$5.00 Reward
for return to
Dr. Arthur Cronquist
New York Botanical Garden
Bronx, New York 10458
U.S.A.
10/20 - September 26, 1965
Chihuahua, Mexico:
Swale in sand dunes 6 miles south of Sanalayucan and 38 miles south of Juarez.
Plants annual. Rays 4-8, mostly 5 or 8, rich lavender-pink, stigmas linear, deeply trifid.
Elevation about 4,000 feet.
Palafoxia sphacelata
(Nutt.) Cory
Chihuahua, Mexico.

Pectis pappose Harv. + Gray
10722 - Sept. 27, 1955
Chihuahua, Mexico. Rocky, felsitic east slope in desert grassland (above the Lava Zone), 8 miles north of Parrita and 56 miles north of Chihuahua. Elevation about 5,100 feet. A single much-branched shrub nearly 1m. tall. Leaves indiscriminately opposite or alternate. Heads yellow, with 7-10 (mostly 8) rays.

*biquiera* *cordifolia* Gray

Viguiera (10)
10223 - September 27, 1967
Chihuahua, Mexico, from the same place as 10223.

It is loosely clustered on a fibrous rooted base. Carollas and styles blue lavender.

Ageratum

corymbosum Zuccagni.
October 27, 1905
Chihuahua, Mexico.
"Desert grassland (above the terra zone), miles north of Parral"

rel eff. 1
10225 - Sept. 27, 1965 -
Roadside weed in desert
grain land (above the Santa
Rae), miles northwest
Panamint and 56 miles north
of Chihuahua, Chihuahua,
Mexico. Elevation about
5100 feet. Selected
small specimens. Larger
plants more freely branched,
leafy to near the top.

Heads yellow. Rays 32-58,
in several series, becoming
reflexed in age.

Baileyua pleniradiata Harv. & Gray

Baileyua pleniradiata
16226. September 27, 1965
Chihuahua, Mexico
Desert grassland 35 miles north of Chihuahua.

Elevation about 5300.0 ft. morelly 4-7 dm. tall. Heads yellow. Rays 7-16, mostly 8 or 13.

Senecio longilobus Benth.
10227 - Sept. 28, 1905
Chihuahua, Mexico.
On west-facing, rocky, alluvial slope overlooking a dry wash, with acacia and other desert shrubs, about 23 miles southeast of Chihuahua. Elevation about 5000 feet. Tall shrubs about 5 dm. tall. Heads yellow. Rays 13-17, relatively short.

Zexmenia brevifolia
A. Gray

Z. zephenxia brevifolia. [Red Circle]
10228 – Sept. 28, 1965
Chihuahua, Mexico
Moist scale along the roadside, 45 miles south-east of Chihuahua and 2 miles northwest of Mesquite.
Elevation about 3500 feet. Plants colonial by rhizomes with scattered stems. Heads yellow, Rays relatively numerous, mostly 10-16

Solidago scabrida DC.
10-22-9 - Sept. 28, 1965
same place as 10-22-8.
Plants spreading below ground, much widely scattered stems. Disk yellow. Rays 14-24, lavender

Aster pauciflorus Nutt.
10230 - Sept. 28, 1965
Some places as 10228.
Stems solitary or
loosely clustered, from
well developed
creeping rhizomes.
Corolla and styles
blue-lavender.

Eupatorium betonicifolium

Mill.
10231 - Sept. 28, 1965
Same place as 10228
Plants shallow-rooted
annuals. Flowers
rather light yellow.
Selected small speci-
mens; larger plants
up to about 1 m. tall
and nearly as broad.

Flaveria trinervia V
(Sprengel) Mohr.

Flaveria (15)
10232 - Sept. 28, 1965
same place as 10228.
Stems clustered on a perennial root. Stems and leaves conspicuously glaucous, involucre greenish-yellow. Flowers yellow.

Flaveria chloraefolia Gray
10233—Sept. 28, 1863
Chihuahua, Meteso
with Acacia and other
desert shrubs in Sierra
Zone in the desert between
Camargo and Jimenez.
22 miles south of
Camargo. Elevation
about 4400 ft.
Shrubs up to about 1
m. tall, glabrous and
glutinosus. Heads
discoid, yellow-
Selloa glutinosa Spreng.
10234 - Sept 29, 1965
Chihuahua, Mexico
With Acacia and other
desert shrubs around a
rocky, helotic knoll in
the desert about 16 miles
west-southwest of
Jimenez. Elevation about
5100 feet.

Shrubs 4-8 dm. tall.
Heads dull obovate, with
mostly 5 minute white rays.

Perthenium incanum H.B.K
18735 - Sept. 29, 1915
Chihuahua, Mexico.
Roadside weed in
thorn-desert country
9 miles east of Parral.
Elevation about 5700'.
Plants strictly annual.
Heads whitish, with 5
small white rays.

Parthenium bipinnatifidum
(Ortega) Rollins
10236 - Sept. 29, 1965
Chihuahua, Mexico.
Moist soil around a water-hole in thorn-desert country 9 miles east of Parral. Elevation about 5700'. Plants shallow-rooted annuals. Rays mostly 5, the basal half orange, the distal half yellow. Pepper in hand.?

Bidentes ferulaefolia (Jacq.) DC.
10237. Sept. 29, 1965

Same place as 10236

Plants adorons. Heads yellow. Rays short, mostly about 8, or only 5 on smaller heads.

Dyssodia papposa (Vent.) Hitchc.
10/238-9/29, 1965

Disturbed site at Chihuahua, Mexico. Disturbed soil along the roadside in thorny desert country 9 miles east of Parral. Elevation about 5700 ft., ants annual. Ray, maroon, persistent, (4) 5-13, depending on the size of the head.

Zinnia peruviana (L.) L.

\[\text{Mark: } \checkmark\]
10/239 Lepet. 29, 1969
Chihuahua, Mexico.
Same place as 10/238
Disk dark. Kayo
Yellow, 10-13, after
13.

Sanvitalia procumbens
Lam.
10240  Sept. 29, 1966
Chihuahua, Mexico
same place as 10238
Heads bright orange.
Kaps mostly 13, or on
smaller heads as fair
as 8.

Dyssoxia porophylla (Cau.)
Cau.
ssp. cancellata (Cass.)
Strother
var. cancellata (Cass.) Strother

Dyssoxia porophylla (Cau.)

3
10-24-1 - Sept. 23, 1905
Chihuahua, Mexico.
Amongst Acacias and other thorny shrubs in the desert 9 miles east of Parral. Elevation about 5700. Heads yellow, rays 13-21, persistent, becoming reflexed.

Hymenoxys scaposa
(DC.) Parker

219
Hymenoxys 5
Chihuahua, Mexico.

In thin soil, Thedges on felicitic outcrops in desert savannah land.
27 miles south of Parral and 10 miles south of Villa Matamoros.
Elevation about 5,700 feet. Heads yellow, with 2-3 short rays.

Heterospermum pinnatum
Cav.
Sept. 30, 1965

Same plant as 10/14.2.

Plants strongly licorice-scented.

Disk yellow, Rays 0.2

Undifferent leadseven of

the same plant, Heart, white. Disk corolla

mostly 4-lobed, some 5-lobed

Tagetes micrantha Cav.
10/24 - Sept. 30, 1965
Same place as 10/24/2
Disk orange, Rays mostly 5, bright yellow, with a
deepen orange spot at the
base. Rays fertile, their
rosettes defocused.

Zinnia tenella B.L. Robins.
10-7-Sept 31 1925
Chihuahua, Mexico. In thin soil around felceite
outcrops in desert, 1 varanna
land; also a roadside well
27 miles south of Parral,
and 10 miles south of
Villa Matamoros, 5700'
Phyllarias green with
purple tips. Heads yellow,
disciform, with a
single inconspicuous
pistillate flower and several
disk-flowers.
Schkuhria anthemoides Coulter
10/24/6 - September 30, 1966
Chihuahua, Mexico. Packets
I sail in Cerrico Beast-facing
felsitic outcrops in desert
savana. Land 10 miles
South of Matamoros and
27 miles South of Parral.
Elevation about 5700'.
Delicate annuals with
thin, soft leaves. Flowers
white, very faintly
lavender-tinted.

Stevia micrantha Lag.

\( \text{stevia} \) 16
Chihuahua, Mexico. Same place as 10246. Disk yellow. Rays 5, white, very short.

Ray cymes epappose, pappus of disk cymes consisting of 18-19 ob lanceolate scales, distally fimbriate.

**Galinsoga semicalva** (Gray) St. John & White

Galinsoga semicalva
102 48 - September 30, 1925
Chihuahua, Mexico.

Investigations in east-facing pelitic rock outcrops in desert savanna land 10 miles south of Villa Motamoros and 27 miles south of Parral. Elevation about 5700 feet. Rosa-like branched, slender-stemmed shrub about 1 m. tall.

Yellowish, with mostly 5 veins. Chromosome no det. by R.C. Jackson as n = 17.

Viguiera cordifolia Gray
02-49
11:57:30

Around the base of Helictotrichon such outcrops in decent savanna land 10 miles south of Villa Metamoros and 77 miles south of Parral, Chihuahua, Mex. Elevation about 5,700.

Stems loosely clustered on a fleshy, rooted caudex, and bearing tufts of brown wool at the base. Flowers white-purple.

Perczia thurberi Gray

Perczia (7 ind. 1 sheet)

Perczia (1 sheet 2)
Pergymenum menderjii DC.
var. menderjii
10250 Sept. 30, 1965
Chihuahua, Mexico.
Same place as 10249.
Shoulds mostly 4-8
in. tall. Heads
Sunflower - yellow,
with 7-9 rays.
10251 211/95 1/1 1965

Drango, Colorado.

Grassy savanna-country 23 miles southeast of Las Nieves and 70 miles southeast of Parral.

Elevation about 6000 feet. It was clustered on a stout stump and branched outward, ascending or suberect. Ray mostly 8, lemon-yellow (paler than sunflower yellow. Berlandiera lyrata Benth. var. lyrata Pinkava

Berlandiera 7
December 2, 1965
Durango, Mexico.
Same place as 10251.
Stems loosely clustered.
Plants tending to spread by creeping roots. Heads yellow, the ray mostly about 1/3 a little paler than the disk, soon deciduous.

Bahia absinthifolia Bentham
1025 3 - October 1, 1925
Durango, Mexico.
Same place as 1025 1.
Plants annual from a
short taproot, Heads
Lemon yellow, Ripe mostly
about 13.

Gutierrezia glutinosa
(schauer) Schultze Bsp.

[Signature]

[Signature]
10254 - October 1, 1965

Durango, Mexico.

In rocky alluvium along a dry wash in grassy savanna country 23 miles southeast of Las Nieves and 70 miles southeast of Parral. Elevation about 6,000 feet. Woody-based herbs or semi-shrubs with chiseled stems. Leaves variable in width on different plants, some times some of them substituted. Heads cuneiform to yellow, rays mostly about 13, sometimes as few as 8, often deeper orange toward the base.

Viguiera dentata (Can.) Spreng
Viguiera 17
10/255  October 1, 1965
same place as 10254.
Stems coarse, clustered on a stout tap-root and branched ca. 2. Flowers mostly 13, the corolla at first whitish or ocher-
leucous, later dull lavender.

Brickellia scoparia (DC.) Gray
10256 - October 1, 1965
Durango, Mexico. In rocky, sandy alluvium at the edge of a dry wash in grassy Durango County, 23 miles southeast of Las Nieves and 70 miles southeast of Parral. Elevation about 52m (all 6,000 feet). Plant with a single stout, much branched stem from a coarse, apparently perennial root; these specimens all from the single plant seen. Corolla purpurea, rays 2. Anthere green. Guardiola arguta (Gray) Robins.
1057, October 1, 1945

Out range, Mexico. In rocky, sandy alluvium along a dry wash in gravel savanna and 23 miles southeast of Las Nieves and 70 miles south of Parral. Elevation about 6,000 feet. Plants annual, either with a single erect stem or several ascending stems. Rays 5, the distal third yellow, sharply limited from the orange proximal two-thirds. Disk orange. Pappus of 2 ex- tensionally marbled awns.

Bidens ferulaefolia (Jacq.) DC.
10258 - October 1, 1965

Durango, 10:10 A.M. Abundant in areas along the roadside in grassy savanna land 15 miles southeast of Villa Hidalgo and 95 miles south-southeast of Parral. Elevation about 6100 feet. Semi-shrubs with clustered, wingate stems 8-20 cm tall. Disk orange. Rays orange or orange-yellow, mostly about 13, occasionally as few as 10

Viguiera linearis (cav.) Schults Bip.
10259 - (October) 1945
La Durango, Mexico
San Antonio community (near its upper limits) 8 1/2 miles east of La Zarca.
Elevation about 6100 feet.
Disk yellow, Rays 4-7, most often 5, persistent white, sometimes becoming lavender-tinted vase.
Stems clustered on a stout taproot, forming broad low mounds.

Zinnia acerosa (DC.) A. Gray

Zinnia 9
10260 - October 1, 1925.
Same place as 10259.
Nests orange, discoid
tments clustered on a
short taproot, forming
broad low mounds.

Dyssodia setifolia (Lag.)
Robins.

var. setifolia

495
Dyssodia

(5)
October 3, 1965

Oaxaca, Mexico.

In semi-decent scrub with Acacia and tree-Carpentia, about 17 miles east-southeast of Oaxaca.

Felicitie substrate.

Elevation about 6200 feet.

Shrubs 1.5-3 m. tall.

Dish yellow. Rays mostly about 8, pure white, 1-2 cm. long. Locally called Santa Teresa.

Montanoa arborescens (DC.) Schultz Bip.
October 3, 1945

Some plants at 1026.1 within 2 m. tall. Heads discoid, golden-yellow. Leaves mostly opposite, or sometimes some of them alternate, or the upper ones alternate.

Verbescina serrata Cav. (discoïd form)
1 Oct 63 - October 3, 1963

and place as 10261

Shrubs or semi-shrubs up to about 1.5 m tall.

Leaves firm and harsh.

Nodls orange - yellow, with about 8 rays, or sometimes fewer.

Pappus of 2 palescence

arms and some short

Squamellae

Viguiera cordifolia Gray

Viguiera Platffold
l026 7 October 3, 1965
Some 1026! items clustered on a filiform, rosetted caudex. Leaves thin and soft, easily wilting, mostly opposite, on the upper surface nearly all of them alternate. Rays 8-12, often 10, yellow, more deeply so toward base. Disk yellow.

Pappus of 2 palescorous awns and some short squamellae. *Viguiera dentata* (Cav.) Spreng.

*Viguiera* 7-12 (V)
10/26/5 - October 3, 1965
Durango, Mexico.
Machaeranthera gymnocephala (DC.) Shinners

Machaeranthera gymnocephala (12)
Pempermeniscum
as. mendezii DC.
var. mendezii

10266

√
10266- October 3, 1965
Oaxaca, Mexico
Same place as 10261.
Shrubs up to about 1 m.
tall. Heads yellow,
with 5-10 rather small
flowers.

Pteryxia cin. pseudolucii
10267 - October 3, 1965
(Raypinto) dish yellow
Same place as 10261

Erigeron delphinifolius Willd.
ssp. neomexicanus (Gray) Cronq.
var. neomexicanus

aff Everaertia 3
Stevia salicifolia Cav.

Plants up to almost 5 ft tall. Flowers white, broad rounded, 17 miles east of Durango, elevation about 6,700 ft in the Pecos rock autumns.
269 - October 4, 1965
Zaratecas, Mexico.
In an open thorn-shrub community with Acacia and Opuntia, on a ridge-top 7½ miles south of Villa Nueva. Elevation about 1000'. Small plants ± erect; larger ones decumbent. Rays mostly 5, white, deeply tri lobed. Disk yellow.

*Triplex coronopifolia*
(Kunth) Hemsl.
10-27-65 October 4, 1965
Same place as 10-1-69.
Plants slightly mephitic.
Corolla tube pale yellowish-green, the limbs white.

Stevia microanthera Lag.
10 271 - October 4, 1865
Same place as 10169.

Plants aromatic.

Rays 5, orange, marked with vermilion near the base. Disk orange.

Tagetes patula L. ✓
10-7-72 - October 4, 1765.
Same place as 10-2-67.
Schenus or half shrub 3-10 dm tall. Leaves a peculiar bright gray-green. Corolla blue-white, tube somewhat lavender tinted.
Chromosome no. det. by R.C. Jackson as n = 12.

Stevia salicifolia Cav.
10773 - October 4, 1965
Same place as 10769.
Shrub 1.5 - 3 m. tall.
Rays 5 - 10, often 8,
pure white, 1 - 2 cm. long.
Dish yellow, large
separate leaflets from
vigorous young shoots.

Montanae leucantha
(Lag.) Blake

(Montanae)
1921 - October 4, 1925
Zacatecas, Mexico
In open thorn - scrub
Community, with Ascera
climbing a ridge 1 1/2 miles
south of Villa Nueva.
Elevation about 7,000 feet.
Tall shrubs about 3m
tall. Leaves opposite, or
some of them alternate,
whorled. Heads yellow,
with 5-10 rays. The large
leaves are from vigorous
young shoots.
Viguiera quinqueradiata
(Cav.) Gray

Viguiera
(15)
10275 - October 4, 1865
Zacatecas, Mexico.
Moist, low ground in disturbed sites in subtropical deciduous forest county 21 miles south of Jalpa.
Elevation about 4600.
Selected small specimens; larger plants up to nearly 1 m. tall. Rays 8-13, yellow, very short.
Melampodium perfoliatum (Cav.) H. B. K.

[Signature]
Oct 6, 1965

Jalisco, Mexico. Open places in savanna region 17 miles north of Taxhuanacan del Rio, and 18 miles north of Guadalajara. Elevation about 5000 feet. Coarse herbs with ascending or sprawling to loosely erect stems up to about 2 cm tall. Heads very large, with orange disk and 13-34 yellow rays, these 3.5-6 cm long. Peppers of 2 paleacontums annua and some short squamellae. Guiera pachycephala (DC.) Harms

10, inc 3 sheets
Virginia 3 sheets 2
10277-October 6, 1905
Sinaloa, Mexico.
Along a small stream in
Savanna region 17 miles
north of Tlahuacan de
Rio and 48 miles north
of Treslyceros. Elevation
about 5000 feet. Weak
shrubs growing up
among Acacias, tree
Opuntias and tree Loompons
reaching a height of 3 m.
Flora orange - yellow,
with mostly 11-15 rays
Pappus of 2 paleaceous awns and
some short squamellae.
Rhycolepis palmeri (Gray) Blake
Virginia (5)
10/7/8 - October 6, 1988
Jalisco, Mexico.

Weed around a corn field in savanna region 17 miles north of Ixtlahuacan del Rio, and 45 miles north of Guadalajara. Elevation about 5000 feet.

Items seen: several on a short-lived perennial root, heads orange, c. 0.5 inches 5 rays.

Dyssozia tagetiflora bag.

Tagetes C?
10/27/9 - October 6, 1965
Salinas, Mexico,
Weed in corn field in
Savanna country 17
miles n. of Ixtlahuaca
del Rio and 48 miles
north of Guadalajara.
Elevation about 5000
feet. Bracts blood-red.

Castilleja arvensis C. & S.

Det. Noel H. Holmgren

Castilleja
10-28-60 - October 6, 1960
Jalisco, Mexico. Weed
same place no. 16278.
Caps yellow, 2.5, most commonly 5.

Melampodium sericeum
Lag.
10281 - October 6, 1965
Sampled as 10278.
Rays 5, many short, yellow.
Web of round a corn field.

Pectis prostrata Cav.
10282 - October 6, 1965
Jalisco, Mexico. In
savanna country, merging
its subtropical deciduous
forest, 13 miles north of
Exhalhuacan del Rio, and
44 miles north of Guadalajara.
Elevation about 5800'.

Cespice shrubs or small
trees, up to about 6 ft. tall
and 4 dm. thick at the base,
rough-barked, rather
soft-wooded. Heads yellow;
ray nerves 5, or some-
times up to 8. Leaves opposite,
the large detached leaves
with
(continued)
Some specimens from negetious young shoots.

Viguiera quinqueradiata
(Cav.) Gray
10283 - October 6, 1965
Jalisco, Mexico. In open oak-juniper woodland 9 miles north of Tzintlahuacan del Rio, and 40 miles north of Guadalajara. Elevation about 6400'. Stems solitary (seldom several) and fibrous rooted crown. Flowers white. Growing with #10284, Stevia serrata Cav. and perhaps hybridizing with it, as suggested by some lines.)
specimens with more hisate stems, but no certain F₁ hybrids seen.

Stevia rhombifolia HBK.
10284 October 6, 1965 Jalisco, Mexico, same place as 10283. Stems clustered as solitary, and fibrous rooted crowns. Flowers white, flowering with #10283, and perhaps hybridizing with it, but no certain F1 hybrids seen.

Stevia serrata Cav.

S. rhombifolia HBK.
10/28/65 - October 8, 1965
 Jalisco, Mexico. In a seepage area in oak-Juniper woodland 9 miles north of Tzihuacan del Rio, and 40 miles north of Guadalajara. Atten. military or several, from a fibrous-rooted Crown, Flower white.

Stevia serrata Cav. —
Stevia 5
19786- October 6, 1965
Same place as 10385.
Flowers white.
Stems solitary.

Cacalia (Odontotrichium)
sinuata Cerv.
1628. - October 7, 1828.

In the state of Jalisco, Mexico.

In the country of Salamanca, 23 miles southwest of Guadalajara. Elevation about 5,000 feet. Stems solitary or paired. Stout, 2-3 ft. tall. Basal leaves peltate, subequally cleft to the middle or beyond; lower ending leaves peltately palmate, cleft; the others much reduced. Flowers white. Cacalia (Pascalium) megaphylla Robins. & Greenm.
OCTOBER 7, 1865
Jalisco, Mexico
Along fence rows near the south shore
of Lake Chapala, about 42 road miles south
of Guadalajara. Elevation about 5,100'. Rather
soft-wooded shrubs up to about 4 m. tall.
Rays white, mostly 5, short. The detached
larger leaves with some specimens are from
vigorous young shoots.
Montanoa xanthiifolia Schulte Bip.
Montana 0570
Jalisco, Mexico. United along the roadside in 02/19. Plants annual, up to about 3 m. tall. Rays yellow, commonly about 13 or about 8. Disk yellow, turning red in age.

Simsia adenophora
(Greenm.) Blake
Zexmenia  ceanothifolia  Schultz Bip.
10 292 - October 7, 1965
Michoacan, Mexico.
In pockets of soil along moist, felsitic cliffs overlooking the southeast shore of Lake Chapala, 4 1/2 miles east of Cojumatan.
Elevation about 5700'.
Plants annual, single-stemmed. Heads orange, discoid.

Bidens bigelovii Gray
var. pueblensis Scherff
1893 - October 7, 1893
Michoacan, Mexico
Open, thorn - brush
6 miles west of Sahuar
and 6 miles east of
Cojumatan. Elevation
about 5900 ft. Plants
perennial, with clusters
of stems 10-15 dm tall,
appearing semi-shrubby,
but the stems apparently
dying back to the
ground each year. Heads
yellow, with (13) 16-25
rays. Viguiera linearis
(Carr) Schultz
Viguieriaidae
(Vi)
10294 - October 8, 1965,
Michoacan, Mexico.
Sycamore pastured
thorn-savanna in subtropical deciduous forest zone.
27 miles east of Jiquilpan and 10 miles west of Zamora. Elevation about 5600'. Rays 8 or
not substantially 9, deep orange, with paler, more orange-yellow margins.
Zinnia haageana
Regel
10/05 - October 8, 1965
Stems up to about 2 m. tall, clustered on a fibrous-rooted crown densely brown-woolly at the base. Flowers white, sometimes faintly lavender-tinted.

Perezia reticulata
(Lag.) Gray
10296 - October 8, 1965
Michoacan, Mexico.
Pastured thorn-savanna
in subtropical deciduous
deciduous forest zone,
also a roadside weed;
27 miles east of Jiquilpan
and 10 miles west of
Zamora. Elevation
about 5600'. Heads
disciform, ovange.
Both outer and inner
pappous scales dissected into
awns.
Dyssodia porophylla (Can.)Can.
var. porophylla

Dyssodiaoid(4)
October 8, 1965
Michigan, Mexico
Open places in oak pinon woodland in the inte. 2.5 miles east
southeast of Zavala.
Elevation about 6640 ft.
Rays mostly 5, broadly notched,
deep orange toward the margins, more yellow toward the center.

Tagetes heterocarpha
Rydby

Tagetes (15)
63°35' - October 8, 1965
Michoacan, Mexico.
Mount, rocky slopes in open pine-oak woodland in the mist. 25 miles east-southeast of Zamora. Elevation about 2600'. Plants perennial, cespitosus somewhat shorty at this time. with loosely ascending stems. Leaves simple or 3-5-foliate. Rays mostly 8, purple-striped and more lavender backed. Distylo, Bidens aequisquama (Fern.) Scherff.
10/9 - October 8, 1907, Michoacan, Mexico.
On steep, rocky (volcanic) northeast slopes in oak-pine woodland in the valley, 125 miles east-southeast of Zamora. Elevation about 6600'.
Size 2-3 m. Tall. Dry, yellow, about 13. Dried lime orange.

Verbesina sphaerocephala
Gray

Verbesina
10310 - October 8, 1965
Michoacan, Mexico.
Same place as 10297.
Stems solitary or few
from a fibrous-rooted
crown. Flowers purple.

Eupatorium pulchellum
H.B.K.
MEXICO

10301 - October 8, 1965

Michoacan, Mexico.

Local place is 10299.

Items loosely ascending,
up to nearly 2 m., tall, mostly herbaceous, or
shrubby, at the base,

Flowers varying from
pale green to more often
dark bronzy-green.

Heads solitary, or several
with mostly about 13
yellow rays.

Viguiera excelsa (Willd.)

Benth. + Hodr. F.

Viguiera. 6
Montana arborescens (DC.)

Schulte Bip.
10303 - October 9, 1925

Nicollet, Minn.

The *Scutellaria* scramns, now replaced by trees, at a small summit 6 or 7 miles east of Morelia. Elevation about 6600'. Plants annual. Calyx scarlet to vermilion. Corolla rather light yellow.

*Castilleja* tenuifolia M. & G. det. Noel H. Holmgren

*Castillia*? 12
10304- October 9, 1965
Same place as 10303.
Cranz herbs with
 clustered, leafy stems
 mostly 1.5 - 2.5 m. tall.
Inflorescence up to 30 - 4 dm
wide, heads yellow,
with normally 5 rays

Senecio heracleifolius Hemsl.
10305 - October 9, 1965
Michoacan, Mexico.

Northwest slope on tall-Orozco savanna (potential forest land) at a low summit 6.7 miles east of Morelia. Elevation about 6,600 feet.

Cacalia (Odontotrichium) sinuata Cerv.

[Signature]
10306-October 9, 1965
Michoacan, Mexico

Trel-Apuntia savana (potential forest land) at a low summit 6 or 7 miles east of Morelia. Elevation about 6600.

Stems clustered, or occasionally solitary, on a fibrous, rooted crown. Flowers lavender.

Stevia eupatoria (Spreng.) Willd.
10307 May 9, 1942
Vijohuan, Mexico.
Same place as 10306.
Tall shrub, about 1 m tall. Flowers bright
lavender-blue.

Ageratum corymbosum
Zuccagni.
10368 - October 9, 1965

Microura, Mexico

On steep moist banks in oak-pine forest region in the rift about 2½ miles east of Morelia. Elevation about 7300 ft. Rays 5, white; disk yellow.

*Sabazia humilis* (H.B.K.) Cass.
10309 - October 9, 1965

Same place as 10308.

Plants actually herbaceous unbranched at the base. Rays mostly about 8, white. Disk yellow.

Bidens pringlei Greenm
103°D - October 9, 1965
Michigan, Mitten

In moist woods dominated by Pinus and Abies, in the mts. 29 miles east of Marcella.

Flowering about 8500.

Plant initially articescent, often shrubby below, erect stems loosely ascending, or scrambling, or trailing on the ground.

Head yellow, with mostly 5 (rarely 8) rays:

*Bidens ostruthioides* (DC.) Schultz Bip. 

var. ostruthioides Scherff
October 10, 1945

Michoacan, Mexico. Steep open slopes and banks in pine-fir forest region in the Mts., about 35 miles east of Morelia. Elevation about 9,400'. Soft-rounded shrubs up to 2 feet tall. Heads yellow, with about 13 rays. Senecio stoechadiformis DC.
November 12 - October 18, 1965

Rancho Santa Fe, CA.

Pistulchalo site in pine-fir forest region in the mts. about 35 miles east of Mendocino. Elevation about 9400'. Rays mostly 5, yellow, very short.

Tagetes foetidissima DC.
1933 - October 10, 1965
Michigan - Glacier
Talese slopes and cliff
crevices (volcanic rock)
in pine-fir forest
region in the not, about
35 miles east of Marcella.
Elevation about 9400'
soft-wooled shrubs or
half-shrubs up to about
1 m. tall. Heads yellow,
with mostly 8 rays.

Coreopsis rudis
(Benth.) Hemsl.
10/14 - October 14, 1965
Michoacan, Mexico.
On steep banks and cliffs (volcanic) in subtropical deciduous forest region 7 miles southeast of Ciudad Hidalgo. Elevation about 5900'.
Half-shrubs up to about 2 m. tall. Leaves rather light yellow, commonly 5, sometimes 10. Disk yellow.
Simsia grayi D. Blake
October 10, 1925
Michoacan, Mexico

Openings in subtropical deciduous forest country 7 miles southeast of Ciudad Hidalgo. Elevation about 5900'. Rather soft, wooded shrubs up to about 3 m tall. Rays white, mostly about 8. Disk yellow. The large detached bore with some specimen and brown vigorous flowers. Montanoa arborescens (Dr.) Schults

Montanoa 15
October 10, 1936
Michoacan, Mexico.
From place as 103/14.
Rather soft - wood shose up to about 2 m. tall. Heads yellow, discoid or with 1 or 2 short rays.

Verbena green manii Web. vel aff.

Verbena
10315½ Oct. 11, 1965 Mexico, Mexico.

In the pedregal at the south edge of Mexico City a mile beyond the Ciudad Universitaria's Elevation about 7600'.

Sparsely branched shrub about 1.5-2 m tall. Flowers pale lavender

Lagascea rubra H.B.K.
103/6 1/2—October 11, 1765

Same place as 103 15 1/2.

Plants annual. Flowers white, faintly lavender-tinted.

Florestina pedata
(Cav.) Cass.
10317. October 11, 1965
10317. October 11, 1965
Sample place 10317.
Length 1-2 m tall.
Rays white, mostly 5.
Dish white.

Montanoa floribunda
(H.B.K.) Schultz Bip.
103/3 - October 11, 1965
Same place as 103/3 -
Herbs about 2 m. tall,
the stems clustered on a
fibrous rooted base.
Leaves opposite below,
alternate above. Heads
green, with mostly
10-13 rays.

Viguiera adenophylla Blake

[Signature]
10319 - October 12, 1965
Mexico, Mexico
Same place as 10320
Disk yellow, Rays white, rather short 0-5, the nearer her margins
Cosmos parviflorus
(Jacq.) Pers.

Bidens 15
10320 - October 12, 1965

Mexico, Mexico

In disturbed site on mountain slopes

18 miles south of Mexico City, near the free highway to Cuernavaca. Elevations about 8800'.


24 apress.

(1) √ √

Heterotheca inuloides Cass.
10321 - October 29, 1971
Ojuelos, Mexico

In low land around
Plaza 18 miles south
of Mexico City, along
the first road to
Cerremanaca. Elevation
about 8390

Weak half shrubs,
less than low, tall.
Leaves orange red
or nearly scarlet.

Castilleja tenuiflora Benth.
det. Noel H. Holmgren

Castilleja 4
Stevia nelsonii Robins.
323 C. C. July 12, 1944, Mexico. Mexico's growing needs for the Medico-Cuernavaca free highway and cultivated fields near the summit of the mesa, about 34 miles south of Mexico City.

Elevation about 9600'. Stems clustered or solitary from a feathery rosetted base, 1-2 m. tall. Heads reddish, white. Senecio bressteatus Klatt

Perhaps better referred to Cacalia (15) Cacalia
Mexico, Mexico,

On organic soil in Grassy lawns or in pedregal-type volcano terrain near the summit of the hills between Mexico City and Cuernavaca, about 37 miles south of Mexico City. Elevation about 9610 feet and well developed with trailing stems, rooting at the sides. Herbarium specimens currently 5, in up to 8.

Pandanus anthemoiodes DC.
Cass.

Sazaarra house (K. H. K.)

which also

Faruqur Rahman Nurus Syed,

Re: No. 8, room number, 2-3, 8th anniversary,

which are in 1925.

Recently, there were noticeable

certain Marks also.

Pd. 15, 1925. Further

1035.
<table>
<thead>
<tr>
<th>Place</th>
<th>Value 1</th>
<th>Value 2</th>
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<td>Tiapan el Alto</td>
<td>161.9</td>
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<tr>
<td>entre Michoacán</td>
<td>169.9</td>
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<td>Cohuamatan</td>
<td>176.5</td>
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<td>Viga</td>
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2a v. 1.64

V. del Río

El Palacio

9

482.9

911.8

996

Hacienda

50

15004.1

Exhaluana

de del Río

027

43.1

07.2

051.0

09.3.0

22.9