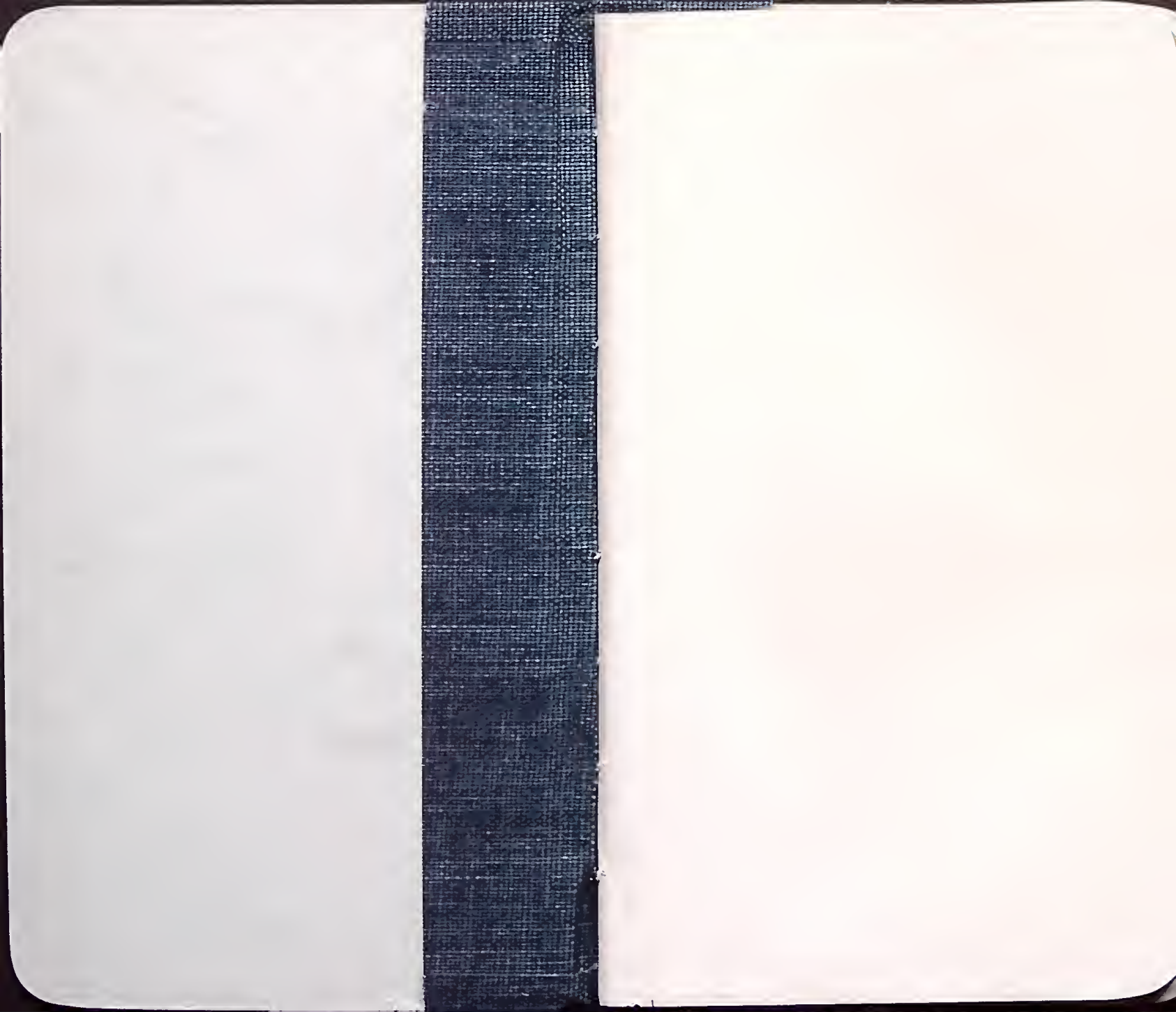


Vol. 137



Cuba, Spring, 1910. Vol. 17

Feb. 10, 1910. no. 4500 - 45296 Cook I

Havana Feb. 21-22

- 44900 *Acalypha*. Cult. woods, pedado
4501 *Commelina*. Waterford. Cienfuegos

Maya de Marianao, Feb. 22

- 4502 *Pyramia*. Peru & lands
4503 *Lua*. - Coastal plain
4504 *Protalaria* " "
4505 *Asperatum*. Coastal sands
4506 *Melitonia*. Coastal rocks
4507 *Nichardsonia*? Coastal sands
4508 *Platycodon*. - Peru & lands
4509 *Calatropia* cub. " "
4510 *Opuntia* " "
4511 *Spuchotria* " "
4512 *Syringium*. In mud
4513 *Lithosiphila* " "
4514 *Alternanthera*. In sand
4515 *Callitriche*. Water hole
4516 *Cynodactylon* den. Peru & lands
4517 *Catesbaea* " "
4518 *Erechtites* " "
4519 *Veronica* cu? " "

- | | | | |
|--------|----|----------------------|-----------------|
| ✓ 4520 | 21 | Panicum - | in muddy |
| ✓ 4521 | 22 | Salix | in marsh |
| ✓ 4522 | 23 | Malacra | Waste grounds |
| ✓ 4523 | 24 | Ptilanthus | - Grassy places |
| ✓ 4524 | 25 | Ipomoea poly. | Waste lands |
| ✓ 4525 | 26 | Ipomoea | " " |
| ✓ 4526 | 27 | Yucca | " " |
| ✓ 4527 | 28 | Stigmaphyllon | " " |
| ✓ 4528 | 29 | Utricularia | " " |
| ✓ 4529 | 30 | Malpighiaca | " " |
| ✓ 4530 | 31 | Ipomoea | " " |
| ✓ 4531 | 32 | Ficus | " " |
| ✓ 4532 | 33 | Peruvia | " " |
| ✓ 4533 | 34 | Trichilia | " " |
| ✓ 4534 | 35 | Malacra scabra | Coastal marsh |
| ✓ 4535 | 36 | Muhlenbergia sagrari | Waste lands |
| ✓ 4536 | 37 | Ipomoea | " " |
| ✓ 4537 | 38 | Chrysopsis | Coastal marsh |
| ✓ 4538 | 39 | Quercus peroba | Waste lands |
| ✓ 4539 | 40 | Suriana macrosp. | Waste lands |
| ✓ 4540 | 41 | Azoreaceae | Waste shade |
| ✓ 4541 | 42 | Chrysopsis | Grassy places |
| ✓ 4542 | 43 | Grasshopper | Waste lands |
| ✓ 4543 | 44 | Scirpus strictus | Coastal marsh |

- | | | | |
|-------|-----|----------------------|-----------------|
| ✓4544 | 45. | Chamaesyce | Coastal sands |
| ✓4545 | 46. | Asane | Roadside |
| ✓4546 | 47 | Mannioca. | Scrub lands |
| ✓4547 | 48 | Medicula | Woods |
| ✓4548 | 49 | Melastoma sub. | Scrub lands |
| ✓4549 | 50 | Chloris | " " |
| ✓4550 | 51. | Cyrt. trichotoma | Coastal thicket |
| ✓4551 | 52 | Lobelia Cliff? | Scrub lands |
| ✓4552 | 53 | Cyperus (tuft) | Coastal sands |
| ✓4553 | 54 | Verbesina | Scrub lands |
| ✓4554 | 55 | Rigoaceae | Woods & shade |
| ✓4555 | 56 | Walteria lucida | Scrub lands |
| ✓4556 | 57 | Echinodorus | Water hole |
| ✓4557 | 58. | Strombosia Martii? | Scrub lands |
| ✓4558 | 59 | Jacquinia | " " |
| ✓4559 | 60 | Alternanthera | Coastal sands |
| ✓4560 | 61 | Guzmania? | Wet places |
| ✓4561 | 62 | Apocynum Androsaemum | In mud |
| ✓4562 | 63 | Pereskia (sp. only) | Field |

July 24 1910
 Vicinity of San Juan

- ✓4563 64 *Cyperus* Punta Honda
- ✓4564 65 *Humulus* " " "
- ✓4565 66 *Cassia* - *trifoliat* " "

Punta Sabanilla, Guaymas, Sonora

- ✓4566 67 *...* *trifoliat* rocks
- ✓4567 68 *...* *trifoliat* rocks
- ✓4568 69 *...* " "
- ✓4569 70 *...* " "
- ✓4570 71 *...* *trifoliat* rocks
- ✓4571 72 *...* *trifoliat* rocks
- ✓4572 73 *...* *trifoliat* rocks
- ✓4573 74 *...* *trifoliat* rocks
- ✓4574 75 *...* *trifoliat* rocks
- ✓4575 76 *...* *trifoliat* rocks
- ✓4576 77 *...* *trifoliat* rocks
- ✓4577 78 *...* *trifoliat* rocks
- ✓4578 79 *...* " "
- ✓4579 80 *...* " "
- ✓4580 81 *...* " "
- ✓4581 82 *...* " "
- ✓4582 83 *...* " "
- ✓4583 84 *...* " "

- ✓ 4584 85 Pigeon ...
- ✓ 4585 86 Pigeon ...
- ✓ 4586 87 Pigeon ...
- ✓ 4587 88 Pigeon ...
- ✓ 4588 89 Pigeon ...

Feb. 25, 1910
Castello de Jagua, ...

- ✓ 4589 90 ...
- ✓ 4590 91 ...
- ✓ 4591 92 ...
- ✓ 4592 93 ...
- ✓ 4593 94 ...
- ✓ 4594 95 ...
- ✓ 4595 96 ...
- ✓ 4596 97 ...
- ✓ 4597 98 ...
- ✓ 4598 99 ...
- ✓ 4599 100 ...
- ✓ 4600 101 ...
- ✓ 4601 102 ...
- ✓ 4602 103 ...

✓4603	104	Rosa p. lina.	Willie
✓4604	105	Laesoulla	"
✓4605	106	Quercus laevis	"
✓4606	107	Quercus laevis	"
✓4607	108	Quercus laevis	Willie
✓4608	109	Quercus laevis	"
✓4609	110	Quercus laevis	Willie
✓4610	111	"	"
✓4611	112	"	"
✓4612	113	"	"
✓4613	114	"	"
✓4614	115	"	"
✓4615	116	"	"
✓4616	117	"	"
✓4617	118	"	"
✓4618	119	"	"
✓4619	120	"	"
✓4620	121	Proserpinaca	Willie
✓4621	122	Proserpinaca	"
✓4622	123	Dry petes	"
✓4623	124	Quercus laevis	"
✓4624	125	Quercus laevis	"
✓4625	126	Pithecolobium	"

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✓4627

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✓4660

Warty-barked Palm, Hillside ✓4647

Mastelma " ✓4648

Pelecioceros " ✓4649

Polyporus - On Cyrtium ✓4650

Feb. 26, 27, 28 ✓4651

Vic. Lago de Mandacaru ✓4652

Vernonia Banks ✓4653

Fungus - On Guava ✓4654

Cestrum Banks ✓4655

Fungus On Guava ✓4656

Salvia roadside ✓4657

Fungus On Cyrtium (133) ✓4658

Clavaria Along stream ✓4659

Cupania acer " " ✓4660

Mikania " " ✓4661

Hepatic On bank ✓4662

" " " ✓4663

" " " ✓4664

Fungus On Calopogonium ✓4665

Psychotria Along stream ✓4666

Hibiscus On Cyrtium bank ✓4667

Hepatic On " tree ✓4668

Fungus On sale-wood ✓4669

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Fungus On Cyrtium ✓4670

Fungus - On Passiflora ✓4671

Chaptalia Along stream ✓4672

Cestrum? " " ✓4673

Hibiscus " " ✓4674

Calopogonium " " ✓4675

Rondeletia Hillside ✓4676

Ternstroemia " " ✓4677

Cestrum " " ✓4678

Sida Along stream ✓4679

Passiflora Along stream ✓4680

Cestrum Along stream ✓4681

Chamaecrista Roadside ✓4682

Mikania " " ✓4683

Boerhaavia " " ✓4684

Ternstroemia Bank ✓4685

Passiflora Along stream ✓4686

Potamogeton Along stream ✓4687

Cestrum Along stream ✓4688

Vernonia " " ✓4689

Boerhaavia " " ✓4690

Cestrum " " ✓4691

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|--------|-----|-----------------|-----------------|
| ✓ 4670 | 171 | Merrill's Yucca | rocks in stream |
| ✓ 4671 | 172 | Urtica dioica | along stream |
| ✓ 4672 | 173 | Thymus | along stream |
| ✓ 4673 | 174 | Phacelia | along stream |
| ✓ 4674 | 175 | Madia | along stream |
| ✓ 4675 | 176 | Peperomia | shaded rocks |
| ✓ 4676 | 177 | Asplenium | " " |
| ✓ 4677 | 178 | Lythrum | bank of stream |
| ✓ 4678 | 179 | Salvia | along stream |
| ✓ 4679 | 180 | Erythronium | " " |
| ✓ 4680 | 181 | Callisiphon | hillside |
| ✓ 4681 | 182 | Callisiphon | " " |
| ✓ 4682 | 183 | Adiantum | hillside woods |
| ✓ 4683 | 184 | Acacia | hillside |
| ✓ 4684 | 185 | Trifolium | hillside woods |
| ✓ 4685 | 186 | Urtica | along stream |
| ✓ 4686 | 187 | Thymus | hillside woods |
| ✓ 4687 | 188 | Thymus | along stream |
| ✓ 4688 | 189 | Thymus | hillside |
| ✓ 4689 | 190 | Thymus | along stream |
| ✓ 4690 | 191 | Thymus | " " |
| ✓ 4691 | 192 | Thymus | along stream |
| ✓ 4692 | 193 | Thymus | hillside |

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|--------|-----|-------------|-----------------------|
| ✓ 4693 | 194 | Eupatorium | Stream bank |
| ✓ 4694 | 195 | Nanimum | " " |
| ✓ 4695 | 196 | Lespedeza | Rocks on stream bank |
| ✓ 4696 | 197 | Heisteria | Shaded stream |
| ✓ 4697 | 198 | Moss | Moist hill |
| ✓ 4698 | 199 | Piper | Bank of shaded stream |
| ✓ 4699 | 200 | Felicitaria | Hillside |
| ✓ 4700 | 201 | Paspalum | Valley |
| ✓ 4701 | 202 | Polypore | Over dead log |
| ✓ 4702 | 203 | Hepatic | Dry grassy bank |
| ✓ 4703 | 204 | Alec. brown | Shaded bank of stream |
| ✓ 4704 | 205 | Citrus | " " " |
| ✓ 4705 | 206 | Ficus | " " " |
| ✓ 4706 | 207 | Nectandra | " " " |
| ✓ 4707 | 208 | Glen. | " " " |
| ✓ 4708 | 209 | Platanella | Dry banks |
| ✓ 4709 | 210 | Polypore | Over dead wood |
| ✓ 4710 | 211 | Urtica | Fields |
| ✓ 4711 | 212 | Candicans | " " |
| ✓ 4712 | 213 | Trich. | Roadside |

Feb. 28 - Mar 1, 1910

1. Camp - ^{new} *Manana* ^{Barro}

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|--------|-----|-------------------------|-------------------|
| ✓ 4713 | 214 | <i>Eoatema</i> | Rocky stream |
| ✓ 4714 | 215 | <i>Micrura</i> | Washed, stream |
| ✓ 4715 | 216 | <i>Manuelia</i> | Under logs |
| ✓ 4716 | 217 | <i>Hepatica</i> | Under logs |
| ✓ 4717 | 218 | <i>Asplenium</i> | " " |
| ✓ 4718 | 219 | <i>Thalassia</i> | " " |
| ✓ 4719 | 220 | <i>Cryptogon</i> | Under logs |
| ✓ 4720 | 221 | <i>Leucodermis</i> | " " |
| ✓ 4721 | 222 | <i>Asplenium</i> | River bank |
| ✓ 4722 | 223 | <i>Asplenium</i> | " " |
| ✓ 4723 | 224 | <i>Cicuta (decidua)</i> | " " |
| ✓ 4724 | 225 | <i>Juniperus</i> | " " |
| ✓ 4725 | 226 | <i>Hepatica</i> | " " |
| ✓ 4726 | 227 | <i>Manuelia</i> | Under logs |
| ✓ 4727 | 228 | <i>Asplenium</i> | " " |
| ✓ 4728 | 229 | <i>Asplenium</i> | Rocky stream bank |
| ✓ 4729 | 230 | <i>Asplenium</i> | " " |
| ✓ 4730 | 231 | <i>Asplenium</i> | " " |
| ✓ 4731 | 232 | <i>Hepatica</i> | " " |
| ✓ 4732 | 233 | <i>Asplenium</i> | " " |
| ✓ 4733 | 234 | <i>Asplenium</i> | " " |
| ✓ 4734 | 235 | <i>Asplenium</i> | Under logs |

- | | | | |
|--------|-----|--------------|----------------------|
| ✓ 4735 | 236 | Caragana | Rocky river bank |
| ✓ 4736 | 237 | Microkuntia | " " |
| ✓ 4737 | 238 | Eugenia? | Wooded hillside |
| ✓ 4738 | 239 | Mouvi | " " |
| ✓ 4739 | 240 | Campyloneura | " " |
| ✓ 4740 | 241 | Yucca | " " |
| ✓ 4741 | 242 | Yarepavia | " " |
| ✓ 4742 | 243 | Leptocarpus? | Wooded hillside |
| ✓ 4743 | 244 | Yucca | " " |
| ✓ 4744 | 245 | Yucca | " " |
| ✓ 4745 | 246 | Yucca | " " |
| ✓ 4746 | 247 | Yucca | Rocky river bank |
| ✓ 4747 | 248 | Lepotia | Low bank |
| ✓ 4748 | 249 | Yucca | River bank |
| ✓ 4749 | 250 | Yucca | Low bank |
| ✓ 4750 | 251 | Yucca | In valley along road |
| ✓ 4751 | 252 | Yucca | Low bank |
| ✓ 4752 | 253 | Yucca | Low bank |
| ✓ 4753 | 254 | Yucca | Low bank |
| ✓ 4754 | 255 | Yucca | Low bank |
| ✓ 4755 | 256 | Lepotia | Low bank |
| ✓ 4756 | 257 | Yucca | Wooded hillside |
| ✓ 4757 | 258 | Yucca | " " |
| ✓ 4758 | 259 | Yucca | " " |

- ✓ 4759 260 Psychotria wooded hillsides
 ✓ 4760 261 Alseodora the old hill
 ✓ 4761 262 Thymus mont. along stream
 ✓ 4762 263 Lichen on rocks
 ✓ 4763 264 Lichen " "
 ✓ 4764 265 Cr. in soil wooded slope

1000
 Granadilla
 Thabarrilla

- ✓ 4765 266 Ficus along stream
 ✓ 4766 267 Lycopodium in soil
 ✓ 4767 268 Aspidium " "
 ✓ 4768 269 Philandria on rocks
 ✓ 4769 270 Pteris on rocks
 ✓ 4770 271 Lycopodium in soil
 ✓ 4771 272 Lycopodium in soil
 ✓ 4772 273 Lycopodium in soil
 ✓ 4773 274 Lycopodium in soil
 ✓ 4774 275 Lycopodium in soil
 ✓ 4775 276 Lycopodium in soil

2. Camp interact

March 12, 1913

Falls of the Habanilla ⁽²⁰⁰⁰⁾

- | | | | |
|-------|-----|-------------|----------------------|
| ✓4776 | 277 | Agave | steep side |
| ✓4777 | 278 | Epitoma | hillside |
| ✓4778 | 279 | Psychotria | on hillside |
| ✓4779 | 280 | Eliphanthus | hillside |
| ✓4780 | 281 | Psychotria | " |
| ✓4781 | 282 | Psychotria | " |
| ✓4782 | 283 | Psychotria | " |
| ✓4783 | 284 | Psychotria | in tree trunk |
| ✓4784 | 285 | Psychotria | hillside |
| ✓4785 | 286 | Cordia | in tree |
| ✓4786 | 287 | Trichomanes | " |
| ✓4787 | 288 | Trichomanes | in tree |
| ✓4788 | 289 | Psychotria | in rocky wooded area |
| ✓4789 | 290 | Epitoma | in tree |
| ✓4790 | 291 | Psychotria | " |
| ✓4791 | 292 | Psychotria | in tree trunk |
| ✓4792 | 293 | Psychotria | " |
| ✓4793 | 294 | Psychotria | in rocky wooded area |
| ✓4794 | 295 | Psychotria | in tree trunk |
| ✓4795 | 296 | Psychotria | " |
| ✓4796 | 297 | Psychotria | " |

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|--------|-----|-------------|--------------------|
| ✓ 4797 | 298 | Tillandsia | On trees |
| ✓ 4798 | 299 | Adiantum | Rocky wooded slope |
| ✓ 4799 | 300 | Peperomia | " |
| ✓ 4800 | 301 | Tillandsia | On trees |
| ✓ 4801 | 302 | Gonolobus | Rocky wooded slope |
| ✓ 4802 | 303 | Asplenium | Rocky wooded slope |
| ✓ 4803 | 304 | " | " |
| ✓ 4804 | 305 | Adiantum | Rocky wooded slope |
| ✓ 4805 | 306 | Epilobium | Crevices of cliffs |
| ✓ 4806 | 307 | Peperomia | Cliffs |
| ✓ 4807 | 308 | Fungus | On Tetradlea |
| ✓ 4808 | 309 | Polypodium | Wooded slope |
| ✓ 4809 | 310 | Viola | Rocky wooded slope |
| ✓ 4810 | 311 | Cypripedium | " |
| ✓ 4811 | 312 | Tillandsia | On mossy rocks |
| ✓ 4812 | 313 | Peperomia | Rocky wooded slope |
| ✓ 4813 | 314 | Viola | River bank |
| ✓ 4814 | 315 | Epilobium | On trees |
| ✓ 4815 | 316 | Viola | Cliff |
| ✓ 4816 | 317 | Peperomia | " |
| ✓ 4817 | 318 | Polypodium | " |
| ✓ 4818 | 319 | Regelia | " |
| ✓ 4819 | 320 | Adiantum | Falls |

- ✓ 4820 321 Adiantum . wooded slope
 ✓ 4821 322 Galium " "
 ✓ 4822 323 Crataegus (Cid)
 ✓ 4823 324 Adiantum wooded slope
 ✓ 4824 325 Adiantum "
 ✓ 4825 326 Hepatica On Ficus root
 ✓ 4826 327 Moss? In cleft
 ✓ 4827 328 Aspidium On Sparganium
 ✓ 4828 329 Fungus On dead wood
 ✓ 4829 330 Polypore " "
 ✓ 4830 331 Crataegus . Steep grassy slope
 ✓ 4831 332 Compositae " "
 ✓ 4832 333 Thalictrum " "
 ✓ 4833 334 Thymus " "
 ✓ 4834 335 Epipactis Rocky woods
 ✓ 4835 336 Pedicularis " "
 ✓ 4836 337 Epipactis " "
 ✓ 4837 338 Galium " "
 ✓ 4838 339 Thymus " "
 ✓ 4839 340 Adiantum Rocky woods
 ✓ 4840 341 Tillandsia In trees
 ✓ 4841 342 Sparganium Near bank
 ✓ 4842 343 Thymus In meadow

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|--------|-----|-----------------|-------------|
| ✓ 4843 | 344 | Erigeron | Rocky woods |
| ✓ 4844 | 345 | Ficus | Rocky bank |
| ✓ 4845 | 346 | Hemlock | " " |
| ✓ 4846 | 347 | Erigeron | Rocky woods |
| ✓ 4847 | 348 | Justicia | Rocky woods |
| ✓ 4848 | 349 | Pinus latifolia | Rocky bank |
| ✓ 4849 | 349 | Little Rock | Rocky woods |
| ✓ 4850 | 350 | Hydrangea | " " |
| ✓ 4851 | 351 | Galium | Cliffs |
| ✓ 4852 | 352 | Passiflora | " " |
| ✓ 4853 | 353 | Ipomoea | Rocky bank |
| ✓ 4854 | 354 | Albizia | Cliffs |
| ✓ 4855 | 355 | Passiflora | Rocky woods |
| ✓ 4856 | 356 | Passiflora | Rocky woods |
| ✓ 4857 | 357 | Passiflora | Rocky woods |
| ✓ 4858 | 358 | Xylocarpus | Rocky woods |
| ✓ 4859 | 359 | Epilobium | " " |
| ✓ 4860 | 360 | Epilobium | " " |
| ✓ 4861 | 361 | Epilobium | " " |
| ✓ 4862 | 362 | Epilobium | " " |
| ✓ 4863 | 363 | Epilobium | " " |
| ✓ 4864 | 364 | Epilobium | " " |
| ✓ 4865 | 365 | Epilobium | " " |

✓ 4866	366	Geococcyx	River bank
✓ 4867	367	Psychotria	" "
✓ 4868	368	Passiflora	" "
✓ 4869	369	Cucurbitaria	" "
✓ 4870	370	Orchid	- 6000 ft, on cliff
✓ 4871	371	Peperomia	" "
✓ 4872	372	Polypodium	" "
✓ 4873	373	Peperomia	River bank
✓ 4874	374	Peperomia	Rocky wooded hill
✓ 4875	375	Cucurbitaria	Bank of river
✓ 4876	376	Asplenium	Grassy hillside
✓ 4877	377	Asplenium	" "
✓ 4878	378	Malpighia	Rocky wooded hill
✓ 4879	379	Moss	On rotten log
✓ 4880	380	Moss	" "
✓ 4881	381	Moss	" "
✓ 4882	382	Moss	Rocky wooded hill

March 2-4, 1910

Camp

Camp Siguanay, 100m

- | | | | |
|--------|-----|-------------------|-------------------|
| ✓ 4883 | 383 | Shiny at | Roadside |
| ✓ 4884 | 384 | Hydrocotyle | |
| ✓ 4885 | 385 | Hydrocotyle - the | Proserpinaca |
| ✓ 4886 | 386 | Proserpinaca | the trees |
| ✓ 4887 | 387 | Hydrocotyle | the trees |
| ✓ 4888 | 388 | Hydrocotyle - the | Proserpinaca |
| ✓ 4889 | 389 | Hydrocotyle - the | Proserpinaca |
| ✓ 4890 | 390 | Hydrocotyle - the | Proserpinaca |
| ✓ 4891 | 391 | Hydrocotyle - the | Proserpinaca |
| ✓ 4892 | 392 | Hydrocotyle - the | Proserpinaca |
| ✓ 4893 | 393 | Hydrocotyle - the | Proserpinaca |
| ✓ 4894 | 394 | Hydrocotyle - the | Proserpinaca |
| ✓ 4895 | 395 | Mikania | Climbing on trees |
| ✓ 4896 | 396 | Hydrocotyle | Thickets |
| ✓ 4897 | 397 | Hydrocotyle | the dead trees |
| ✓ 4898 | 398 | Ficus | the tree trunk |
| ✓ 4899 | 399 | Ficus | the dead tree |
| ✓ 4900 | 400 | Moss | the tree trunk |
| ✓ 4901 | 401 | Hepatic | the moist rocks |
| ✓ 4902 | 402 | Hepatic | " " " |
| ✓ 4903 | 403 | Bogeria | wooded ravine |
| ✓ 4904 | 404 | Citrus | " " |

✓4905	405	Pardiphora	Hillside	550m
✓4906	406	Carria?	"	500m
✓4907	407	Grey pteris	Muddy river bank	
✓4908	408	Wetia	"	"
✓4909	409	Xanthosalis	Roadside	
✓4910	410	Eragrostis	"	
✓4911	411	Grey pteris	Muddy river bank	
✓4912	412	Adiantum	"	"
✓4913	413	Pelargonella	"	"
✓4914	414	Nasturtium	"	"
✓4915	415	Adiantum	"	"
✓4916	416	Grey pteris	"	"
✓4917	417	Teledium	"	"
✓4918	418	Panicum	"	"
✓4919	419	Ground orchid	"	"
✓4920	420	Adiantum	"	"
✓4921	421	Adiantum	"	"
✓4922	422	Resupinate fungus	On dead tree	
✓4923	423	Fungus	"	"
✓4924	424	Fungus	"	"
✓4925	425	Fungus	"	"
✓4926	426	Lichen	On tree trunk	
✓4927	427	Lichen	"	"

✓4928	428	Richen	On tree trunk
✓4929	429	Richen	" " "
✓4930	430	Richen	" " "
✓4931	431	Hepatic	" " "
✓4932	432	Hepatic	" " "
✓4933	433	Hepatic	" " "
✓4934	434	Thelocodantrum	" " "
✓4935	435	Pematophyllum	" " "
✓4936	436	Pematophyllum	" " "
✓4937	437	Hepatic	Muddy banks
✓4938	438	Leskea?	" "
✓4939	439	Fissidens	" "
✓4940	440	Ectophea	On tree
✓4941	441	Hepatic	" "
✓4942	442	Leskea	" "
✓4943	443	Phyllocladus	In swamps
✓4944	444	Hepatic	On leaves
✓4945	445	Rapidophyllum?	On tree
✓4946	446	Vesicularia	On mud
✓4947	447	Xylaria?	On rotten wood
✓4948	448	Peziza?	On mud
✓4949	449	Thelocodantrum	" "
✓4950	450	Amblystegium	In soil

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|-------|-----|----------------|--------------------|
| ✓4951 | 451 | 7be patie | On mud |
| ✓4952 | 452 | Helicodanum | On palm |
| ✓4953 | 453 | Res. Lea? | On mud |
| ✓4954 | 454 | 7be patie | On palm |
| ✓4955 | 455 | 7be patie 2003 | On tree |
| ✓4956 | 456 | Polanum jam | On tree |
| ✓4957 | 457 | Catopsis Nest. | On tree |
| ✓4958 | 458 | Symmaria | Roadside |
| ✓4959 | 459 | Rhynalis | " |
| ✓4960 | 460 | Antonia Camara | " |
| ✓4961 | 461 | Catopsis | On tree |
| ✓4962 | 462 | Hippia | Roadside |
| ✓4963 | 463 | Jamucus | Along river |
| ✓4964 | 464 | Grapt. Helium | Roadside |
| ✓4965 | 465 | Craucis his | On rocks |
| ✓4966 | 466 | Nard | On pine rocks |
| ✓4967 | 467 | Symmaria | On tree |
| ✓4968 | 468 | Nicker | On leaves |
| ✓4969 | 469 | Nard | On roots of trees |
| ✓4970 | 470 | Tristia | On wooded hillside |
| ✓4971 | 471 | Passum | " |
| ✓4972 | 472 | Rubiac. tree | " |
| ✓4973 | 473 | leg. Co. tree | On pasture |

- ✓4974 474 Icaorea wooded hillside
 ✓4975 475 Fungus - on Erioptera base
 ✓4976 476 Tillandsia on tree
 ✓4977 477 Fungus on dead wood
 ✓4978 478 Melastomaceae Moist bank
 ✓4979 479 Piper? Red stream
 ✓4980 480 Myrsine Hillside
 ✓4981 481 Coprosma " "
 ✓4982 482 Piper " "
 ✓4983 483 Musa Thicket
 ✓4984 484 Xyris Along river
 ✓4985 485 Fungus on dead wood
 ✓4986 486 Calceolaria on rocks

March 4. 1910

Angoy a etc. ~~March 4~~

(Finca) ~~Finca~~ ~~March 4~~ ~~March 4~~ (3200m)

- ✓4987 487 ~~Calceolaria~~ ~~March 4~~ ~~March 4~~
 ✓4988 488 ~~Calceolaria~~ ~~March 4~~ ~~March 4~~
 ✓4989 489 ~~Calceolaria~~ ~~March 4~~ ~~March 4~~
 ✓4990 490 ~~Calceolaria~~ ~~March 4~~ ~~March 4~~
 ✓4991 491 ~~Calceolaria~~ ~~March 4~~ ~~March 4~~
 ✓4992 492 ~~Calceolaria~~ ~~March 4~~ ~~March 4~~
 ✓4993 493 ~~Calceolaria~~ ~~March 4~~ ~~March 4~~

- | | | | |
|--------|-----|-----------------------|-------------|
| ✓ 4994 | 494 | Poly podium? | Rocky trail |
| ✓ 4995 | 495 | Tectaria | " " |
| ✓ 4996 | 496 | Leijunia | " " |
| ✓ 4997 | 497 | Poly podium | Under trees |
| ✓ 4998 | 498 | Cladonia | Massive |
| ✓ 4999 | 499 | Asplenium | " |
| ✓ 5000 | 500 | Asplenium | " |
| ✓ 5001 | 501 | Gelidium | " |
| ✓ 5002 | 502 | Fern (large, sterile) | " |
| ✓ 5003 | 503 | Diarrhea | " |
| ✓ 5004 | 504 | Polypodium | Under trees |
| ✓ 5005 | 505 | Poly podium | Under rocks |
| ✓ 5006 | 506 | Caulophanes | Under trees |
| ✓ 5007 | 507 | Thellia | Under tree |
| ✓ 5008 | 508 | Grass | Massive |
| ✓ 5009 | 509 | Pleurozia | " |
| ✓ 5010 | 510 | Adiantum | Rocky trail |
| ✓ 5011 | 511 | Marsippos | Under trees |
| ✓ 5012 | 512 | Polypodium | Massive |
| ✓ 5013 | 513 | Gelidium | " |
| ✓ 5014 | 514 | Caulophanes | Under trees |
| ✓ 5015 | 515 | Polypodium | Massive |
| ✓ 5016 | 516 | Thellia | Under trees |

✓ 5022a *Tuckermansia*

- | | | | |
|--------|-----|-----------------------|-----------------|
| ✓ 5017 | 517 | <i>Vittaria</i> ? | On trees |
| ✓ 5018 | 518 | <i>Calyptrogonia</i> | Ravine |
| ✓ 5019 | 519 | Fungus | On dead log |
| ✓ 5020 | 520 | Lichen | On leaves |
| ✓ 5021 | 521 | Hepatic | " " |
| ✓ 5022 | 522 | <i>Tuckermansia</i> | Masses of trees |
| ✓ 5023 | 523 | <i>Pseudomyrtilis</i> | On twigs |
| ✓ 5024 | 524 | <i>Pholidium</i> | On trees |
| ✓ 5025 | 525 | <i>Neckera</i> | On twigs |
| ✓ 5026 | 526 | <i>Neckera</i> | " " |
| ✓ 5027 | 527 | Moss | On trees |
| ✓ 5028 | 528 | Lichen | " " |
| ✓ 5029 | 529 | Hepatic | " " |
| ✓ 5030 | 530 | <i>Plaginella</i> | Bed of brook |
| ✓ 5031 | 531 | Lichen | " " " |
| ✓ 5032 | 532 | <i>Cylocladia</i> | Rocky brook |
| ✓ 5033 | 533 | <i>Electrogonium</i> | " " |
| ✓ 5034 | 534 | <i>Octoblepharum</i> | On tree |
| ✓ 5035 | 535 | <i>Pyrrhopygia</i> | " " |
| ✓ 5036 | 536 | <i>Calyptrogonia</i> | " " |
| ✓ 5037 | 537 | <i>Pyrrhopygia</i> | " " |
| ✓ 5038 | 538 | <i>Vittaria</i> | " " |
| ✓ 5039 | 539 | Lichen | On leaves |

- | | | | |
|--------|-----|----------------------|--------------------------|
| ✓ 5040 | 540 | <i>Alcedinopsis</i> | the twigs |
| ✓ 5041 | 541 | Moss | " " |
| ✓ 5042 | 542 | <i>Hookeria</i> | Red of streams |
| ✓ 5043 | 543 | Hepatic | the <i>Hydrocotyle</i> |
| ✓ 5044 | 544 | Hepatic | the <i>Calyptrogonia</i> |
| ✓ 5045 | 545 | Richia | " " |
| ✓ 5046 | 546 | <i>Plasiotrichum</i> | the <i>Macropodium</i> |
| ✓ 5047 | 547 | <i>Citadophyllum</i> | <i>Thelypteris</i> |
| ✓ 5048 | 548 | <i>Proserpinaca</i> | leaves |
| ✓ 5049 | 549 | <i>Harleiola</i> | <i>Thelypteris</i> |
| ✓ 5050 | 550 | Fungus | the <i>Peperomia</i> |

March 5, 1910

Camp-Siguanaca

- | | | | |
|--------|-----|----------------------|----------|
| ✓ 5051 | 551 | Moss? | the tree |
| ✓ 5052 | 552 | <i>Platanus</i> man | the tree |
| ✓ 5053 | 553 | Cucurbit | the tree |
| ✓ 5054 | 554 | <i>Piper</i> | " |
| ✓ 5055 | 555 | <i>Clitocarpus</i> ? | " |

March 5, 6. 1910 (430m)

4. Camp *Las Cochas*, near *Picnana*

- | | | | |
|--------|-----|-------------------------------|-----------------|
| ✓ 5056 | 556 | Dried up fern | On tree |
| ✓ 5057 | 557 | Black hepatic | Base of tree |
| ✓ 5058 | 558 | <i>Hypoxis</i> (purple) | Along road |
| ✓ 5059 | 559 | <i>Aspidopileum</i> | Base of tree |
| ✓ 5060 | 560 | <i>Pilea</i> ? | Low in |
| ✓ 5061 | 561 | <i>Plumbago thallic</i> | On tree |
| ✓ 5062 | 562 | <i>Dryopteris</i> | Hillside |
| ✓ 5063 | 563 | <i>Pharos</i> | Wooded slopes |
| ✓ 5064 | 564 | <i>Chesneya</i> | Passive |
| ✓ 5065 | 565 | Green parasite | limestone rocks |
| ✓ 5066 | 566 | <i>Polypodium</i> | Hillside |
| ✓ 5067 | 567 | <i>Piper</i> | Shaded hillside |
| ✓ 5068 | 568 | <i>Alcalypha</i> | " " |
| ✓ 5069 | 569 | <i>Lepidostroma mac.</i> | On shaded rock |
| ✓ 5070 | 570 | <i>Leptostroma</i> (w. green) | " " |
| ✓ 5071 | 571 | <i>Adiantum</i> | Wet rock |
| ✓ 5072 | 572 | Fern (narrow) | " " |
| ✓ 5073 | 573 | <i>Pilea</i> | Shaded woods |
| ✓ 5074 | 574 | <i>Asplenium</i> | Wet woodlands |
| ✓ 5075 | 575 | <i>Pilea</i> | On rocks |
| ✓ 5076 | 576 | Hepatic | " " |
| ✓ 5077 | 577 | Fungus | On dead wood |

Arroyo Cimarrone
March 5 (470m)

✓5078	578	Dryopteris	Wooded slope
✓5079	579	"plagavolta"	Parture
✓5080	580	Panicum	Thicket
✓5081	581	Panicum	Hillside
✓5082	582	Panicum	Edge of wood
✓5083	583	Davilla	Ravine
✓5084	584	Pteris	"
✓5085	585	Corallorhiza	Rocky stream bed
✓5086	586	Asplenium	Ravine
✓5087	587	Polypodium	"
✓5088	588	Polypodium	"
✓5089	589	Arthrostylidium	"
✓5090	590	Plantain	"
✓5091	591	Panicum	"
✓5092	592	Panicum	"
✓5093	593	Eupatorium	"
✓5094	594	Panicum	"
✓5095	595	Camphorosma (erect)	"
✓5096	596	Dryopteris	"
✓5097	597	Hellera	Wet cliff
✓5098	598	Lucyca	" "
✓5099	599	Eriogon	" "
✓5100	600	Crotalaria	Ravine

- | | | | |
|--------|-----|--------------------|-----------------------|
| ✓ 5101 | 601 | Dryopteris | Ravine |
| ✓ 5102 | 602 | Strophomenchus | " |
| ✓ 5103 | 603 | Asplenium | Rocky stream bed |
| ✓ 5104 | 604 | Helypodium | " " |
| ✓ 5105 | 605 | Large forest trees | Ravine |
| ✓ 5106 | 606 | Alkophila? | " |
| ✓ 5107 | 607 | Metopium | On trees |
| ✓ 5108 | 608 | Hepatic | " " |
| ✓ 5109 | 609 | Heckera | " " |
| ✓ 5110 | 610 | Heckera | " " |
| ✓ 5111 | 611 | Delphinella | On wet rocks |
| ✓ 5112 | 612 | Cyrtodictyon | On rotten log |
| ✓ 5113 | 613 | Macropodium | " " " |
| ✓ 5114 | 614 | Ectropogonum | " " " |
| ✓ 5115 | 615 | Pilotricum | On trees |
| ✓ 5116 | 616 | Metzgerium | " " |
| ✓ 5117 | 617 | Aspidopodium | " " |
| ✓ 5118 | 618 | Hepatic | On leaf |
| ✓ 5119 | 619 | Amphistegium | - gravelly stream bed |
| ✓ 5120 | 620 | Hepatic | On trees |

5. Camp Las Loas
March 6, 1910

- ✓ 5121 621 *Vigna* Thicket
✓ 5122 622 *Abies*? In dead wood
✓ 5123 623 Fungus In dead wood
✓ 5124 624 *Trichopodium* In rotten log
✓ 5125 625 *Helicodermium* In tree
✓ 5126 626 *Juglans* Along stream

Las Loas to Rio Negro March 6, 1910

- ✓ 5127 627 *Callitriche* Roadside wood
✓ 5128 628 *Little wood* " "
✓ 5129 629 *Anthracis* " "
✓ 5130 630 *Myopila* " "
✓ 5131 631 *Egletes* " "
✓ 5132 632 Fungus In dead wood
✓ 5133 633 *Almondia* (1 sp) In tree
✓ 5134 634 *Eupatorium* Roadside
✓ 5135 635 *Vesicaria* plate " "
✓ 5136 636 *Medusa* ? " "
✓ 5137 637 *Paspalum* Thicket
✓ 5138 638 *Cornus* Wooded area
✓ 5139 639 Moss In tree
✓ 5140 640 *Trichomanes* In tree roots

- ✓ 5141 641 Row tree - Fern Wooded bog
 ✓ 5142 642 *Melissurus* ? " " "
 ✓ 5143 643 *Cyperus* ? Roadside mud
 ✓ 5144 644 *Ilyxanthus* " " "
 ✓ 5145 645 *Meliphia* Wooded hillside
 ✓ 5146 646 *Asplenium* (weeb) Wet tree in bog
 ✓ 5147 647 *Passiflora* The " " "
 ✓ 5148 648 *Tournefortia* Thicket

6. Rio Negro, Nov. 6-7. (450m)

- ✓ 5149 649 *Tournefortia* River bank
 ✓ 5150 650 *Passiflora* Thicket
 ✓ 5151 651 ~~*Passiflora*~~ *Passiflora* tree
 ✓ 5152 652 *Ficus* River bank
 ✓ 5153 653 Fungus On *Agave*
 ✓ 5154 654 *Calamagrostis* Thicket
 ✓ 5155 655 *Cucurbit* Rocky pasture
 ✓ 5156 656 *Thuidium* On rocks
 ✓ 5157 657 *Saxifraga* Rocky river bank
 ✓ 5158 658 *Malvastrum* Wooded, ravine
 ✓ 5159 659 *Ipomoea* " "
 ✓ 5160 660 *Fern* Shaded rocks
 ✓ 5161 661 *Carex* Rocky river bed

Camp in
 Rio Negro

Early morning
 country

- | | | | |
|--------|-----|--------------------|--------------------------|
| ✓ 5162 | 662 | Fern | Under dry & shaded rocks |
| ✓ 5163 | 663 | Ground orchid | Ravine |
| ✓ 5164 | 664 | Epiphyllorhizaceae | " |
| ✓ 5165 | 665 | Polypodium | On rock |
| ✓ 5166 | 666 | Pilocarpus | Ravine |
| ✓ 5167 | 667 | Spiny shrub | " |
| ✓ 5168 | 668 | May apple | " |
| ✓ 5169 | 669 | Cestrum | " |
| ✓ 5170 | 670 | Dryopteris | River bank |
| ✓ 5171 | 671 | Campylosperma | On trees |
| ✓ 5172 | 672 | Little tree | Rocky area |
| ✓ 5173 | 673 | Scrophularia | By tree |
| ✓ 5174 | 674 | Asplenium | Ravine |
| ✓ 5175 | 675 | Metastachya | " |
| ✓ 5176 | 676 | Ericaceae | On steep hill |
| ✓ 5177 | 677 | Ericaceae | " Ravine |
| ✓ 5178 | 678 | Ceanothus | " Ravine |
| ✓ 5179 | 679 | Rubus | On dead wood |
| ✓ 5180 | 680 | Ericaceae | On steep hill |
| ✓ 5181 | 681 | Scrophularia | Ravine |
| ✓ 5182 | 682 | Asplenium | " |
| ✓ 5183 | 683 | Psychotria | " |
| ✓ 5184 | 684 | Melastomaceae | " |

5170

5180

- | | | | |
|--------|-----|-----------------|--------------|
| ✓ 5185 | 685 | Melasma | Rock |
| ✓ 5186 | 686 | Clintonsia fern | On tree fern |
| ✓ 5187 | 687 | Humula | Rock |
| ✓ 5188 | 688 | Epidermorum | On trees |
| ✓ 5189 | 689 | Adiantum | On vine |
| ✓ 5190 | 690 | Cucullaria | On tree |
| ✓ 5191 | 691 | Polypodium | Billside |
| ✓ 5192 | 692 | Epipactis | " |
| ✓ 5193 | 693 | Alga | On stream |
| ✓ 5194 | 694 | Calceolaria | " " |
| ✓ 5195 | 695 | Piraea | On trees |
| ✓ 5196 | 696 | Cystopteris | On stream |
| ✓ 5197 | 697 | Thelypodium | On trees |
| ✓ 5198 | 698 | Aspidotrichum | " " |
| ✓ 5199 | 699 | Thelypodium | On tree |
| ✓ 5200 | 700 | Juniperus | On log |
| ✓ 5201 | 701 | Thelypodium | On stream |
| ✓ 5202 | 702 | Moss | On vine |
| ✓ 5203 | 703 | Senecio | On log |
| ✓ 5204 | 704 | Thelypodium | On rock |
| ✓ 5205 | 705 | Thelypodium | " " |
| ✓ 5206 | 706 | Cladonia | " " |
| ✓ 5207 | 707 | Lichen | On stream |

✓ 5208	708	Agaricus	In stream
✓ 5209	709	Alga	" "
✓ 5210	710	Fungus	In dead wood
✓ 5211	711	"	" " "
✓ 5212	712	Ascaris	Met woods
✓ 5213	713	Diavilla	" "
✓ 5214	714	Maregravia	In tree
✓ 5215	715	Leucogonia	Met woods
✓ 5216	716	Fungus	In mosses
✓ 5217	717	Agaric	In dead wood
✓ 5218	718	Hypocistis	In tree
✓ 5219	719	Fungus	In dead wood
✓ 5220	720	Milvina	In wet woods
✓ 5221	721	Vanilla	" "
✓ 5222	722	Fungus	In dead wood
✓ 5223	723	Fungus	" " "
✓ 5224	724	"	" " "
✓ 5225	725	Ichthyocystis	" " "
✓ 5226	726	Fungus	" " "
✓ 5227	727	Lichen	In Ascaris leaf
✓ 5228	728	Ascaris	In dead wood
✓ 5229	729	Melasma	Waste grounds

- ✓ 5230 730 *Gonolobus* Near river
 ✓ 5231 731 Fungus On dead wood
 ✓ 5232 732 Fungus " " "
 ✓ 5233 733 Fungus " " "
 ✓ 5234 734 Fungus " " "
 ✓ 5235 735 Fungus " " "
 ✓ 5236 736 Calophyllum Shrub

March 8. 1910

Rio Negro to Manantiales

- ✓ 5237 737 *Peperomia* On tree
 ✓ 5238 738 *Peperomia* Roadside
 ✓ 5239 739 Purple *Oxalis* "
 ✓ 5240 740 Fungus On dead wood
 ✓ 5241 741 *Peperomia* On tree
 ✓ 5242 742 Moss On wood

March 22 1910

Camp. Manantiales (450m)

- ✓ 5243 743 " River bank
 ✓ 5244 744 *Peperomia* herb " "
 ✓ 5245 745 *Peperomia* " "
 ✓ 5246 746 *Peperomia* " "
 ✓ 5247 747 *Peperomia* " "
 ✓ 5248 748 *Peperomia* On *Ficus* (743)
 ✓ 5249 749 *Peperomia* " " "

52.48a *Peperomia*

- | | | | |
|--------|-----|---------------|--------------|
| ✓ 5250 | 750 | Lance fern | River bank |
| ✓ 5251 | 751 | Polypodium | Wooded hill |
| ✓ 5252 | 752 | Cephaelis | Tree |
| ✓ 5253 | 753 | Polypodium | Wooded hill |
| ✓ 5254 | 754 | Polypodium | Tree |
| ✓ 5255 | 755 | Rooting fern | Wooded hill |
| ✓ 5256 | 756 | Fine-cut fern | " " |
| ✓ 5257 | 757 | Alchemilla? | Tree |
| ✓ 5258 | 758 | Acanthaceae | Wooded hill |
| ✓ 5259 | 759 | Adiantum | " " |
| ✓ 5260 | 760 | Lespedeza? | Tree |
| ✓ 5261 | 761 | Valeriana | Shaded cliff |
| ✓ 5262 | 762 | Fern | By rock |
| ✓ 5263 | 764 | Moss | In river |

Coffee Plantation

- March 9 1910
 Camp El Noroñito (650m)
 - 750m
- | | | | |
|--------|-----|--------------|-----------------|
| ✓ 5264 | 765 | Heurictella? | Wooded hillside |
| ✓ 5265 | 766 | Polypodium | Hillside |
| ✓ 5266 | 766 | Helleborus | " |
| ✓ 5267 | 767 | Fern | Rock stream |
| ✓ 5268 | 768 | Erythroxylum | Ravine |

✓ 5269	769	Dryopteris	Ravine
✓ 5270	770	Rhizidophyllum	"
✓ 5271	771	Pteris	On tree
✓ 5272	772	Pteris	On rocks
✓ 5273	773	Mycothecium	Ravine
✓ 5274	774	Leucocarpus	Rocky stream bed
✓ 5275	775	Cyrtocarpus	Ravine
✓ 5276	776	Ground Orchid	"
✓ 5277	777	Pteris	"
✓ 5278	778	Fern	"
✓ 5279	779	Hepatic	On leaves
✓ 5280	780	Fern	Ravine
✓ 5281	781	Marattia	On tree
✓ 5282	782	Grass	Hillside
✓ 5283	783	Piper	Wet ravine
✓ 5284	784	Pickeringia?	" "
✓ 5285	785	Pellaea	" "
✓ 5286	786	Polypodium	" "
✓ 5287	787	Hepatic	" "
✓ 5288	788	Peperomia	" "
✓ 5289	789	Asplenium	" "
✓ 5290	790	Tree-fern	" "

Conservation work performed
1987-1988. NY State
Conservation/Preservation
Discretionary Grant.

