



RR,R-5(CAL)  
Plant Identification  
Lassen

March 31, 1938.

Director,  
California Forest and Range Expt. Sta.,  
Berkeley, California.

Dear Sir:

Reference again is made to your (CAL) letter of January 18, to my preliminary report of February 18, to your (CAL) letter of March 2, and also to my reply of March 9, 1937.

The 158 plant specimens, collected by Messrs. L. R. Short (104), Wm. Gensberg (25 $\frac{1}{2}$ ), J. Warren (21), D. Gish (5), and W. McNulty (2), and by B. H. Short ( $\frac{1}{2}$ ), on the Lassen National Forest, have now, with four exceptions, been determined in the Bureau of Plant Industry and a list, in triplicate, of the identifications is enclosed.

Nos. S-402, Washington office no. 72756, S-479, Washington office no. 72764, no. S-489, Washington office no. 72765, and no. S-471, Washington office no. 72813, are species of Astragalus, Cirsium (2), and Lupinus, respectively, which have not yet been returned from the Bureau of Plant Industry (in the case of the Cirsium) or from Mr. Tidestrom (in the case of the Astragalus and Lupinus).

As will be noted in the accompanying list, this collection has added five new species and one new variety to Forest Service range plant records.

The following 6 specimens could not be determined positively to species (in one instance, not even to genus), mostly because they did not have sufficiently mature fruit:

|                    |       |
|--------------------|-------|
| S-419. Carex       | 72756 |
| S-418. (Cyperus ?) | 72757 |
| * * * * *          |       |
| S-426. Allocarya   | 72743 |
| S-378. Castilleja  | 72761 |
| S-417. Mimulus     | 72816 |
| S-435. Sophia      | 72851 |

These are, however, being retained, at least for the present, in the hope that additional and more mature material may be collected and submitted at some future time, so that the species may be determined.

Very Respectfully,  
Wm. Gensberg, J. Warren, D. Gish, W. McNulty and B.H. Short

As will also be noted in the accompanying list, we are submitting all three specimens of the borage group (2 of Alloearya and one of Lappula, collectors' nos. S-360, S-428, and S-458, Washington office nos. 72742, 72743, and 72804, respectively) to Dr. Ivan M. Johnston of the Arnold Arboretum, Jamaica Plain, Mass., perhaps the most outstanding borage expert in this country, for check-identification. You will be notified of his identifications when these are received.

The date of collection was missing from the Forms 767 for both S-361 and S-362, Washington office nos. 72775 and 72780, Collomia grandiflora and Crepis occidentalis, respectively. Are we correct in assuming that June 2, 1956, is the collection date?

The duplicate specimens will be returned to you, under separate cover, within the next few weeks, along with the duplicates of the San Joaquin Experimental Range plants which were submitted with this Lassen collection. Because of our extremely crowded condition, we are unable to keep a duplicate file here, and this is a main reason underlying the printed instructions governing this project, which provide that one set only of plants of a given collection be forwarded to the Washington office.

Carbon copies of this letter and list are being forwarded the Regional Forester at San Francisco for his information and that of the Supervisor of the Lassen National Forest.

Very truly yours,

W. A. DAYTON  
In ch., Range Forage Investigations.

(Enclosures)

**20th LARSEN COLLECTION**  
**(7th CALIFORNIA FOREST AND RANGE EXPERIMENT STATION COLLECTION)**  
**(Nos. 72721 to 72775, incl.)**

H. B. Plants collected by Messrs. Wm. Gensberg, D. Gish, W. McNulty,  
 B. H. Short, Laurence R. Short, and J. Warren.

Collectors' numbers are given on the left; Washington office  
 numbers on the right.

The asterisk (\*) indicates that notes for the species (or variety)  
 have not yet been prepared.

The number sign (#) indicates that notes for the species have  
 hitherto been furnished the Regional office at San Francisco.

The cent sign (¢) indicates that notes for the species (or variety)  
 will be found in the browse bulletin.

The at sign (@) indicates that notes for the species (or variety)  
 will be found in the Range Plant Handbook.

Notes for grasses will be found in the booklet of grass notes.

Grasses

|        |                             |        |                                                          |
|--------|-----------------------------|--------|----------------------------------------------------------|
| S-459. | <i>Agrostis exarata</i>     | 72721@ |                                                          |
| S-460. | <i>Bromus carinatus</i>     | 72722# | --includes <i>B. marginatus</i> & <i>B. polyanthus</i> . |
| S-469. | " <i>tectorum glabratus</i> | 72723# | (= <i>B. tectorum nudus</i> )                            |
| S-396. | <i>Danthonia unispicata</i> | 72724@ |                                                          |
| S-470. | <i>Elymus glaucus</i>       | 72725@ |                                                          |
| S-373. | <i>Koeleria cristata</i>    | 72726@ |                                                          |
| S-340. | <i>Poa nervosa</i>          | 72727  | --immature.                                              |
| S-341. | " "                         | 72728  |                                                          |
| S-451. | <i>Sitanion hystrix</i>     | 72729@ |                                                          |
| S-477. | " "                         | 72730@ |                                                          |
| S-366. | <i>Stipa californica</i>    | 72731  | --not in GRASS BOOKLET.                                  |
| S-462. | " <i>elmeri</i>             | 72732  |                                                          |
| S-401. | " <i>lessonii</i>           | 72733  |                                                          |
| S-456. | <i>Trisetum canescens</i>   | 72734  | (14)                                                     |

Grasslike Plants

|        |                        |        |                                                           |
|--------|------------------------|--------|-----------------------------------------------------------|
| S-419. | <i>Carex douglasii</i> | 72735# | --staminate plants.                                       |
| S-405. | " (sp.?)               | 72736  | --"too young".(R.F.M.)                                    |
| S-418. | <i>Cyperus</i> ??      | 72737  | --too immature; note ligule-like structure at leaf bases. |

( 3 )

Nongrasslike Plants (exclusive of Trees & Shrubs)

|        |                               |         |                                                                                     |
|--------|-------------------------------|---------|-------------------------------------------------------------------------------------|
| S-483. | <i>Achillea lanulosa</i>      | 72738#@ |                                                                                     |
| S-436. | <i>Agoseris retrorsa</i>      | 72739*  |                                                                                     |
| S-372. | " ( <i>taraxacifolia</i> ?)   | 72740   | --"(fruit) needed", S.F. Blake.                                                     |
| S-416. | <i>Allium lesmonii</i>        | 72741*  | --1st F.S. record.                                                                  |
| S-369. | <i>Allocarya (hispidula?)</i> | 72742   | --"too young." (R.F.M.). To be sub-<br>(mitted to Dr. Ivan Johnston, borage expert. |
| S-426. | " (sp.?)                      | 72743   | --no fruits present; to be submitted<br>to Dr. Johnston.                            |
| S-438. | <i>Alsine jamesiana</i>       | 72744#@ | (= <i>Stellaria jamesiana</i> )                                                     |

Mongrasslike Plants (exclusive of Trees & Shrubs) cont'd

|        |                                    |                |                                                                                                                    |
|--------|------------------------------------|----------------|--------------------------------------------------------------------------------------------------------------------|
| S-414. | <i>Antennaria argentea</i>         | 72745f         |                                                                                                                    |
| S-388. | " <i>dinorpha</i>                  | 72746f         |                                                                                                                    |
| S-478. | " <i>goyeri</i>                    | 72747f         |                                                                                                                    |
| S-482. | " <i>microcephala</i>              | 72748f         |                                                                                                                    |
| S-496. | <i>Aplepappus hirtus lamulosus</i> | 72749*         |                                                                                                                    |
| S-498. | <i>Apocynum androsaemifolium</i>   |                |                                                                                                                    |
|        |                                    | <i>pumilum</i> | 72750*                                                                                                             |
| S-407. | <i>Aquilegia formosa</i>           | 72751f/o       |                                                                                                                    |
| S-422. | <i>Arabis glabra</i>               | 72752f         |                                                                                                                    |
| S-354. | " <i>halboellii</i>                | 72753f         | ( <i>-A. retrofracta</i> ). The specimens (branched from the base are probably a form or variety of the species.   |
| S-498. | <i>Aster adscendens</i>            | 72754f         |                                                                                                                    |
| S-497. | " <i>shastensis</i>                | 72755f         |                                                                                                                    |
| S-402. | <i>Astragalus purshii</i>          | 72756f         | --not yet (March, '38) returned from B.P.I.                                                                        |
| S-441. | <i>Balsamorhiza sagittata</i>      | 72757f/o       |                                                                                                                    |
| S-415. | <i>Elephantopappus scaber</i>      | 72758f         |                                                                                                                    |
| S-408. | <i>Bursa bursa-pastoris</i>        | 72759f         | ( <i>-Capsella bursa-pastoris</i> )                                                                                |
| S-329. | <i>Gnaphora pumila</i>             | 72760f         | ( <i>-Hesperochiron pumilus</i> )                                                                                  |
| S-330. | " <i>watsoniana</i>                | 72760f         | ( <i>-Hesperochiron californicus</i> )                                                                             |
| S-378. | <i>Castilleja (sp.?)</i>           | 72761          | -- <u>file</u> Dr. Pennell.                                                                                        |
| S-480. | <i>Chaenactis douglasii</i>        | 72762f         |                                                                                                                    |
| S-457. | <i>Choirinia aspera</i>            | 72763f         | ( <i>-Erysimum asperum</i> )                                                                                       |
| S-479. | <i>Cirsium</i>                     | 72764          | --not yet (Mar., '38) returned from B.P.I.                                                                         |
| S-489. | "                                  | 72765          | -- do.                                                                                                             |
| S-358. | <i>Clarkia rhomboidea</i>          | 72766f         |                                                                                                                    |
| S-448. | " "                                | 72767f         |                                                                                                                    |
| S-359. | <i>Claytonia rubra</i>             | 72768          | ( <i>-Montia perfoliata depressa</i> ). "Dwarf" (R.F.M.)                                                           |
| S-400. | <i>Cogswellia austinae</i>         | 72769f         | ( <i>-Lomatium austinae</i> )                                                                                      |
| S-399. | " <i>rudicaulis</i>                | 72770f/o       | ( <i>-Lomatium rudicaule</i> )                                                                                     |
| S-344. | <i>Collinsia parviflora</i>        | 72771f         | ( <i>-C. tenella</i> (Pursh) Piper, <u>NOT</u> Benth.)                                                             |
| S-455. | " <i>torreyi</i>                   | 72772*         |                                                                                                                    |
| S-362. | <i>Collinsia grandiflora</i>       | 72773f         | --no date of collection, is it June 2, 1936?                                                                       |
| S-345. | " <i>linearis</i>                  | 72774f         |                                                                                                                    |
| S-365. | " "                                | 72775f         |                                                                                                                    |
| S-382. | " <i>tinctoria</i>                 | 72776*         | --"stamens equally inserted and filaments uneven in length, but flowers not yellow, -D.W.H."; "atypical." (R.F.M.) |
| S-469. | <i>Convolvulus polymorphus</i>     | 72777f         |                                                                                                                    |
| S-509. | <i>Crepis acuminata</i>            | 72778f/o       |                                                                                                                    |
| S-444. | " <i>monticola</i>                 | 72781c         |                                                                                                                    |
| S-476. | " <i>occidentalis</i>              | 72779f/o       |                                                                                                                    |
| S-361. | " "                                | 72780f/o       | --no date of collection; is it June 2, 1936?                                                                       |
| S-347. | <i>Delphinium menziesii</i>        | 72783c         |                                                                                                                    |
| S-381. | <i>Dodecatheon conjugens</i>       | 72783f         |                                                                                                                    |
| S-425. | <i>Dryocallis glandulosa</i>       | 72839f         | ( <i>-Potentilla glandulosa</i> )                                                                                  |

Nongrasslike Plants (exclusive of Trees & Shrubs) cont'd

|        |                                |         |                                                                                                                    |
|--------|--------------------------------|---------|--------------------------------------------------------------------------------------------------------------------|
| S-489. | <i>Epilobium brevistylum</i>   | 72784/  |                                                                                                                    |
| S-484. | " <i>paniculatum</i>           | 72785/  |                                                                                                                    |
| S-493. | " "                            | 72786/  |                                                                                                                    |
| S-451. | <i>Erigeron bloomeri</i>       | 72787*  |                                                                                                                    |
| S-350. | " <i>catali</i>                | 72788/  |                                                                                                                    |
| S-397. | " <i>inornatus</i>             | 72789*  |                                                                                                                    |
| S-474. | <i>Eriogonum nudum</i>         | 72790/c |                                                                                                                    |
| S-375. | " <i>spargulinum</i>           | 72827*  |                                                                                                                    |
| S-452. | " <i>umbellatum</i>            | 72791/c |                                                                                                                    |
| S-456. | <i>Eriophyllum lanatum</i>     | 72792/  |                                                                                                                    |
| S-449. | <i>Salophas bolanderi</i>      | 72793/  |                                                                                                                    |
| S-368. | <i>Galium bifolium</i>         | 72794*  |                                                                                                                    |
| S-387. | " <i>vailantii</i>             | 72795*  | (-G. <u>asperine vailantii</u> )                                                                                   |
| S-450. | <i>Gnaphalium humile</i>       | 72796*  | --1st F.S. record.                                                                                                 |
| S-435. | <i>Geranium viscosissimum</i>  | 72797/c | (-G. <u>incisum</u> )                                                                                              |
| S-412. | <i>Gilia aggregata</i>         | 72798/  |                                                                                                                    |
| S-472. | " <i>leptalea</i>              | 72799*  |                                                                                                                    |
| S-411. | <i>Hieracium albiflorum</i>    | 72800/c |                                                                                                                    |
| S-486. | <i>Hockera hyacinthina</i>     | 72801/  |                                                                                                                    |
| S-535. | <i>Hydrophyllum capitatum</i>  | 72802/  |                                                                                                                    |
| S-379. | <i>Kelloggia galioides</i>     | 72803/  |                                                                                                                    |
| S-458. | <i>Lappula californica</i>     | 72804*  | --to be submitted to Dr. Johnston, storage expert, for checking.                                                   |
| S-442. | <i>Leontodon taraxacum</i>     | 72804/c | (- <u>Taraxacum vulgare</u> )                                                                                      |
| S-348. | <i>Leptotaenia dissecta</i>    | 72807/  |                                                                                                                    |
| S-342. | <i>Leucocrinum montanum</i>    | 72808/  |                                                                                                                    |
| S-385. | <i>Linum lewisii</i>           | 72809/c |                                                                                                                    |
| S-356. | <i>Lithophragma tenella</i>    | 72810/  | --"apparently the form known as <u>L. australis</u> Rydb. "(N.A.D.).                                               |
| S-357. | " "                            | 72811/  |                                                                                                                    |
| S-447. | <i>Lotus americanus</i>        | 72812/  | --flowers faded?                                                                                                   |
| S-471. | <i>Lupinus (sp. nov.?)</i>     | 72815   | --not yet returned from Mr. Tidestrom; (possibly a new species. Duplicate of this also sent to Dr. C. Piper Smith. |
| S-457. | <i>Madia citriodora</i>        | 72814/  | --in immature flower.                                                                                              |
| S-355. | <i>Microseris nutans</i>       | 72815/  | (- <u>Scorzonella nutans</u> )                                                                                     |
| S-417. | <i>Mimulus (sp.?)</i>          | 72816   | -- <u>vide</u> Dr. Pennell.                                                                                        |
| S-467. | <i>Monardella odoratissima</i> | 72817/  |                                                                                                                    |
| S-392. | <i>Montia linearis</i>         | 72818/  |                                                                                                                    |
| S-374. | <i>Navarretia breweri</i>      | 72819/  |                                                                                                                    |
| S-473. | " <i>divaricata</i>            | 72820*  |                                                                                                                    |
| S-404. | <i>Nemophila parviflora</i>    | 72821/  |                                                                                                                    |
| S-395. | " <i>pedunculata</i>           | 72822   | --"perhaps. Flowers needed,"-(R.F.M.).                                                                             |
| S-455. | <i>Orobancha tuberosa</i>      | 72823*  | --1st F.S. record.                                                                                                 |
| S-453. | <i>Orthocarpus copelandii</i>  | 72824*  | -- do.                                                                                                             |
| S-394. | " <i>hispidus</i>              | 72825*  | -- do.                                                                                                             |
| S-402. | <i>Osmorhiza occidentalis</i>  | 72826/c |                                                                                                                    |
| S-535. | <i>Parrya menziesii</i>        | 72828   |                                                                                                                    |
| S-419. | <i>Pedicularis semibarbata</i> | 72829/  |                                                                                                                    |
| S-397. | <i>Pentstemon speciosus</i>    | 72830/  |                                                                                                                    |
| S-465. | <i>Phacelia heterophylla</i>   | 72831/  |                                                                                                                    |
| S-476. | " "                            | 72832/  |                                                                                                                    |
| S-351. | " <i>humilis</i>               | 72833/  |                                                                                                                    |