlecht.
1843 - 10th and 7th, 1843
west spanning south, four
2 mi in the foothills
13
1st, 2nd, 3rd, 4th
Local man, 2000 feet
Elevation, about 3500 feet. Branching,
clumps to shrubs about 2 m.
Tall. Flowers white.

Eupatorium collinum DC.
1744 - October 18, 1962
Same place as 1743.
Slender, scarcely branched
shrubs 2-3 m. Tall. Dish
yellow. Rays white, mostly
5-8, readily deciduous.

Montana subtruncata Gray
Melampodium perfoliatum

H.B.K.
October 28, 1962

Open oak woods on hillside in foothill
about 13 road miles
south of Tecpan, State
Michoacan, Mexico.
Elevation about 3500
feet. Trees mostly
clustered on a terraced
ridge 2-3 m. tall, the
largest 10 m. tall. Flowers
Bolanosa coulteri Gray
17 - Oct. 28th, 1922
In moist savannah in oak-forest 3 miles in the hills about 13 miles south of Truckee, Nevada.
One of Muscaria. Flowers are about 3 inches tall, hairy nearly to the base. Bulb has brown outer skin, form a polyspermous root. Seedcoat is purple-spotted. Flowers white.

Ophryoscorpus petraeus (Rob.) Rob.
1948 - October 28, 1948
Same place as 9457. Stems taller but scarcer.
Flowers somewhat smaller, somewhat uninviting, commonly 2-3 in a cluster. Flowers white.

Eupatorium incomptum DC.

Ageratum salicifolium Hems.!

Campeche. Approached mountain ridge top in the foothills about 13 road miles south of Huanapan, state of Michoacan, Mexico.

Elevation about 3500 ft.

Stems about 15 ft. tall, openly branched, some at top strongly leaning.

Flowers pale yellow.

Lagasca heteropappus Hems.

...
1751. October 28, 1962
Chester to Crookston, 11 miles, 11 1/2 road miles.
Chester to Yankton, 4 miles.

Vaccinium lacustre pericarpum, the

About 3900 feet, 3900 ft.,

About 7 in. tall,

About 1.5 in.

Thick at the base, branches,

The leaves, spinach-like,

Hairy, sticky, and sticky.

Leaves turnate

Leabrum glabrum Hemsl.
Var. hypoleucum Green,

Leabrum 4
2752 - October 28, 1962
Steep, shaded banks on west slope rim on 11 road miles south of Chihuahua, State of Chihuahua, Mexico.
Elevation at 1 and 396 feet.
Plants 1.5-3 m. tall single.
Stemmed from the base, not much if at all branched, leafy nearly to the base arching out over the bank. Flowers white. Receptacle chaffy, the scales deciduous.

Deschampsia haerkeana DC.
October 28, 1962


Vernonia serratuloides HBK.
9754. October 28, 1962
In Oak, pine woods especially along little
ravines, 6 miles northwest of Reyes, state of
Michoacán, Mexico. Elevation about
4,700 feet. Coarse shrubs
2-4 m. high. Heads yellow,
with mostly about 8 or
about 13 rays.

Verbena greenmani Urban
November 29, 1962
Along a stone fence between the highway and a pasture in the Guadalupe district of the Jalisco state of Mexico. "Trixis rugulososa" Robins. & Greenm. is about 2.5 meters tall. It turns yellow.
9/58 - October 29, 1952
Open prairie country
20 miles road mile west of
Guelph, state of Michigan,
Mexico. Elevation about 6100
feet. Spreading about
about 1 m. tall and at least
as wide, heads of straw, with
mostly about 13 rays.

Senecio stoechadiformis DC.
October 29, 19-2

Pasture in oak zone about 2 1/2 road miles west of Jiutilpan, state of Michoacan, Mexico. Elevation about 6000 feet. Plants with few or sometimes several stems arising from a short- -linied (mostly biennial?) taproot. Heads yellow, rays opening about 13, sometimes as few as 8.

Grindelia subdecurrens DC.
September 29, 1962
Open place in oak farm 17 road miles northeast of Tamazula, state of Jalisco, Mexico. Elevational about 4,000 feet. Plants 1-2 m. tall. Heads yellow with 5-10 rays. These often irregularly 3-rayed. Rays fertile with 3-nerved, 3-awned achene. Disk achenes flattened, winged, with a pappus of 2 awns.

Verbena sp. aff. V. serrata Cav.
9761. E. Col. Nov. 29, 1942

Dioscorea esculenta Michx. in small marine in caud zone about 17 miles
northwest of Tamazula, State of Jalisco, Mexico.
Elevation about 4900 feet.

Root yellow. Rays 3 - 4, petals commonly 3, about 1.5
Blades flowers slender stalks 1 - 2 m. tall.

Chromosome number det. by
B. L. Turner as n = ca. 19 + 2
supernumeraries.

Calea urticifolia (Mill.) DC.
1962 - October 29, 1962

First tropical declines

1/4 road lines north

15 Tecomitian, state 16

Jalisco, Mexico. Elevation

is about 3,800 ft. "Shrub

1-2 m. Calif."
The 3rd October 1962
second flowering day Tropical
a-celocinium species, about
6 miles southwest of
Pichala
south of Colima, Mexico.
Flower: about 3 feet.
Stem: slender, branching
about 2-3 mm. thick. With
white, orange, red.

and about 7 miles from
the border of Colima

Zexmenia ghiesbreechti; Gray

1301 2:10
Zexmenia 5
October 29, 1962

Dug tropical deciduous forest about 6 miles Southwest of Pihuamo, state of Jalisco, about 7 road miles from the border of Colima, Mexico.

Plants in about 2000 feet, 10 inch tall, rather slender and freely branched. Leaves deciduous as the branches begin to flower, small, Rosaceae, with spot on the style hairy, very milky-viscous.

Liabum caducifolium Robins. + Bartlett
The Journal 30, 1866

Second Growth

Sub-Tropical deciduous forest, just south of
family, and 18

miles northeast of Colima,

Station 36 as far.

6 ft. recorded as a height.

2 - 4 m. tall, with

many leaves.

Liatum glabrum Hemsley

var. hypoleucum Greenm.
Open places in oak-pine woodland area on the northwest flank of the Nevada de Colima about 30 road miles west of Ciudad Guzman, State of Jalisco, Mexico. Situation about 6600 feet. Shrubs about 3 m. tall. Heads yellow, mostly with 10-12 rays, well developed. Pappus none.

Viguiera hypochlora (Blake) Blake
1967 - October 31, 1967
Open places, especially along small, rocky
draws in oak-pine
woodland area on the
northern flank of the
Nevado de Colima, about
23 road miles northeast of
Ciudad Guzman, state of
Jalisco, Mexico. Elevation
about 6100 feet. Coarse
herbs mostly 2-3 m tall,
with clustered stems.
Head yellow, with mostly 5 rays.
Chromosome number det. by R. L. Turner
AS n = 30 + 1 fragment.

Senecio hederoides Greenm.
1976-October 31, 1962
Overhanging a high
Tlaxco-hank in pine-son
woodland on the northwest
Flank of El Nevado de Colima,
About 24 road miles west
of Ciudad Degregan, state
of Jalisco, Mexico. Elevation
about 5700 feet. Orchid
denuded mostly 2-3 m.
tall. Flowers white.

Eupatorium areolare oc.
1769 - October 31, 1962

On a dirt road at 's site along the road, probably originally oak-pine now mainly cornfields, 2 miles west of "s site, and about 28 road miles west of Ciudad Guzman, State de Jilisco, Mexico.

Elevation about 4,800 feet.

Some perennial herb, presently deep-rooted, mostly 1.5 - 2 m. tall.

Leaves prickly - margined. Flowers dull blue-buick

Periza rigidia (DC.) Gray
October 31, 1942

Weed along stone fences at margin of cornfields about 5 road miles northwest of Jarmin and 31 road miles west of Ciudad Obregón, state of Sonora, Mexico. Elev. about 4350 feet. Branching, slender shrub about 3 m. tall. Flowers yellow.

Lagarosceae decipiens Hems.

315
17 8
1977 - October 31, 1962

Along the edges of a small, interior-shrub-dominated tropical deciduous forest, about 1 mile northeast of Totolimianga and 32 road miles west of Ciudad Guzman State of Jalisco, Mexico.

Elevation about 4,000 feet. Amboregent shrubs mostly 3-5 m tall. Differ: pale. Keys 2 & 3, white.

Montanoa myriocephala Robins. & Greenm.

3'5

Montanoa 3'5 m
1972 - October 31, 1962
In thorny scrub woods dominated by Acacia, on slopes of limestone hill about 4 road miles east
of Sotama and 4 1/2 road miles west of Ciudad
Vigüera, State of Jalisco.
Altitude about 2,850 feet. Plant is mostly 1-1.5 m. tall, shrubby to
wood the base with several
long branches of the
reason. Heads yellow,
about 8-12 cm. times 10
ways, then reduced, with
reduced pappus. Dehisceshally.
Pappus of several filaments
scale, 2 of them armed-tipped.
Viguiera dentata (Can.) Spreng.
July 13, 1962

by thin soil on west-facing stony cliffs on the south slope of the mountain.

15 miles west-southwest of Acatlan, State

of Jalisco, Mexico.

Subtropical deciduous forest zone. Elevation

about 3500-4000 feet.


radiates quadrinerved with 2 short, 2 shorter, hair-teeth-tipped corona scales.

Viguiera tenens Gray

f. alba (Rose) Blake

8110
On steep slopes in the
northern forest on the seaward
slope of the mountains 11
road miles southwest of Auklan,
and 2 road miles southwest
of Waikea. Elevation about
4500 feet.

The U. S. Forest Service, men or less in
charge, men or less
as its with a single main
stem from the base, mostly
2-3 m. tall. They stem up to 4 m.
with at least. Needs
height enough.

"Cacalia suffulta Greenm."
(not truly a Cacalia)
1773 - November 1, 1774

Cress, arching, slight
flattened semi-shield 3-4
mm. tall, hanging out over a
raised ramine. Main stem
flattened, 2-3 cm. thick.
Plants on whorl in 4's on
the main stem, opposite on
the flowering branches.
Flowers white. Receptacle
happy.

Piptothrix palacea Crong.,
spin. nov.
1776. November 1, 1862
On steep slopes in the
west zone on the seaward slope
of the mountains, 10.5 miles
southwest of Antlum, and
1.3 miles southeast of the
pass bolívar, mexico. Altitude
about 4500 ft.

Bush or tree, reps to at least
10 cm. Half and 1/5 dm. thick.
at base, 5-10 cm. thick.

Eupatorium hebebotrynum (DC.)
Hemsl.
Oxyppappus scabber Benth.
9-7-78 - November 1, 1978 -

Drove up road near the crest of the mountains about 10 miles southwest of Aultman, State of Maine, Maine. Elevation about 5000 feet.

Shrubs 1 - 1.5 m. Tall.

Flowers orange, with about 71 rays. Ray achene trigonous. 3-awned. Disk achene flattened. 12 to 2 unequal arms and several small scales.

? Zexmenia helianthoides Gray
9779 - November 2, 1962
In mud on the rocks along
a small stream first
west of Aguathla, and 41
miles north of
Aguathla, State of Jalisco,
Mexico. Elevation 4250
feet. Heads yellow, with
3 - 13 rays.

Bidens 

Coreopsis Cordylocarpa Guay

Type collection
9788 - November 2, 1962
Same place as 9778
Dish yellow, Rays about 20, oval.

Aster spinosus Benth.
Unarmed form
November 21, 1962
Time place c. 5:10 P.M., mostly 5-7

Dioic, bi-flowered, yellow, ray 1 or 2, very short, white.

Pappus of 2 long achenes and 2 unequal broad scales.

Tagetes micrantha Cav.
1782 - November 2, 1962
Subtropical deciduous forest and south slope (oaks on north slope) at about 8
road miles southeast of
Acapulco and nearly 50
miles northeast of
Antananarivo,
state of Jalisco, Mexico.
Elevation about 5000 feet.
Trees up to about 10 m. tall
(11 touch up to 3 m,
height at base. Heads yellow
usually 5-8 ways, thin
neutral, with weak pappus.
Disc actinian, long-hairy, not
winged, with a pappus of 2
paleaceous aments and several
shorter, lanceolate, men or
less connate scales.

Viguiera quinqueradiata (Cav.) Gray
Helianthoides (10)
9733 - Mar. 12, 1962
In wash (Ageratella palmeri (Gray) Rob.) macrophylla
forest, over rhizomes, at the
mountains 12 road
miles southeast of Ayutla,
and about 52 road miles
northwest of Acultlán, state
of Náhuatl, Mexico.

Elevation about 5700 feet.
Plants tending to become
thicket at the base. Heads
yellowish.

Ageratella palmeri (Gray) Rob.
9784 November 3, 1912.
taste place as 9786

Dish wrapped, scoop 2-5, lavender

Cosmos exiguum Gry
Verbesina stenophylla Greenm.
dupl. det. James Coleman
9786 - November 2, 1962
Observations on oaks
(Quercus macrophylla) in the
Sierra Tarlas 15 miles southwest
of Aguadilla and about 55-
road miles northwest of
Aguadilla, State of Jalisco,
Mexico. Elevation about
5400 feet. Plants showed
symptoms of the least of
inFLuence - people.

Carphochaete Grahami Gray
n July 2, 1962, we went to work along the west of the mountains.
21. over miles southwest of
Quinta and about 60 miles northwest of
Quintana, state of Jalisco,
Mexico. Climaxed about
1500 feet. Rains 5, people.

Cosmos crithmifolius HBG.
9.3.58 - November 2, 1962
Same place as 9.3.87.
Heads yellow. RAYS mostly 5 or 8, sometimes 6 or 7. PAPERS of 2 short, smooth, recurved awns.

B. triplinera in HBk.
sep. lat. ?
November 3, 1962
Mount, shaded banks along the roadside in
a forest region along the
west of the mountains,
28 miles northeast of Auclair,
12 miles north of Auclair,
9 miles west of Acuna,
section about 6,700
feet

Jaegeria macrocephala less.

8
9790 - November 3, 1960
Same place as 9789,
Heads yellow. Ray, typically
6, sometimes only 6 or 7

Siegesbeckia jorullensis
HBK
November 3, 1962

Rocks sides at edge of cornfield in far forest area about 2.8 and midway west of register, and about 7.0 miles north of post. Section 25, T. 4 N., R. 16 E., Elev. 10,000 feet.

Left there for about 15 miles, thickly forested, and near 13-18 maps, there steadily with reduced pappus, Athens thickened, with pappus of 2 paleaceous around several short in fernlike mats.
1792 - November 3, 1792
Along the road near the town in her journey along the crest of the mountains, about 28 road miles, west of Agnita, and about 90 miles northwest of another state.
Yacito, Mexico. Elevation about 6700 feet. Stems about 1.5 m tall. Flowers dull white.

Archibaccharis serratifolia

(H.Bk.) Blake
Roadside Notes in the forest zone along the crest of the mountains about 35 road miles west of Agua, and about 170 miles northwest of Acuña, north of Indio, Mexico. Elevations about 6700 feet. Plants up to about 1.5 m. tall, much branched or hairless. Heads orange, yellow, with 5 short rays.

**Bidens durangensis** Sherff
dupl. det. E. E. Sherff

On hanging Moss Bank along the roadside near the crest of the mountains in the fir forest zone about 26 miles west of Augusta, about 70 miles north west of Austiana, state 16 miles, Alabama. Elevation 1,100 feet. Soft hands plant 1 1/2 m. tall, the tubular flowers 7 the spreading square. Dish flowers. Rays mostly 5, petals lavender especially along the veins. Peppus (1962)

Bids mollisfolia
var. glucrescens Shnfr
(Sppl. det. E. E. Shnfr)
November 3, 1962

On mixed forest of fir and deciduous angiosperms, along the coast of the
mountains about 29 miles southwest of Augusta.

and about 70 miles north
west of Antioch, State
ROUTE 5, Colusa Co.
about 6500 feet or so per
surveyed. 1-1.5 m. tall,
becoming shrubby toward
the base. Heads yellow,

Trigonospermum melampodioides

Trigonospermum 5
G 796 - November 3, 1962
In mixed forest of firs and angiosperms along the base of the m. Zains, about 30 road miles west of Agnita, and about 70 miles north-west from Turnau, Jasioo, Pustics. Elevation about 650 to 700 feet. Flowers about 0.10 to 0.15 ft tall. Flowers very pale gray - lavender, almost white, about 25 in each head.

*Eupatorium collinum* DC.
27-13 - November 3, 1963

Open on 1 pine rounds in
the mountains about 32
miles west of Agua
and about 70 miles northwest
of Saltillo, in the state of Jalisco,
Mexico. Elevation about 6,400 feet. Stems loosely
curled and fibrous-rooted.
Stems slender and compact.
The pine system. Flowers
Eupatorium pulchellum HBK.
November 3, 1962

On a trip to the forest of


Neck yellow, with 5 rays.

Chromosome number: det. by B.L. Turner

as n = 30.

Senecio langlasssei Greenm.
December 3, 1962

Stems loosely clustered and a completely branched system of branches. Flowers larger and later, almost 28 per head.

Eupatorium cardiophyllum Rob.

Wet meadow along a small stream in the mountains about 32 miles west of Augusta and about 70 miles northwest of Rutland, State of Maine. Elevation about 6400 feet. Plants single. Stemmed in a slight apex. Marginal leaves very thin, hairy, bright pink lavender. Stems simple or with 3-5 pairs branches terminated by a head.

Centaurea americana Nutt.
O�01 - November 4, 1962
Open arid-rose shrubs in the mountains about 32
1000 miles west of Aguila,
and 200 miles north
cent. to southern, station.
Lou, Chihu. Elevat. about 6300 feet. Plants
reached on a compact
clump, according, fibrous root
nicks. Leaves mostly oppo-
tate, varying to alternate,
ternate, or scattered.
Nodo; in upper yellow.
With more than 15
rays mostly about 15
sometimes only 8. Are almost
compressed - quadrangular.
Rays none.

Viguiera excelsa (Willd.) Brit. & H. sens lat.
Viguiera 8
9802 - from number 4, 1942

Sterile, nearly or quite without petals. Deep lilac blue, 6-8 mm long. Unopened rosettes of bracts dense.

Cosmos carrifolius Benth.

Cosmos 5
Sub. - November 4, 1921

There were several in many an
accretion of tuberous-thick
yellow, deep yellow,
Purp. B, lavender, purple,
sterile. Schemes much
1 or 2 short, extremely
rounded areas, around.

Cosmos intercedens Sherff
dupl. det. E.E. Sherff.
Note: November 4, 1962.

Sample from 7803. Distilled water, Room 1-5.
Typically 5' above.
75 = \frac{3}{2} \times 78 = 3 \times 78 = 234

800
824

17021
642
102
132

16
6.5
18.24
20
6.5
8.5
30
3.17

808
324.5
33
4.75

\text{sum}