

. Looser's Chilean Plants

. Received at Gray Herbarium Jan. 11, 1930.

- 935 *Berberis empetrifolia* Lam.
 936 *Acaena pinnatifida* R. & P.
 937 *Viviania rosea* (Hook.) Klotzsch.
 938 *Melianthus major* L. South African
 939 Cardamine ? (fruit is necessary for the identification of Cruciferae)
 940 *Cardamine hirsuta* L.
 941 *Erigeron Karvinskianum* DC.
 942 *Triptilion cordifolium* Lag.
 943 *Oenothera rosea* Aiton
 944 *Senecio bahioides* H. & A. ?
 945 *Galinsoga parviflora* Cav.
 946 *Amaranthus*
 947 *Poa*
 948 *Distichlis thalassica* (HBK.) Desv.
 949 *Ammi Visnaga* (L.) Lam.
 950 *Aristida adscensionis* L.
 951 *Festuca megalura* Nutt.
 952 *Polygala Gayi* Bennet = *P. stricta* Gay, non St. Hil.
 953 *Piptochaetium bicolor* (Vahl) Desv.
 954 *Viola pusilla* Poepp. = *P. asterias* H. & A.
 955 *Carex setifolia* Kunze
 956 *Aplopappus chrysanthemifolius* (Less.) DC.
 957 *Trifolium depauperatum* Desv.
 958 *Corrigiola squamosa* H. & A.
 959 *Adesmia phylloidea* Clos
 960 *Juncus imbricatus* Laharpe
 961 *Ranunculus muricatus* L.
 962 *Eleocharis* sp. (mature fruit needed for determination)
 963 *Juncus* ? (too immature for identification)
 964 *Facelis retusa*, var. *chilensis* (F. & M.) Baker
 965 *Persea Meyeniana* Nees
 966 *Aristolochia chilensis* Miers
 967 *Senecio glabratus* H. & A.
 968 *Lycium chilense* Bert.
 969 *Veronica arvensis* L.
 970 *Medicago hispida* Gaertn., var. *denticulata* (Willd.) Urb.
 971 " " " " " " "
 972 *Galinsoga parviflora* Cav.
 973 *Senecio sinuatifolius* DC.
 974 *Bowlesia tropaeolifolia* Gillies
 975 *Loasa tricolor* Ker.
 976 *Chiropetalum tricuspdatum* (Lam.) Juss.
 977 *Bowlesia uncinata* Colla
 978 *Gnaphalium sphacelatum*, var. *chilensis* DC. [= no. 36]
 979 *Carduus pycnocephalus* (L.) Jacq.
 980 *Vicia vicina* Clos, forma
 981 *Oxybaphus micranthus* Choisy
 982 *Chiropetalum tricuspdatum* (Lam.) Juss.
 983 *Pasithea caerulea* Don
 984 *Monnina angustifolia* DC.
 985 *Anisomera littoralis* (Poepp. & Endl.) Moq.
 986 *Aplopappus uncinatus* Ph.
 987 *Calandrinia capitata* forma?
 988 *Phacelia brachyantha* Benth.
 989 *Viviana rosea* (Hook.) Klotzsch.

- 990 *Vicia vicina* Clos, forma
 991 *Acaena pinnatifida* R. & P.
 992 *Plagiobothrys tinctorius* (R. & P.) Gray
 993 *Poa*
 994 *Chaetanthera linearis* Poepp. ex Less.
 995 " "
 996 *Scirpus americanus* Pers.
 997 *Salpiglossis sinuata* R. & P.
 998 *Trifolium filiforme* L.
 999 *Scirpus asper* Presl
 1000 *Linum Chamissonis* Schiede

 1090 *Baccharis umbelliformis* DC.
 1091 *Petamilia striata* H. & A.
 1092 *Baccharis umbelliformis* DC.
 1093 *Chaetanthera tenella* Less.
 1094 *Godetia Cavanillesii* Spach.
 1095 *Colletia ulicina* Gillies
 1096 *Rumex acetosella* L.
 1097 *Lathyrus magellanicus* Lam. [= nos. 112, 113 & 709]
 1098 *Solanum marginatum* L.
 1099 *Apium* sp.? (fruit needed)

Duplicate of this list
 sent G. L. with letter of
 Jan. 15, 1930.

CHILIAN PLANTS FROM MR. G. LOOSER

Received at the Gray Herbarium April 7, 1930

Determinations in the Filices and Carex by Mr. C.A. Weatherby, in other groups by I. M. Johnston

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- 1082 *Dryopteris Sieboldii* (Van Houtte) Ktze. This is the cultivated fern, a native of China and Japan, which Mr. Weatherby mentioned in his letter of Jan. 27, 1930.
- 1110 *Bromus macranthos* Meyen
- 1111 *Calamagrostis* To be reported later
- 1112 *Hordeum comosum* Presl Hauman
- 1113 " " " approaching *H. secalinum*, var. *pubiflorum*
- 1114 *Calamagrostis* To be reported later
- 1115 *Trisetum* " " " "
- 1116 *Juncus balticus* Willd.
- 1117 *Carex hypoleucos* Desv. ex char. not represented previously in the Gray Herbarium. det. by Mr. Weatherby
- 1118 *Eleocharis montata* (HBK.) R. & S.
- 1119 *Senecio Bustillosianus* Remy Leaves slightly narrower and less abundantly lobed, but otherwise extremely like authentic material of the species collected by Gay.
- 1120 *Senecio rutaceus* Ph.
- 1121 " *crithmoides* H. & A. You had better compare this in the Philippi Herbarium. I have no specimens for comparison.
- 1122 *Aplopappus canefolius* Nutt.
- 1123 *Erigeron* sp. It is practically impossible to make a satisfactory determination in this genus. It is a more puzzling genus even than *Senecio*. You had better try to match it in the Philippi Herbarium.
- 1124 *Perezia* sp. To be reported later. We have a student here monographing this genus; at present he is away during the Spring holidays.
- 1125 *Fassauvia spinosa* (Remy) Reiche
- 1126 " *Lagascae* (Gillies) Meigen, forma *glabrescens* Hauman = *lanata* Reiche
- 1127 *Chaetanthera pusilla* (Don) H. & A.
- 1128 *Leucheria paniculata* Poepp.
- 1129 " sp. Not in the Gray Herbarium. cf. *L. paucicapitata* or *L. microcephala*
- 1130 *Pernettya leucocarpa* DC.
- 1131 *Anisomeria coriacea* Don
- 1132 *Astragalus* sp. Not matched in the Gray Herbarium. I would suggest that you look for this plant in the Philippi Herbarium under the species treated in Reiche's Flora as nos. 32-48.
- 1133 *Astragalus* sp. lacking fruit. This is a close match for Gay's collection from Coquimbo determined as *A. elata* in the Gay's Fl. Chile, but I am not certain it is the true *Phaca elata*. Your plant probably belongs among the species nos. 32-48 of Reiche's Flora.
- 1134 *Adesmis* sp. not in the Gray Herbarium. Compare it with *A. decumbens* Ph., *A. humifusa* Ph., *A. medinae* Ph. and *A. exile* Clos. Possibly a phase of *C. radicefolia*

- 1135 *Malesherbia incana* Werdermann Perhaps not distinct from
M. lirana Gay.
- 1136 *Epilobium chilense* Hausskn. Apparently this according to the re-
cent (1923) monograph by Samuelsson. In
collecting specimens of *Epilobium* care
should be taken to get good material of the
root to show, if present, the characteristic
buds borne there. These buds break off
easily, hence it is best to wash the soil
off carefully in water.
- 1137 *Calandrinia sericea* H. & A.
- 1138 " *polycarpoides* Ph.
- 1139 *Collomia biflora* (R. & P.) Brand
- 1140 *Ranunculus andinus* Ph.
- 1141 *Acaena macrostemon* Hook. f.
- 1142 *Picotiana corymbosa* Remy The typical form
- 1143 *Berberis empetrifolia* Lam.
- 1144 *Cerastium arvense* L.
- 1145 *Descurainia Cumingiana* (F. & M.) Prantl. [= ?*D. canescens* var.
andina Haum.]
- 1146 *Gentiana Ottonis* Ph.
- 1147 *Phacelia magellanica* (Lam.) Cav.
- 1148 *Arenaria serpens* HBK. (= *A. serpylloides* of Reiche)
- 1149 *Phacelia Cumingii* (Benth.) Gray
- 1150 *Laretia acaulis* (Cav.) Gill. & Hook.
- 1151 " " " " " "
- 1152 *Azorella bolacina* Clos
- 1153 *Cystopteris fragilis* (L.) Bernh.
- 1154 *Polypodium synammia* (Fée) C. Chr.
- 1155 *Gleichenia cryptocarpa* Hook.
- 1156 I think this is the cultivated form, of the European *Polystichum*
aculeatum, known to horticulturalists as *P. aculeatum* or *P. angu-*
lare, var. *acutilobum*, although the scales of the rachis are
broader than in our specimens and this frond shows ~~none~~ of the
proliferous buds usually found in this variety. It is indeed
interesting to find it escaped. C.A.W.
- 1157 *Blechnum penna marina* (Poir.) Kuhn
- 1158 *Gleichenia quadripartita* (Poir.) Moore
- 1159 *Asplenium magellanicum* Klf.
- 1160 *Calandrinia arenaria* Cham.

Sent with letter of
Apr. 9, 1930

Chilean Plants from Mr. Looser (5 packages) received March 24, 1939
determined at the Gray Herbarium by I.M. Johnston

- 3450 Spergularia *marina* (L.) Fres.
3451 Spergularia *marua* (L.) Gris
3452 Spergularia *villosa* (Pers.) Camb. (= *S. Liebmanniana*)
3612 Astragalus *Berteri* Colla
3613 Sisyrinchium *junciforme* Poepp.
3614 Oxalis *lineata* Gillies
3615 Polemonium *Jayanum* (Wedd.) Brand
3616 Viola)
3617 Viola) *pusilla* H & A. *formae*.
3618 Viola)
3619 Frankenia *salina* (Molina) Johnston
3620 Amaranthus *peruvianus* (Schauer) Standley?
3621 Amaranthus *peruvianus* Standley?
3622 Lythrum *Hyssopifolia* L.
3623 Vicia *villosa* Roth. var.
3624 Plagiobothrys *procumbens* (Colla) Gray
3625 Cressa *truxillensis* HBK
3626 Calandrinia *Berteroana* Phil.
3627 Calandrinia *Berteroana* Phil.
3628 Tragapogon sp. if flowers yellow this is *T. dubius* Scop.
3629 Heliotropium *curassavicum* L.
3630 Scirpus *riparius* Presl
3631 Polypogon *linearis* Trin (= no. 353)
3622 Polypogon *monspeliensis* (L.) Desv.
3633 Distichlis *thalassica* (H. & A.) Desv.
3634 Polypogon *monspeliensis* (L.) Desv.
3635 Lasthenia *obtusifolia* Cass.
3636 Plantago *truncata* Cham. subsp. *forma* Pilger
3637 Psilocarphus *chilensis* (Remy) Meigen [no. 742 is *P. globiferus* (Desv.) Nutt.] The genus has 2 species in Chile.

- 3638 *Atriplex* *coquimbensis* Phil
Heliochloides Hackel.
- 3639 *Alopecurus*
- 3640 *Cotula coronopifolia* L.
- 3641 *Ranunculus* *bonariensis* Poir
- 3642 *Myosurus* *apetalus* Gay
- 3643 *Juncus bufonius* L.
- 3644 *Lilaea scilloides* (Poir.) Hauman
- 3645 *Plagiobothrys procumbens* (Colla) Gray
- 3646 *Eleocharis* sp.
- 3647 ~~Pop~~ *Papaver hybridum* L.
- 3648 *Psilocarphus chilensis* (Perry) Mezger
- 3649 *Plagiobothrys procumbens* (Colla) Gray
- 3650 *Spergularia marina* (L.) Griseb
- 3651 *Ranunculus muricatus* L.
- 3652 *Oenothera cantorta* Dougl. var *divaricata* (Gay) Munz
- 3653 *Deschampsia* sp (= *Monandraia glauca* Desb.)
- 3654 *Puccinellia glaucescens* (P.) Parodi
- 3655 *Puccinellia* " " "
- 3656 *Amaranthus peruvianus* Standley?
- 3657 *Plagiobothrys procumbens* (Colla) Gray
- 3658 *Plagiobothrys procumbens* (Colla) Gray
- 3659 *Heliotropium curassavicum* L.
- 3660 *Scirpus riparius* Presl
- 3661 *Cristaria glaucophylla* Cav.
- 3662 *Atriplex semibaccata* R.Br.
- 3663 *Polygonum chilense* Koch
- 3664 *Nolana crassulifolia* Poepp.
- 3665 *Corrigiola latifolia* Gay
- 3666 ~~Myrt~~ *Myrcogenia exarocca* (DC) Berg, var. *tenax* (H.A.) Berg
- 3667 *Collomia biflora* (R.P.) Brand
- 3668 *Limonium* sp. (base of plant and leaves needed for identification)

- 3669 ~~Begonia~~ *Begonia ligulata* (Wall.) Engler
 3670 ~~Moronia~~ *Polygala thesioides* Willd.
 3671 *Cryptantha alyssoides* (DC) Reiche
 3672 *Weigelia japonica* DC.
 3673 *Nicotiana acuminata* Graham
 3674 *Scirpus asper* Presl

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- 3691 *Astragalus Arnottianus* (Gillies) ~~Reiche~~ Reiche
 3692 *Acaena penatifida* Rob. var.
 3693 *Astragalus Arnottianus* (Gillies) Reiche
 3694 ~~calyc~~ *Nastanthus ventosus* Mezen
 3695 ~~calyc~~ " " "
 3696 *Phacelia Cummingii* (Benth.) Gray
 3697 *Phacelia pinnata* (Rob.) Macbr.
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