

RR, R-5(CAL)
Plant Identification
Lassen

February 18, 1937.

Director,
California Forest and Range Experiment Station,
Berkeley, California.

Dear Sir:

Reference is made to your (CAL) letter of January 18.

In accordance with your request, a list of tentative determinations is enclosed herewith for the 158 beautifully prepared specimens collected by Mr. L. R. Short and others on the Lassen National Forest. In addition to the numbers listed in your above-mentioned letter, nos. 8-434 and 8-474 were also received, thus making the total number of specimens 158 rather than 156.

It is noted that your station plants are being submitted to Washington in duplicate. We wonder if this may not be due to a misinterpretation of the instructions? It was necessary to provide that field administrative men should collect in quadruplicate, if the collector, Forest Supervisor, Regional Forester, and Washington office are each to have a set. If your station desires only to have a set for the collector and your station headquarters (besides, of course, the Washington office) then collection in triplicate will suffice for your station. In any event, one set only should be forwarded to Washington, as provided in the third paragraph on p. 3 of the printed instructions governing this project (see marked copy herewith).

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.

When the formal identifications are received from the Bureau of Plant Industry you will be promptly notified.

Very truly yours,

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

(Enclosure) Copy for collectors, D. Gish, Wm. Gensberg, J. Warren,
W. McNulty and B. H. Short.

List of tentative determinations by Doris W. Hayes, Assistant Forest Ecologist,
for plants of the "20th Lassen Collection."

- S-328. *Viola beckwithii*
- S-329. *Capnorea pumila* (= Hesperochiron pumilus)
- S-330. " *watsoniana* (= Hesperochiron californicus)
- S-331. *Dodecatheon conjugens*
- S-332. Cf. Phlox douglasii
- S-333. *Hydrophyllum capitatum*
- S-334. *Viola purpurea* -- leaf blades cordate!
- S-335. *Parrya menziesii*
- S-336. *Lithophragma tenella* -- apparently the form known as L. australis Rydb.
- S-337. " "
- S-338. *Ranunculus glaberrimus*
- S-339. " *alismaefolius* -- mature achenes lacking; petals large, but probably the variety hartwegi Jeps.
- ✓ S-340. Cf. Poa nervosa -- immature.
- S-341. Cf. " "
- ✓ S-342. *Leucocrinum montanum*
- ✓ S-343. *Collomia linearis*
- ✓ S-344. *Collinsia parviflora* (= C. tenella (Pursh) Piper NOT Benth.)
- ✓ S-345. *Viola praemorsa*
- ✓ S-346. *Arctostaphylos patula*
- ✓ S-347. *Delphinium menziesii* -- mixed with specimen of D. decorum patens?
- ✓ S-348. *Leptotaenia dissecta*
- ✓ S-349. *Amelanchier alnifolia* -- leaves serrate almost to base, hairy!
- ✓ S-350. *Erigeron* (*eatonii*?)
- ✓ S-351. Cf. Phacelia humilis
- ✓ S-352. *Polygonum sawatchense* -- achenes immature.
- ✓ S-353. *Microseris nutans* (= Scorzonella nutans)
- ✓ S-354. *Arabis holboellii* (= A. retrofracta)
- ✓ S-355. Cf. Senecio aronicoides -- ray flowers lacking but involucre tips somewhat blackish!
- ✓ S-357. *Pentstemon glaber*
- ✓ S-358. *Clarkia rhomboidea*
- ✓ S-359. *Claytonia rubra* (= Montia perfoliata depressa)
- ✓ S-361. *Crepis occidentalis*
- ✓ S-362. *Collomia grandiflora*
- S-363. " *linearis*
- ✓ S-366. *Stipa californica*
- ✓ S-367. Cf. Galium vaillantii (= G. aparina vaillantii)
- ✓ S-368. *Galium bifolium*
- ✓ S-372. *Agoseris* (*scorzoneraefolia* ?) -- specimen immature.
- ✓ S-373. *Koeleria cristata*
- ✓ S-374. *Navarretia breweri*
- ✓ S-375. Cf. Oxytheca dendroidea
- ✓ S-376. Cf. Solidago californica
- ✓ S-378. Cf. Castilleja parviflora douglasii
- ✓ S-379. *Kelloggia galioides*
- ✓ S-382. Cf. Collomia tinctoria -- but flowers not yellow!
- ✓ S-385. *Linum lewisii*

Tentative determinations of "20th Lassen Collection" cont'd

- ✓ S-386. *Antennaria dimorpha*
- ✓ S-387. *Rumex pauciflorus*
- ✓ S-389. Cf. *Allocarya* --too immature.
- ✓ S-390. *Polygonum watsoni* (= *P. imbricatum watsoni*)
- ✓ S-391. *Trifolium cyathiferum* --depauperate.
- ✓ S-392. *Montia linearis*
- ✓ S-393. Cf. *Nemophila pedunculata* --4 ovules in each of 2 capsules opened.
- ✓ S-394. *Orthocarpus hispidus*
- ✓ S-395. *Trifolium longipes*
- ✓ S-397. *Erigeron inornatus*
- ✓ S-398. *Danthonia unispicata*
- ✓ S-399. *Cogswellia nudicaulis* (= *Lomatium nudicaule*)
- ✓ S-400. Cf. *Cogswellia austinae* (= *Lomatium austinae*). Were flowers purple?
- ✓ S-401. *Stipa Lemmoni* --fide Mrs. Agnes Chase.
- ✓ S-402. *Astragalus purshii*
- ✓ S-403. *Osmorhiza occidentalis*
- ✓ S-404. *Nemophila parviflora*
- ✓ S-405. *Carex* sp. --perigynia immature.
- ✓ S-407. *Aquilegia formosa*
- ✓ S-408. *Bursa bursa-pastoris* (= *Capsella bursa-pastoris*)
- ✓ S-409. *Bromus tectorum glabratus* (= *B. tectorum nudus*)
- ✓ S-410. *Pedicularis semibarbata*
- ✓ S-411. *Hieracium albiflorum*
- ✓ S-412. *Gilia aggregata*
- ✓ S-414. *Antennaria argentea*
- ✓ S-415. *Layia* sp.
- ✓ S-416. *Allium* sp. --will not key in either Abrams or Jepson.
- ✓ S-417. *Mimulus guttatus depauperatus*
- ✓ S-418. Cf. *Cyperus* --too immature.
- ✓ S-419. *Carex douglasii* --staminate plant.
- ✓ S-420. *Polygonum sawatchense*
- ✓ S-422. *Arabis glabra* --possible mixture of two species in this folder?
- ✓ S-423. *Sieversia ciliata* (= *Geum triflorum*)
- ✓ S-425. *Potentilla gracillis* --variety?
- ✓ S-426. Cf. *Allocarya* --no fruits present.
- ✓ S-427. Cf. *Aster shastensis*
- ✓ S-429. *Epilobium brevistylum*
- ✓ S-430. *Sisyrinchium bellum*
- ✓ S-432. *Eriogonum umbellatum*
- ✓ S-433. *Gernanium viscosissimum* (= *G. incisum*)
- ✓ S-434. *Zygadenus paniculatus*
- ✓ S-435. *Sophia sonnei* (= *Sisymbrium incisum sonnei*)
- ✓ S-436. *Agoseris retrorsa*
- ✓ S-437. *Cheirinia aspera* (= *Erysimum asperum*)
- ✓ S-438. *Alsine jamesiana* (= *Stellaria jamesiana*)
- ✓ S-439. *Ribes cereum*
- ✓ S-440. *Wyethia mollis*
- ✓ S-441. *Balsamorhiza sagittata*

Tentative determinations of "20th Lassen Collection" cont'd

- ✓ S-442. *Leontodon taraxacum* (= *Taraxacum vulgare*)
- ✓ S-443. *Potentilla gracilis* --variety?
- ✓ S-444. *Crepis occidentalis*
- ✓ S-445. *Scutellaria nana*
- ✓ S-447. *Lotus americanus*
- ✓ S-448. *Clarkia rhomboidea*
- ✓ S-449. *Eulophus bolanderi*
- ✓ S-450. *Gayophytum humile*
- ✓ S-451. *Erigeron bloomeri*
- ✓ S-452. *Antennaria microcephala*
- ✓ S-453. *Orthocarpus cuspidatus* (= *O. pachystachyus cuspidatus*)
- ✓ S-454. *Epilobium paniculatum*
- ✓ S-455. *Collinsia torreyi*
- ✓ S-456. *Trisetum canescens*
- ✓ S-457. *Madia glomerata*
- ✓ S-458. *Lappula californica*
- ✓ S-459. *Eriophyllum lanatum* --variety *cuneatum* Jepson?
- ✓ S-460. *Bromus carinatus* --including *B. marginatus* & *B. polyanthus*.
- ✓ S-461. *Sitanion hystrix*
- ✓ S-462. *Stipa elmeri*
- ✓ S-463. *Phacelia heterophylla*
- ✓ S-465. *Orobanche tuberosa*
- ✓ S-466. *Prunus demissa*
- ✓ S-467. *Monardella odoratissima*
- ✓ S-468. *Symphoricarpos rotundifolius*
- ✓ S-469. *Convolvulus polymorphus*
- ✓ S-470. *Elymus glaucus*
- ✓ S-471. *Lupinus* sp. --very beautiful specimen.
- ✓ S-472. Cf. *Gilia leptalea*
- ✓ S-473. *Navarretia divaricata*
- ✓ S-474. *Eriogonum nudum*
- ✓ S-475. *Antennaria geyeri*
- ✓ S-476. *Crepis intermedia* (= *C. acuminata intermedia*)
- ✓ S-477. *Sitanion hystrix*
- ✓ S-478. *Phacelia heterophylla*
- ✓ S-479. *Cirsium* sp.
- ✓ S-480. *Chaenactis douglasii*
- ✓ S-481. *Crossularia velutina* (= *Ribes velutinum*)
- ✓ S-482. *Purshia tridentata*
- ✓ S-483. *Achillea lanulosa*
- ✓ S-484. Cf. *Rosa californica* --fruits immature.
- ✓ S-485. *Stachys ajugoides*
- ✓ S-486. *Hookera hyacinthina*
- ✓ S-487. Cf. *Silene douglasii* --variety?
- ✓ S-488. *Pterospora andromedea*
- ✓ S-489. *Cirsium* sp.
- ✓ S-490. *Sambucus caerulea* (**S. glauca*)
- ✓ S-492. *Apocynum androsaemifolium* -- variety *pumilum*?
- ✓ S-493. *Epilobium paniculatum*
- ✓ S-494. *Chrysothamnus viscidiflorus*

Tentative determinations of "20th Lassen Collection" cont'd

- S-495. Cf. Chrysothamnus pumilus (=C. Viscidiflorus pumilus)
- S-496. Aplopappus hirtus lanulosus
- S-497. " bloomeri (=Chrysothamnus bloomeri)
- S-498. Cf. Aster adscendens
- S-499. Agrostis exarata
- S-501. Polygonum spergulariaeforme
- S-502. Cf. Chrysothamnus occidentalis (=C. Nauseosus occidentalis)
- S-503. Tetradymia canescens -- more than 4 flowers in some of the heads.
- S-504. Chrysothamnus speciosus (=C. nauseosus speciosus)
- S-505. Artemisia tridentata
- S-506. " "
- S-507. Cercocarpus ledifolius --neither flowers nor fruit.
- S-508. Juniperus occidentalis
- S-509. Crepis acuminata

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