

St. Louis 63110

South Africa

Nov. 8

Hermanus - Rooi Els

Hermanus

aster
asteroide
(L.) Cass. ← -es

4957 - Osmitopsis
(voucher for wood

sample) - Erect sparsely
budded shrub (coppices)
in moist swales, ca. 2500'.
Above Fernhloop. With
Bunnia leucocoides,

4958 - Spatula ^{curvifolia}, On
sedges, ca. 2500',
forming a small rounded
shrub, fls. creamy white.
With Phacoma, Rentia,
Aulax, Leucodendron.

4959. Brachysiphon,
acutus, On south -
facing slopes, below
small boulder. Flowers
pink within, corolla tube
magenta-pink. One plant
seen.

oridula

-105

→ 4960. Rouidula gorgonias,
shrub to 3-4 feet, at
margins of open swales
where low reeds &
Drosera grow on
slightly wetter slopes
than Osmorhiza or
Burnia alopurioides.
In fruit at this season.
Pickled material &
wood samples collected,
a. 2800'

4961. Barycia rubra -
on southwest slopes of
ridges, a. 2800', with
Priestleya coppices
from base. In fruit at
this season. Only one to
three stems from base
usually.

(Priestleya habit also
photographed here)

4962. Grubbia rosarinifolia -
same loc. as 4960, in fruit
at this season.

4963. Aulax, ♂ + ♀.
Shrub to 4'. Fls. pale yellow.
Just coming into flower at
this season.

4963^a. Helictes ^{chrysum} vestitum, ←
shrubby herb, to 3'. ~~Fls.~~ Heads
open in sunlight only. Seen
visited by bee as well as
beetle.

4964 composite (cucul) ←
corymbose corymbose infl's, thereby ←
nearly 2° capitula: ^{tula} ←
bracts lavender, subshrub
to 2', in dry places
2,000', with hercynia
Xanthoxomis ←

Rooi Els, floor of valley

4965 - Benzelia edclouii.

shrub to 3 feet, ~~feats~~ ^{numerous} brachyads
from base. In flower, whereas
B. lanuginosa, with which it
is intermixed, is in fruit at
this season. Peduncles
reddish. Beetles (the large
brown one) and ants

seen visiting fls. el. 100!

→ 4966. Diastella ^{bryis} ~~argiflora~~ Rounded

shrub to 3 feet. On
sandy slopes, with

→ Nabehia paleacea ^{eacea} Symphyleza

Heliotropium, rats, flowers
off white (slightly
greenish). El. 120!

Olifantsbos Nov. 9,

Olifantsbos, Cape Nature Reserve, ←

4967. Cytisapnos ^{vesicarius (L.) Fedd.} Fla. pale

pink and white. Fruits

green, veined pink. Scandent
herb, climbing on a Plum,

shrub. Near the shore,
elevation ca. 30 feet.

4968. Cytinus dioticus.

Collected in order to obtain
fruit (pencil); old male
plants collected at this time

as herbarium specimens. ^{anomaly} ←

Parasitic on Desparago anomaly,

in shallow sand areas
on sandstone plateau.

Fruits bright red, stems
white, both turning brown
when injured or dried.

Elevation ca. 120 feet.



4969, terrestrial
 Same loc. corolla
 light brown.

4970 Bravium ^{stellatifolium}, cult.
 Kistenwood. Tree to
 30 feet when old, as in
 "Van Riebeck's hedge".

4971. Chondropetalum

→ ^{huysenica} esterhuysenica, from
 mek between Sommet
 Sneehoop and Landroost
 Kop, see Nov. 1 for
 date. In 4936 locality.

→ 4972 Poella ciliata L.
 from
 4968 loc. for violet
 within, blue at throat

4973 - same loc. -

Iflora seriphoides,

Nov. 10. Kirstenbosch

4974. Passerina vulgaris,

Native in Kirstenbosch.

Shrub to 4 feet. Flowers
red to sordid white,
varying with plant.

4975, Penaea mucronata ←

shrub 6 feet tall, near

Compton Compton Herbarium ←

native. Flowers light
lemon yellow. With

Pruta, Beyleria abrotanoides ←

4976. voucher for
wood sample + petals

4976. Montinia caryophyllaceae

petals of ♂ + ♀, shrub to 3 feet.
white Voucher for petals.

4977, Rhus, shrub 4' tall.
Same loc. as above.

4978. Burnia alopesuroides
from Hermanus, Nov. 8,
along ~~cut~~ seeps, south
slopes, with Osmintopsis.
Going into fruit at this
stage, heads red. Shrub
to 3 feet, with a single
stem.

4979, Peltzia capensis -
same loc.

? SKIP 4979 → 4982 incl.

Photographed in Kinstenbosch

Nov. 11:

1. Erythrina abyssinica (has
sepals colored red as
well as the fls. (close, close
views))

2. Salvia africana-lutea
(brown fls.) CU

3. Protea multibracteata
(top & side views;
side views show CU
scratches by birds)

4. Roella ciliata L.
2 fls, one front, one side
view, has a beetle in it ^{close} CU

5. Protea speciosa (pink,
brown fur at tips of
bracts). ^{close} CU

6. Butterflies on Begonia
lanuginosa CU

497 Photographed in K' border

Nov. 12;

498 (1) Protea canaliculata.

498 (2) Combretum microphyllum

(3) Vellozia retenerosa
(herb)

also, at night,
UCU's of the
Combretum
flowers.

4

Row

Star
Her

Nov. 14
Pilaarkop, from
summit downward.

4982 - Londrostoma
esterhuyseana

Rounded shrub to 2 feet, growing chiefly
in boulders near summit
ridge (W. of summit), always
on south exposure. Fls.
clear pink, sepals ~~conic~~ (coriaceous)
rose. Branched often from
near base. A few plants not
among boulders, but young -
probably does not coppice, protected
by rocks

4983 -

start
Here

fls. pink.
Growing in wet band
on steep slopes near
the summit ridge.

4984 - Eurylobium

Common shrub to 4',
tends to be divaricately
branched, on the upper
slopes. Fls. white &
with Erica xanthina,
other Ericas, restiads

4985 - Erica

carduifolia. Very
subshrub, to 1',
chiefly growing amid
taller Ericas (E.
xanthina, ~~etc.~~ E.
intervallana, etc.)
restiads. Fls.
pale violet, non-
glutinous.

4986 - Paspalia variabilis

A few shrubs in ~~the~~
crevices on rocky outcrops
near summit, top sprawling.
Going out of flower at this
season.

4987, - Erica sp. nov.

acc.

acc. to E.E.

Shrub to 6', on or very
near scree (boulders,
chiefly) slopes near
summit ridge. Fls.

purple.

-igiata

4988. - Erica fastigiata

-imperialis^{-s}

Occasional, but rather
common as isolated plants,
in a certain swales on the
slopes below the summit
ridge. Sparsely branched.
Fls. violet, green at divisions.

→ 4989. - Erica lampes^{lampes}
~~subulata~~ subulata

to 2 feet, occasional.
Chiefly with other Erica
restiads, in rocky areas
ca. 500' below summit
ridge. Fls white, suffused
border

→ 4990 - Erica^{goat} godtzgerianum
var. petrensis

Always in rock crevices,
forming mats up to 1' in
diameter. Fls. pink:

distal tip of corolla tube
green, fading brown.

Alt. ca. 4,000'.

4990a = Erica brevifolia
usually in rock crevices
here. to 1'. Fls pink.

4991 - Erica obtusata -

Always in rock crevices,
most plants forming mats
less than 6" in diameter.

Fls. white, fading sordid
white. Ca. 4,000'

Lycopodiodes lycopodioides ←

4992 - Byzomyrta in

rock crevices, forming
small cushions from

1" in diameter to larger
mats tightly ensconced in
crevices. disk fls. lavender,
large white.

4993 - Harveya squamosa

At about 3,000'. Parasite
here chiefly probably on
Stodde and Desparago,

but probably also on
such genera as Hgathelpis.
Plant yellow-orange

line of corolla bright
orange.

Nov. 15 -

the above photographs

+ →

4994 Vellozia retroversa
in fl. habit +

UCU's. fls. pale violet.

also a l-s. ovary of

* Lonchostoma purpureum
showing an ovule
well.

note
bec. this
photod
amid
L. real
etc.

+ Ericablenna with
fls. (day after)

4995 + Buddleia saligna

tree to 12 feet

fls. white

padding solid white

Cult. near guest
cottage K' bosch.

(+ UCU fruits + seeds of

4982 Lonchostoma esterhuysenii)

Nov. 16

photographed from K'bosch;

UCU 4995 Buddleia saligna

-eiz



UCU Pharmacum aurantium

(Molluginoid)

UCU ~~Harmanum~~ Maheina verticillata

4996

UCU Onobanche minor

4997

UCU Pitosporum viridiflorum

4998.

Nov. 17 photographed
at K'bosch

Brabejum stelligerum

40 mm. UCU

Lonchostoma esterhuysenae
+ butterfly.

(Nov. 17 cont'd)

Strelitzia regina in
fruit

Orobanchae minor habit
(on Cineraria
serotina)

butterflies on Scabiosa
buckiana

Pitospom viridiflorum -
cluster of fls. cv

Nov. 18
Vogelgat.

4999. Stictis ^{rupestris} in rock crevices,
George Washington's head.
Only in crevices. Fls. white,
mostly past at this season (but
photo VCO in Aug.). To about
10 cm tall, mostly less.

5000 Brachyseton rupestris
In rock crevices only, same
loc. Substrat to 10 cm.,
often less. Perianth tube rose,
corolla lobes pink. In narrow
altitudinal belt, very little
above or below this level.
Not collected for about 60 years.

5001. Drosera ^{scapa} curviscapa ←
in stream (although also
on dry flats nearby,
where it leaves green).
Leaves red. Fls. violet.

No markings on
petals. At ca. 3,000

5002: [redacted] 'Fls. white,
spotted pink. In
moss banks in ~~shady~~
rock crevices near
stream, ca. 3,000

Jump

5003. Elegia argentea
→ sturdy, clump, tristylis
red, very fleshy. With
→ Adiantum ^{-chrysom} sesamoides
→ A. vestitum, Pennisetum
muricatum

5004. Dilatris. On
dry flats of ridges,
ca. 3,000. Fls.
violet. leaf bases
bright orange

5005. Erica azalaeifolia
Fls. white, shrub to
2 feet, local ^{slope} near
stream, ca. 2,500'.
With dendropetalum, Elaeagnus,
Rosa, Fls. white.

5006. Elegia spathacea
common on flats and
ridges at ca. 3,000', with
Penaea helidrypa,
~~5007.~~

5007. Erica cumuliflora
shrub to 2 feet, very
common on ridges
and flats at ca. 3,000'.
Fls. white. With
5006.

prostrate Leucandendron photos
spec. not kept

5008. Mimetes palustris

On south-facing steep
slope, ca. 3,200',
sand. Not wet, but
not far from an

Osmitopsis swale. Bracts
& fls. pale yellow, with
Retzia

→ 5009. ~~Leucandendron~~

~~prostrate~~ hypochaeris in rock-
crevices

fls. yellow, orange with
age. sprawling, to

3' in diameter at 5008

loc. below Osmitopsis
swale. With Retzia.

5010. Gubbia tomentosa

on rocky ridge,
common, with

Elegia, Retzia, Erica

caeruleiflora, shrubs

to 3 ft high, fls.

diameter. Voucher for wood
samples

5010a = Erica obliqua
fls. purple.

5011. Erica massoniana
fl. ca 3,500', on steep
slope of ridge, in
sandy soil, S. aspect.
Fls. red-orange, greenish
within at tips.

5012. ~~Panicum~~ Paspalis
microphylla in
rocky outcrop at ca.
shrub from <1' to >3' high,
in crevices or among rocks,
ca. 2,000'.

5013. ~~Selago~~ Prionium Prionium ↙
In river, ~~as~~ clumps
to 2 feet tall, varying
in size with age &
exposure to stream action

5014. Selago. Along
trail ca. 1/4 mi inland
from road, fls. blue
violet. Erect herb, bracted
from near base to 1'.
With Benzelia laungiana
- tahoides

→ 5015. Benzelia abrotanoides

→ ^{near} Sir Lowry's (Munsiuhung Pass)
Sandy soil, ca. 2 mi
E. of Sir Lowry's
Pass, along NZ-3
to 3'. fls. white,

Nov. 19.

photos in K food

the above +

→ 5016 ~~Glaucium~~ miranthes
^{us} miranthes plantagineus
plantagineus

5017

5018 cordat. Erica

+ a pink
Protea repens tubular glutinous petals
fls. tipped white.

Nov. 20, ~~West~~^{East} of Ceres,

Milner

W. of Milner Peak ←

Hex R. Hex R. Mts., ca. 3,000' ←

Vlakte Vlakte & below. ←

5019 - Roridula^{dentata} seedlings ←

about 4 years old,

presumably since Ceres

fire caused by earthquake

(Same as below except

Nebelia). Leaves larger

than in mature plants

4644. In yard near border
of Vlakte margin

5020. Lonechostrum myrtoides,

fls. light red-violet,

mostly past anthesis

and with young fruits at

this season. Plants

definitely coppiced, after

fire. In depressed

part of Vlakte, ~~to~~ close

to running water but
not directly adjacent
to it.

5021. Lonchostoma monogyna
pentandrum?

same loc., but along
running water, sadly
only, ca. 2-3 years old
at most, apparently.
Past flowering at this
season.

^N
5022. Pebelea Stokesii ^{vingate}
→ Fls. white, ^{vingate}
shrub to 5 feet, mostly
shorter. on rocky
areas at margin of
blacks,

5022a = Dilatius

5023, Sorocephalus

~~alopeurus?~~ lanatus
tanos

Seedling, flowering for first
time, to 2 feet. Fls.

lavender. In sand at
margin of Blakely.

5024, Serruria pedunculata

SERRURIA
SEXUALIS

same loc. Fls. pink:

Shrub, rounded, to 2',

5025, Protea, flat mats

on ground, leaves

notably glaucous.

Protea glaucophylla,

forming mats up to

3 feet in diameter in

sand above Blakely.

Mats greenish white.

Teedra

→ 5026. Teedra (sands like)

— (close to Ofelia). —

Often in rock crevices,
occasional also on open ground.

Fls. lavender, to 6"
tall.

→ 5027. ^{Cavern} Carex near

sidge summit —

Felicia, Felicio

5028 — same,

Lobelia. Fls. blue
purple; colonies on moist
soil banks.

5029, same,

Crassula: Fls. white.
Colonies on soil banks.

5030, same, Guia

crystalliflora, a few
→ shrubs in soil banks ←
corolla pale violet, sepals
white.

5031. [redacted] fls. pale yellow.

at ca. 2,500', in white
sand, rocky area with
Elegia, Willdenowia

5032. along stream, ca.

2,000' -

Guia purpurea,
fls. globular, sepals reflexed,
corolla purple

5033. [redacted] fls. white,

large sepals marked
purplish, tips deep
purple on outside.

in sand, ca. 1,000',
with Elegia humilis.

Elegia humilis ←

5034, Guia glauca
Subsp. glauca,
Sandy flats, 2000'
Fls. rose

→ 5035, Guia ^{sphaer} sphaerocephala →
(name controversial -
also has a common
name beg. with m...
(think), - like "madder"
Fls. rose. In sandy
flats wet in winter.

Nov. 21

Highlands - Villiersdorp - Franschoek

5036. Highlands Forest Reserve,
above Kleinmond. Slopes ←
with restiads, Helicidrys.
— Paranomus caledonica. ^{round} shrub
to 2 feet, fls. pink. ^{serpyllifolia}

5037. Diastella serpyllifolia ←

n. subsp. Fls. pink,
sprawling mat-like shrub
to 4' in diameter. (will be

5038. ~~Spatella~~ D. divaricata)
~~Sarcophallus~~ mulaga ←
shrub to 2', branches
slender, divaricate,

branched, fls. creamy white.
5038a Fulax pallida

Villiersdorp. Neck separate ←
^{-sdorp}
Kaimansgot
Kaimansgot valley ("fig door") ←
from Stettynskloof ←
Stettyns —

5039. Spatalla thyrsiflora
forming apparent mats
close to ground, because
shoots from the underground
~~sub~~ stems ~~and~~ coppicing
after burn; first year
to flower since burn.
Fls. pale pink, almost
whitish.

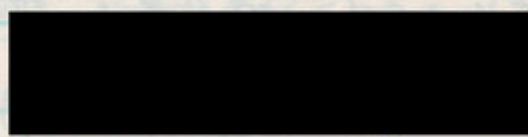
5040. Tittmannia
esterhyseniæ, Forst
shrub to 3 feet for
underground stems
habit like Andouinea,
In bud + fruit at
this season. Fls
brownish-green.
With Leucospermum
Protea, Phyllis.

Riverside
de

Riverson-derend

Road paralleling upper Nieuweberg
Riversonderend, N. of Newburgh
- Sonderend
leads from Franschoek-
Villiersdorp junction

5041.



Flowers

bright yellow, Aug

restiads

5041a. Linum capense. To ←

2', fls. bright yellow,

X

with 5041 - note
color + size similar!

5042. Laurenbergia -

sprawly and rooting in
white sand, stems at
flowers red, in open
places near restiads
swales.

5043. Gnida penicillata

to 2', fls. blue, Aug
restiads in swale on
white sand

5044. Erica, Fls. white,
suffused red. Aug
rests in scale.

5045. Selago, Fls.
lavender, Herb
branched from base,
about 1 1/2 ft tall.

Nov. 23 —

→ photo'd from K (base)

5046 Erica turgida (Kennelworth)
Kennelworth (native to)

lavender
← anthers essent



Nov. 24 photo'd from K'ood:

Erica ventricosa (Franseria)
(pink glutinous flo.)

Erica sitiens - Kogelberg

fls. lavender, bell-shaped
white at tip.

Erica jasminiflora - Shaws' Mt
Pass -

long white tubular
tetramerous fls.

~~Erica~~ Nebelia laevis? - veg. only

5047 or Bueniataevis
VCU leaves only

~~piculid along with~~

~~Uthmaniya & Strobiliferus~~

+ Protea barbigena (rose)

+ Protea eximia

+ Mimetes capitulata habit +

+ Sclago habit (same as 5045)
CCU

Nov. 25 Photod at Kusterbosch!

5048 Leucadendron album

Nov. 26: Photod at Kudubosch

5049 Leucadendron
reflexum

5050 Ericia radhofferi

Films up to this point
taken for processing.
Nov. 26

Protia serotina

Serruria cymosa R. Br.

Ericia involucrata

Ericia florida? Leucanthes

Hebecladus?

Polycarpha

Nov. 27

To Skurweberg N. of
~~Schursteberg~~ Schursteberg Pass - ←

S slopes from summit
downwards.

5051. Tittmannia laxa
shrub to 3 feet (in
most favorable locations)
between large boulders
or even depauperate
plants in rock
crevices. Fls. white.
Soil moist still.

Only a few shrubs
seen in localities
often occupied by an
acuticulate-leaved ~~shrub~~
species of Cliffortia,
ca. 4,800' elevation

Crystalliflora 5052a
5052. Erica capitata
~~Crystalliflora?~~ Moist
soil, S-facing exposure,
of pockets among
rocks. ca. 4,500'

5053. Raspalin stobaei,
on soil of seep,
ca. 4,500'. Rounded
shrub to 3' in diameter,
2 individuals seen.
Fls. white, fading
brown. With
Cliffortia, Erica.

5054. Selago with
purple fls. Decumbent
subshrub to 1' tall,
in sand, partly
sheltered by boulder.

5055, ca. 4,000'

Erica involucrata

subshrub to 1', among

clumps of Willdenowia

5056, ca. 3,500' - Ruscus

Protea scabruscula ←

bunched and flowering
at ground level, involucral
bracts rose, fls. pale pink.

5057. White - red Selago

(or Hebenstaria?), subshrub

broad leaves. To. 2'

ca. 3,000'

5058. Erica leucantha

shrub to 3 feet, stakete at
about 2800'.

← stakete

~~5059. Semmaria sp.~~

5059, Sandy flats above
slate, with restiads —
Serruria cyanea
Fls. pink. Form
mats up to 3 feet
in diameter.

5060, Guia bunnades,
same loc. Fls.
with sepals green,
tinged pink, subshrub
to 1 foot, tending to be
in rather bare white
sand just above
damp slate,

5061, Lorchostoma
pentandrum, collected
in this locality
previously: slate

at about 2,500 feet, with
Erica burgeriana and
restiads. Collected for
fruiting stages.

5062. Protea laurifolia

Shrubs to 7' along

Schuytberg Pass road. ←

With Osteospermum

Bracts greenish-white,
tipped with black.

5063. Mebelia pallescens

from Slab Peak,

coll. by Elsie Esterhuysen

New record for
Elsie Esterhuysen

Ceres Division.

5064. White [redacted]. From
Vlei where

Konchostrum penterii

Erica leucantha, E. ←

burgeriana grow.

Nov. 28 - Photo'd in
Kistubosh

Strelitzia nickelii fls.

Nymphoides indica

habit: fonteinjiede

fls. CU's.
glomeriflorum

5065 Combretum glomeriflorum
CU + UCU

5066. Erica gypseria

(pink, glutinous)

leaf margins atista

like E. massoniana) UCU

(also CU's from Nov. 27).

Nov. 29

Photo'd in K'bosd camp

Aristea swartzii with foot & with
beetle (yellow striped).

Also seen here in fl. —
Erica dransonea

Nov. 30

Bredasdorp Mt. — S. side,
halfway up.
5067 — Lightfootia? — subshrub

Campanulad, fls. white,
leaves purplish. To 6' in
diameter. With

Leucospermum, Struthiola,
Plusia
Rhus

5068. — Crabbia tomentosa —

shrub to 4' high, to 6' wide,
in Koppies, with Erica, ←
restiad. Fruits at first

green, then red, finally
deep purple at maturity.

Flowers: just opening at
this season: corollas
rose within, tan —
tomentose outside.

→ Between Bredasdorp & Elim? ^{Elim}

→ 5069 - Limonium ^{-10m}

low mats on an
alkaline vlei with
Chondropetalum (a
new species of *C. acut.*
E. Esterhuysen).

5070 - Limonium -

rosette leaves dead,
at margins of vlei
& subalkaline locs.
with Chondropetalum
hookerianum and
Puccinellia

5071. Lightfootia

Small subshrub 1'
high. Flo. pale
yellow. above loc.

5072. Pearly Beach, —
on "limestone" bluff above
sandy flat inland from
beach. (limestone looks
very mud like sandstone
to me!). —

Mimetes saxatilis,
a sparsely branched
shrub ~~to~~ to 6' on
area burned some
years ago, I frequent
Protea & Leucadendron.

5073. Protea ^{susanna} susanna ←
On sandy flats below
the bluff, with Leucadendron
Elegia. Bracts roses,
going out of fl. at this
season. Shrub to 6'.

5074. Roella, subshrub
tangled & sparsely branched,
to 1' in diameter. fls.
pale blue. Osmilla "Kastano"
fluffs with Mimetes saxatilis.

5075. Sandy flats —
Stroaria radiata, shrub
to 2' in diameter, fls.
pink, fading white. With
Mimetes accellata, Disparis,
Elegia

5076. Selago. Herb to 2½ feet.
fls. lavender. Selago spuria?
At above loc.

5077. Spatalla —
Sparsely branched shrub to
2½ feet, fls. white, old
infl. pink. At above
loc.

Dec. 1
photod at K'bosch -
Villarsia copensis habit.
5078 Combretum CU
fls. bright orange,
Going into fruit at
this season

CO's + UCU's of above. + foliar
comparison shade + sun
leaves of Raspalia strobilifera 5053.

Brabejum flower.

Kiggelaria africana ♂ fl.

Dec. 2
UCU Villarsia copensis
fl.

Dec. 4 - photographed
in Karoo garden

Hydnora with seeds ;
seeds + ants UCU's

Ceropegia africana UCU

Quernia reticulata face + l-s.

~~Hesperis matronalis~~ UCU

Pitaranthus foetidus UCU

Fuchsia sp. UCU

Dec. 5 - photographed
in Karoo Garden:

habit and/or CV:

Cyphostemma jutta
(Vitaceae)

Erythrina harmeri

Sisyrinchia spartea (Zyggo)

[Redacted]

... (R + W)

[redacted] (better)
[redacted] (habit
outdoor)

Lithops tericolor

~~[redacted]~~ [redacted]

Cheiridopsis peculiaris

Pleiospilos sp.
(rounded leaves)

Pleiospilos bolusii

Lithops turbiniformis

Haworthia truncata

Haworthia manghamii

[redacted]

in fl.

only (B & W) of
some of these

Lithops marmorata

Lithops localis pearii

Lithops otjeniana

L. aucampiae

L. christinae

L. dorothae

Lithops fulleri ochracea

L. erriana

ciaisensis

L. verruculosa

L. optica

Picramnia foetida

Huemia pendula

Muiria hortenseae (green)

Gibbaea cryptopodium

Gibbaea heathii

Dinteranthus

wilmotianus

D. vainszylii

D. puberulus

Gibbaea alba

G. puberula

G. velutina

Muiria hortenseae (brown)

+ UCU's

Cropegia carnosae

C. zeyheri



Ceropegia - Heterolage (C. debilis?)
look like the
me)

Huernia quinta

~~Aspidistra sp. (cf. above)~~

Saxifraga spicata fl. (cf. above)

Lithops elisae

Lithops inae

December 9, photos

in K. Bosch

More

Zotte

(labeled - shown
in pictures)

Dec. 10 photos UCD at
K. Bosch

Knowltonia (from

K. Bosch -

fruits (also B+W)

fruit C-5. (also B+W)

Lithops opalina (from

coarse
orangeish
markings.

waxlike
face view

Lithops opalina ~~facil~~ -s,
(also B+A)

Lithops ~~mayeri~~ ^{herrei?} (grayish
witzgautiensis medium-fine markings)
? from Worcester

top (incl. wet capsule)

UET wet capsule (high)

L-S. (1 stroke light
from above).

Lithops ~~mayeri~~ ^{herrei} (coarse
orange, very much like L.
opalina, but with wet
seed capsule). *

Lithops helmutii (surface)
green windows

Lithops ~~herrei~~ ^{mayeri} -

Coarse brown
markings

these 5 names OK, but
may have been mixed -
check!

Dec. 11

Dec. 11 - Clods Peaks

Ascent of 11:30 peak (highest)

5079. - Corymbium - slopes

along contour trail -
tufted herb to 1 foot
tall, fls. purple.

5080 - Harveya - fls

Jenouphou
bright orange, fls
red. To 1'. With a
* Similarly colored Watsonia

5081 Bergelinia, in fl, but
just barely at this
season - B. intermedia

Near Quibria

rosmarinifolia, with
Erica daphniflora,
Penaea mucronata, etc

11.59
5082. — Cuscuta on
both Erica longifolia
and Cliffortia sp. same
loc as 5083. Stems red
to orange.

5083. — Geissoloma —
collected for seeds.
at "memorial"; just
above contour path,
ca. 2,000'.

5084. — [redacted]
→ [redacted] - fl - flower
white, saka kap
purple, same loc.

→ 5085, [redacted]
fls. rose, marked
purple —
Along contour path,
with Harveya

5086 - white fragrant



ca. 2,500'

5087 -



(See Kidd Pl. 92 w
ca 2,500' 3)



5088 -



fls - pale yellow -
ca 2,500'

see Kidd Pl. 86, no 3



5089 -



white fls.



with a granular
colored Soparia
along seeps
5090 - yellow [redacted] 3,000'
* also photosphere - purple
[redacted] yellow [redacted] ultra copious

5091 - [redacted] - fls.
rusty red -
3,500'

5092 - another [redacted] -
only 1 indiv. -
3,500' fls. dark red to green,


5093 - minute, pink
[redacted] (?) -
3,500'

5094 - Aldenburgeria
paradoxa - ca.
4,000'

5095 - 11:45 Kloof
Erica oophylla
11:45 Kloof
fls. white,

pink at tips, mostly
not infl. at this season
in crevice only

5096. Erica longicaulis -
same crevices, very shady,
fls. white to pink.

5097. Erica ~~longicaulis~~ $\frac{1}{2}$ H₂


on slopes, in shade
with Hypochaeris

5098 - Klatten - petals
deep purple. Fls.
to 3'. In Hypochaeris,
Brachyotum base

5099. - Pseudotscha

Cordia ~~alluviana~~ gracilis ←
leaves in

sun, at edges of ledges
that are shady much
of day. Shrub to 2 1/2',
fls. white.

25100 - Mniothamnaea
bullata,

Spreading shrub in
shade of S-facing
ledge of kloof, between
11:30 + 12 O'clock
Peaks. With Hypolaery
Erica 5097, Klattia
5098. Fls: petals
red-tipped.

A Dioscorea curviscapa
from here photod. -
Fls. purple.

Bavianskloof

Dec. 13. Bavianskloof

lez aphylla

5101 — Psoralea aphylla ←

Trees to 12', often
lower, along seeps &
streams, Banner

lavender, keel white.

Also photo here: giant Pectis

5102 — Drosera capensis.

In pockets of moss

or mud along small

stream + fls. red-violet.

5103.

Among nestrods, near
stream. Fls white,

hooded sepal lavender,
purple spot on
small petal.

Also photo here: habit of
Utricularia apensis.

5104. [REDACTED]

In a sloping wet
valley, with a
similarly-colored

* Orphium. (Also 5105 later
has fls. this color.)

5105. Drosera regia.

In bud only on this date,
chiefly as clumps
among rocks, shoots
forming on roots.

Leaves green, with
red-tipped catching
hairs.

5106. - Pseudotschekia

afurcata, Flory

stem, these
plants juvenile,
leaves wider than

in adults, and cutly, unbraked,
Adult plants in stream.

5107 - [redacted] - white - fls
in stream at
waterfall, 2 curved
petals, marked with
purple veins, fls,

~~5108~~ otherwise white
within - outer surface
of sepals suffused
purple.

5108. [redacted]

fls orange, the large
sepal white veined orange.
In stream, ~~near~~
where soil collects.

5109. - *Dioscorea*
~~*caerifolia*~~, *curvisepala*

At the 5105 locality -
leaves bright red,
fls. pale violet,
tending to be whitish at
tips of corolla lobes.

In photos afterwards,
a Drosera caroliniana
from Clods Peaks:
fls., rosette (also
habit faded in stream)
interspersed, leaves
hairy on lower surface.

Dec. 16 - T. Bosch

5110 - Rhus - leaves tomentose
below, dark
green.

5111 - Rhus - leaves glabrous,
yellow-green.

Dec, 17

Steenbras Dam Road.

5112, - Erica sitiens, in
moist sand among boulders
where Azopanthus walskii
grows.

5113, - Chironia, - walskii ↑
Banks of stream
with Drosera.

5114. Erica massoniana
In rocky sandstone
outcrops, sparsely
branched subshrub
to 2 feet. Fls.
orange, distal tips
green.

5114a - Osmittopsis
parvifolia

also photos here; Stelbe
repeated

✓ 5115. Grubbia

linearifolia, DC

① Wet ground with (restrads)
fls. - of its - cream - single
stem from base. Leaves
silvery. Shrub 5' tall.

② at 2,000' on summit
of road, approx. where
ridge to Kogelberg
summit begins.

5116. - Erica thomae (Thomae?)

in white sandstone
outcrops; with
Grubbia tomentosa.

fls. white. Rounded
shrub to 3' tall.

fls. very glutinous!

5117, - Schizodium
with Clattia, Fl
pale pines. With
Chromola, 5118.

5118. Drosera
cuneifolia (?)
curviscapa, ←
With Clattia, Fl.
violet.

5119, - Drosera (glabripes) ←
With Clattia glabripes

5119a - Cliffortia
granifolia

- 12 anthemoides

→ 5120. Ursinia anthemoides

near stream, in sand

Fls. yellow

VCU's with iridescent
beetles.

5121. - Xyris capensis

with Lauremburgia

Drosera capensis, etc.

Fls. yellow in
tussocks of stream

(Gentiana hispidula spec.

enclosed in the
sheet)

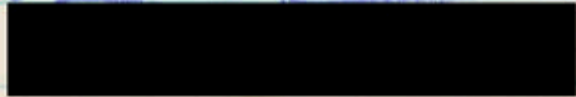
Also photo'd:

Heterolysis aliena (yellow,
corp)

Diastella hypnoides

(to be D. thymelaeoides).

Erica macowanii



Sichuanensis

note: the *Nebelia fragarioides*
grows in "sugary" TMS.

Brunia nodiflora always
in lower shale band,
also Berkhaya.

photod Dec. '8-

first *Drosera cuneifolia* (?)

5109 fl. front;
semi-side; rosette;
part of rosette with
leaf exposed. (glabrous,
veins show)

then *Griffithia linearifolia*

then *Xyris*.

Dec. 20

Clear's

→ Table Mt → MacCleary

→ Beacon via Skeleton

Gorge & return via
Nursery Gorge

5122. *Proseris cuneifolia*

Moist flats, esp. near
path, on summit
plateau. With
Utricularia in moss.

5123.

In rock crevices
where moss accumulates
Fls. pale blue-purple,
veined green,

Anthoceros

→ 5124. *Anthoceros*,

Skeleton gorge
moist rock face
near stream

5125. Hymenophyllum ←

same

5126. Hymenophyllum ←

(hairy).

Same, cavern
under rock.

5127. [redacted]

open buried field,
ca. 2,000'.

5128. [redacted]

same.

5128a. [redacted]

→ 5129. *Utricularia*
moist seeps, above
loc 1

5130. *Cunon.* ^{- 1262e} from
a garden in Kusterwood
(township, not Bot. Gards).

→ 5131. *Ficinia* coll. by
Elsie Esterhuysen -
a new sp., in rock
crevices only.

Dec. 24-

5132. Caratolhaca, Fls.

pale pink, with purple
guidelines in throat.

Shrubby herb to 4 feet

With Croton, Begonia tiodes tiodes ←

in koppje, Botanical ←

Research Institute,

koppje

Magaliesburg Wonderboom ←

5133. Magaliesburg, Wonderboom
Park north of Pretoria.

On sandstone outcrop
facing northwest.

Myrothamnus flabellifolia ←

Myrothamnus flabellifolia

←

Sprawling shrubs
to 3 feet in diameter,
after matting

growing in crevices in
the rocks. stigmas of
♀ fls. red, anthers red,
plants otherwise green.

Also photographed
at Botanical Research
Institute: Sesamothamnus
lugardae.

