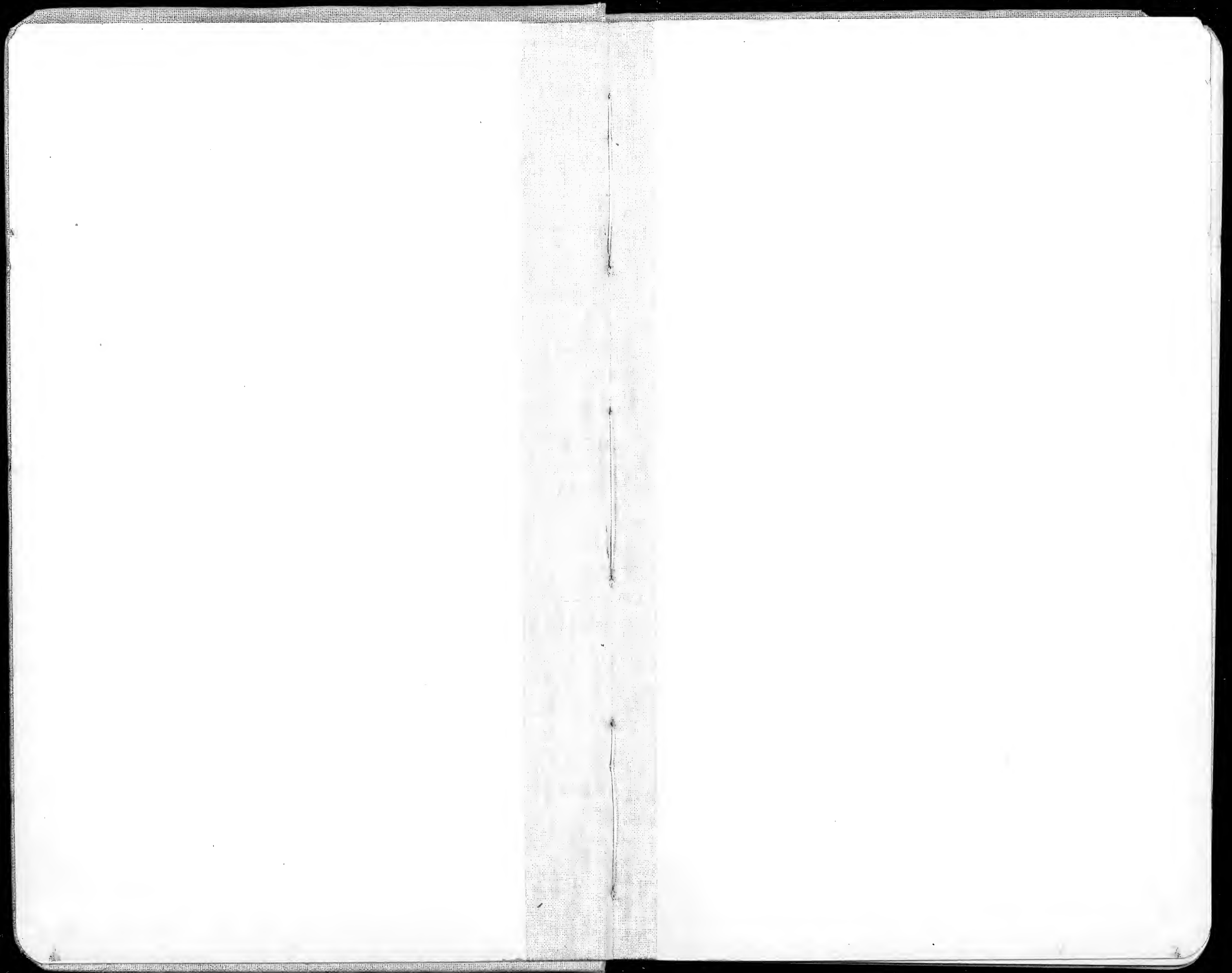


A. S. Hitchcock

22043

22049

41



Equador 1923  
Cuzco

22043  
Herb

22044 Legume (Asclepiadaceae)  
Perennial Herb fls purple

Agrostis ~~peruviana~~  
22045 Agrostis

22045 1/2

ll  
all

37  
73

90M

22046

Silene  
Aster general

22047

Mals

Compositae

22048

Compositae  
Common on edge of cove  
fls yellow

22049

Vicia  
fls blue-purple

22050

Compositae  
Acute, level white surface.  
fls white.  
leaves sharp tip - 2-ranked up,  
lying close to the ground - especially  
in stout plants

Peru

Colonia Perené - alt. 2100 m  
near Andes, altitude 5900 m  
Rocky cliff. Andes mountains

2249  
1937  
173

5900 m

22052 *Lasianthus sorghoides*  
Shady slope

22053 *Lasianthus* (*Lasianthus*)  
Bushy slope

22054 *Lasianthus sorghoides*  
Forest beside trail

*Panicum trichanthum*  
22055 *Panicum trichanthum*  
Forest beside trail, covering  
top in a cutting field.

*Panicum trichanthum*  
22056 *Clusia*  
Forest beside trail

*Panicum stoloniferum*  
22057 *Panicum stoloniferum*  
Open ground in forest beside trail

*Panicum frutescens*  
22058 *Panicum stoloniforme*  
ditch but large than ...?

*Panicum polygenatum*  
22059 *Panicum polygenatum*

*Glyca nigra*  
22060 *Glyca microchaeta*  
Forest inside trail

*Paspalum decumbens*  
22061 *Paspalum decumbens*  
Rocky cliff.

*Axonopus compressus*  
22062 *Axonopus compressus*  
Open ground along trail

*Arundinella tortuosa*  
22063 *Arundinella*  
Rocky cliff

22064. *Panicum laxum*  
Rocky diff - moist place.

22065 *Elymus glaucus*  
*Elymus mollis*  
Open ground.

22066 *Paspalum leucostachyoides*  
*Paspalum decumbens*  
Open ground

22067 *Ischnanthus pallens*  
Shady bank

22068 *Panicum polytachyoides*  
Shady open ground

22069 *Ischnanthus*  
Rocky diff. Consecut

22070 *Olyza heliconia*  
Rocky cliff - a few old flo.

22071 *Cyperus*  
Open field

*Paspalum paniculatum*  
22072 *Paspalum paniculatum*  
Cult ground

*Paspalum conjugatum*  
22073 *Paspalum*  
Along ditch 4 ft

*Eragrostis amabilis*  
22074 *Eragrostis amabilis*  
On stone wall

*Syntherisma sanguinolenta*  
22075 *Syntherisma sanguinolenta*  
Open moist ground



22076

*Paspalum*  
Along ditch

*Valota*

22079

*Valota*  
Mud in pasture

22077

*Andropogon condusifolius*  
Grassy slope

22080

*Andropogon*  
Cut in field for pasture  
Not in flower. Well liked by sheep  
Collected in Florida. May be same  
as the *Andropogon* coll. by M. Cleveland

22080

*Leptochloa pilgeriana*  
Mud in garden

22081

*Cenchrus allebrandtii*  
Mud in field, common in sandy  
fields. Appears to be the same as  
the Hawaiian plant

22082 *Syntherisma angustifolia*  
Mead in field

22083 *Piptadenia granularis*  
Mead in field

22084 Compositae  
Edge of forest on hill 2-3 ft  
fls blue

22085 Compositae  
Low 8 ft. leaves in clusters  
at base of seasons growth, naked  
below. High 2 ft fls purple  
Edge of forest on rather dry slope

22086 *Axonopus*  
Grassy slope among stumps  
at edge of forest.  
Looks the same as 2080. Some  
old before area remaining

22087 *Paspalum*  
Sandy field

22088

Sandy field

*Alonegus compressus*  
*Agropyron (Alopecurus)*

*South American species*

22091

Sandy field

*Agropyron*

22089

Sandy field

*Paspalum conjugatum*  
*Paspalum conjugatum*

22092

Sandy field

*South American species*  
*Agropyron*

22090

Sandy field

*South American species*  
*Agropyron*

22093

Sandy slope - left

*Compositae*

*Chenopodium album* <sup>Oct 22</sup>  
22094 *Chenopodium album*  
Shrubby shady area

*Chloris radiata*  
22097 *Chloris radiata*  
Wet in field

*Chenopodium album*  
22095 *Chenopodium album*  
ditto no fls. probably *C. album*

*Paspalum phreatum*  
22098 *Paspalum phreatum*  
Wet place in meadow

*Andropogon furcatus*  
22096 *Andropogon furcatus*  
Rocky place

*Panicum laxum*  
22099 *Panicum laxum*  
ditto

22100 *Leptochloa formigera*  
*Leptochloa virgata*  
Open grassland

22101 *Panicum trichotum*  
yellow  
Open grassland

22102 *Paspalum viridum*  
Open grassland  
Called here Cortadera

*Arundinella heterostachya*  
22103 *Arundinella*  
In water by river

*Aptodesma purpurascens*  
22104 *Aptodesma purpurascens*  
Shady bank in forest

22105 *Arctostaphylos*  
on branch of tree by river  
fls yellow

22106

*Chusquea*  
*Chusquea*

Shrub by river, *Chusquea*  
shrubs in somewhat open places  
no fls.

22107

*Eupatorium*

2 ft tall 5 ft fls white

22108

*Sporobolus elongatus* (Lentocoma)

Pasture land by river

22109

*Chusquea paniculata*  
*Chusquea paniculata*

ditto

22110

*Cucumis* (cucurbitaceae)

Sandy open ground by river

22111

*Azorella* (Asteraceae)

Clay bank - moist soil

22112

*Isopogon*

Edge of forest - 10 ft - which

22113

*Andropogon bicuspidatus*  
*Andropogon bicuspidatus*

Clay cliff

22114

*Isopogon*

Sandy field

*Proserpinaca*

22115

*Proserpinaca*

Small, white, annual, slightly  
woolly, stems as well as  
leaves

22116

*Lyncea diversicosta*

Among trees at edge of forest

97 mm

*Aptenodes* Oct 23

22117 *Aptenodes* *umbellata*

Shrub, glabrous in flower

1750 2104

22118

*Alpinia* *... ..*  
A large, upright  
herb with

22119

*Laccaria* *... ..*  
A small, upright  
fungus

22120

*... ..*  
A very pale, upright  
fungus with

22121

*Bambusa*  
A large, upright  
herb with

22122

*... ..*  
A small, upright  
fungus

22123

*... ..*  
A large, upright  
herb with



22124 *Panicum polygynum*  
along stream

22125 *Panicum polygynum*  
stems pubescent  
to base

22130 *Compositae*  
low ground along road  
soft

22127 *Compositae*  
low ground along stream  
soft

22128 *Compositae*  
Rocky cliff - stems  
pubescent

22129 *Compositae*  
climbing on tree on edge  
of forest on side of hill by  
river.

---

La Merced - Oct 23

22130

*Erigeron phillyria*

Wet grassy - purple

22131

*Erigeron phillyria*

Wet grassy - purple

22132

*Paspalum parvifolium*

Sandy soil along road  
in small prairie

22133

*Cucumis hillebrandii*

ditto

22134

*Cucumis hillebrandii*

Wet grassy

22135

*Trifolium*

Open ground along road

Trifolium

22136 *Calamagrostis densiflora*  
Calam. sp. l.  
Along bank of river

22137 *Calamagrostis densiflora*  
White sp. l.  
ditto

22138 *Calamagrostis subsericea*  
ditto

22139 *Lygostoma*  
ditto

22140 *Lygostoma*  
ditto

San Marcos to Tarma, Oct. 24, <sup>collected at</sup> steps of automobile  
22141 *Cortaderia*  
Dry slope, old pasture only  
*Cortaderia sp.*

22142

*Cortaderia*  
*Cortaderia*

Dry slope - leaves like the  
kind around Alausi etc

22143

*Andropogon*

Dry hill

22144

*Festuca*  
*Festuca (monandra)*

Dry hill

*Agrostis*

22145

*Agrostis*

Dry slope

22146

*Calamagrostis*

Dry hill

22147

*Andropogon*

Dry hill

*Trichopogon montifolius*  
22148 *Eleonora*  
dry hill

*Sporobolus villosus*  
22151 *Sporobolus villosus*  
dry hill a small forest

*Pennisetum*  
22149 *Pennisetum*  
moist place on hillside

*Calamagrostis*  
22152 *Calamagrostis*  
moist hillside

*Trisetum*  
22150 *Trisetum*  
dry hill

*Cyperus*  
22153 *Cyperus*  
Rocky cliff - somewhat moist

22154 *Muhlenbergia*  
dry slope

22157 *Alone*  
dry slope

22155 *Alone*  
dry slope

22158 *Chenopodium*  
washed field

22156 *Andropogon*  
dry slope

Tarma, Oct. 24 3000 meters (10000 ft)  
in a dry hill with cactus. Some what  
moist from the seepage from small irrigation ditch  
22159 *Bromus* (near *mutabilis*)

22160 *Penumbra*  
open in large meadow

22163 *Penumbra*  
Same as 2162 but prostrate  
The flowers have  
been a few

22161 *Stipa (microcarpa)*

22164 *Nassella*

22162 *Penumbra*  
panels almost black

22165 *Mitella*  
panels dark purple

*Andropogon scoparius* *parvispicula*

22166 *Andropogon scoparius*  
Tussocks just below the northern fence

Small clump in open area

*no telomeres*

22167 *Bambusa*  
Annual - purple - on a moist  
spot. Moist with 2/10/7

*no telomeres*

22168 *Arundinaceae*  
See 2/10/7

*Stylosanthes*

22169

*Stylosanthes*  
Luzerne?

*no telomeres*

22170 *Chloris*  
spikes dark purple

*no telomeres*

22171 *Poa* (probably *P. pratensis*)  
Along irrigation ditch



22172 *Polygonum intermedium*  
Along iron railway ditch

*Artemisia* Oct 25. Just above the  
iron railway ditch and over plants of  
the dry hills to some part, finding more numerous  
at base of hills in some.

22173 *Festuca sativa fibifera*  
Long bunches on rocky cliff occupying  
ground face

22174 *Stipa capensis*  
Very common on all the hills but  
probably not in gloms. Bunches

22175 *Poa, Poa*  
Long bunches hanging from face of  
rocky cliff. Common

22176 *Poa*  
Along river among stones in first  
bottom. Common. Numerous. Somewhat  
fairy areas 1-2 feet across. Bunches  
bunches replaced the same after  
unusually so

22177 *Polygonum intermedium*  
Along river in first bottom mostly  
near the water.

22178 *Hesperis matronalis*  
Kasselia  
Along river on first bottom

22181 *Stipa (macrocarpa)*  
Common on river bottom.

22179 *Festuca*  
Tuberous  
Much grass in first and second  
bottom along river. Also higher up  
but more in flowers. Common

22182 *Muhlenbergia or Eriochloa*  
River bottom, second reach. Leaves  
very dark

22180 *Alysicarpus*  
Among stones in first bottom  
along river. Also common on rocky cliff -  
the old beds with denuded cliffs are  
found on rocky cliffs. These plants have green  
leaves also which were like those of  
river bottom.

22183 *Stipa*  
Base of cliffs, common

22184

*Poa* ~~substantia~~ *substantia*  
in *briseolum*

Small bunches on ground  
Base of shrubs and in second hollow  
of run. Some specimens are dried  
Some apparently not

22184 - *Chloropyrum* *hillebrandii*

22184 - *Poa* *substantia*

22185

*Agropyron* *sp.* *substantia*

Base of hills

22186

*Poa* *substantia*  
*Pissella*  
Small *substantia* among stones on side  
of hill

22187

~~*Pissella*~~  
*Pissella*

Base of hills. All same species?

*Poa* *condanensis*

22188

*Poa*

Bunch grass in second hollow,  
may be same as 2185

22189

*Agropyron*

Yellow grass on hillside  
This plant may be same as *Agropyron*  
on our hillside.

(4060 meters)

22190

*Poa annua*

*Poa annua*

22191

*Medicago nigrescens*

*Medicago nigrescens*

Ballon  
North  
green, common

22192

*Alphacis*

*Alphacis*

and lower slopes

*Festuca parvispiculata*

22193

*Festuca parvispiculata*

lower slopes

22194

*Calamagrostis*

*Calamagrostis*

in springy place

22195

*Poa annua*

*Poa annua*

lower slopes

22196

*Poa candamarensis*

Creases of maculosa  
rare

22199

*Fisetum spicatum*

Spring place

22197

*Setaria spicosa*

7. 10. 1911  
H. ...  
Hills

22200

*Calamagrostis ...*  
...  
...  
...

22198

*Calamagrostis ...*

Spring place

22201

*Poa subspicata*

Spring place

22202

*Agrostis laevigata*

4/11/50

22203

*Dicentra uniflora*

4/11/50

22204

*Dicentra uniflora*

4/11/50

22205

*Agrostis brevicalmis*

4/11/50

22206

*Agrostis subsericea*

4/11/50

4/11/50

Collected at ...

22207

*Dicentra uniflora*

4/11/50

22208

The only one seen. *Pteris*  
at the top of the cliff

22209

*Salvagearia bifolia*  
Bunch of ferns in small hollow

22210

*Polypodium*  
Forest edge

22211

*Polypodium* near water  
Bunch near the bottom of the cliff

22212

*Poa glandulosa*  
Bunch of grass in small hollow

22213

*Poa glandulosa*  
Bunches of grass near water  
along the edge of the cliff

22214

*Dryopteris* *the* *low* *calyptrata*

*the* *low*

22215

*the* *low*

*the* *low*

22216

*Poa* *Poa* *caudata*

*the* *low* *the* *low*

Root *the* *low* *the* *low*

*the* *low* *the* *low*

22217

*the* *low* *the* *low*

*the* *low* *the* *low*

22218

*the* *low* *the* *low*

*the* *low* *the* *low*

*the* *low* *the* *low*

22219

*the* *low* *the* *low*

*the* *low* *the* *low*



22220

*Calamagrostis imberbis*

Handwritten notes for specimen 22220, including location and collection details.

22223

*Calamagrostis teniflora*

Handwritten notes for specimen 22223, including location and collection details.

22221

*Calamagrostis canadensis*

Handwritten notes for specimen 22221, including location and collection details.

Handwritten notes for specimen 22223, including location and collection details.

4242 meters

22224

Partial bunch near hotel - open wood  
one stem, little. Very particular

22222

*Calamagrostis ripens*

Handwritten notes for specimen 22222, including location and collection details.

22225

*Calamagrostis imberbis*

Handwritten notes for specimen 22225, including location and collection details.

22226

Plum

*Stipa tachypogon*  
Slipa  
before coming to C.H.P.

22227

*Stipa capillaris*  
Tulcea  
Dry hills, small woods  
Old ruins more or less spread

see specimen  
in box

22228

*Stipa capillaris*  
Tulcea  
Dry hills, all over hill

see specimen  
in box

22229

*Calamagrostis villosa*  
Small woods, dry hills, all over

2230

*Stipa capillaris*  
Tulcea  
Dry hills, small woods, all over  
Old ruins more or less spread

2231

*Stipa capillaris*  
Tulcea  
Growing on upland of Tulcea  
on top of hill.

22232 *Festuca virgiliana*  
Festuca

Bunches on dry hill.  
Probably the plant has been seen as one of  
season

22233 *Drymonia*  
Dry hill - abundant

22234 *Festuca rugescens*  
Festuca  
Bunches on dry hill. Bluncheon

22235 *Festuca rugescens*  
Festuca  
Bunches in most place on hill.  
Seems a little different from 2234  
grasses, soft leaves

22236 *Calamagrostis*  
Bunches on dry hill

22237 *Agrostis*  
Bunches on dry hill

*Calamagrostis rigida*  
22238 *Calamagrostis*  
Not plant on hills

He to ...  
22239 *Festuca*  
Bunches on hill  
is this same as 2232?

*Dioscorea*  
22240 *Dioscorea*  
Annual Common in places on hill

Nov. 1

Along Ry. to south.

22241

*Calamagrostis*  
Bunches on hills. This specimen was a  
a more yellow plant. Mostly to hills  
in part flowered.

*Dioscorea*  
22242 *Dioscorea*  
Slip of ... seen ... in flower.  
This specimen ... from the  
... (2240). Are both  
of this genus?

*Stipa*  
22243 *Stipa*  
Bank of Ry. ... more ...

22244 *Festuca campoculata*

Bunches on bank of R. cut  
through dry hill

*Agrostis breviculmis*

22247 *Agrostis*

dillo

22245 *Festuca campoculata*

dillo

*Poa annua*

22248

In hazy parcel

22246 *Desmodium*

dillo

*Acicula*

22249

(*Muhlenbergia*)  
Rough soil. Not abundant  
of old spines

*Calamagrostis polophora*  
22250 *Calamagrostis*  
Large bunch meadow

*Poa horridula*  
22251 *Poa*  
On top of hill

*Festuca ripens*  
22252 *Festuca*  
Base of hill. Common

*Calamagrostis brevifolia*  
22253 *Calamagrostis*  
Sunny place on slope

*Trisetum*  
ditto

*Calamagrostis ripens*  
22255 *Calamagrostis*  
Common in hay and mown  
places.

22256 *Andropogon furcatus* *Andropogon*

Open slope. Part of tropical  
savanna. 2 ft in diameter. The  
drunk on the hillside in the  
middle of the hillside in the  
ground of the green plain. It  
grows green above the ground  
the hillside in the savanna  
The green plain is in the  
savanna.

Yca Quichua. 10 kilometers below  
Cerro de Pasco, alt. 11000 ft.

The plants were collected on the way  
to Yca Quichua and in the vicinity of the place.

22258 *Passiflora*

Moist place in partial shade

22259 *Brachyotum*

in part on the hillside in the savanna.

22260 *Panicum*

moist place along river  
Rocks common on some cliffs

22261 *Panicum*

Prostrate, grows in part on  
cliff, partial in savanna  
occasionally

*Phytolacca* in *terrestris*  
22262 *Palafoxia*  
moist place in pasture

*Agropyron*  
22263 *Agropyron*  
moist place in pasture

*Agropyron*  
22264 *Agropyron*  
moist place in pasture

22265 *Poa* *Poa* *laevigata*  
moist cliff  
= 2240?

*Poa trivialis*  
22266 *Poa* (*trivialis*)  
forming glaucous masses along  
small stream. The leaves float  
along the edge of the water

*Agropyron* *repens*  
22267 *Agropyron*  
moist cliff



*Bromus* (to *Stimii*)

22268 *Bromus*  
Wine bank, *Panicum* dropping

*Festuca epiglottis*

22269 *Festuca*  
Wine bank

*Festuca*

22270 *Festuca*  
Rocky cliff, large bushes

*Festuca epiglottis*

22271 *Festuca*  
Rocky cliff

*Bromus* (to *Stimii*)

22272 *Bromus*  
Wine bank on cliff  
Probably = 22269 but smaller

*Calamagrostis*

22273 *Calamagrostis*  
Large bushes on cliff

*Aquilegia scopulorum*  
22274 *Calamagrostis*?  
Rocky cliff

*Calamagrostis*  
22275 *Calamagrostis*  
Rocky cliff - small bunches

*Festuca simplicifolia*  
22270 *Festuca*  
Bunches on Rocky cliff

*Poa trivialis*  
22277 *Poa (trivialis?)*  
Along small stream  
probably same as 22276

*Elymus*  
22278 *Elymus*  
Rocky cliff

*Poa trivialis*  
22279 *Poa*  
Along small stream  
= 22277?

22280 *Poa horridula*  
Rocks cliff  
# 2260 + 2265

22281 *Festuca sp. folia*  
Festuca  
Large bunches on rock cliff

22282 *Festuca sp.*  
Festuca  
Rocks cliff - small bunches

Gaylarisquinga Nov 6. A coal mine  
of the Company, in the Curru (13700 ft). 30 km. Col.  
22233 Little above road down a deep  
valley towards the river. (4151 meters)

*Calamagrostis*  
hillside

22284 *Agrostis*  
along river, along ditch.

22285 *Paspalum*  
hillside

22286

ditto

*Polygonum interseptum*  
*Polygonum*

22289

ditto

*Poa caudatanica*  
*Poa*

Small form of 2288?

22287

ditto

*Justicia verticillata*  
*Justicia - annual*

22290

ditto

*Promus*

22288

ditto

*Poa caudatanica*  
*Poa*

22291

ditto

*Agrostis*

22292  
ditto

*Stipa pennsylvanica*  
Rassella

22295  
ditto

*Stipa pennsylvanica*  
Rassella

22293  
Dry

*Stipa pennsylvanica*  
Stipa pennsylvanica  
slope

22296  
ditto

*Stipa pennsylvanica*  
Agrostis

22294  
Miss Mark

*Stipa pennsylvanica*  
Stipa pennsylvanica

22297  
growing up among stumps  
on slope

*Stipa pennsylvanica*  
Agrostis

*Orchidipedium*

22298 *Orchidipedium*

Forest bank  
Leaves yellow, young as  
above except only a few  
old panicles shown

22299 *Stipa*  
dry slope

*Festuca*

22300 *Festuca*  
a large bunch grass  
on dry slope

*Calamagrostis*

22301 *Calamagrostis*  
dry slope

*Poa*

22302 *Poa*  
Large bunch on slope  
part of flowers somewhat  
erect slope

*Cortaderia*

22303 *Cortaderia*  
Rocky slope

22304

*Cortaderia*  
*longistylis* *peruviana*

ditto. Probably a smaller  
form of 2303

22305

*Calamagrostis*

Dry slope

22306

*Cortaderia*

Rough slope  
A large head, same as 2303  
showing tall stem

2307

*Stipa*

Dry slope

22308

*Yucca*  
ditto. Large heads

22309

*Festuca* - annual

Open ground on slope

*Agrostis microscopus*  
22310 *Agrostis*  
ditto

*Festuca fibrosa*  
22313 *Festuca*  
dry slope - low, rocks

*Hesperella*  
22311 *Hesperella*  
ditto

*Calamagrostis*  
22314 *Calamagrostis*  
dry slope

*Bromus laevissimus (L.) Beauv.*  
22312 *Bromus*  
dry slope

*Calamagrostis*  
22315 *Calamagrostis*  
dry slope - low, rocks

*Goullarisquisga* (orca) Nov. 7  
A shore of *Tarpea* from town  
along an incline (cable Ry) about  
5000 ft. low to a new stream, also  
at base of <sup>incline</sup> stream. Much more moist  
in this valley and grasses in great con-  
dition about 4000 M?



22316 *Poa* *boylei* *Boyle*  
Rocky slope *herp. m.*

22317 *Carex*  
Mud place

22318 *Calamagrostis*  
Mud slope *herp. m.*

*Elymus* *virgatus* *Trin.*  
22319 *Elymus*  
Mud bank

22320 *Agrostis*  
Pampas at top of incline

22321 *Agrostis*  
Mud slope

22322 *Poa* <sup>or *horrida*</sup>  
along small stream  
Leaves like *P. prolensa*

22323 *Trisetum* (*spicatum*)  
ditto

22324 *Bromus*  
moist slope

22325 *Bromus*  
moist slope

22326 *Bromus*  
moist slope  
May be a small form of 2325

22327 *Calamagrostis*  
bank of streamlet large bunches

22328  
MINE

*Festuca*  
Festuca  
slope. Large rocks

22329  
MINE  
slope

22330  
MINE  
streamlet

*Agrostis gelida* Trin.  
22331  
MINE  
Is this a *alba*?

22332  
MINE  
streamlet  
Large rocks

22333  
MINE  
slope

*Alperujo de intenciones*  
22334 *Alopecurus*?  
Buffy slope

*Polygoum - intermixtum*  
22337 *Polygoum*  
Along ditch  
Are these all the same?

*Poa andersoniana*  
22335 *Poa*  
Moist slope

*Paspalum candidum*  
22338 *Paspalum* (*candidum*)  
A common weed in fields

*Cortaderia*  
22336 *Cortaderia*  
Rocky moist slope  
Much

*Prockloa*  
22339 *Prockloa*  
Along ditches

~~22337~~  
Lima, Nov. 12  
Collected in company with Dr. Weberbauer  
ditches and gardens toward Miraflores

22340 *Polygonum heterophyllum*  
*Polygonum*  
Along ditch

22341 *Bromus (miloide)*  
Common in fields

22342 *Salvinella bryoides*  
pinnules drooping

22343 *Capriola dactyloides*  
Common

22344 *Poa annua*

22345 *Clitoria (radiata)*

22346

*Phalaris*  
field

22347

*Gallium hirsutum*  
along ditch - arroyos

See ME  
22346

22348

*Holcus holcoides*  
along ditch - arroyos

Mollendo - Nov. 17  
Hills back of city. Usually a desert  
but now green after a deluge. It shows  
immediate recovery of coast dry & almost  
of vegetation.

22348  
22347

22349

*Cuculobasis humilis* Hitchc  
Dry same as plants of  
our as much as such

22350

*Stipa*  
Bunches in rocks on slope

22351

*Tragopogon (pinnatifid)*  
Sandy hills - common. Sweet or  
prostrate. Heads from almost  
globose to oblong and rather slender,  
green, brown or purple

22352 <sup>214718</sup> *nanca*  
Sandy hills - not common.

<sup>214719</sup> *Sporobolus*  
22353 *Sporobolus* *virgatus*  
all about sandy rather dense  
land (1/2 mile)

22354 *Mallow*  
Sandy hills fls rose

22355 *Alsinacella*  
Sandy hills fls white

22356  
Sandy hill fls red

22357 *Proserpinaca*  
Sandy hills - fls white

22358

dille

Ice plant

22359

dille

L. Thrus  
an ice plant

22360

dille

Composita  
hills, yellow  
dark dark brown  
~~plant~~ 2 ft

22361

Russ plant

Composita  
dille

22362

dille

Yellow  
yellow

22367

dille

<sup>3</sup>  
Chenopodium



22364

ditto

Legume

22367

ditto

Suspect stem

22365

ditto

Liliace

fls white

22368

1-2 fl

fls pinkish white

22366

ditto

Spurularia

fls pinkish blue

22369

fls purple

Liliace

22370

Boragin

22373

Solanum /  
fls rose 2 ft.

22371

Dulanga

Row in meadow - probably  
a weed fls green.  
2-3 ft.

22374

Dulanga  
fls white

2 ft.

22372

Asarum canadense

1-2 ft in spreading bunch  
fls white

22375

Grindelia

2 ft bushy branched rays  
yellow - plant sticky

22376 *Eleocharis*  
2 ft. fls. white  
disagreeable odor to plant

22377 *Proserpinaca*  
Stems 5 ft. in diameter  
fls. scattered on marsh  
slope fls. white

22378 *Lupinus*  
2-3 ft. fls. dark purple  
standard with yellow spot  
in center

22379 *Fern*  
On a rock - north slope  
*Notholaena breckenridgei* Baker

22380 *Galium*  
Shrub - north slope

22381 *Compositae*

22382 Boraginifera  
Sandy slope

22383 *Intelligia*  
fls white

22384 Boraginifera

22385 *Trachium*  
fls light blue

22386 *Dracopis strictus*  
In anthesis. Some branches  
spreading or even slightly drooping  
Sandy slope. App. 10-15 cm  
in height.  
Sandy slope

22387 *Galium (Limonoides)*  
Sandy slope

22388

Unkilled

Sandy slope on beach of  
Stream

22391

Anticore

ditto

22389

Alum

ditto

yes blue

22392

Sulman

Shrubbery - branches & berries  
near creek on beach of stream

22390

ditto

yes white

22393

(Peperomia?)

on wet on beach of stream

22394 *Barroetia*  
2-7 ft *litae*

22397 *Calceolaria*  
*ditto*

22395  
Samey slope

22398  
*ditto*

22396 *Calceolaria*  
In shrub of shrub on normal  
slope *litae* or *glabra*

22399 *Wattsonia*  
Along a cattle path - probably  
a weed

22400 Labiate  
2-3 ft. fls. white -  
multica.

22401 Plantag.  
Sandy slope

22402 Umbellif.  
ditto

Oenothera arequipensis  
Merry & Johnston  
n. sp.

22403  
ditto

22404  
ditto Scroph.

22405 Euphorbia  
ditto

22406

Brown

ditto

22409

Coriopsis

L

22407

Sporocarpium

fls. white or rose-purple

22410

Verticillium

22408

Legum

22411

Graphium



22412

*Lilium*

22413

*Trifolium*  
fls salmon-pink

22414

Compositae

22415

*Asarum*  
fls white

22416

Compositae  
fls bright yellow  
Perennial - 2-3 ft

22417

Mentzelia  
Annual - up to 3 ft.  
fls yellow  
Petals are four enclosed  
in groups in the replum petals  
have curved claw to the styles.  
Plant with glaucous leaves.

22418

*Commelina*  
fls blue

22419

*Verbena*  
Dusky bracteoles 1 ft

22420

Mallow  
fls rose

22421

*Lobelia*  
fls blue

22422

*Polygala*  
fls rose-purple to whitish

22423

*Ruellia*  
The dominant grass (but  
not the dominant plant) growing  
between other plants on the  
interior hills

22424 *Gracilaria attenuata*

*P. ulloa* - same, slope  
of hillside, hills - Corrientes  
prostrate in ascending.

22425 *Cassia*

Lima - Nov 15 Muds in  
Botanic Garden

22426 *Salvinia*

22427 *Brya*

22428 *Rehmannia*

Arizuma - Nov. 22  
Muds along irrigation ditch.

22429 *Ortisia*

22430

*Bromus*

22433

*Polygala*

22431

*Polygala*

22434

*Sporobolus*

22432

*Polygala*

22435

~~*Polypogon*~~  
The specimen from Cuba -  
noted here

22436 *Poa annua*  
*Poa trivialis*  
Along ditch - long stem flowering  
or swimming in water

22439 *Panicum clandestinum*  
Cereals  
Panicum grass from soil of  
meadow; low and also flowers in  
Arizquipa.

22437 *Distichlis spicata*  
*Distichlis spicata*  
Along irrigation ditch

22440 Fern  
On rocky cliff  
*Filix fragilis* (L.) Gilib.

22438 *Nassella*  
*Nassella*  
Along irrigation ditch

22441 Fern  
On rocky cliff  
*Cheilanthes pumila* Kaulf.

Chuanibambilla - Nov. 27  
The Government Experimental Sta. between  
Juliacas & Cuzco, 68 miles from Juliacas  
alt. 12,229 ft. Few grasses & flowers.  
3887m

22442 *Poa paniculata*

On rocky cliff  
small blades upright

22443 *Poa horridula*

Rocky cliff  
Same as the previous species  
Common in woods

22444 *Stipa*

Hills

*Calamagrostis rubra*

22445 *Calamagrostis*

Common on the hills of the  
old Indian camp. Also in  
the old Indian camp.

22446 *Stipa*

In the hills - prostrate

22447 *Stipa*

Common on hills of the  
the specimen from the bank

22448

*Melilotus*

Along river. Common in the  
undergrowth of *Populus*. Considered  
a weed.

22449

*Phytolacca*  
From plantation on farm of ...

In ...

22450

*D. stictica*

Fields of *Elymus pectinatus* ...

22451

*Phytolacca*

From ...  
Cerro ... alt 3450 M

22452

*Melilotus*

22453

*Festuca*

a large mass of ...

22454 *Arundo donax*  
Cultivated

22455 *Poa horridula*  
Fertile  
very much grass  
at 11:30

22456 *Poa*  
Commonly cultivated in the  
valley of Colca Habes - fruit  
seeds large than some, seen in  
purple

22457 *Poa*  
Cult in Colca Habes, specimen  
taken from locality of Colca Habes  
on 11:30

Hills at 11:30  
*Poa horridula*  
22458 *Poa*  
Side of ravine  
on 11:30

*Poa horridula*  
22459 *Poa*  
Side of ravine



22460

*Hypolepis*  
Stipa arbu  
Subgrasses

22461

*Milium*  
Subgrasses

22462

*Asplenium*  
Subgrasses  
Speltz decoupling

22463

*Asplenium*  
Subgrasses  
Open grassland

22464

*Filix*  
Rock cliff  
*Polypodium angustifolium Swartz*

22465

*Asplenium*  
On rock

22466

*Eupatorium*

Common along ridge etc.  
fls. white. 2 ft. tall

*Erigeron annuus*

22467

*Thromas nudus*

Old field on top of hill.  
Small specimens of common species.

22468

*Eupatorium*

Along ridge on hill. 3 ft.  
fls. blue

22469

*Poa Poa canadensis*

Side of hill. small. 1 ft. tall

22470

*Fern*

Rock cliff

*Chelidonium pinnatifidum* Kaulf.

*Erigeron spicatum*

22471

*Trisetum*

Wet side of hill. 1 ft. tall

22472

*Stipa sp.*  
*Stipa*

22473

*Stipa*  
Sida  
*Notolagena muca (Poir.) Desv.*

22474

*Festuca (Cernuina)*  
Old field

22475

*Contulera (Sedg.)*  
Slippery grass  
The thick of this is common, but not in any large clumps.

22476

*Polygonum (multicarpis)*  
*Alnus viridis detel.*  
Young trees in open place

22477

*Poa*  
*Bambusa viridula detel.*  
is the same as 2/28

32478

*Phormium tenax*  
*Phormium tenax*

Along road

32479

*Phormium tenax*  
*Phormium tenax*

Path

32480

*Phormium tenax*  
*Phormium tenax*

Side of hill

32481

*Phormium tenax*  
*Phormium tenax*

Common along roads & in fields  
in hedges and along walls

32482

*Phormium tenax*  
*Phormium tenax*

Common in hedges & fields  
in rapidly growing

32483

*Phormium tenax*  
*Phormium tenax*

On hill

22484

*Eragrostis pittierii*

On hill

July

y

at 3000 M

alliance with the ...  
at the base of ...  
quite ...

22485

*Asp. pulvinata*

Ruby bank

*Eragrostis intersta*

22486

*Eragrostis*

in dry ditch

*Polyg. polygon elongatus*

22487

*Polyg. polygon*

near waterfall - in spray

22488

*Briety ...*

near creek

22489

*Bromus ...*

Common in fields and along  
ditches

22490 *Eragrostis* *Andrieuxii*  
In dry ditch

22491 *Panicum* *capillare*  
In dry ditch

22492 *Chloris* *trichoides*  
Open grassy area

22493 *Eleocharis*  
Near stream

22494 *Eleocharis*

22495 *Pharus*  
Old field

22495<sup>1</sup>/<sub>2</sub> - *Poa annua*

22496

*Quercus fulva*

Wetland

22497

*Quercus prinus*  
Sandy soil near stream

22498

*Quercus nigricans*  
*Quercus prinus*  
Wetland, shady place  
Sandy soil near stream  
In the upper part of the stream  
In the upper part of the stream

And paper on roadside in  
22499  
Stony ground

22500

*Quercus prinus*  
Stony field

22501

*Quercus prinus*  
Wetland bank of stream

22502

Gassy

*Stipa pulcherrima*  
*Stipa pulcherrima*

22505

Gassy, hillside

*Stipa pulcherrima*

22506

Gassy, bank of stream

22503

ditch

*Stipa pulcherrima*  
common

22504

Bank of stream

*Gymnocarpium*

*Dryopteris incarum* Maxon, sp. nov.

22507

ditch

*Sporobolus verticillatus*



22508

*Polypodium interruptum*  
Along roadside

*Pteris caudata*

22511

Along roadside

22509

*Polypodium*  
Along roadside

22512

*Adiantum poiretii*

22513

*Poa horridula*  
Along roadside

22514

Amn. ...  
Succid.

...  
...  
... 3

W...  
22515  
...  
...

*Axynopis*  
...  
...  
...

22516  
...  
...  
Polypodium

22517

...  
Ruch...

22518  
delle

22519  
delle

22520

*Sparganium* to *terrestris*  
*Sparganium* *terrestris*

Road

low

mostly glaucous but some  
dark green

22521

*Sparganium* *terrestris*  
low

22522

*Sparganium* *terrestris*  
Rough black, present  
in the same place  
with not repeated

22523

*Sparganium* *terrestris*  
Rough black

22524

*Sparganium* *terrestris*  
low  
Photo taken at Olova

dry

Rough black. Olova 3000M

dry  
Cliff of well cliff

*Polypodium subvestitum* Maxon

22526

*Andropogon*  
Cliff of Rock

22527

*Stipa*  
Little

22528

*Filum*  
Cliff of Stone wall  
*Notholaena nuda* (Poir.) Desv.

22529

*Filum*  
Cliff of Stone wall  
*Chilanthum myrsophyllum* Desv.

See 5

Went up a small valley  
2000 ft above the valley  
3600 Malt  
22530 *Drosera*  
High up the valley among  
shrubs, small creeping

22531

*Filum*  
In mossy shady place beside  
waterfall. Has bunch of dozen  
stems - erect, some bunches  
creeping

22532 *Asplenium whitebarta*  
terrestris  
high up rocky ravine, in shade

22533 *Asplenium*  
Gross basal leaf up

22534 *Asplenium*  
Moss  
Gross basal leaf up

22535 *Asplenium spicatum*  
terrestris  
Moss on rock leaf up

22536 Fern  
Rocky place, moss leaf up  
*Asplenium sessilifolium* Desv.?

22537 Fern  
ditto  
*Polystichum nudicaule* Rosenst.

22538 *Agropyron bicolor* Nutt.  
Must have among stumps  
half way up

22539 *Agropyron*  
ditto  
of 22538

22540 *Melilotus*  
Open common place  
in lawn in front of  
half way to top. Common

22541 Fern  
Rocky cliff halfway up  
*Cheilanthes*, n. sp.?

22542 Fern  
ditto  
*Cheilanthes pinnata* Kaulf.

22543 Fern  
Mossy rocky bank ditto  
*Filix fragilis* (L.) Vitif.

22544

delle

Fern

*Asplenium monanthos* L.

22545

delle

Fern

*Polystichum nudicaule* Rosenst.

22546

Rully cliff

Sela Guelba

dry, toward base

(*Selaginella peruviana* (Milde) Hieron.)

22547

delle

Fern

delle

*Polypodium subvestitum* Maxon

22548

delle

Fern

delle

*Notholaena bonariensis* (Milde) C. Chr.

22549

delle

Fern

delle

*Notholaena nivea* (Poir.) Desv.

22550 7 m

dillo dillo

Pellaea ternifolia (Cav.) Link.

S.E.C.

at 3850 M

At summit of Paulina L. (elevation 6500 ft) 5 mi south of Allamogosa

22551 7 m

Open ground by side of corn field  
perennial annual

22552

Chloris

dillo

perennial creeping forming mats, the  
flowers culms ascending or nearly  
perennial

22552 1/2 - Swamp

22553

Brickellia ulmifolia

dillo

22554

Erigeron

dillo

Perennial, prostrate

22555

Urtica

In shallow pool by  
garden ditch



22556 *Stipa*  
Along irrigation ditch - com.

22557 *Stipa*  
Among clumps on terraced  
field. Specimen with culm is  
from long culm broken up, the  
culm being purple broken when  
beet.

12200 ft Bolivia  
3700 M La Paz, Dec 14  
On road to Palca, east of La Paz

22558 *Stipa*  
Rocky slope, common, long blades  
of seed heads

22559 *Poa*  
Rocky slope, near Palca

22560 *Festuca*  
Along small gully, near Palca -  
deep well among rocks  
near gully

22561 *Bromus*  
In midst of large bunch of *Festuca*  
near 2560

22562 *Bromus unioloides*  
Sandy place - open ground

22563 *Bromus unioloides*  
Dry slope

22564 *Poa horridula*  
Dry slope

22565 *Milium*  
Shaded dry bank

22566 *Hordeum jubatum*  
Must open ground

22567 *Poa horridula*  
Dry slope

22568 *Festuca scirpifolia*  
F. scirpifolia  
Dry slope, common, large  
mounds of soil, steep banks

22569 *Polygonum heterophyllum*  
P. heterophyllum  
Moist bank

22570 *Poa bulbosa*  
Poa bulbosa  
Dry partially shaded bank ♀

22571 *Poa bulbosa*  
Poa bulbosa  
Dry ♂

22572 *Poa pratensis*  
Poa pratensis  
Along drainage ditch

22573 *Cortaderia*  
Cortaderia  
Banks of ravine, common  
♀ (several plants in it)

22574 *Poa annua*  
along ditch

22575 *Lolium perenne*  
along ditch

22576 *Poa annua*  
along ditch

22577 *Stipa*  
open dry ground

22578 *Nassella*  
ditch

22579 *Nassella*  
open

22580 *Slip* (*annulocornata*)  
Dillo

22583 *Pennisetum*  
Dillo. Spikes purple to gray  
Cucullata

22581 *Slip*  
Dillo

22584 *Aster*

Dec 15. Palca to Palaya

Pil 13000ft  
4000M

22582 *Bromus mitchellii*  
Dillo

22585 *Utricularia*  
Dillo, Palaya

22586 *Muhlenbergia*  
Open grassy slope between  
mud-puddles.

22587 *Poa Poa asperiflora*  
dry grassy slope

Dec 16. Slope of Illimani  
16000 ft highest  
4850 M

22588  
Cultivated for edible tubers, Patagonia  
Called papa lusa or papa lusa  
Said to have disappeared under  
when weather had an agricultural taste

22589 *Poa Poa* indet.  
Illimani below snow-line

22590 *Calamagrostis glauca*  
*Calamagrostis*  
Patagonia, snow-line, Illimani  
Large tufts, highest vegetation  
about 16000 ft

22591 *Calamagrostis*  
collo - ditto, small tufts

*Acrochne subinata*

22592

*Acrochne*

Bunches on hillsides  
abundant 4240M

Dec 17 Bitumen Pilgrimage  
3900M

22593 *Passiflora*

by slope

22594

*Sporobolus argutus*

by slope

22595

*Passiflora*

Trip to Kinross Dec-20 to 27, 1923

Accompanied by Sr. ...  
Pompa (20), Mules to San Felipe (21), to La Florida (22), to Chota de Jauru (23),  
to Inkuamani (24), to Chota (25), to Finca Villa Carmen (26), to Coripata  
(27), to Finca San José (28), to Coripata (29), to Finca  
Carmen (30), to Belaluz (31), to Pompa (32), by train to La Paz (33)

22596 *Muhlenbergia*

3000M

Open ground along Rio at Pompa

- Altitudes
- Pompa = 3634M
  - San Felipe - 2400M
  - La Florida - 1800
  - Chota - 1500
  - Inkuamani - 1600
  - Miluganga - 1500
  - San José - 1300
  - Coripata - 1500
  - Belaluz - 1500

San Felipe Dec 20

22597

*Paspalum*  
Stems 1.2 ft high, in moist  
bank - San Felipe, Dec 20

22598

*Poa trivialis*  
Moss bank

Are the small ones same as the  
larger ones?

22599

*Polygonum elongatum*  
*Polygonum*  
Along stream

22600

*Agrostis canadensis*  
*Agrostis*  
Wet bank

*Calluna vulgaris*

22601

*Calluna vulgaris*  
Wet bank

22602

*Trifolium pratense*  
*Trifolium*  
Wet bank

22603

*Agrostis canadensis*  
*Agrostis*  
Moss bank



*Sporobolus villosus*  
22604 *Sporobolus villosus*  
Open grassy slope trail

*Paspalum*  
22605 *Paspalum*  
ditto

*Syntherisma sanguinalis*  
22606 *Syntherisma sanguinalis*  
ditto

*Calabum ytha*  
22607 *Calabum ytha*  
side of ravine

La Florida, Dec. 21 1840M

*Paspalum verticillatum*  
22608 *Paspalum verticillatum*  
Cult. for pasture. (The wild plant  
set out by roots). Called Cachi - also  
Carcachi.

*Paspalum*  
22609 *Paspalum*  
Grassy bank

*Schizanthus rostratus*

22610

*Schizanthus pallasii*  
Shady bank

*Perovnia*

22611

*Perovnia*  
Open ground

*Popalium*

22612

*Popalium*  
Mud in field

*Erigeron*

22613

*Erigeron*  
Open ground along road

*Panicum*

22614

*Panicum*  
Mud in field  
Edge of woods

*Andropogon*

22615

*Andropogon*  
Grassy hill

226  
Shr 22616 *Lasianthus linearis*  
Woods along tract

22  
Op 22617 *Andropogon nevadensis*  
Grassy slope

22  
Me 22618 *Andropogon condensis*  
Grassy slope

281 1/2

