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About the Institute

The Hunt Institute for Botanical Documentation, a research division of Carnegie Mellon University, specializes in the history of botany and all aspects of plant science and serves the international scientific community through research and documentation. To this end, the Institute acquires and maintains authoritative collections of books, plant images, manuscripts, portraits and data files, and provides publications and other modes of information service. The Institute meets the reference needs of botanists, biologists, historians, conservationists, librarians, bibliographers and the public at large, especially those concerned with any aspect of the North American flora.

Hunt Institute was dedicated in 1961 as the Rachel McMasters Miller Hunt Botanical Library, an international center for bibliographical research and service in the interests of botany and horticulture, as well as a center for the study of all aspects of the history of the plant sciences. By 1971 the Library's activities had so diversified that the name was changed to Hunt Institute for Botanical Documentation. Growth in collections and research projects led to the establishment of four programmatic departments: Archives, Art, Bibliography and the Library.

Seed collections of Jos. F. Rock,
China-Tibet Border 1932.Plants of Southeast Tibet: Collected on
Mt. Kenichunpo, eastern and western slopes;
Salwin and Irrawadi Divide.

<u>Collector's Number</u>			<u>U.C.B.G. Number</u>
21930	Diplarche	Plant several inches high; fl. pink; on grassy slopes, elev. 14,000 ft. (As 22243)	33/6170
21931	Primula sp.? <u>Valentiniana</u> Hand.-Mst.	Fl. deep purple; alpine meadows, elev. 15,000 ft.	33/5403
21932	Primula sp.? <u>vernicoxa</u> Ward	Fl. white, 1 in. high; alpine meadows, elev. 15,000 ft.	33/5404
21933	Lilium sp.? (<u>Homoecharis</u>)	Fl. white; pl. 3 ft. tall; on grassy slopes, elev. 12,000 ft.	33/5239
21934	Cassiope sp.?	Fl. white; alpine regions, elev. 15,000 ft.	33/5171
21935	Cassiope sp.?	Fl. white; alpine regions, among scrub on summit ridges, elev. 15,000 ft.	33/5100
21936	Braya	Fl. pale blue; in mountain brook beds, elev. 15,000 ft.	33/6172
21937	Lilium sp.? (<u>Pritillaria</u>)	Fl. purplish red; in alpine meadows.	33/3240
21940	Pirola sp.?	Fl. yellowish-white; regions of pine forests, elev. 10,500 ft.	33/5361

*Nos. 21930 through 22306 - seed and flowering specimen numbers
correspond.

Rock Seed Collections.

Mt. Kenichunpo, Contd.

21941Collector's
NumberU.C.S.C.
Number

- 21941 *Primula* ~~sp. aff.~~ Fl. tubular, purple; on limestone crags, alpine regions, elev. 16,000 ft.
Gophalogramma minus Hand.-Mat. 33/5557
- 21946 *Primula* ~~sp. aff.~~ Fl. pale blue; on the spur of Niserengo, on clayey banks, Salwin Valley, elev. 10,000 ft.
obconica Hance forma 33/5405
- 21947 *Disporum* Shrub or bush, 2-3 ft.; fl. white; in shade of spruce forest, elev. 12,000 ft. 33/6173
- 21951 *Primula* ~~sp. aff.~~ Fl. yellow; in grassy slope, elev. 13,000 ft.
serratifolia Franch. 33/6318
- 21953 *Primula* ~~sp. aff.~~ Fl. blue; alpine meadows, elev. 14,500 ft.
macarioides Hemsl. 33/5406
- 21954 *Berneuxia thebetica* Fl. white; in shade of fir forest, elev. 13,000 ft. 33/6174
- 21956 *Primula* ~~sp. aff.~~ Fl. pink; on limestone crags, elev. 15,000 ft.
macvelia W.W.Sm. et Forrest 33/5407
- 21957 *Primula* sp.? Lvs. serrate, pale golden-yellow beneath; fls. large white; alpine region, grassy slopes, elev. 14,000 ft.
Acloniata Balf. f. et Forrest See 21952
- 21958 *Primula* sp.? Fl. large pink; otherwise same as 21957--the seeds of this are with 21957.
Acloniata Balf. f. et Forrest
- 21959 *Primula* Fls. golden-yellow beneath; fls. purplish-red; in fir forest, elev. 12,000 ft.
calliantha Franch. 33/5410-I
33/5411-II
- 21960 *Clintonia* Fl. blue; in canebroke, Mt. Kenichunpo, elev. 11,000-12,000 ft. 33/6175

Rock Seed Collections

Mt. Kenichunpo, Contd.

Collector's
Number21961.U.S.B.G.
Number

21961	<i>Fritula</i>	Fl. large, single, deep purple; alpine regions, at foot of crags, elev. 15,000 ft. <u><i>Gnaphalogramma Boulietii</i> Franch.</u>	33/5358
21962	<i>Clintonia</i>	Fl. white, in fir forest, elev. 12,000 ft.	33/6176
21964	<i>Androsace</i>	Fl. pink, on limestone crags, elev. 14,500 ft.	33/5030
21966	<i>Saussurea</i>	Fl. purple; alpine meadows, elev. 13,500 ft.	33/6177
21967	<i>Cresanthodium</i>	Fl. yellow; alpine meadows, elev. 13,500 ft.	33/6178
21968	<i>Wahlenbergia</i>	Fl. yellow; on limestone crags, elev. 14,500 ft.	33/6179
21969	<i>Chrysanthemum</i>	Fl. yellowish-red; alpine meadows, elev. 12,500 ft.	33/6180
21970	<i>Aster</i>	Fl. purple; alpine meadows, elev. 13,500 ft.	33/6181
21971	<i>Potentilla</i>	Fl. yellow; crags, in alpine reg- ions, 14,000 ft.	33/5387
21973	<i>Aconitum</i>	Climber on <i>Berberis</i> bushes; fl. purplish-blue; elev. 12,000 ft.	33/5016
21975	<i>Crepis</i>	Fl. bluish-purple; alpine meadows, elev. 14,000 ft.	33/6182

Rock Seed Collections

Ht. Konichunpa, Contd.

21983

U.C.S.G.
Number

Collector's
Number

21983	Crocyanthodium	Fl. yellow; alpine regions, among limestone crags, elev. 13,500 ft.	33/5180
21984		Fl. pale yellow; alpine meadows, elev. 11,000 ft.	33/5611
21990		Tree, 30 ft. high; fl. yellow, fragrant; slopes of Konichunpa, elev. 11,000 ft.	33/6183
21991	Magnolia	Tree, 50 ft. high; fl. white; slopes of Mt. Konichunpa, elev. 11,000 ft. Same locality as 21990.	33/5257
21992	Davidia involucrata	Tree, 60-70 ft. high; bracts cream-colored.	33/5140
21993	Rhododendron <u>haemalonum</u>	Shrub 2-3 ft.; fl. blackish-red; Konichunpa, elev. 12,000 ft.	33/5673
21994	Rhododendron <u>sperabileoides</u>	Shrub 3-4 ft.; fl. red; rocky alpine slopes, elev. 12,500-13,000 ft.	33/5674
21995	Rhododendron <u>Rainbridgenum</u>	Shrub 4-5 ft.; fl. pinkish-red; in fir forests, elev. 14,000 ft.	33/5675
21997	Rhododendron <u>salweenense</u> aff.	Shrub 2 ft.; fl. wine-colored red; alpine regions, elev. 14,000 ft.	33/5676
21998	Ribes	Shrub 6-8 ft.; fl. red; in forests of fir, elev. 12,500 ft.	33/5582
21999	Rhododendron <u>Rainbridgenum</u>	Shrub 5-6 ft.; fl. cream; in fir forest, elev. 12,500-13,000 ft.	33/5677

<u>Rock Seed Collections</u>			5.
Mt. Renickmpe, Contd.			<u>22000</u>
<u>Collector's</u>			<u>U.S.S.R.</u>
<u>Number</u>			<u>Number</u>
22000	Rhododendron <u>erinigerum</u>	Shrub 6-8 ft.; fl. reddish-purple; in fir forest, elev. 12,000 ft.	33/5678
22001	Rhododendron <u>pegophorum</u>	Shrub 4-5 ft.; fl. bright red; among limestone crags, elev. 13,000 ft.	33/5679
22002	Rhododendron <u>pegophorum</u>	Shrub 6-8 ft.; fl. red; alpine region, fir forest and crags.	33/5680
22003	Rhododendron <u>selectum</u> var. <u>brachyandrum</u>	Shrub 6-8 ft.; fl. red; in fir forest, elev. 13,000 ft.	33/5681
22004	Rhododendron <u>fulvum</u>	Tree 9-10 ft.; fl. pink; in fir forest, elev. 12,500 ft.	33/5682
22005	Rhododendron <u>selectum</u> var. <u>brachyandrum</u>	Shrub 5-7 ft.; fl. red; alpine regions, among rocks, elev. 13,500 ft.	33/5683
22006	Rhododendron <u>chaetomallum</u>	Shrub 5 ft.; fl. blackish-carmine; same locality as 22005.	33/5684
22007	Rhododendron <u>andorum</u>	Shrub 3 ft.; fl. purplish; rocky, alpine region, elev. 13,000 ft.	33/5685
22008	Ribes sp.?	Shrub 5-10 ft.; fl. red; in fir forest, elev. 12,000 ft.	33/5683
22009	Acer	Small tree, 15 ft.; in spruce forests, elev. 11,000 ft.	33/5003
22010	Acer	Tree 10-15 ft.; in spruce forest, elev. 11,500-12,000 ft.	33/5004

Rock Seed Collections.

Mt. Kenichunpo, Contd.

5.
22013Collector's
NumberU.C.S.C.
Number22013 Rhododendron Shrub 5-6 ft.; bark red; fl. small,
red, glaucous outside; same locality
as 22012.

33/5686

Gonostegium22014 Rhododendron Shrub 3-5 ft.; lvs. white beneath;
fl. yellow; among crags, elev. 13,500 ft.

33/5687

Curcum22015 Shrub 7-8 ft. high; fl. cream-colored;
in forests.

33/6184

22016 Enkianthus Tree 10 ft.; fl. white; in forests,
elev. 10,000 ft.

33/5159

22017 Enkianthus Tree 10-15 ft.; fl. cream-colored to
yellow; in open forests, elev. 10,500 ft.

33/5160

22019 Rhododendron Tree 10 ft.; fl. large, white; in
moxy forests, elev. 12,000 ft.

33/5688

bulatum22020 Styram Tree, 70-80 ft. high, very handsome;
fl. white; near banks of Salwin at
Champutong, elev. 7,000 ft.

33/6185

22021 Rhododendron Tree 8-10 ft.; fl. large, white;
alpine regions, elev. 13,000 ft.

33/5689

fiatellatum22023 Rhododendron Tree 12-15 ft.; fl. large, pink;
alpine forests, elev. 13,500 ft.

33/5690

ariselum22024 Rhododendron Tree 10-12 ft.; fl. bright red,
purplish tinge; alpine regions,
elev. 13,500 ft.

33/5691

ariselum

Rock Seed Collections.

Mt. Kenichanpa, Contd.

Collector's
Number

6.

22025U.S.S.R.
Number

22025	Rhododendron <u>ariscum</u>	Tree 12-15 ft.; fl. pink; alpine regions, elev. 13,500 ft.	33/5692
22026	Rhododendron <u>dolorum</u>	Shrub 5-6 ft.; fl. reddish-purple; middle slopes, in spruce forest, elev. 12,000 ft.	33/5693
22029	Rhododendron <u>metrius</u>	Shrub 6-8 ft.; fl. pale yellow; in spruce forest, elev. 12,000 ft.	33/5694
22030	Rhododendron <u>dasvoladum</u>	Shrub 5-6 ft.; fl. yellowish-red; alpine regions, at 12,500 ft. elev.	33/5695
22031	Rhododendron <u>Rainbridgeanum</u>	Shrub 6 ft.; fl. pink; among crags in alpine region, elev. 15,000 ft.	33/5696
22032	Rhododendron <u>dasvoladum</u>	Shrub 6-8 ft.; fl. pale pink; alpine regions, elev. 12,000 ft.	33/5697
22033	Rhododendron <u>selense forma</u>	Shrub 6 ft.; fl. large, pale pink; alpine regions, elev. 12,500-13,000 ft.	33/5698
22034	Rhododendron <u>haemialeum</u>	Shrub 4-5 ft.; fl. nearly black; alpine regions, elev. 13,000 ft.	33/5699
22035	Enkianthus	Shrub 6-10 ft.; fl. white; spruce forest, 10,500 ft.	33/5161
22036	Pieris	Shrub; lvs. large; fl. white; scrub forest, elev. 11,500 ft.	33/5377

Rock Seed Collections.

Mt. Kenichunpo, Contd.

7.

22037U.S.B.C.
NumberCollector's
Number

- | | | | |
|-------|------------------------------------|---|---------|
| 22037 | Rhododendron
<u>fiatolactum</u> | Tree 10-15 ft.; fl. cream-colored;
alpine region, fir forest, elev. 13,000 ft. | 33/5700 |
| 22038 | Rhododendron
<u>fiatolactum</u> | Tree 10-15 ft.; fl. yellow; alpine
region, elev. 13,500 ft. | 33/5701 |
| 22039 | Rhododendron
<u>fiatolactum</u> | Tree 6-8 ft.; fl. yellowish red; same
locality as 22038. | 33/5702 |
| 22040 | Rhododendron
<u>rossianum</u> | Shrub or small tree, 10 ft.; fl. white
pinkish; Pehalo or Bahong on Alulaka
Ridge, elev. 11,500 ft. | 33/5703 |
| 22041 | Rhododendron
<u>rossianum</u> | Shrub 6-8 ft.; fl. red; alpine region
of Pehalo, elev. 12,000 ft. | 33/5704 |
| 22042 | Rhododendron
<u>ninbarium</u> | Shrub 8 ft.; lvs. white beneath; fl.
pink; Pehalo alpine region, Alulaka,
elev. 12,000 ft. | 33/5705 |
| 22043 | Antianthus | Shrub 5-6 ft.; fl. red; mountains of
Champutong, elev. 11,000 ft. | 33/5162 |
| 22045 | Rhododendron
<u>oleifolium</u> | Shrub 3-4 ft.; fl. whitish-pink;
lower slopes of Champutong, elev.
9,000-10,000 ft. | 33/5706 |
| 22047 | Magnolia | 20-30 ft., very handsome; fl. white,
fragrant; mountains of Champutong,
elev. 10,000 ft. | 33/5258 |
| 22048 | Sorbus | Tree 10-15 ft.; fl. rich red; same
locality as 22047, elev. 11,000 ft. | 33/5632 |

Rock Seed Collections8.
22050

Mt. Kenichunpo, Contd.

Collector's
NumberU.C.B.G.

22050	Rhododendron repens var.	Shrub 2 ft.; fls. red, alpine regions mountains of Champutong, elev. 14,500'	33/6351
22051	(Leptodermis) Lonicera	Prostrate shrub; fls. pink, alpine elev. 13,000'	33/5224
22052	Deutzia	Shrub 10-15 ft.; fls. white, same locality as 22052	33/5153
22054	Deutzia or Philadelphus	Shrub 6-8 ft.; fls. pink purple; same locality as 22052	33/5154
22056	Rhododendron monanthum	Shrub 2-3 ft.; fls. yellow; alpine regions, Champutong, 13,500 ft. Note: Pkt. of sd. numbered 22057 may be 22056 - no pkt. numbered 22056	33/5707 ?
22057	(Gaultheria) Vaccinium	Shrub 1-2 ft.; fls. pink; slopes above Champutong, 10,000 ft.	33/5174
22058	Rhododendron chaetomallum	Shrub 10 ft.; fls. dark red, brill- iant carmine; mountains of Champu- tong, 12,000 ft.	33/5708
22059	Rhododendron chaetomallum	Shrub 6-8 ft.; fls. pink; mountains of Champutong, 12,000 ft.	33/5709
22061	Symplocos	Tree 15-20 ft.; fls. cream-colored; middle slopes, elev. 10,000 ft.	33/5654
22062	Viburnum	Shrub 3-6 ft.; fls. white; same locality as 22061	33/5664

Rock Seed Collections9.
22063

Mt. Konichunpo, Contd.

<u>Collector's Number</u>			<u>U.S.B.G. Number</u>
22063	<i>Rhododendron chryseum</i>	Shrub 2 ft.; fls. bright yellow; alpine regions, 14,000 ft.	33/5710
22064	<i>Rhododendron himartum</i>	Shrub 4-5 ft.; fls. orange-red; alpine regions, 14,000 ft.	33/5711
22065	<i>Rhododendron chaetomallum</i>	Shrub 5-8 ft.; fls. dark carmine; alpine regions, 14,000 ft.	33/5712
22066	<i>Rhododendron citiflorum</i>	Shrub 5 ft.; fls. orange-red; alpine regions, 14,000 ft.	33/5714
22067	<i>Rhododendron chaetomallum</i>	Shrub 6-10 ft.; fls. dark crimson; alpine regions, 14,000 ft.	33/5715
22068	<i>Rhododendron repens</i>	Prostrate, 6 inches; fls. red; lvs. small, elliptical; alpine regions on rocks, 15,000 ft.	33/5713
22070	<i>Rhododendron torquatum</i>	Shrub 3-4 ft.; fls. purplish-red; alpine region, 14,000 ft.	33/5716
22071	<i>Fagus</i>	Tree 30 ft.; burrs spiny, straw- colored; middle slopes, 10,000 ft.	33/5172

Rock Seed Collections10,
22090Southeast Tibet, Province of Tsarung, Northern slopes
of Mt. Konichunpo, north of Sikitung, Upper
Salwin River.

<u>Collector's Number</u>			<u>U.C.S.G. Number</u>
22090	<i>Rhododendron mekongense</i>	Shrub 2-5 ft.; fls. yellow; alpine regions, 12,000 ft.	33/5717
22091	<i>Rhododendron fictolacteum</i>	Shrub or tree 10-15 ft.; fls. white; alpine region above fir forest, 13,000 ft.	33/5718
22092	<i>Rhododendron fulvum</i>	Tree 10-12 ft.; fls. pink, same loc.	33/5719
22094	<i>Rhododendron arizelum</i>	Tree - giant - 20-25 ft.; fls. yellowish-red; lvs. lge.; in fir forest, 12,500 ft.	33/5720
22095	<i>Rhododendron critimam</i>	Tree 10-15 ft.; fls. purplish-red; above fir forest, 13,000 ft.	33/5721
22096	<i>Rhododendron niphargum</i>	Shrub 6-8 ft.; fls. pink; same loc.	33/5722
22097	<i>Rhododendron fulvum</i>	Tree 10-15 ft.; fls. pink, same loc.	33/5723
22100	<i>Rhododendron selectum</i>	Tree 6-10 ft.; fls. red; alpine regions, 13,000 ft.	33/5724
22102	<i>Rhododendron rhaibocarpum</i>	Shrub 6-8 ft.; fls. pink; alpine regions, 13,000 ft.	33/5725
22103	<i>Rhatatocarpus Carpinus</i>	Tree 15-20 ft.; fir forest, alpine regions.	33/6328

Hook Noed Collections

Province of Tearung, Contd.

11.

22105Collector's
NumberU.C.B.G.
Number

22105		Herb.; fls. red; on crags and cliffs, alpine regions, 12,000 ft.	33/6186
22106	<i>Rhododendron arizelum</i>	Tree, giant plant, 20-25 ft.; fls. bright red; alpine regions, 12,000 ft.	33/5726
22108	<i>Rhododendron arizelum</i>	Tree 10-15 ft.; fls. yellow; alpine regions, 12,000 ft.	33/5727
22110	<i>Rhododendron arizelum</i>	Shrub 6-8 ft.; fls. red; alpine regions, 12,000 ft.	33/5728
22111	<i>Rhododendron fulvum</i>	Shrub 10-15 ft.; fls. white; in fir and spruce forest, 12,000 ft.	33/5729
22112	<i>Rhododendron crinigerum</i>	Shrub 6-10-15 ft.; fls. white; alpine regions, 12,500 ft.	33/5730
22114	<i>Acer</i>	Tree 10 ft.; fls. red; same locality, 10,000 ft.	33/5905
22115	<i>Skimmia</i>	Tree 6-10 ft.; fls. yellow; same locality.	33/6187
22117	<i>Rhododendron fictolacteum</i>	Tree 10 ft.; fls. pink; alpine region, open landscape, 12,500 ft.	33/5731
22119	<i>Rhododendron Martinianum</i>	Shrub 5-6 ft.; fls. pink; lvs. small; alpine region, 12,500 ft.	33/5732
22121	<i>Rhododendron floccigerum</i>	Shrub 5-6 ft.; fls. yellow; alpine regions, 12,500 ft.	33/5733

Beak Seed Collections

Province of Tsarung, Contd.

12.
22122
U.C.S.C.
NumberCollector's
Number

22122	Rhododendron sporabileoides	Shrub 4-5 ft.; fls. deep red; alpine region.	33/5734 35
22123	Rhododendron Martinianum	Shrub 3 ft.; fls. purple; alpine region, 13,000 ft.	33/5735
22124	Prunus sp.	Tree 15-20 ft.; fls. white; alpine regions, elev. 12,500 ft.	33/5569
22126	Rhododendron floccigerum	Shrub 5-6 ft.; fls. yellowish-red; alpine regions, 12,000 ft.	33/5736
22130	Acer	Tree 20 ft.; fls. yellow; forests at 10,500 ft.	33/5936
22151	Saxifraga	Herb. 2 ft.; fls. yellow; among rocks, 11,000-12,000 ft.	33/5629
22152	Lilium (Nomocharis)	Fls. red; alpine meadows, 13,000 ft.	33/5241
22154	Senecio	Fls. yellow; in water courses, 14,500 ft.	33/6189
22159	Gresanthodium	Fls. yellow; alpine meadows, 12,000 ft.	33/5131

Rock Seed Collections

13.

Upper headwaters of Eastern Irrawaddy, alpine regions,
S.E. Tibet22101Collector's
NumberU.S.B.G.
Number

22161	<i>Aconitum</i>	Fls. blue; alpine meadows, 12,500 ft.	33/5317
22163	<i>Anthericum</i>	Fls. white; in meadows, 12,000 ft.	33/6189
22164	<i>Meconopsis</i>	Fls. blue; lvs. lobed, spines yellow; alpine crags, Upper Irrawaddy.	33/3263
22166	<i>Cremathodium</i>	Fls. yellow; on scree slopes, 15,000'.	33/6190
22170	<i>Primula</i> sp.	Fls. red to purple; alpine meadows, 15,000 ft. <i>Dickinsonia</i> Watt var. <i>Dantlingii</i> (King) W.W.Sm.	33/5412
22171	<i>Primula</i> sp.	Fls. yellow; wet gravelly alpine meadow. <i>flexilipes</i> Balf. f. et Forrest	33/5413
22173	<i>Cassiope</i>	Fls. white; on mossy banks among <i>Rhododendron</i> scrub, 14,000 ft.	33/6101
22175	<i>Vaccinium</i>	3-3 inches; fls. red; among boulders, 14,000 ft.	33/6191
22176	<i>Homocharis</i>	Fls. white, spotted purple; alpine meadows 12,500 ft.	33/5317
22178	<i>Primula</i> <i>Omphalogramma Souliei</i> Franch.	Fls. indigo blue; alpine regions in scree.	33/5659

Rock Seed Collections

14.

Upper headwaters of Eastern Irrawaddy, Contd.

<u>Collector's Number</u>		<u>U.C.D.C. Number</u>
22180	<u>Erismia dravidifolia</u> Franch. subsp. <u>ghrysoanhylla</u> Half. f. of Forrest Fls. pink; lvs. small, golden yellow; on cliffs limestone, 15,000 ft.	33/3414
22181	<u>Erismia dravidifolia</u> Franch. subsp. <u>ghrysoanhylla</u> Half. f. of Forrest Fls. pale blue; on cliffs limestone, 15,000 ft.	33/3415
22183	<u>Rhododendron didymum</u> Prostrate; lvs. small; fls. black alpine regions, 14,000 ft.	33/3737
22184	<u>Rhododendron</u> <u>cinereum</u> Benth Shrub 2-3 ft.; fls. small, yellow; same locality as 22183.	33/3738
22187	<u>Rhododendron chaetomallum</u> 5 ft. tall; lvs. chocolate color; fls. deep carmine; alpine regions, 14,000 ft.	33/3739
22188	<u>Rhododendron chaetomallum</u> 2-3 ft.; fls. deep red; alpine regions, 14,000 ft.	33/3740
22189	<u>Rhododendron horaeum</u> Spreading, prostrate, lvs. linear; fls. yellow; rocky, alpine regions, 15,000 ft.	33/3741
22191	<u>Rhododendron horaeum</u> Shrub spreading, prostrate, semi- erect; fls. yellow; alpine regions, 14,000 ft.	33/3742

Rock Seed Collections

Upper headwaters of Eastern Irrawaddy, Contd.

Collector's
Number15.
22192U.C.B.G.
Number

- | | | |
|-------|--|---------|
| 22192 | <u>Rhododendron horaeum</u>
Shrub, spreading, prostrate; fls.
yellow-red; alpine region, 14,000 ft.
(See original description for use of ditto
marks in description. May include "semi-erect") | 33/5743 |
| 22193 | <u>Rhododendron horaeum</u>
Shrub 2-3 ft.; fls. red; alpine
regions, 14,000 ft. | 33/5744 |
| 22194 | <u>Rhododendron horaeum</u>
Shrub 3 ft.; fls. yellowish-red;
alpine meadows, edge of forest above
fire, 14,500 ft. | 33/5745 |
| 22196 | <u>Rhododendron horaeum</u>
small shrub 3 ft.; fls. yellowish-
red; alpine scrub, 14,500 ft. | 33/5746 |
| 22197 | <u>Rhododendron chaetomallum</u> var.
Shrub 4-5 ft.; fls. red; alpine
scrub, 14,500 ft. | 33/5747 |
| 22198 | <u>Rhododendron sanguineum</u>
Shrub 4 ft.; fls. carmine; alpine
scrub, 14,500 ft. | 33/5748 |
| 22199 | <u>Rhododendron chaetomallum</u>
Shrub 6-8 ft.; fls. dark purplish-red;
alpine regions, 13,000 ft. | 33/5749 |
| 22201 | <u>Rhododendron sanguineum</u>
Shrub 2-3 ft.; fls. dark red; alpine
regions, 13,000 ft. | 33/5750 |
| 22202 | <u>Rhododendron sanguineum</u>
Shrub 1-2 ft.; fls. yellowish-red;
alpine regions, 13,000 ft. | 33/5751 |

Rock Seed Collections

Upper headwaters of Eastern Irrawaddy, Contd.

Collector's
Number

16.

22203U.C.B.C.
Number

22203	Rhododendron sanguineus form Shrub 2 ft.; fls. red; alpine re- gions, 13,000 ft.	33/5752
22204	Rhododendron sanguineus form Shrub 1-2 ft.; fls. red; lvs. small, glaucous beneath; alpine regions, 13,500 ft.	33/5753
22205	Rhododendron horaeum 1 ft.; fls. red; alpine regions, 14,500 ft.	33/5754
22206	Rhododendron horaeum form Shrub 3-4 ft.; fls. red; alpine regions, 14,500 ft.	33/5755
22207	Rhododendron horaeum Shrub 2-3 ft.; fls. deep carmine; alpine regions, 14,000 ft.	33/5756
22208	Rhododendron horaeum Shrub 1-2 ft.; fls. carmine; alpine regions, 14,000 ft.	33/5757
22210	Rhododendron citriniflorum Shrub 3-5 ft.; fl. yellow; alpine regions, 14,500 ft.	33/5758
22211	Rhododendron chaetosallum var. Shrub 5-6 ft.; fls. red; alpine regions, 14,500 ft.	33/5759
22212	Rhododendron citriniflorum Shrub 3-5 ft.; fl. yellowish-red; alpine regions, 14,500 ft.	33/5760
22213	Rhododendron citriniflorum Shrub 2-3 ft.; fls. orange-reddish; alpine regions, 14,500 ft.	33/5761

Peak Seed Collections

17

Upper headwaters of Eastern Irrawaddy, Contd.

22214Collector's
NumberU.S.S.C.
Number

- | | | |
|-------|--|---------|
| 22214 | <i>Rhododendron micromeres</i>
Shrub 3-6 ft.; fls. orange-reddish;
alpine regions, 14,500 ft. | 23/3762 |
| 22215 | <i>Rhododendron citriniflorum</i>
Shrub 1-2 ft.; fl. yellow; alpine
regions, 15,000 ft. | 33/3763 |
| 22216 | <i>Rhododendron megacalyx</i>
Tree 6-8 ft.; fls. immense, individual fl. 4" long,
white; spruce forest, 11,000 ft. | 33/3764 |

S. S. Tibet--Forests and alpine regions of the Solo-la,
Province of Tearing.

- | | | |
|-------|---|-----------------|
| 22219 | <i>Rhododendron fitchianum</i>
Tree 10-20 ft.; fl. white; above
fir forest, 13,500 ft. | 33/3765 |
| 22220 | <i>Rhododendron fitchianum</i>
Tree 10-20 ft.; fl. pink; alpine
regions, above fir forest, 13,500 ft. | 33/3766 |
| 22221 | <i>Rhododendron hecicianum</i>
Tree or shrub 5-8 ft.; fls. white;
same locality as 22220 | 33/3767 |
| 22222 | <i>Rhododendron cinctum</i> var. <i>brachyandrum</i>
Shrub 6 ft.; fls. pink; same locality
as 22220 | 33/3768 |
| 22223 | <i>Rhododendron hecicianum</i>
Tree 6-10 ft.; fl. white; same
locality as 22220. | 33/3769
5770 |

Rock Seed Collections

The Solo-la, Province of Tearing.

18.

22224

Collector's
NumberU.S.S.G.
Number

- | | | |
|-------|--|---------|
| 22224 | Rhododendron eclectum
Tree or shrub 3-6 ft.; fls. yellow;
same locality as 22220. | 33/5771 |
| 22225 | Rhododendron dolerum
Shrub 6-8 ft.; fls. red; same local-
ity as 22220, open alpine region, 14,500'. | 33/5772 |
| 22226 | Rhododendron
5-6 ft.; fls. pale yellow to cream;
14,500 ft.
(Selence-Thomsonii Series) | 33/5773 |
| 22227 | Rhododendron fictolactum
Tree 8-10 ft.; fl. pink; open alpine
region, 14,500 ft. | 33/5774 |
| 22228 | Rhododendron crinigerum var. eudeniun
Tree 8-10 ft.; fl. pink; alpine
regions, 14,000 ft. | 33/5775 |
| 22229 | Rhododendron arizelum
Tree 8-10 ft.; fl. yellow; alpine
regions, 14,000 ft. | 33/5776 |
| 22230 | Rhododendron eclectum
Shrub 4-6 ft.; fl. pale yellowish-
white; open alpine regions, 13,500 ft. | 33/5777 |
| 22231 | Rhododendron fictolactum
Tree 10-15 ft.; fl. pink; alpine
regions, elev. 13,500 ft. | 33/5778 |
| 22232 | Rhododendron arizelum
Tree 10-15 ft.; fl. yellow; alpine
regions, 13,500 ft. | 33/5779 |

Rock Seed Collections

19.

The Solo-la, Province of Tearing, Contd.

22233U.C.S.C.
Number

<u>Collector's Number</u>		
22233	<i>Rhododendron fistolacteum</i> Tree 8-10 ft.; fl. white; alpine regions, 13,500 ft.	33/5780
22234	<i>Rhododendron Boissianum</i> Tree 8-10 ft.; fl. pink; alpine regions, 13,500 ft.	33/5781 5782
22235	<i>Rhododendron citriniflorum</i> Shrub 3-4 ft.; fl. orange-red; alpine regions, 13,500 ft.	33/5783
22236	<i>Rhododendron sanguineum</i> var. Shrub 5 ft.; fl. blackish-red; alpine regions, 13,500 ft.	33/5784
22237	<i>Rhododendron</i> sp. <i>selense</i> forma Shrub 5-6-8 ft.; fl. pink; alpine regions, 13,500 ft.	33/5785
22238	22238 <i>Rhododendron sanguineum</i> var. Shrub 4 ft.; fl. black-carminc.	33/5786
22239	<i>Anemone</i> (<i>Clematis</i> ?) Climber; fl. lgc., white and purple; in spruce forest, 13,000 ft.	33/5838
22240	<i>Rosa</i> Shrub 6-12 ft.; fl. whitish pink; in spruce forest, 12,000 ft.	33/5892
22241	<i>Prunus</i> Shrub 3-4 ft.; fl. pink; alpine region among crags, 14,500 ft.	33/5570
22242	<i>Viburnum</i> Shrub 3 ft.; fl. white; alpine regions, 14,500 ft.	33/5665

Rock Seed Collections

The Solo-la, Province of Tsarung, Contd.

20.

22243Collector's
NumberU.C.S.C.
Number

22243	Diplarcho	Plant 1 inch; fl. white; alpine regions, 14,000 ft.	33/6192
22244	Polygonum	Plant 1 inch; fl. white; wet gravel, 15,000 ft.	33/6193
22246	Anemone	Fl. white; lvs. large; in spruce forest, 15,500 ft.	35/5039
22247	Primula prostrata Balf. f. et W.W.Sm.	Fl. yellow; alpine regions, 10,000 ft.	33/5416
22249	Astragalus	Fl. yellow; in meadows, 10,000 ft.	33/6194
22250	Meconopsis	Leaves entire; fl. steel blue; in scree, alpine regions, 15,000 ft.	33/5263
22251	Pedicularis	Fl. purple, alpine meadows, 12,000 ft.	33/5342
22252	Primula sikkimensis Hook. forma	Fl. yellow; alpine meadows, 14,000 ft.	33/5417
22253	Aquilegia	Fl. blue, large; alpine meadows, 14,000 ft.	33/5141
22254	Iris	Fl. deep purple-blue; alpine meadows, 12,500 ft.	33/5196

Rock Seed Collections

The Solo-la, Province of Tearing, Contd.

21.

22258Collector's
NumberU.C.S.C.
Number

22256	Anemone	Fl. white; alpine meadow, 12,000 ft.	33/5040
22257	Omphalogramma Souliei Franch.	Fl. large, deep indigo blue; alpine meadows, 13,000 ft.	33/5060
22258	Omphalogramma Souliei Franch.	Fl. large, indigo purple, petals fringed; alpine meadows, 14,500 ft.	33/5061
22259	Diapensia himalaica Hook. f. et Thoms. var. acutifolia W.S.Ev. fa. rubella W.S.Ev.	Cushion plant; fl. purplish-pink to rose red; on boulders, alpine region, 16,000 ft.	33/5418
22261	Pedicularis sp.	Fl. purplish red; alpine meadows, 13,000 ft.	33/5343
22263	Meconopsis	Fl. yellow; alpine meadows, 15,000 ft.	33/5264
22264	Lilium taliense Franch. (L. Wardii)	Fl. pink; in alpine meadows, 12,000 ft.	33/5242
22265	Cyananthus	Fl. deep blue; on limestone crags.	33/6193
22266	Codonopsis	Fl. red; alpine meadows, 12,000 ft.	33/6196
22269	Rhododendron coccineum	Shrub 6-8 ft.; fl. orange yellow to red; alpine regions, 13,500 ft.	33/5787

Rock Seed Collections.

The Solo-la, Province of Tearing, Contd.

Collector's
Number22.
22271
U.C.S.C.
Number

22271	<i>Rhododendron fulvastrum</i> Shrub 3 ft.; fl. yellow; in moss forest, 13,000 ft.	33/5788
22272	<i>Rhododendron fulvastrum</i> Shrub 3 ft.; fl. sulphur yellow; same locality as 22271.	33/5789
22273	<i>Anemone</i> (<i>Potentilla</i>) Fl. carmine; in loam, alpine regions, 12,000 ft.	33/5041
22274	<i>Potentilla</i> Fl. yellow; in scree, alpine regions, 14,000 ft.	33/5388
22275	<i>Primula conchifolia</i> Franch. Fl. blue; in (edge) outskirts of forests, 12,500 ft.	33/5419
22276	<i>Primula minor</i> Balf. f. et Ward Fl. red; on boulders, alpine regions.	33/5420
22277	<i>Rhododendron chlanidotum</i> Shrub 3-4 ft.; lvs. black beneath; fl. golden yellow; alpine regions, 14,500 ft.	33/5790
22279	<i>Rhododendron fictelasteum</i> Tree 10-15 ft.; fl. white; forming forests in open alpine regions, 14,000 ft.	33/5791
22280	<i>Acer</i> Tree 25-30 ft.; fl. reddish-yellow, in mixed forest, elev. 11,500 ft. <u>See 22282.</u>	33/5007

Back Land Collections

The Solo-la, Province of Tearing, Contd.

Collector's
Number23.
22201U.C.B.C.
Number

22201	<i>Evogyne</i>	Tree, 30 ft.; fl. yellow; in mixed forest, 11,500 ft.	33/6197
22203	<i>Acanthopanax</i>	35-40 ft.; along water courses in forests at 11,500 ft.	33/6198
22204	<i>Clematis</i>	Fl. white-pink; climber; along water courses in forests at 11,500 ft.	33/6106
22206	<i>Sorbus</i>	T Tree 10-12 ft.; fl. red; in forests.	33/5693
22207	<i>Viburnum</i>	Shrub 4-6 ft.; fl. white; alpine regions, 13,500 ft.	33/5666
22208	<i>Rhododendron daucypetalum</i>	Shrub 2-3 ft.; fl. blue; alpine regions, 13,000 ft.	33/5792
22209	<i>Rhododendron myrtilloides</i>	3-4 inches-1 ft.; fl. blackish-red; among rocks, 13,500 ft.	33/5793
22290	<i>Rhododendron fulvastrum</i>	Shrub 2-3 ft.; fl. yellow, pinkish tinge; alpine regions, 14,500 ft.	33/5794
22291	<i>Rhododendron dolerum</i>	Shrub 6-10 ft.; fl. pink; in fir forest, 13,500 ft.	33/5795
22292	<i>Rhododendron fulvastrum</i>	Shrub 3-4 ft.; fl. yellow; in fir forest, 13,500 ft.	33/5796

Rhododendron: Rock Seed Collections.
The Solo-la, Province of Tsarang, Contd.

24.

22295

<u>Collector's Number</u>		<u>U.S.G.C. Number</u>
22293	<i>Rhododendron sanguineum</i> Shrub 4 ft.; fl. blackish-carmine; alpine regions, 14,000 ft.	33/5797
22295	<i>Rhododendron fulvastrum</i> Shrub 3-4 ft.; fl. white, alpine region, 13,000 ft.	33/5798
22296	<i>Viburnum</i> Shrub 3-4 ft.; fl. white; alpine region, 13,000 ft.	33/5660
22297	<i>Rhododendron saluenense</i> Shrub 2-3 ft.; calyx carmine, petals purple; alpine region, 14,500 ft.	33/5799
22298	<i>Rhododendron fulvastrum</i> Shrub 3-4 ft.; fl. white; alpine region, 13,000 ft.	33/5798
22299	<i>Ilex</i> Shrub 5 ft.; fl. red; fir forest, 12,500 ft.	33/6199
22300	<i>Juniperus</i> Spreading from base, 4-5 ft. tall; alpine regions, 14,000 ft.	33/5810
22301	<i>Rhododendron floccigerum</i> Shrub 4-6 ft.; fl. red; lvs. lanceolate; alpine regions above fir forest, 14,000 ft.	33/5801
22302	<i>Rhododendron Valentiniarum</i> aff. Shrub 3-4 ft.; fl. yellow; 14,000 ft.	33/5802

Rock Seed Collections

The Solo-la, Province of Tsarang, Sontd.

22303

U.S.S.R.
NumberCollector's
Number

22303	<i>Rhododendron floccigerum</i> Shrub 6-7 ft.; fl. reddish, pink; alpine regions above fir forest, 14,000'.	33/5803
22304	<i>Rhododendron ornigerum</i> Shrub 6-8 ft.; fl. white; in fir forest, 13,000 ft.	33/5804
22305	<i>Rhododendron Clementinae</i> Tree 8-10 ft.; fl. red; alpine regions, 14,500 ft.	33/5805
22306	<i>Rhododendron Deesiana</i> Shrub 5-8 ft.; fl. pink; alpine regions, 14,500 ft.	33/5806
22307	<i>Rhododendron fistulaceum</i> Shrub-tree 15 ft.; fl. white; alpine regions, 14,500 ft.	33/5807

 Mountains of Tjonatong, Upper Salvin, Province of Tsarang,
S.E. Tibet

22312	<i>Anemone</i> Fl. purple; alpine meadows, 12,000 ft.	33/5808
22313	<i>Gentiana</i> Fl. deep blue; alpine regions, 13,500'.	33/5175
22316	<i>Androsace</i> Cushion plant; fl. pink; 15,000 ft.	33/5831
22320	<i>Potentilla</i> Fl. yellow; among boulders, alpine regions, 14,000 ft.	33/5369

Rock 3335 Collections

26.

Mountains of Tjanatong, Province of Tearing, Contd.

22321U.S.S.R.
NumberCollector's
Number

22321	Potentilla	Fl. yellow; alpine regions.	33/3390
22324	Anemone	Fl. pale lavender; on boulders, 14,500 ft.	33/3043
22326	Meconopsis	Fl. pale blue; alpine meadows, 12,500 ft.	33/3263
22330	Galtha	Fl. large, gold yellow; in wet swampy meadows, 12,000 ft.	33/3076
22335	Andromeda (Gaultheria?)	Shrub 1 ft.; among rocks, 14,500 ft.	33/3329
22343	Evonymus	Tree 10-20 ft.; fl. white; forest, eastern valley wall of Salwin, 10,000 ft.	33/6200
22344	Dactysia	Shrub 4-6 ft.; fl. pinkish white; same locality as 22343.	33/5155
22345	Rhododendron heliopsis	Shrub 5-6 ft.; fl. pink; alpine slopes 11,000 ft.	33/5806
22352	Cremathodium	Fl. yellow; alpine regions, wet mead- ows, 14,500 ft.	33/6201

Rock Seed Collections

27.

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22358

Mt. Wali-la, high mountain east of Salwin and north of
Alulaka, S.E. Tibet.Collector's
NumberU.C.B.G.
Number

22358	Potentilla	Fl. yellow; on crags, 15,000 ft.	33/5391
22360	Senecio	Fl. yellow; alpine meadows, 11,000 ft.	33/5624
22362	Aster	Fl. blue; alpine meadows, 13,500 ft.	33/5053
22365	Polygonum	Fl. deep carmine; on boulders, 14,500 ft.	33/3385
22366	Primula serratifolia Franch.	Fl. yellow; swampy alpine meadows; 14,500 ft.	33/5421
22369		Herb.; fl. white; on scree, gravelly slopes, 15,000 ft.	33/6202
22371	Aconitum	Fl. blackish blue; alpine meadows, 12,500 ft.	33/5010
22373	Delphinium	Fl. blue; alpine meadows, 13,000 ft.	33/5142
22375	Arenaria	Fl. white; in scree, alpine slopes, 14,500 ft.	33/6203
22376	Meconopsis	Fl. blue-purple; on scree, alpine regions, 15,000 ft.	5269
22377	Meconopsis	Fl. deep red; on scree, alpine regions, 15,000 ft.	33/5270, 5271

Rock Seed Collections.

28.

Mt. Wuli-la, north of Alulaka, Contd.

22378U.S.B.G.
NumberCollector's
Number

33/5814

22378 Salvia Fl. deep blue; alpine meadow, 14,500 ft.

22379 Meconopsis Fl. pale blue; scree, 15,000 ft. 33/5272

22380 Inula Fl. yellow; alpine meadows, 12,000 ft. 33/6204

22389 (Composite) Fl. purple; among boulders, 13,500 ft. 33/6205

22391 Cremanthodium Fl. yellow; alpine regions, 14,000 ft. 33/5132

22396 Prunus Fl. ?; 3-5 ft.; wild cherries; alpine regions, 14,000 ft. 33/5571

22397 Vaccinium Shrub 5-6 ft.; fl. ? alpine regions, 14,000 ft. 33/6206

22398 Pedicularis Alpine meadows, 13,500 ft. 33/5344

22407 Vaccinium (Oryzaceus) Small shrub; 6 inches or less; on rocks and boulders, 13,500 ft. 33/5661

22408 Primula sp. aff. calliantha Franch. probably Fl. ?; on cliffs and boulders, 13,500 ft. 33/5423

22410 Meconopsis Fl. deep blue; on scree, 14,500 ft. 33/6320

22412 Meconopsis Fl. pale blue; on scree, 14,500 ft. 33/6321

Rock Seed Collections

29.

Mt. Wali-la, Contd.

22438U.S.S.R.
Number

Coll. Numbers

Sd. Fl.

22438	22316	Meconopsis Fl. pink; on scree, 14,500-15,000 ft., same locality as 22438 22430.	33/5333
22439	22315	Meconopsis Lvs. lobed; fl. large, blue; on scree, 14,500-15,000 ft. Same locality as 22438 (Root used as medicine.)	33/5266
22437		Rhododendron helirolepis Shrub 5-6 ft.; fl. pink; alpine regions of Tjonatong.	33/6348
22439		Rosa Shrub 5-6 ft.; fl. ?; forests of Tjonatong, 10,000 ft.	33/5393

Mountains west of Champutong in the alpine regions, 12,000-
15,000 ft.; Upper Salwin, October 1938; among rocky spurs.

22440		Rhododendron megacalyx Shrub 6-8 ft.; fl. large white; 11,000 ft.	33/5610
22442		Rhododendron chaetomallum Shrub 4-6 ft.; fl. orange-red; 13,500 ft.	33/6343
22443		Rhododendron hemidartum Shrub 5-6 ft.; fl. light red; 13,500 ft.	33/6370
22444		Rhododendron chaetomallum Shrub 4-5 ft.; fl. blackish red; 13,500'.	
22446		Rhododendron Shrub 2-3 ft.; fl. red; 14,500 ft. (Horiiiflorum Series)	33/6345
22459		Rhododendron chaetomallum Shrub 3-4 ft.; fl. red; alpine 14,500'	35/6346

Rock Seed Collections

30.

Mts. west of Champutong, Upper Salwin, Contd.

22462U.S.B.C.
NumberColl. NumbersSd. Fl.

22462	<i>Rhododendron chaetomallum</i> Shrub 4-5 ft.; fl. pink; alpine region, 14,500 ft.	33/6347
22463	<i>Rhododendron ariselum</i> Tree 15-25 ft.; fl. white; alpine region, 14,500 ft.	33/6348
22464	<i>Rhododendron chaetomallum</i> Shrub 6-7 ft.; fl. dark red; alpine region, 14,500 ft.	33/6349
22465	<i>Rhododendron haematodes</i> Shrub 6-8 ft.; fl. ?; alpine region	33/6311
22466	<i>Rhododendron chaetomallum</i> Shrub 3-5 ft.; fl. ?; alpine region	33/6312
22490	<i>Magnolia</i> Tree 6-10 ft.; fl. white; on sparse fir forest, 12,500 ft.	33/6332

Mts. of Alulaka-Sahong, 14,000 ft., Salwin-Boyanlongba Valley,
Nisirango - Alulaka

22538	<i>Rhododendron Boesianum</i> Tree 6-8 ft.; fl. red	33/6550
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Mts. of Sikitung, west of Salwin, northern slopes of Mt. Hani-
chunpo, Province of Yunnan.

22541	<i>Meconopsis</i> Fl. blue; on scree, alpine regions, 15,000 ft.	33/6331
22542	<i>Lilium giganteum</i> Fl. ?; alpine meadows, 12,500 ft.	33/5243 5244

Rock Seed Collections

Mts. of Sikitang, northern slopes of Mt. Kenichumpo, Tearing, Contd.

31.

Coll. Numbers

22547
U.S.S.R.
Number

<u>No.</u>	<u>Fl.</u>		
22547		<i>Primula flexilipes</i> Balf. f. et Forrest Fl. yellow; wet alpine meadows, 15,500'.	33/6339
22550	None	<i>Sambucera</i> Fl. ?; alpine meadows, 12500 ft.;	33/6307
22554		<i>Cotoneaster</i> Shrub 5 ft.; fl. white; open scrub country, 11,000 ft.	33/6118
22558		<i>Prunus</i> Tree 10-15 ft.; fl. white; mixed forests, 11,000 ft.	33/6340
22560		<i>Rhododendron</i> Shrub 4 ft.; fl. orange-red; alpine regions, 14,500 ft. (<i>Sanguineum-Neriiflorum</i> Series)	33/6352
22569		<i>Rhododendron chaetomallum</i> form Shrub 3-5 ft.; fl. red; alpine regions, 14,500 ft.	33/6353
22572		<i>Rhododendron chaetomallum</i> Shrub 4 ft.; fl. red; alpine regions 14,500 ft.	33/6354
22573		<i>Rhododendron chaetomallum</i> Shrub 4-6 ft.; fl. red; alpine regions 14,500 ft.	33/6355
22575		<i>Rhododendron chaetomallum</i> Shrub 3 ft.; fl. red; alpine regions, 14,500 ft.	33/6356
22576		<i>Rhododendron</i> Shrub 4-6 ft.; fl. red; alpine regions, 14,500 ft. (<i>Sanguineum-Neriiflorum</i> Series)	33/6357
22577		<i>Rhododendron heracum</i> Shrub 1-2 ft.; fl. red; alpine regions, 14,500 ft.	33/6358

<u>Rock Seed Collections</u>		32.
Mts. of Nimitang, Tearung, Contd.		22578
Coll. Numbers		U.C.S.G.
<u>id.</u>	<u>sl.</u>	<u>Number</u>
22578	Rhododendron Shrub 2 ft.; fl. red; alpine regions, 14,500 ft. (Sanguineum-Heriflorum G.)	33/6359
22579	Rhododendron Shrub 1-2 ft.; fl. red; alpine regions, 14,500 ft. (Sanguineum-Heriflorum G.)	33/6360
22581	Rhododendron Shrub 2-3 ft.; fl. red; alpine ridges and sparse, Rhododendron scrub, 14,500 ft. (Sanguineum Series)	33/6361
22582	Rhododendron sanguineum Shrub 3 ft.; fl. red; alpine ridges and sparse, Rhododendron scrub, 14,500 ft.	33/6362
22583	Rhododendron Shrub 1 ft.; fl. red; alpine ridges and sparse, Rhododendron scrub, 14,500 ft. (Sanguineum Series)	33/6363
22586	Rhododendron micromeres Shrub 4-6 ft.; fl. yellow, small; in spruce forest, 11,000 ft.	33/6364
22591	Rhododendron Martinianum Shrub 2-3 ft.; fl. pink; open ridges, 12,000 ft.	33/6365
22594	Rhododendron ooleptum Shrub 8-10 ft.; fl. red; in spruce forests.	33/6373
22598	Rhododendron megacalyx Tree 10-15 ft.; fl. pure white; alpine Rhododendron forest, 14,500 ft.	33/6372
22606	Rhododendron dasycladum Shrub 6-8 ft.; fl. pink; above fir forest, open country, 15,500 ft.	33/6366

The Solo-la, Fearung

Coll. Numbers		U.S.S.R.
Ad.	Fl.	Number
22626	Rhododendron selessae Shrub 4-6 ft.; fl. pink; fir forest, 13,000 ft.	33/6367
22630	Rubus Fruits yellow; in larch and fir forest, 12,500 ft.	33/6368
22631	Cotoneaster Shrub 4 ft.; alpine regions on boulders, 13,500 ft.	33/6119
22634	Rhododendron oleifolium Shrub 6-8 ft.; fl. ?; forests of spruce, 11,000 ft.	33/6313
22637	Rhododendron Shrub 2-3 ft.; fl. blackish-red; alpine regions, 14,500 ft. (Sanguineum Series)	33/6369
22644	Rhododendron Shrub 2-4 ft.; fl. yellow; above fir forest, 13,500 ft.	33/6369
22649	Rhododendron ortizianum Montanum shrub 5-6 ft.; fl. ? ; alpine regions, 13,000 ft.	33/6314
22653	Vaccinium (Gaultheria) shrub 1 ft.; fruits red; among rocks, 12,000 ft.	33/5662
22656	Taxus Shrub, small tree 10-15 ft.; open scrub- forest land, 10,000 ft.	33/5695
22657	Rhododendron Tree 8-12 ft.; fl. ? fruiting only; fir forest, 12,000 ft. (Serbatum Series)	33/6315

Rock Seed Collections
The Hols-1a, contd.

Coll. Numbers
Ed. Fl.

54.
22677
U.S.S.R.
Numbers

22677	Aquilegia	Fl. purple; skirt outskirts of spruce forest, 21,500-18,000 ft.	33/6341
22678	Meconopsis	Fl. blue; in alpine scree 18,000 ft.	33/6336
22667	Caeciope	Fl. white; on rocks and among shrubs, 14,500 ft.	33/5108
22692	Meconopsis	Fl. yellow; alpine meadows, 12,000 ft.	33/6337

Mts. south of Litping and Wei-hai, Yunnan Province

Mt. Fuchuan, west of Mekong-Salwin Divide, west of Wei-hai

22651	22749	Primula sikkimensis Hook. Fl. yellow; alpine regions, wet places, 24,500 ft.	33/5424
22652	22699	Meconopsis Fl. dark black-red; in scree, 13,500-14,500 ft.; same locality as 22698	33/5274
22653	22699	Meconopsis Fl. dark purple; in scree, 13,500-14,500 ft., same locality as 22698	33/5275 5276
22654	22733	Meconopsis Fl. yellow; alpine meadow, 12,500 ft.	33/5273
22656	22751	Homoecharis Fl. white, spotted purple; alpine meadows, 13,500 ft.	33/5318
22657	22750	Primula chlorodyras W.W.Sm. Fl. yellow; alpine regions, 13,500 ft.	33/5425

Rock Seed Collections.

35.

Mt. Pichuan, Contd.

23255

U.C.S.C.

Number

Coll. Numbers

Sd. Fl.

23255	22747	Polygonum Fl. carmine; alpine meadows, 12,000 ft.	33/3386
23261	22744	Fl. greenish-purple; alpine meadows, 12,500'	33/3245
23262	22743	Primula serratifolia Franch. forma Fl. yellow; alpine meadows, 12,500 ft.	33/3426
23263	22742	Omphalogramma minus Hand.-Mst. Fl. indigo blue; alpine meadows, 12,500 ft.	33/3562
23264	22741	Cremathodium Fl. purple; alpine meadows, 12,500 ft.	33/3208
23265	22740	Pedicularis Fl. purple; alpine meadows, 12,500 ft.	33/3345
23266	22739	Potentilla Fl. yellow; alpine regions, 12,000 ft.	33/3392
23267	22738	Cremathodium Fl. purple; alpine regions, 12,000 ft.	33/3209
23268	22737	Caltha Fl. yellow; swampy alpine regions, 12,000 ft.	33/3077
23269	22736	Pedicularis Fl. pink to purple; alpine meadows, 12,500'	33/3212
23270	22735	Hardestachys Fl. pinkish purple; alpine meadows, 12,500'	33/3210
23271	22734	Potentilla 3 ft.; fl. pale cream; alpine regions, 12,000 ft.	33/3393
23272	22733	Potentilla 2-3 ft.; fl. yellow; alpine regions, 12,000 ft.	33/3394

Rock Seed Collections

Mt. Puchman, Contd.

Coll. Numbers

Sp. Fl.

			36.
			<u>22272</u>
			<u>U.S.G.</u>
			<u>Number</u>
22273	22728	Salvia Fl. purplish pink; alpine meadows, 13,000 ft.	33/6211
22274	22731	Diplazene Plant 2-3 inches-1/2 ft.; fl. white; on cliffs and crags	33/6212
22275	22729	Rubus 4-6 ft.; fl. white; outskirts of forests, 11,500 ft.	33/5697
22276	22728	Pedicularis Fl. purple; alpine meadows, 12,500 ft.	33/5346
22279	22719	Deutzia Shrub 4-6 ft.; fl. white to pinkish; in forest 12,000 ft.	33/5156
22280	22717	Cresanthodium Fl. purple; on gravelly slopes, 13,000 ft.	33/6213 6214
22281	22724	Potentilla Fl. yellow; alpine regions on boulders and craggy cliffs, 14,500-15,000 ft.	33/5395
22282	22726	Cresanthodium Fl. yellow; alpine meadows, 12,500 ft.	33/6215
22284	22694	Magnolia Tree 30-40 ft. 50 ft.; fl. pink, later white; in spruce and fir forest, 12,000 ft.	33/5635
22285	22697	Meconopsis Fl. bluish purple and red; in scree, 13,500-14,500 ft.; same locality as 22288.	33/5277
22287	22696	Meconopsis Lvs. hark simple, spiny; fl. yellow; in scree, 13,500-14,500 ft., same lo- cality as 22288.	33/5278 5279

Rock Seed Collections
Mt. Fuchuan, Contd.

37.
13200

Cell. Numbers

U.S.S.R.
Number

83. Fl.

23288	22695	Meconopsis	Lvs. lobed; fl. blue; in crevices, 12,500-14,500 ft.	33/3280
23289		Taxus	Trees 30-40 ft.; Mountains of Fuchuan 9,500-10,000 ft.;	33/3286
23290			Composite; fl. ?; alpine meadows, 12,500 ft.	33/3216
23291		Taxus	Tree 50-60 ft.; 10,000 ft.	33/3287
23292		Gaussiaea	Fl. ?; alpine meadows, 12,500 ft.	33/3217
23293		Gaussiaea	Fl. purple, rosette; in alpine meadows, 12,000 ft.	33/3218
23294	22713	Rhododendron chatenianum	Shrub 6-8 ft.; fl. ?; alpine regions above fir forest, along cliffs and crags, 14,500'.	33/3248
23297	22716	Pterocarya	Tree 25-30 ft.; on west banks of Mekong, 9000 ft.	33/3219
23298	22722	Pedicularis	Fl. purple; alpine meadows, 12,000 ft.	33/3247
23299	22702	Sorbus	Tree 10-15 ft.; fl. red; alpine regions, 12,000 ft.	33/3236
23301	22724	Rhododendron (Hellelepis Series)		33/3216
2270				

Rock Seed Collections
Mt. Fuchuan, Szechuan.

33.
23303
U.S.S.R.
Number

Coll. Number	Fl.		
23303	22705	Rhododendron holiolepis Tree 10-15 ft.; sparse forest, alpine regions, 12,000 ft.	33/3317
23304	22706	Rhododendron chaetomallum Shrub 3-4 ft.; fl. ?; alpine regions, 12,000 ft.	33/3318
23305	22709	Rhododendron chaetomallum Shrub 4-5 ft.; fl. ?; alpine regions, 12,500 ft.	33/3319
23306	22711	Rhododendron chaetomallum Shrub 4 ft.; fl. ?; alpine regions above fir forest, along cliffs and crags, 14,500'.	33/3320

Fai-ma shan, eastern slopes Yangtze-Szechuan Divide.			
23307	22708	Rhododendron schinopopulum Tree 12-15 ft.; fl. pink; alpine regions and fir forests, 12,500 ft.	33/3321
23308	22801	Rhododendron Bessiana Tree 15-20 ft.; fl. pink?; alpine regions, 12,500 ft.	33/3326
23309	22706	Caragana Shrub 1-2 ft.; fl. pink; on scree slopes 16,000 ft.	33/3326
23310	22803	Rhododendron ranceolissimum Shrub 1-1 1/2 ft.; fl. blue; dry slopes in company with 23309, 14,500 ft.	33/3323
23311	22804	Caltha Fl. yellow; on scree slopes, 14,500 ft.	33/3378
23312		Diapensia purpurea Diels	33/3427
23313	22802	Caragana Spreading, prostrate shrub; fl. rose pink, gravelly slopes, 14,500 ft.	33/3327

Rock Seed Collections
Mt. Pal-ni-shan, Contd.

Coll. Numbers

Col. Fl.

			39. 23314
			U.C.S.C. <u>Number</u>
23314	22907	Rhododendron Wardii Tree 10-16 ft.; fl. yellow; in fir forest, 12,500 ft.	33/5824
23315	22908	Primula pulchella Franch. Fl. blue; among gravel and rocks, 13,500 ft.	33/5828
23316	22909	Rhododendron scintillans Shrub 2 ft.; fl. dark, purplish red; dry alpine gravelly slopes, 14,500 ft.	33/5825
23317	22910	Rhododendron pycnocladum Shrub 1-2 ft.; fl. dark blue; dry alpine slopes, 14,500 ft.	33/5826
23318	22949	Rhododendron schisoneplum Shrub 8-10 ft.; fl. white, spotted purple; in fir forest, 13,000 ft.	33/5827
23319	22911	Rhododendron levi-stratum Tree 8-15 ft.; fl. white; dry alpine slopes, 14,500 ft.	33/5823
23320	22912	Astragalus Fl. blue; in scree, alpine, 14,500 ft.	33/6315
23321		Rhododendron agglutinatum	33/5829
23322	22922 22913	Rhododendron cephalanthum Shrub 2 ft.; fl. white, fragrant; alpine regions, 14,000 ft.	33/5830
23323	22917	Thylacopernum Cushion plant; fl. white; on boulders 15,500-16,000 ft.	33/6313
23324	22918	Rhododendron agglutinatum Tree 10-15 ft.; fl. white; alpine regions, 13,500 ft.	33/5831
23325		Rhododendron adenogynum	33/5832

Rock Seed Collections
Pei-ma shan, Contd.

40.
23326

<u>Coll. Numbers</u>			<u>U.S.S.R.</u>
<u>Sl.</u>	<u>Fl.</u>		<u>Number</u>
23326	23320	<i>Rhododendron Fargesii</i> Shrub 4-5 ft.; fl. lge white; in fir forest, 13,000 ft.	33/5335 5334
23327	23321	<i>Paeonia lutea</i> Shrub 3 ft.; fl. lge. white; in fir forest, 13,000 ft.	33/5336
23328	23322	<i>Rhododendron aganniphum</i> Shrub 4 ft.; fl. rose pink; in fir forest, 13,000 ft.	33/5335
23329	23327	<i>Astragalus</i> Fl. pale lemon yellow; on scree slopes, 15,000 ft.	33/5329
23330	23323	<i>Rhododendron coccineum</i> Shrub 1-2 ft.; fl. bluish purple, calyx carmine; alpine regions, 14,500 ft.	33/5336
23331		<i>Rhododendron aganniphum</i> aff.	33/5337
23332	23325	<i>Rhododendron pleistanthum</i> 6-10 ft.; fl. blue smoke color; in spruce forest, 12,000 ft.	33/5338
23333		<i>Rhododendron aganniphum</i> aff.	33/5339
<hr/>			
Collected on Ho-ting shan, east of Atuntze.			
23334	23328	<i>Meconopsis</i> Fl. yellow; gravelly alpine meadows, 12,500 ft.	33/5321
23335	23330	<i>Primula dryadifolia</i> Franch. Fl. red; on boulders, 15,500 ft.	33/5429

Rock Seed Collections

Mo-ting shan, Contd.

Coll. Numbers

No. Fl.

U.C.S.G.

Number

23336	22831	<i>Thermopsis</i> Plant prostrate; fl. yellow; in scree at 15,500 ft.	33/5221
23337	22832	<i>Pedicularis</i> Fl. pink; alpine meadows, 13,500 ft.	33/5248
23338	22833	<i>Rhododendron schisopopulus</i> Tree 10-15 ft.; fl. pink; alpine region, in fir forest, 13,000 ft.	33/5240 5241
23339	22835	<i>Berberis</i> Fl. yellow; shrub 3 ft.; alpine meadows, 12,000 ft.	33/5366
23340	22836	<i>Berberis</i> 4-5 ft.; fl. yellow; alpine meadows, 13,000 ft.	33/5367
23341	22837	<i>Primula lichiangensis</i> Forrest Fl. purple to wine color; in shade spruce forest, 12,000 ft.	33/5430
23342	22839	<i>Antor</i> Fl. blue; alpine meadows, 14,500 ft.	33/5354
23343	22840	<i>Pedicularis</i> Fl. purplish red; alpine meadows, 14,500 ft.	33/5349
23344	22842	<i>Sedum</i> Fl. yellow; alpine regions, cliffs and crags, 15,000 ft.	33/6222
23345	22843	<i>Hycoyanus</i> Fl. pale blue; at Atuntze, 11,500 ft.	33/6223
23346	22844	<i>Caragana</i> Fl. yellow; alpine regions among boulders, 15,000 ft.	33/5088

Rock Seed Collections
Ho-ting shan, Contd.

48.
23347

Coll. numbers
Ac. Fl.

U.C.S.C.
Number

23347		<i>Primula sikkimensis</i> Hook. Fl. ?; alpine regions 12,500 ft.	
23348	22945	<i>Primula secundiflora</i> Franch. probably Fl. purplish red; alpine meadows, 14,000 ft.	33/5433
23349	22946	<i>Primula calliantha</i> Franch. forma Fl. bluish purple; meadows, 14,000 ft.	33/5434
23350	22947	<i>Rhododendron levisstratum</i> Shrub 8-10 ft.; fl. white; in fir forest, 12,000 ft.	33/5842
23351	23351	<i>Phloxis</i> Alpine meadows, 12,000 ft.	33/5374
23352	23352	<i>Prunus</i> Shrub 6-10 ft.; fl. ?; alpine regions of Ho-ting shan, 13,000 ft.	33/5573
23353	23353	<i>Corydalis</i> Fl. yellow; alpine regions of Ho-ting shan, 13,000 ft.	33/5112
23354	23354	<i>Potentilla</i> Fl. yellow; alpine regions, 13,000 ft.	33/5196
23355	23355	<i>Rosa</i> Shrub 3-4 ft.; alpine regions, 13,000 ft.	33/5594
23356	23356	<i>Corydalis</i> On scree, 14,500 ft.	33/5113
23357	23357	<i>Gremanthodium</i> Fl. yellow; along water courses, 13,000 ft.	33/6224
23358	23358	<i>Wu?</i> ; <i>Senecio</i> Fl. ?; among rocks, 14,000 ft.	33/6225

Book Seed Collections
Ho-tung Shan. Contd.

43.

23359

Coll. Numbers

S. S. S. S.

No. Fl.

Number

23359	22913	Caragana	3-3 in.; fl. red; in scree, alpine, 14,500'	33/3033
23360	22906	Rhododendron sulcatum	Small shrub, 2 ft.; fl. yellow; alpine regions, 14,000 ft.	33/3043 3344
23361	22361	Hex Iris	Fl. blue; alpine meadows, 12,500-13,000 ft.	33/3197 3198
23362	22754	Sorbus	Tree 10-15 ft.; fl. white; in spruce forest, 12,500 ft.	33/3637
23363	22756	Phlox	Fl. bluish purple, flat rosettes; alpine meadows, 12,500 ft.	33/3213
23364	22758	Lagotis	Fl. bluish-white; wet, gravelly alpine region, 14,500-15,000 ft.	33/3226
23365	22759	Isopyrum	Fl. pale lavender; on crags and cliffs, 14,500-25,000 ft.	33/3227
23366		Rhododendron-tibeticum		
23367	22761	Claymbrum	Fl. yellow; alpine meadows, 12,000 ft.	33/3228
23368	22763	Lonicera	Lonicera. Fl. yellow; shrub 2-3 ft.; alpine regions, 14,500 ft.	33/3231
23369	22767	Rhododendron levi-stratum	6-10 ft.; fl. white; alpine regions in spruce forest, 12,500 ft.	33/3245
23371	22769	Rhododendron aganiphum	Tree 10-15 ft.; fl. pink; rocky alpine regions, 14,500 ft.	33/3246

High Seed Collections
Mo-ting shan, Contd.

44.
23372
U.S.S.R.
Number

Coll. Numbers

56. Fl.

23372	23770	<i>Primula lept</i> Half. f. et Forrest probably fl. ultramarine blue; alpine meadows, 16,500 ft.	33/5435
23373	23772	<i>Geranium</i> fl. yellow; prostrate over rocks, 13,500 ft.	33/5090
23374	23774	<i>Iris</i> fl. bluish purple; in meadows, 11,500 ft.	33/5199
23375	23775	<i>Sedum</i> fl. red; on rocks and boulders, 14,500'.	33/6229
23376	23776	<i>Primula ingens</i> W.W.Sm. et Forrest fl. bluish purple; alpine meadows.	33/5436
23377	23777	<i>Cotoneaster</i> Spreading shrub; fl. red; over rocks and boulders, 14,000 ft.	33/5120
23378	23778	<i>Androsace</i> Grassy slopes, 12,500 ft. (<i>Primula</i> ?)	33/5032
23379	23779	<i>Galtha</i> fl. yellow; swampy meadows, 13,500 ft.	33/5079
23380	23782	<i>Malus</i> Tree 20 ft.; fl. white; in forests, 12,500 ft.	33/5260
23381	23783	<i>Prunus</i> Tree 20-40 ft.; trunk 3-4 ft. diam.; fl. pink; in forests, 12,000 ft.	33/6530
23382	23784	<i>Acer</i> Tree 10-15 ft., 20 ft.; fl. ?; in forests 12,000 ft.	33/5000
23383	23785	<i>Incarvillea</i> fl. reddish-purple; leaves deeply pinnate; gravelly slopes, 13,500 ft.	33/5190

Rock Seed Collections

Ho-ting shan, Contd.

23384

Coll. Numbers

U.S.S.R.

No. Fl.

Number

23384		<i>Frimula sinoplantaginea</i> Balf. f.	33/5437
23385	22787	<i>Frimula gemmifera</i> Catal. subsp. <i>zambalensis</i> Potita. Fl. blue; wet alpine meadows, 14,000 ft.	
23386	22788	<i>Frimula ruscicola</i> Balf. f. et Forrest probably Fl. purplish-blue; alpine meadow, 14,000 ft.	33/5439
23388	22791	<i>Frimula sinoplantaginea</i> Balf. f. probably Fl. pale blue; alpine meadow, 14,000 ft.	33/5440
23389	22792	<i>Frimula ingens</i> W.W.Sm. et Forrest Fl. bluish purple; alpine meadow, 14,000 ft.	33/5441
23390	22793	<i>Sorbus</i> Shrub or tree, 10-20 ft.; in mixed forests, 12000 ft.	33/5438
23391	22794	<i>Salix</i> Shrub 6-8 ft.; in mixed forests, 11,000 ft.	33/5618
23392	22795	<i>Anemone</i> 2 inches; fl. white; in scree slopes, 15,000 ft.	33/5044
23393	22797	<i>Potentilla</i> Fl. yellow; in alpine meadows, 14,000 ft.	33/5297
23394	22798	<i>Rhododendron levi-stratum</i> Tree 12-15 ft.; fl. white; alpine regions in fir forests, 12,500 ft.	33/5847
23395	22807	<i>Meconopsis</i> Fl. yellow; alpine meadows, 14,000 ft.	33/5283
23396	22802	<i>Hydrocotyle Hookeri</i> var. Woolly cushion plant; fl. sky blue; 15,500-16,000 ft.	33/5313
23397	22803	<i>Saussurea</i> Fl. purple; on alpine scree; 15,500- 16,000 ft.	33/5618

Rock Seed Collections
Mo-ting shan, contd.

46.
23228
U.S.S.R.
Number

Coll. Numbers

Ed. Fl.

23388	22902	Rhododendron malinco Shrub 2-3 ft.; fl. yellow; alpine regions, 13,500 ft.	33/5849
23389	22881	Meconopsis Fl. steel blue; on scree and among rocks, 14,500 ft.	33/5854
23400	22901	Rhododendron cephalanthum Shrub 2-3 ft.; 8 ft.; fl. white; alpine regions, 13,500 ft.	33/5850
23401		Rhododendron aganniphum aff. Shrub 4-8 ft.; fl. purplish-pink; alpine regions, 13,000 ft.	33/5851
23402	22898	Hieracium fl. purple; on scree, 13,000 ft.	33/5839
23403	22873	Saxifrag.? Fl. purple to red; among rocks, 15,000 ft.; same locality as 22871.	33/5831
23404	22900	Larix Tree 30-40 ft.; alpine regions 15,000 ft.	33/5821
23405	22896	Rhododendron aganniphum var. adenophyllum Shrub 4-8 ft.; fl. white; alpine regions 12,000 ft.	33/5852
23406	22895	Rhododendron dryophyllum Shrub 3-4 ft.; fl. ?; alpine regions, 13,500 ft.	33/5853 5954
23408	22897	Rhododendron caloxanthum	33/5855
23409	22894	Meconopsis Fl. purple; on boulders and scree, 15,000 ft.	33/5856
23410	22880	Meconopsis Fl. purplish blue; on scree and among rocks, 14,500 ft.	33/5886

Rock Seed Collections
Ho-ting-shan, Contd.

47.
23411
U.C.S.C.
Number

Coll. Numbers
SI. Fl.

23411	23075	Pedicularis	Fl. purple; alpine meadows, 14,500 ft.	33/5350
23412	23121		Fl. lavender, red; 4-6 ft. tall; alpine meadows, 12,500 ft.	33/5246
23413	23109	Heliosma	Fl. cream; oak and pine forest, 10,000 ft.	33/5310
23414	23102	Aster	Fl. pale purple; alpine meadows, 14,000 ft.	33/5085
23415	23129	Gaxifraga	Fl. white; alpine swampy meadows, 15,000 ft.	33/5281
23416	23096	Meconopsis	Fl. pale blue; leaves-stemmed on scree, limestone, 12,000 ft.	33/5287
23417	23118	Lactuca	Fl. purple; in alpine meadows, 12,500 ft.	33/5232
23418	23119	Geranium	Fl. pink; in alpine meadows, 12,500 ft.	33/5178
23419	23110	Gremanthodium	Fl. lavender red; on alpine scree, 14,500 ft.	33/5033
23420	23112	Senecio	Fl. orange; on alpine boulders and rocky slopes, 15,000 ft.	33/5233
23421	23101	Delphinium	Fl. blue; alpine meadows, 14,000 ft.	33/5143

Rock Seed Collections
Ho-ting shan, Contd.

48
23422

Coll. numbers			U.S.S.R.
<u>Sd.</u>	<u>Fl.</u>		<u>Number</u>
23422	23094	Aster Fl. purple; alpine meadows, 14,000 ft.	33/6234
23423	23092	Silene Fl. purple and green; on cliffs, 14,000 ft.	33/6226
23424	23132	Anemone ? Fl. yellowish-red; on scree, 15,000 ft.	33/6235
23425	23072	Aconitum Fl. blue; alpine scree, 13,000 ft.	5019/33
23426	23091	Pedicularis Fl. purple; alpine meadows, 13,500 ft.	33/5351
23428	23123	Potentilla Fl. yellow; alpine meadows, 12,500 ft.	33/6236 6237
23429	23111	Potentilla Fl. yellow; on alpine boulders, 14,500 ft.	33/5598
23430	23098	Meconopsis Fl. pale blue; leaves sinuate; on scree, 14,500 ft.	33/5288
23431	23117	Aster Fl. purple; alpine meadows, 13,000 ft.	33/5056
23432	23100	Meconopsis Fl. yellow; alpine meadows, 14,000 ft.	33/5289
23433	23122	Satura Fl. lavender purple; alpine meadows, 12,500 ft.	33/6230

Rock Seed Collections
 Ho-tung Shan, Contd.

49.
 23434

Cell. Numbers			U.S.N.C. Number
No.	Fl.		
23434	23108	<i>Polygonum Forrestii</i> Diels Fl. white; on alpine scree, 15,000 ft.	33/5239
23435	23116	<i>Pedicularis</i> Fl. rose-lavender; alpine meadows, 13,000 ft.	33/5252
23436	23115	<i>Pedicularis</i> Fl. purple; alpine meadows, 16,000 ft.	33/5253
23437	23128	<i>Gromanthodium</i> Fl. yellow; on scree, 15,000 ft.	33/5134
23438	23099	<i>Arenaria</i> Fl. white; on scree; gravelly talus slopes, 15,000 ft.	33/5240
23439	23126	<i>Pedicularis</i> Fl. purple; alpine meadows, 12,500 ft.	33/5254
23440	23125	<i>Meconopsis</i> Fl. purplish red; alpine meadows, 12,500 ft.	33/5220
23441	23131	<i>Labiata</i> Fl. purplish red; on scree, 13,000 ft.	33/5214
23442	23095	<i>Godonopsis</i> Fl. lavender-blue, pale; alpine meadows, 14,000 ft.	33/5109
23443	23127	<i>Godonopsis</i> Fl. pale blue, bad odor; alpine meadows, 12,500 ft.	33/5110
23444	23090	<i>Delphinium</i> Fl. pale lavender; alpine meadows, 13,500 ft.	33/5144
23445	23093	<i>Ascutum</i> Fl. bluish purple; at the feet of cliffs, 13,500 ft.	33/5020

<u>Rock Good Collections</u>			50.
Ho-ting shan, Deptd.			23448
Coll. Numbers			U.C.S.C.
<u>No.</u>	<u>Fls.</u>		<u>Number</u>
23446	23066	Potentilla Fl. yellow; on boulders, 14,000 ft.	33/5080
23447	23063	Lactuca Fl. purple; alpine meadows, 12,500-13,000'	33/5041
23448	23069	Leontopodium Alpine meadow, 12,500 ft.	33/5023
23449	23068	Aster Fl. purple; alpine meadows, 12,500 ft.	33/5037
23450	23074	Hedysarum Fl. pale yellow; alpine scree, 12,000 ft.	33/5048
23451	23073	Aconitum Fl. dull blue; alpine scree, 13,000 ft.	33/5021
23452		Rhododendron leucianum Shrub or tree 10-12 ft.; west of Yeche, Mt. Kasher-to, alpine regions, 14,000 ft.	33/5036
23453	23085	Rhododendron fictolactum Shrub 6-8 ft.; in fir forest, 13,000 ft.	33/5037
23454	23087	Aconitum Fl. purple; alpine meadow, 12,500 ft.	33/5022
23455	23068	Gerecharia Fl. yellow; on rocks and boulders, 11,000'.	33/5332
23456	23059	Gerecharia Fl. yellow; on trees, epiphytic, in forests, 11,000 ft.	33/5333

Rock Seed Collections
Ho-tung Shan, contd.

52.
23468

U.S.S.R.
Number

Coll. Numbers
Ed. Fl.

23466	23065	Sorbus	Tree 20 ft.; alpine forests, 12,000 ft.	33/5639
23469	23061	Erigeron	Fl. white; in meadows, 11,000 ft.	33/5246
23470	23062	Anemone japonica	Fl. white, purplish tinge; in meadows, 11,000 ft.	33/5045
23471	23057	Lactuca	Fl. yellow; meadows at 11,000 ft.	33/5247
23472	23060	Cropis	Fl. yellow; in meadows, 11,000 ft.	33/5248
23473	23063	Acer	Trees 10-25 ft.; 40 ft.; in forests, 11,500 ft.	33/5006
23474	23064	Ulmus	Trees 20-25 ft.; in gulches on open slopes, 9500 ft.	33/5659
23475	23049	Lilium Willmottiae	Fl. orange red, spotted black; in pine forest, 10,000 ft.	33/5247
23476	23077	Tanacetum	Fl. yellow; in meadows, 12,500 ft. (There is some confusion of numbers on this one.)	33/5249
23477	23039	Rhododendron chasmanthum	Rhododendron Fl. lavender; in spruce forest, also pine forest, drier region, 10,000 ft.	33/3058
23478	23038	Holboellia	Climber; fl. white; in forests along Hokong.	33/5250

Rock Pool Collections
Ho-Ting shan, Cont'd.

53
23479

U. S. N. P.
Number

33/3631

Coll. Numbers
No. Pl.

- | | | | |
|-------|-------|--|---------|
| 23479 | 23035 | <i>Vaccinium</i>
<i>Gaultheria</i>
Shrub 4-6 ft.; fl. white
Shrub 1-1 1/2 ft.; fl. red; on boulders,
14,500 ft. | |
| 23480 | 23034 | <i>Rhododendron</i> <i>erinigerum</i>
Shrub 5-6 ft.; fl. white; fir forests,
13,000 ft. | 33/3630 |
| 23481 | 23033 | <i>Rhododendron</i>
Shrub 4 ft.; fl. rose colored; alpine
regions among rocks, 13,500 ft.
(Thomsonii Series) | 33/3630 |
| 23482 | 23032 | <i>Rhododendron</i> <i>Martinianum</i>
Shrub 3 ft.; fl. pink; alpine regions,
among rocks, 13,500 ft. | 33/3631 |
| 23483 | 23031 | <i>Rhododendron</i> <i>negretum</i>
Shrub 5-6 ft.; fl. yellow; alpine regions
among rocks, 13,500 ft. | 33/3632 |
| 23484 | | <i>Hibiscus</i>
Fl. yellow; on banks of Mekong at
Tee Chung 7,000 ft. | 33/3633 |
| 23485 | 23030 | <i>Rhododendron</i> <i>erinigerum</i>
Tree 10 ft.; fl. white and rose pink;
in fir forest, 13,500 ft. | 33/3633 |
| 23486 | | <i>Balnea</i>
In pine forests of Tee chung on the
Mekong, 7000 ft. | 33/3637 |
| 23487 | 23028 | <i>Rhododendron</i> <i>fulvoides</i>
Tree 30-35 ft.; fl. pink; in fir forest,
12,500 ft. | 33/3634 |
| 23488 | 23027 | <i>Rhododendron</i> <i>fulvoides</i>
Shrub 4-5 ft.; fl. pink; in fir forest,
12,500 ft. | 33/3635 |

Reek Seed Collections
Mo-ting shan, Contd.

54.

23499

U.C.D.G.
Number

<u>Coll. Numbers</u>			
<u>Sd.</u>	<u>Fl.</u>		
23489	23025	Rhododendron crinigerum Shrub 4-6 ft.; fl. white; in fir forest, 12,500 ft.	33/5866
23490	23024	Rhododendron crinigerum Shrub 4-6 ft.; fl. pink; in fir forest 12,500 ft.	33/5867
23491		Rhododendron timetum	33/5868
23492	23022	Rhododendron pagophilum Shrub 3-4 ft.; fl. pink; above fir forest, 13,000 ft.	33/5869
23493	23041	Primula obconica Hance forma Fl. pale purple; along lateral water courses on banks of Mekong, 7,800 ft.	33/5442
23494	23021	Rhododendron cecileum var. brachyandrum Shrub 4-8 ft.; fl. reddish-purple; above fir forest, 13,000 ft.	33/5870
23495	23020	Rhododendron floccigerum Shrub 3-4 ft.; fl. rich carmine; alpine regions 13,500 ft.	33/5871
23496	23019	Rhododendron coryphaeum Tree 20-25 ft.; fl. white; in fir forest, 12,500 ft.	33/5872
23497		Rhododendron fulvoides	33/5873
23498	23017	Rhododendron repens var. Prostrate; fl. deep red; alpine regions, 14,500 ft.	33/5874
23500	23015	Sorbus Tree 10-15 ft.; fl. pinkish; in forests, 11-12,000 ft.	33/5640

Rock Seed Collections
Mo-ting shan, Contd.

55.

23502

U.C.S.C.
Number

Coll. Numbers
Sd. Fl.

23502	23014	Berneuxia	Shrub several inches; fl. white; in forest shade, 11-12,000 ft.	33/6253
23503	22929	Siphonostegia	Fl. yellow; in oak forest, dry slopes, 10,500 ft.	33/6254
23504	23012	Doutzia	shrub 5 ft.; fl. white; spruce forest, 11,500 ft.	33/5157
23505	23011	Rhododendron falvum	Shrub 6 ft.; fl. white to pink; spruce forest, 11,500 ft.	33/5875
23506	23009	Rhododendron fleccigerum	Shrub 2-3 ft.; fl. red; alpine regions, 13,500 ft.	33/5876
23507	23008	Rhotinia	Tree 10-15 ft.; fl. white; along Mekong, 7,600 ft.	33/6255
23508	23007	Rhododendron fulvoides	Shrub 6-8 ft.; fl. white; alpine region, 14,000 ft.	33/5877
23509	23006	Rhododendron edocteum	Shrub 3-4 ft.; fl. yellow; alpine region, 14,000 ft.	33/5878
23510	23005	Rhododendron edocteum var. brachyandrum	Shrub 3-4 ft.; fl. purple; alpine region, 14,000 ft.	33/5879
23511	23004	Rhododendron edocteum	Shrub 3-4 ft.; fl. yellow; alpine region, 14,000 ft.	33/5880
23512	23003	Rhododendron edocteum var. brachyandrum	Shrub 3-4 ft.; fl. red; alpine region, 14,000 ft.	33/5881

Rock Seed Collections

Mo-ting shan, Contd.

56.

23513

Coll. Numbers

U.C.B.G.

Sd. Fl.Number

23514	23000	Rhododendron desquamatum Tree 15-20 ft.; fl. purple-lavender; in spruce forest, 11,500 ft.	33/5882
23515		Rhododendron (Solense-Thomsonii Series)	33/5883
23516	22998	Rhododendron electeum Shrub 3-4 ft.; fl. yellow; alpine regions, 13,500 ft.	33/5884
23517	22997	Rhododendron niphargum Shrub 6-8 ft.; lvs. white beneath; fl. rich pink; in spruce forest, 11,000 ft.	33/5885
23518	22996	Rhododendron Beesianum Shrub 8-10 ft.; fl. pink; in fir forest, 12,500 ft.	33/5886
23519	23042	Rosa Strong climber; fl. large, pale pink; along lateral water courses on banks of Mekong, 7,800 ft.	33/5895
23520	22911	Rhododendron coryphaeum Tree 25-30 ft.; fl. red; forest, 12,500 ft.	33/5887
23521	22915	Rhododendron Beesianum Tree 10-15 ft.; fl. red; fir forests, 12,500 ft.	33/5888
23522	22914	Vaccinium Fl. pink; among rocks, 12,000 ft.	33/5663
23523	22928	Lychnis Fl. pink; in oak forest, dry slopes, 10,000 ft.	33/5238
23524	22913	Rhododendron sanguineum Shrub 6-8 ft.; fl. carmine; alpine regions, 14,500 ft.	33/5889

Rock Seed Collections
Ho-ting shan, Contd.

57.

23525

Coll. Numbers

U.C.S.G.
Number

Sd.

Fl.

23525	22919	Primula	Fl. purple; on crags, 14,500 ft.	33/6256
23526	22918	Rhododendron	Shrub 5-6 ft.; alpine regions, 13,000 ft.	33/5890
23527	22917	Rhododendron Boesianum	6-8 ft.; fl. pink; fir forests, 12,500 ft.	33/5891
23528	22916	Rhododendron Boesianum	Tree 10-12 ft.; fl. white; fir forests, 12,500 ft.	33/5892
23529	22935	Rhododendron sanguineum	Shrub 2-3 ft.; fl. red; alpine regions, 13-13,500 ft.	33/5893
23530	22934	Rhododendron Boesianum		33/5894
23531	22933	Oxyria	Fl. yellow; alpine meadows, 13,000 ft.	33/6257
23532	22931	Gnaphalium	Fl. white; alpine meadows, 13,000 ft. (Antennaria)	33/5182
23533	22925		Fl. pale blue; in alpine water courses, 14,500 ft. (Crucifer.)	33/6258
23534	22924	Pedicularis	Fl. purple; alpine meadows, 13,000 ft.	33/5355
23535	22923	Acer	25-30 ft.; in mixed forests 11,000 ft.	33/5010

Rock seed collections
Ho-tung shan, Contd.

88.
23535

U.S.S.R.
Number

Coll. Numbers

Sl. Fl.

23536	22922	Caltha	Fl. yellow; along water courses in alpine regions, 13,000 ft.	33/5080
23537	22920	Lilium talianse Franch. --(L. wardii)	Fl. pink; on dry slopes in pine forest, 9,000 ft.	33/5040
23538	22946	Anemianthus	Fl. reddish, striped; open country, 10,000 ft.	33/5163
23539	22944	Sorbus	Shrub 9-3 ft.; fl. red; fir forest, 12,000'	33/5641
23540	22943	Rhododendron chryseum	Shrub 2 ft.; fl. yellow; grassy alpine uplands, 14,000 ft.	33/3895
23541	22941	Artemisia	Fl. yellow; grassy slopes, Mekong Valley, Tibetan border, 9,000 ft.	33/5051
23542	22940	Rhododendron protopidies	Shrub 2-3 ft.; fl. white; among boulders, alpine regions, 14,000 ft.	33/5886
23543	22939	Sorbus	Shrub to tree 6-15 ft.; fl. pink; in fir forest, 12,000 ft.	33/5642
23544	22938	Rhododendron-		
23545	22950	Rhododendron saldensense	Shrub 2-3 ft.; fl. deep purple; alpine regions, 14,000 ft.	33/3897
23546	22937	Rhododendron prostratum	Plant 1 ft.; fl. purplish red; alpine regions, 14,000 ft.	33/3898

Rock Seed Collections
Mo-ting shan, Contd.

59.
23547

Coll. Numbers			U.C.S.G.
<u>Sl.</u>	<u>Fl.</u>		<u>Number</u>
23547	22955	Sorbus Tree 10-15 ft.; fl. white; in fir forest, 12,000 ft.	23/5643
23548	22956	Rhododendron saluenense Fl. purple; scrub 2-3 ft.; alpine regions, 14,000 ft.	33/5699
23549	22953	Primula serratifolia Franch. Fl. yellow; in water course, alpine regions, 13,000 ft.	33/5448
23550	22959	Nyctelia Fl. blue; along brooks in forests, 10,000'.	33/5316
23551	22949	Anemone densa Fl. white; alpine meadow, 11,500 ft.	33/5046
23552	22948	Clematis Climber, fl. white; in fir forest, 12,000'.	33/5107
23553	22947	Rhododendron hypolepidotus aff.	33/5900
23554	22970	Cassiope Fl. white; alpine ridges under scrub Rhododendron, 14,500 ft.	33/5103 5104
23555	22969	Rhododendron fitchii Franch. Tree 15-25 ft.; fl. pink; above fir forest, 13,000 ft.	33/6159
23556	22968	Rhododendron saluenense Shrub 1-2 ft.; fl. purple; alpine regions, 13,500 ft.	33/5901
23557	22967	Primula amethystina Franch. Fl. deep bluish purple; alpine meadows, 13,000 ft.	33/5444
23558	22966	Primula calliantha Franch. Fl. purplish blue; alpine meadows, 13,000 ft.	33/5445

Peak Seed Collections
Ho-ting shan, Contd.

60.
23559
U. S. S. S. S.
Number
23/33/6316

<u>Cell.</u>	<u>Numbers</u>		
<u>Ed.</u>	<u>Fl.</u>		
23559		Rhododendron cephalanthum aff.	
23560	22962	Rhododendron campylogynum Shrub 1 ft.; fl. dark, purplish-red; alpine regions, 13,500 ft.	33/6317
23561	22961	Rhododendron piceilodermum Shrub 5-8 ft.; fl. white spotted purple; alpine regions, 13,500 ft.	33/5902
23562	22959	Rhododendron lodes Shrub 5 ft.; fl. white; in fir forest, 12,000 ft.	33/5903
23563	22960	Rhododendron sanguineum var. Shrub 2-3 ft.; fl. red; alpine regions, 14,000 ft.	33/5904
23564	22979	Rhododendron citriniflorum Shrub 2 ft.; fl. yellow; alpine regions, 14,000 ft.	33/5905
23565	22978	Croccharis Fl. yellow; epiphytic, on trees in forest, 11,000 ft.	33/5334
23566	22977	Lilium giganteum 6 ft. tall; fl. white; in gulch of forests, 11,000 ft.	33/5949 5250
23567	22976	Evonymus Shrub 6-7 ft.; fl. white; in fir forest, 11,500 ft.	33/5167
23568	22975	Enkianthus Shrub 8 ft.; fl. pink; in fir forest, 11,500 ft.	33/5164
23569	22974	Rhododendron helirolepis Shrub 6-8 ft.; in fir forest, 11,500 ft.	33/5906
23570	22973	Castanea mollissima Tree 40 ft.; at Tsochung, 7,600 ft.	33/6329

Rock Seed Collections
Mo-ting shan, Contd.

61.
23571

Coll. Numbers

U.C.B.C.
Number

Sd. Fl.

- | | | | |
|-------|-------|--|---------|
| 23571 | 22972 | <i>Primula serratifolia</i> Franch.
Fl. yellow; alpine meadows, 14,500 ft. | |
| 23572 | 22971 | <i>Omphalogramma Souliei</i> Franch.
Fl. deep indigo blue, large; alpine meadows, 14,500 ft. | 33/5563 |
| 23573 | 22988 | <i>Primula siamensis ^{gilgocsis}</i> Petitm.
Fl. purplish red; alpine on boulders, 14,500 ft. | 33/5447 |
| 23574 | 22987 | <i>Primula sikkimensis</i> Hook. forma
Fl. yellow; alpine meadows, <u>wet</u> , 12,500 ft. | 33/5448 |
| 23575 | 22986 | <i>Rhododendron lodes</i>
Shrub or small tree; 10 ft.; fl. white; alpine regions, 12,500 ft. | 33/5907 |
| 23576 | 22985 | <i>Nomocharis</i>
Fl. lavender-pink; alpine regions, 12,500'. | 33/5319 |
| 23577 | 22989 | <i>Fraxinus</i>
Tree 20-30 ft.; fl. white; along Mekong, 22 west banks, 9,000 ft. | 33/5173 |
| 23578 | 22984 | <i>Rhododendron sanguineum</i> var.
Shrub 1-2 ft.; fl. reddish purple; alpine regions, 12,500 ft. | 33/5908 |
| 23579 | 22983 | <i>Rhododendron sanguineum</i> var.
Shrub 1-2-3-ft.; fl. red; alpine regions, 14,000 ft. | 33/5909 |
| 23580 | 22982 | <i>Rhododendron citriniflorum</i>
Shrub 2-3 ft.; fl. pink; alpine regions, 14,000 ft. | 33/5910 |
| 23581 | 22981 | <i>Rhododendron citriniflorum</i>
Shrub 3-4 ft.; fl. yellow; alpine regions, 14,000 ft. | 33/5911 |

Rock Seed Collections
Mo-ting shan, contd.

Coll. Numbers

CC. Fl.

		62.
		<u>23598</u>
		U.S.S.R.
		<u>Number</u>
23582	22991 <i>Primula muscaria</i> Hemsl. Fl. dark blue; in alpine meadows, 12,000- 13,500 ft.	33/5449
23583	22995 <i>Delphinium</i> (<i>Aquilegia</i>) Fl. blue; alpine meadows 11,000 ft.	33/5146
23584	22993 <i>Anaryllis</i> Fl. dark reddish-purple; alpine meadows, 13,500 ft.	33/5026
23585	22910 <i>Primula calliantha</i> French. Fl. purplish blue; alpine meadow, 14,000 ft.	33/5459
23586	<i>Rhododendron fictolacteam</i>	33/5912
23587	22908A <i>Rhododendron coryphaea</i> 22908 reads: Tree 10-20-25 ft.; fl. yellow; in fir forest, 12,500 ft. Book shows no <u>22908A</u> .	33/5913
23588	23047 <i>Rhododendron fleckigerum</i> shrub 3-4 ft.; fl. scarlet; alpine regions, 13,500 ft.	33/5914
23589	<i>Rhododendron coriaceum</i>	33/5915
23590	23044 <i>Rhododendron desquamatum</i> Tree 10-15 ft.; fl. lavender-purple; in spruce forest, 12,000 ft.	33/5916
23591	23043 <i>Rhododendron lukiangense</i> Shrub 6-8 ft.; 10 ft.; fl. red; in spruce forest, 12,000 ft.	33/5917
23592	23040 <i>Rhododendron bullatum</i> shrub 6-8 ft.; fl. white; in spruce and fir forest, 12,500-13,000 ft.	33/5918

Rock Seed Collections

63

~~Swelling-stems, -wooled.~~ See bottom of page.23593

Coll. Numbers			U.C.S.G.
<u>No.</u>	<u>Fl.</u>		<u>Number</u>
23593	23194	Rhododendron tomentosum Shrub 2 ft.; fl. carmine; alpine regions, 13,300 ft.	33/3919
23594	23156	Pedicularis Fl. purple; alpine meadows, 13,000 ft.	33/3356
23595	23179	Corydalis Fl. blue; alpine meadows, 12,500 ft.	33/3115
23596	23233	Primula muscariaoides Hemsl. Fl. blue; alpine meadows, 13,000 ft.	33/3451
23597	23216	Meconopsis Fl. pale purple to lavender-blue; alpine rocky regions, 14,000 ft.	33/3292
23598	23147	Pedicularis Fl. purple; alpine meadows, 13,000 ft.	33/3357
23599	23175	Senecio Fl. yellow; alpine regions, 13,000 ft.	33/3259
23600	23241	Primula calliantha Franch. forma Fl. purple-blue; alpine meadows, 13,000 ft.	33/3482
23601	23217	Primula amethystina Franch. Fl. reddish-purple; alpine rocky regions, 14,000 ft.	33/3453
23602	23240	Primula calliantha Franch. Fl. purple; alpine meadows, 13,000 ft.	33/3454
23603	23157	Anemone Fl. red; alpine meadows, 13,000 ft. (Potentilla)	33/3047
23604	23176	Primula limbata Balf. f. et Franch. Fl. ? ; alpine meadows, 13,000 ft.	33/3455

///Locality: Mountains of Kaakperpo in S.E. Tibet, Tearong, west of
Dikeria and Yundshi.

Rock Seed Collections~~Yunnan~~, Contd.
Yunnan64
23605

Coll. Numbers			U.C.S.G.
<u>Sd.</u>	<u>Fl.</u>		<u>Number</u>
23605	23214	<i>Meconopsis</i> Fl. purple; alpine meadows, 13,000 ft.	33/5293
23606	23138	<i>Meconopsis</i> Fl. dark purple; alpine meadows, 14,000 ft.	33/5294
23607	23227	<i>Primula sikkimensis</i> Hook. forma Fl. yellow; alpine meadow, 13,000 ft.	33/5456
23608	23228	<i>Caltha</i> Fl. yellow; alpine meadow, 13,000 ft.	33/5081
23609	23202	<i>Salvia</i> Fl. purple; alpine meadows, 13,500- 14,000 ft.	33/5615
23610	23204	<i>Aquilegia</i> Alpine meadows, 11,000 ft.	33/5049
23611	23167	<i>Amaryllis</i> Fl. purplish red; alpine meadows, 13,500 ft. (<i>Fritillaria</i>)	33/5027
23612	23160	<i>Acer</i> Tree 15-35 ft.; fl. ?; in mixed forest, 11,500 ft.	33/5011
23613	23246	<i>Lilium taliense</i> Franch. (L. <i>Wardii</i>) Fl. pinkish; alpine meadows, 12,000 ft.	33/5251
23614	23187	<i>Viburnum</i> Shrub 5-6 ft.; fl. cream colored; in gulches at 11,000 ft.	33/5667
23615	23220	<i>Rhododendron mekongense</i> Shrub 2 ft.; fl. yellow; alpine, 14,000 ft.	33/5920
23616	23158	<i>Rosa</i> Fl. white; alpine meadows, 13,000 ft.	33/5596

Rock Seed Collections
~~So-tung-shan~~ Contd.
Yundehi Mountain, Contd.

65
23617

U. S. S. S. C.
Number

<u>Coll. Numbers</u>			
<u>Ed.</u>	<u>Fl.</u>		
23617	23140	Rhododendron glaphyrum Shrub 2-3 ft.; fl. red; alpine regions, 13,500 ft.	33/5921
23618	23207	Gephalegramma Souliei Franch. Fl. large, deep indigo; in snow alpine meadows, 14,000-15,000 ft.	33/5922 5564
23619	23142	Rhododendron Beesianum ?? Shrub 4 ft.; or less; fl. purple; alpine regions, 13,500 ft.	33/5922
23620	23219	Rhododendron saluenense Shrub 2-3 ft.; fl. lavender; alpine rocky regions, 14,000 ft.	33/5923
23621	23134	Rhododendron electeum var. brachyandrum Fl. pinkish red; shrub 3-5 ft.; alpine regions, 13,500 ft.	33/5924
23622	23191	Rhododendron haemalaux Shrub 4 ft.; fl. black carmine; alpine regions, 13,500 ft.	33/5925
23623	23242	Clematis Shrub 1-2 ft.; fl. white; along streams at 9,000 ft.	33/5108
23624	23209	Primula calliantha Franch Fl. large; dark purple; on rocks, 14,500 ft.	33/5457
23625	23137	Rhododendron Beesianum Shrub 5-10 ft.; fl. white; in fir forest, 13,000 ft.	35/5926
23626		Rhododendron (Selence-Thomsonii Series)	33/5927
23627		Rhododendron saluenense aff.	33/5928

Rock Seed Collections
Yund-shi, Contd.

66
23628

<u>Coll. Numbers</u>			<u>U.S.B.G.</u>
<u>Id.</u>	<u>Fl.</u>		<u>Number</u>
23628	23233	<i>Rhododendron haemialeum</i> Shrub 2 ft.; fl. blackish carmine; alpine regions, 14,000 ft.	33/5929
23629	23219	<i>Rhododendron tomentosum</i> Shrub 2-3 ft.; fl. rich carmine; alpine rocky regions, 14,000 ft.	33/5930
23630	23255	<i>Rhododendron eclecticum</i> var. <i>brachyandrum</i> Shrub 2-4-6 ft.; fl. red-purple; alpine regions, 14,000 ft.	33/5931
23631	23231	<i>Rhododendron haemialeum</i> Shrub 1-2 ft.; fl. dark carmine; alpine regions, 15,000 ft.	33/5932
23632	23193	<i>Rhododendron eclecticum</i> Tree 10-15 ft.; fl. cream colored; alpine region, 15,000 ft.	33/5933
23633	23231	<i>Rhododendron cephalanthoides</i> Shrub 2 ft.; fl. white; alpine regions, 14,000 ft.	32/5934
23634	23222	<i>Rhododendron saluenense</i> aff.	33/5935
23635	23193	<i>Rhododendron himertum</i> Shrub 3 ft.; fl. yellow; alpine regions, 13,500 ft.	33/5936
23636	23236	<i>Rhododendron roseotinctum</i> Shrub 3 ft.; fl. yellow-red; alpine regions, 14,000 ft.	33/5937
23637	23214	<i>Rhododendron sanguineum</i> 23638	33/5938
23638	23143	<i>Rhododendron citriniflorum</i> Shrub 2-3 ft.; fl. yellow; alpine regions, 15,500 ft.	33/5939
23639	23166	<i>Rhododendron haemialeum</i> Shrub 3-4 ft.; fl. dark carmine; alpine regions, 13,500 ft.	33/5940

Rock Seed Collections
Yund-shi, Contd.

67

23640

U.C.S.C.
Number

Coll. Numbers

Sl. Fl.

23640	23244	Rhododendron leucopetalum Shrub 2 ft.; fl. yellow; alpine regions, 13,500 ft.	33/5941
23641	23237	Rhododendron sanguineum Shrub 2-3 ft.; fl. carmine; alpine re- gions, 14,000 ft.	33/5942
23642	23224	Rhododendron haemaleum Shrub 2 ft.; fl. dark crimson; alpine regions, 14,000 ft.	33/5943
23643	23230	Rhododendron glaphyrum Shrub 2-3 ft.; fl. bright red; alpine regions, 14,000 ft.	33/5944
23644	23179	Sorbus Tree 10 ft.; fl. red; in fir forest, 12,000 ft.	33/5644
23645	23135	Rhododendron citriniflorum Shrub 2-3 ft.; fl. yellow; alpine regions, 13,500 ft.	33/5945
23646	23225	Rhododendron sanguineum var. Shrub 2 ft.; fl. red; alpine, 14,000 ft.	33/5946
23647	23232	Rhododendron chianidotum Shrub 2-3 ft.; fl. yellow; alpine regions, 14,000 ft.	33/5947
23648	23198	Rhododendron campylogynum Shrub 1-2 ft.; fl. carmine, glaucous outside; alpine regions, 14,000 ft.	33/5948
23649	23250	Rhododendron sanguineum Shrub 1-2 ft.; fl. yellow-red; alpine regions, 13,500 ft.	33/5949
23650	23234	Rhododendron sanguineum Shrub 2-3 ft.; fl. red; alpine regions, 14,000 ft.	33/5950

Rock Seed Collections

Yundshi, Contd.

68
23651

Coll. Numbers			
<u>Sd.</u>	<u>Fl.</u>		
23651	23229	Rhododendron flavorufum Shrub 4-5 ft.; fl. white; 14,000 ft.	33/5951
23652	23145	Rhododendron flavorufum Shrub 4 ft.; prostrate, spreading; alpine regions, 14,000 ft.	33/5952
23653		Rhododendron flavorufum	33/5953
23654	23151	Ilex Shrub 4-5-6 ft.; fl. white; lower slopes, in valleys, 10,000 ft.	33/6260
23655	23146	Caltha Fl. yellow; wet meadows, 13,000 ft.	33/5982
23656	23226	Potentilla Fl. yellow; alpine meadow, 12,500 ft.	33/5631
23657	23178	Sorbus Shrub 6-8 ft.; fl. white; in fir forest, 12,000 ft.	33/5645
23658	23247	Orchid Fl. pale yellow; along stream, 8,000 ft.	33/5328
23659	23161	Rosa Shrub 4-5 ft.; fl. red; open regions, 13,000 ft.	33/5314
23660	23200	Rhododendron adenophorum Shrub 3-4 ft.; fl. white, pinkish tinge; alpine regions, 13,000 ft.	33/5954
23661	23165	Rhododendron adenogynum Shrub 6 ft.; fl. white; alpine regions, 13,500 ft.	33/5955
23662	23152	Rhododendron Shrub 4 ft.; fl. white; alpine regions, 13,500 ft. (Roxleanum - Taliense Series)	33/5956

Rock Seed Collections
Yungshai, Contd.

69
23663

Coll. Numbers
Sl. Fl.

U.C.B.C.
Number

- | | | | |
|-------|-------|--|---------|
| 23663 | 23199 | Rhododendron tomenium
Shrub 2 ft.; fl. bright red; alpine
regions, 14,000 ft. | 33/5957 |
| 23664 | 23222 | Rhododendron sanguineum var.
Shrub 2-3 ft.; fl. carmine; alpine
14,000 ft. | 33/5958 |
| 23665 | 23190 | Potentilla
Shrub 3 ft.; fl. white; alpine regions,
13,500 ft. | 33/5400 |
| 23666 | | Rhododendron heliopsis | 33/5959 |
| 23667 | 23155 | Enkianthus
Shrub 5-6 ft.; fl. brick red; open
country, pine forest, 11,000 ft. | 33/5165 |
| 23668 | 23188 | Acer
Tree 25-30 ft.; in mixed forest,
12,000 ft. | 33/5012 |
| 23669 | | Rhododendron

(Sanguineum-Taliense Series) | 33/5960 |
| 23670 | 23213 | Nomocharis
Fl. white, speckled; alpine meadows,
12,500 ft. | 33/5320 |

S. W. Soochuan, east of the Yalung on Muli Kenka (an hitherto
unknown snow range) alpine regions, 14,000-15,000 ft. Muli-rong,
Territory of Suli.

- | | | | |
|-------|-------|---|---------|
| 24273 | 23709 | Didissandra
Fl. pale yellow; on boulders in forests,
11,500 ft. | 33/6261 |
| 24274 | | Ligularia
Alpine slopes, 11,000 ft. | 33/6262 |

Hook Seed Collections
Nuti Konka, Contd.

70/
24275

U.C.B.G.
Number

<u>Coll. Numbers</u>			
<u>Sd.</u>	<u>Fl.</u>		
24275	23697	Sorbus	33/5646
		Shrub 8-10 ft.; fl. red; in spruce forest, 12,000 ft.	
24276	23738	Berberis	33/5068
		Shrub 2-3 ft.; fl. yellow; in spruce forests, 11,500 ft.	
24277	23676	Primula sikkimensis Hook. forma	33/5459
		Fl. large yellow; in alpine, wet banks of lake, 14,000 ft.	
24278	23720	Rhododendron litangense	33/5961
		Shrub 1-2 ft.; fl. lavender-blue; in spruce forest, 11,000 ft.	
24279	23707	Pieris	33/5378
		Fl. white; shrub 4-5 ft.; alpine regions, 11,500 ft.	
24280	23699	Rhododendron sphaeroblastum	33/3968
		Shrub 4-5 ft.; fl. white; in spruce forest, 12,000 ft.	
24281	23739	Rhododendron Salfourianus var. agamiphoides	33/5963
		Shrub 3 ft.; spreading; fl. pink; alpine regions, 14,000 ft.	
24282	23713	Rhododendron acralium	33/5964
		Shrub 2 ft.; fl. white; in alpine regions, 13,000 ft.	
24283	23701	Rhododendron doxanatum	33/5965
		Shrub 6-10 ft.; fl. lavender; forests of spruce, 12,000 ft.	
24284	23706	Rhododendron phaeochrysum	33/5966
		Shrub 4-8 ft.; fl. white; alpine regions, 11,000 ft.	
24285	23737	Rhododendron cephalanthoides	33/5967
		Shrub 2-3 ft.; fl. white; in spruce forests, 11,500 ft.	

Rock Seed Collections
Hati Konka, Cont'd.

71
24286

U.S.B.G.
Number

<u>Coll. Numbers</u>			
<u>Sl.</u>	<u>Fl.</u>		
24286	23703	<i>Primula Prattii</i> Hemsl. Fl. lemon yellow; alpine meadows, 12,000'	33/5460
24287	23719	Orchid Fl. pink; in shade of spruce forest, 11,500 ft.	33/5329
24288	23730	<i>Primula malvacea</i> Franch. Fl. white; on dry slopes in forest, 11,500 ft.	33/5461
24289	23731	<i>Primula pulchella</i> Franch. Fl. purplish blue; dry slopes in forest, 11,500 ft.	33/5462
24290	23724	Orchid Fl. orange red; in forests in moss, lower slopes, 10,000 ft.	33/5330
24291	23682	<i>Primula pulchella</i> Franch. Rare, fl. bluish purple; alpine regions, 12,500 ft.	33/5463
24292	23722	Rosa Shrub 3-4 ft.; fl. small pink; in spruce forest, 11,000 ft.	33/5315
24293	23681	<i>Primula bathangensis</i> Petitm. Rare; fl. like deep orange; alpine regions in mixed forest, 12,500 ft.	33/5464
24294	23733	Orchid Fl. deep purple; in spruce forest, 11,000'.	33/5331
24295	23725	<i>Rhododendron agglutinatum</i> Shrub 5-6 ft.; fl. white; in spruce forests, 11,500 ft.	33/5968
24296	23705	<i>Rhododendron lamproeplus</i> Shrub 2-3 ft.; fl. white; alpine regions, 14,000 ft.	33/5969

Reeck Seed Collections
Muti Konka, Contd.

72.
24297
U.C.B.C.
Numbers

Coll. Numbers			
<u>Sl.</u>	<u>Fl.</u>		
24297	23696	<i>Primula lichiangensis</i> Forrest Fl. pale blue, purplish tinge; in spruce forest, 12,000 ft.	33/5465
24298	23725	<i>Vitex</i> 6-7 ft.; fl. white; near banks of Yalung, foot of Muti Konka, 7,000 ft.	33/6263
24299		<i>Rhododendron coccinocephalum</i>	33/5970
24300	23674	<i>Androsace</i> In gravel in alpine meadow, 12,000 ft.	33/5033
24301	23675	<i>Primula sikkimensis</i> Hook. forma Fl. yellow; in alpine meadows (wet), 14,000 ft.	33/5466
24302	23704	<i>Rhododendron agglutinatum</i> Shrub 3-4 ft.; fl. white; alpine regions, 13,000 ft.	33/5971
24303	23721	<i>Iris</i> Fl. deep blue; in alpine meadows, 14,000 ft.	33/5200
24304		<i>Rhododendron cephalanthoides</i> aff.	33/5972
24305	23711	<i>Meconopsis</i> Fl. deep blue-purple; in alpine gravel, 14,500 ft.	33/5295
24306	23710	<i>Rhododendron agglutinatum</i> Shrub 2-3 ft.; fl. white; in forests at 12,000 ft.	33/5973
24307	23700	<i>Rhododendron Beesianum</i> Small tree, 10 ft.; fl. pink; in forests of spruce, 12,000 ft.	33/5974
24308	23741	<i>Cotoneaster</i> Shrub 5 ft.; fl. pink; open places, 11,000'.	33/5121

Rock Seed Collections
Miti Konka, Contd.

73.
24309

Coll. Numbers

U.C.S.C.
Number

24309	23714	Rhododendron aechmaophyllum Fl. pink; in pine forest at 11,000 ft.	33/5975
24310	23694	Rhododendron sphaeroblastum Tree 6-8 ft.; fl. white; prostrate, spreading alpine regions in forests, 13,000 ft.	33/5976
24311	23693	Rhododendron sphaeroblastum Shrub 3-5 ft.; fl. white; alpine regions in forests, 13,000 ft.	33/5977
24312	23778	Primula Paxtii Hemsl. Fl. yellow; dry clay slopes, back of Wanto Comba, 13,000 ft.	33/5467
24313	23692	Primula septemloba French. Fl. wine colored; alpine regions in forests, 13,000 ft.	33/5468
24314	23691	Rhododendron sigillatum Shrub 4-6 ft.; fl. white; alpine regions in forests of fir, 13,000 ft.	33/5978
24315	23715	Aster Fl. purple-blue; in meadows, 10,000 ft.	33/5058
24316	23679	Lilium hyacinthinum Fl. purple-lavender; among scrub, 12,500 ft.	33/5252
24317	23736	Rhododendron phaeochrysum Shrub 8-10 ft.; fl. white; in spruce forests, 11,500 ft.	33/5979
24318	23688	Iris Fl. yellow, spotted purple; alpine mea- dows, 14,000 ft.	33/5201
24319	23712	Rhododendron diacritum Fl. purplish-blue; leave minute; in alpine regions, 14,500 ft.	33/5980
24320	23734	Rhododendron spilanthum Shrub 2-3 ft.; fl. blue-purplish; in spruce forests, 11,500 ft.	33/5981

Rock Seed Collections
Mutl Konka, Contd.

74
24321

Coll. Numbers
No. Fl.

U.C.S.G.
Number

- 24321 23732 *Rhododendron radinum* 33/5982
Shrub 1-2 ft., forming globose bushes;
fl. pale pink; in dry pine forest, 10,500 ft.
- 24322 23698 *Rhododendron* 33/5983
Shrub 3-6 ft.; fl. white; spruce forest,
12,000 ft.
(Solense-Thomsonii Series)
- 24323 *Ilex* 33/6264
3-4 ft.; half slopes of Mutl Konka,
11,000 ft.

Small Territory at Dzampe Sheren west of Wuato Gomba,
13,000-14,000 ft.

- 24324 23761 *Iris* 33/5202
Fl. deep bluish purplish blue; alpine
meadows, wet, 13,500 ft.
- 24325 *Rhododendron sphaeroblastum* 33/5984
Tree 5-6 ft.; fl. ?; mountains of Dzampe
Sheren, 12,500 ft.
- 24326 23764 *Primula rapicollis* Half. f. et Forrest 33/5469
Fl. blue; alpine meadows, 13,000 ft.
- 24327 23753 *Primula maliensis* Hand.-Mzt. 33/5470
Fl. pink-lavender; in fir forest, 13,000 ft.
- 24328 23762 *Caragana* 33/5091
Fl. yellow-pinkish tinge; shrub 2 ft.;
alpine regions among rocks, 14,500 ft.
- 24329 23763 *Pedicularis* 33/5358
Fl. purple; alpine meadows, 14,000 ft.
- 24330 23754 *Grossanthodium* 33/6265
Fl. yellow; alpine meadows, 13,000 ft.

Rock Seed Collections
Dzampe Sheran, Contd.

<u>Coll. Numbers</u>			75. <u>24331</u>
<u>Ed.</u>	<u>Fl.</u>		<u>U.C.B.G.</u> <u>Number</u>
24331	23768	Iris Fl. pale blue; meadows, 11,000-12,000 ft.	33/5203
24332	23769	Veronica Fl. purple; in pine forests, grassy slopes, 11,000 ft.	33/6266
24333	23768	Pedicularis Fl. purple; on grassy slopes, 11,000 ft.	33/5359
24334		Primula sp. cf. szechuanica	33/5471
24335	23771	Iris Fl. dark purple; in alpine meadows, 13,000'	33/5204
24336	23772	Rhododendron telmateium Shrub 2 ft.; fl. purplish blue; alpine regions, 14,500 ft.	33/5985
24337		Hydrangea Shrub 5-6 ft.-10 ft.; 10,000 ft.	33/5186
24338	23760	Thiraea laevigata Shrub; fl. whitish pink; in alpine meadows, 13,000 ft.	33/5228
24339	23752	Rhododendron proceum Shrub 5-6 ft.; fl. white; forests, 11,000-12,500 ft.	33/5986
24340		Primula yargongensis Petitm. Fl. ?; alpine meadows, 12,500 ft.	33/5472
24341	23769	Primula pulchella Franch. Fl. blue; in pine and oak forest, open grassy slopes, 12,000 ft.	33/5473
24342	23743	Amaryllis	33/5028

Rock Seed Collections
Dzampe Sheren, Contd.

76
24343

Coll. Numbers
Ed. Fl.

U.C.B.G.
Number

24343	23744	Rhododendron sphaeroblastum Shrub 5-6 ft.; fl. white; among rocky slopes.	33/5987
24344	23749	Parnassia Fl. white; grassy slopes, along water courses, 13,000 ft.	33/5340
24345	23774	Meconopsis Fl. purple; on rocky scree, 15,000 ft.	33/5296
24346	23747	Rheum Alexandras In wet alpine regions, 14,000 ft.	33/5581
24347	23745	Nardostachys Fl. purple; grassy slopes, 11,000 ft.	33/6267
24348	23750	Primula sikkimensis Hook. Alpine form Fl. yellow; wet alpine meadows, 12,500 ft.	33/5474
24349	23767	Syringa ³³ Shrub 3-5 ft. - 8 ft.; fl. pink, fragrant; in spruce forests, 12,000 ft.	33/6326
24350		Rhododendron Clementinae Shrub 6 ft.; fl. white; 12,500 ft.	33/6322
24351		Triosteum Fl. ?; fruits red; fir forests, 12,500 ft.	33/6268

South of Dzampe Shore in Sagi Valley

24352		Primula secundiflora - probably	33/5475
24353	23780	Salvia Fl. yellow; meadows, 13,000 ft.	33/5616
24354	23787	Astragalus Fl. purplish blue; alpine meadows, 13,000 ft.	33/6269

Rock Seed Collections
Sagi Valley, Contd.

77.
24355
U.C.B.C.
Number

Coll. Numbers			
<u>Sd.</u>	<u>Fl.</u>		
24355	23796	Iris	Fl. dark purple blue; alpine meadows, 13,000 ft. 33/5205
24356	23788	Sedum	Fl. yellow; alpine meadows, 13,000 ft. 33/5270
24357	23789	Saussurea	Fl. purple; alpine meadows, 14,000 ft. 33/5271
24358	23804	Primula gemmifera Batal. subsp. zambalensis Petitm.	Fl. pale purple; in wet meadows, 14,500 ft. 33/5476
24359	23801	Rhododendron agglutinatum	Shrub 4-6 ft.; fl. white; in forest, 13,000 ft. 33/5988
24360	23802	Rhododendron croceum	Shrub 5 ft.; fl. yellow; in forest, 13,000 ft. 33/5989
24361	23790	Rhododendron telmateium	Shrub 1-2 ft.; fl. pale lavender blue; alpine region, 14,000 ft. 33/5990
24362	23799	Ajuga	Fl. pale lavender to white; in scree at 14,500 ft. 33/5215
24363	23806	Rhododendron agglutinatum	Shrub 4 ft.; fl. white; in spruce forest, 13,000 ft. 33/5991
24364	23794	Primula sikkimensis Hook. forma	Fl. yellow; in wet alpine meadows, 13,000' 33/5477
24365	23805	Rhododendron agglutinatum aff.	33/5992
24366	23803	Rhododendron agglutinatum	Shrub 2-3 ft.; fl. white; in forest, 13,000 ft. 33/5993

Rock Seed Collections
Sagi Valley, Contd.

78.
24367

Coll. Numbers
Sd. Fl.

U.C.B.C.
Number

24367	23791	Cotoneaster	Shrub 4-5 ft.; fl. pink; in open forests, 12,000 ft.	33/5122
24368	23785	Rhododendron croceum	Shrub 5-6 ft.; fl. yellow; in spruce forest, 13,000 ft.	33/6323
24369	23798	Rhododen Pedicularis		33/5369
24369	23784	Rhododendron litangense	Shrub 1-2 ft.; fl. blue; alpine regions, 12,500-13,000 ft.	33/5994
24370	23798	Pedicularis	Pedicularis Fl. purple; in spruce forest, 12,500 ft.	33/5360
24371	23797	Spenceria ramalana	Fl. yellow; meadows, 11,500 ft.	33/5649
24373		Saussurea	Fl. ?; alpine meadows of Sagi Valley, 10,000 ft.	33/6272
24374		Podophyllum	In fir forest, 12,500 ft.	33/5384
24375	23786	Iris	Fl. dark blue; alpine meadows, 13,000 ft.	33/5206
24376	23800	Rosa	Shrub 3-4 ft.; fl. red; in forest, 13,000'	33/5597

Mt. Siga, west and overlooking the Yalung River, north of Karadi, 14,000-15,000 ft.

24377	23870	Lilium lophophorum	Fl. yellow; alpine meadows, 12,000 ft.	33/5253
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Rock Seed Collections
Mt. Siga, Contd.

79.
24378

U.C.S.G.
Number

<u>Coll. Numbers</u>			
<u>Sl.</u>	<u>Fl.</u>		
24378	23860	<i>Primula yargongensis</i> Petita. Fl. pink to white; wet alpine meadows, 13,000 ft.	33/5478
24379	23816	<i>Sedum</i> Fl. ?; on cliffs and crags, 10,000 ft.	33/5273
24380	23815	Shaded- <i>Philadelphus</i> Shrub 4-5 ft.; forests, 11,000 ft.	33/5373
24381	23830	<i>Rhododendron Balfourianum</i> var. <i>aganniphoides</i> Shrub 6-8 ft.; fl. red; alpine regions, 14,000 ft. (For seed see packet marked 24380???)	33/5995
24382	23811	<i>Rhododendron Balfourianum</i> var. <i>aganniphoides</i> Shrub 5-6 ft.; fl. pink; alpine regions, 14,000 ft.	33/5996
24383	23831	<i>Rhododendron Balfourianum</i> var. <i>aganniphoides</i> Shrub 6-8 ft.; fl. red; alpine regions, 14,000 ft.	33/5997
24384	23834	<i>Rhododendron flavidum</i> Shrub 5-8 ft.; fl. pink; alpine meadows, 13,500 ft.	33/5998
24385	23839	<i>Rhododendron stictophyllum</i> Shrub 1-2 ft.; fl. blue; alpine regions, 13,000 ft.	33/5999
24386	23844	<i>Cotoneaster</i> Shrub 3-4 ft.; fl. pink; forested slope, 11,000 ft.	33/5123
24387	23875	<i>Primula Poissonii</i> Franch. subsp. <i>Wilsonii</i> Dunn. Fl. pink; alpine meadows 12,500 ft.	33/5479
24388	23867	<i>Primula malvacea</i> Franch. Fl. wine colored; spruce forest, 12,000 ft.	33/5480
24389	23878	<i>Cotoneaster</i> Spreading shrub; fl. pink; alpine regions, 12,500 ft., on rock and boulder.	33/5124

Rock Seed Collections
Mt. Siga, Contd.

80
24399
U.C.S.G.
Number

Coll. Numbers
Sd. Fl.

24399	23873	<i>Cypripedium luteum</i> Forest 11,500 ft.	33/5138
24399	23813	<i>Rosa</i> Shrub 6-8 ft.; fl. white; in forests, 11,000 ft.	33/5598
24399	23850	<i>Berberis</i> Shrub 1 ft.; fl. yellow; open scrub, 11,000'.	33/5069
24399	23868	<i>Melicope</i> Shrub 6-8 ft.; fl. cream colored; open glades, 11,000-12,000 ft.	33/5311
24399	23869	<i>Acanthopanax</i> Shrub 5-8 ft.; fl. white; open glades, 11,000-12,000 ft.	33/5274
24399		<i>Rhododendron agglutinatum</i> Shrub 5 ft.; fl. white?; 13,500 ft.	33/6000
24399	23872	<i>Primula pulchella</i> Franch. Fl. blue; alpine meadows, 12,000 ft.	33/5481
24399	23842	<i>Thermopsis</i> Fl. red; alpine meadows, 12,500 ft.	33/6275
24399	23863	<i>Pedicularis</i> Fl. purple; alpine meadows, 13,000 ft.	33/5361
24399	23833	<i>Primula pulchella</i> Franch. Fl. bluish purple; grassy slopes, 11,000 ft.	33/5482
24400	23877	<i>Pieris</i> Shrub 5 ft.; fl. white; alpine regions, 12,500 ft.	33/5379
24401	23825	<i>Primula secundiflora</i> Franch.	33/5484

Rock Seed Collections
Mt. Siga, Contd.

81
24402

Coll. Numbers
Sd. Fl.

U.C.S.G.
Numbers

24402	23846	Sedum	Fl. yellow; on cliffs and crags, 13,000 ft.	33/6275
24403	23809	Rhododendron sigillatum	Shrub 3-6 ft.; fl. white; alpine regions.	33/6001
24404	23851	Rhododendron timoteum	Shrub 4-6 ft.; fl. pink; forests, 13,000'.	33/6002
24405	23843	Ligustrum	Shrub 4-5 ft.; fl. white; forested slope, 11,000 ft.	33/5229
24406	23910	Rhododendron Balfourianum var. aganniphoides	Shrub 5-6 ft.; fl. pink; alpine regions, 14,000 ft.	33/6003
24407	23812	Cornus	Tree 10-15 ft.; fl. white; in forests, 11,000 ft.	33/5116
24408	23861	Primula Viali Franch.	Fl. blue; wet alpine meadows, 13,000 ft.	33/5422
24409	23864	Cyananthus	Fl. yellow; alpine meadows, 13,000 ft.	33/5083
24410	23818	Rhododendron agglutinatum	Shrub 8-10 ft.; fl. white; in spruce forest, 11,000 ft.	33/6004
24411	23855	Caragana	Shrub 1 ft.; fl. yellowish pink; alpine regions, 15,000 ft.	33/5092
24412	23834		Herb.; fl. white; alpine meadows, 12,000'.	33/6277
24413		Rhododendron Przewalskii	Shrub 3 ft.; fl. white; 13,500 ft.	33/6005
24414		Rhododendron agglutinatum		33/6006

Rock Seed Collections

Mountains of Yetsi, north of Kulu, Kuli Territory

82
24415

Coll. numbers

U.C.B.G.

Sd. Fl.Number

24415	23915	Stellera	Fl. yellow; meadow, 10,000 ft.	33/5652
24416	23911	Berberis	Shrub 3-4 ft.; fl. yellow; pine forests, 11,000 ft.	33/5070
24417	23916	Primula secundiflora Franch.	Fl. purple; wet alpine meadows, 12,300 ft.	33/5485
24418	23906	Rhododendron sigillatum	Shrub or tree 10-15 ft.; fl. white; spruce forests, 13,000 ft.	33/6007
24419	23907	Prunus	Shrub or small tree 6-10 ft.; fl. pink; alpine meadows, 13,000 ft.	33/5574
24420	23891	Primula Cockburniana Hemsl.	Fl. yellow; to orange; alpine meadows, 10,000 ft.	33/5486
24421	23910	Rhododendron tinctorum	Shrub 3-4-6 ft.; fl. pale bluish pink; pine forests, 11,000 ft.	33/6008
24422	23879	Primula hookii W.W.S.	Fl. dark yellow; covering walls of rock in Yetsi Valley, 11,000 ft.	33/5487
24423	23907	Pedicularis	Fl. purple; alpine meadows, 12,000 ft.	33/5362
24424	23909	Incarvillea	Fl. rich red; meadows, 12,000 ft.	33/5191
24425	23892	Primula leucocheua Hand.-Mst.	Fl. purplish blue; alpine meadows, 10,000 ft.	33/5191
24426	23889	Spiraea	Shrub 5-6 ft.; fl. white; among trees at 11,000 ft.	33/5659

Wack Seed Collections
Yetsi, Contd.

83.
24427

<u>Coll. Numbers</u>			<u>U.C.B.G.</u>
<u>Sp.</u>	<u>Fl.</u>		<u>Number</u>
24427	23883	<i>Pyrus</i> Tree 15-20 ft.; fl. white; banks of Yetsi Valley, 10,000 ft.	33/5378
24428	23885	<i>Aquilegia</i> Fl. purplish red; among trees, Yetsi Valley, 10,000 ft.	33/5380
24429	23886	<i>Rubus</i> Shrub 2-5 ft.; fl. white; alpine meadows, 13,000 ft.	33/5608
24430	23894	<i>Synonymus</i> Shrub 3-4 ft.; fl. red; alpine meadows, 12,500 ft.	33/5168
24431	23888	<i>Viburnum</i> Shrub 5-6 ft.; fl. white; among trees at 11,000 ft.	33/5669
24432		<i>Rhododendron acchmophyllum</i>	33/6009
24433		<i>Rhododendron decorum</i>	33/6010
24434	23908	<i>Rhododendron vernicosum</i> Tree 10-15 ft.; fl. pink; spruce forest, 12,000 ft.	33/6011
24435	23902	<i>Celastrus</i> Shrub 8-10 ft.; fl. white; seen along Yetsi stream, 10,000 ft.	33/6278
24436	23896	<i>Primula leucochnoa</i> Hand.-Mst. Fl. purplish blue; among trees, Yetsi Valley, 10,000 ft.	33/5489
24437	23880	<i>Primula leucochnoa</i> Hand.-Mst. Fl. purplish blue; alpine meadows, 11,500'.	33/5490

Rock Seed Collections

1951, Contd.

Coll. Numbers

Sl. Fl.

84.

24438

U.S.S.G.

Number

24438	23882	<i>Primula leucocochnea</i> Hand.-Mst. Fl. purplish; alpine meadows, 12,000 ft.	33/5491
24439		<i>Rhododendron radinum</i>	33/6012
24440	23895	<i>Rhododendron</i> Shrub 6-8 ft.; fl. pinkish; alpine meadows, 13,000 ft. (Selense-Thomsonii Series)	33/6013
24441	23861	<i>Omphalogramma vinciflorum</i> Franch. Fl. large, deep indigo blue; alpine meadows, 12,000 ft.	33/5565
24442	(23904)	<i>Primula szechuanica</i> Pax vel. aff. (Not-23904)	33/3492

Mountains of Kulu, Kuli Territory, S.W. Szechuan, 13,000 ft.

24443		<i>Incarvillea</i> Open grassy slopes, 13,000 ft.	33/5192
24444	23917	<i>Androsace</i> Fl. pink; meadows.	33/5034
24445	23956	<i>Rhododendron holvelup</i> Shrub 4-5 ft.; fl. pink; <i>Rhododendron</i> scrub, 13,500 ft.	33/6014
24446	23925	<i>Rhododendron blepharocalyx</i> Shrub 1-3 ft.; fl. small pale blue; alpine meadows, 13,500 ft.	33/6015
24447	23934	<i>Primula leucocochnea</i> Hand.-Mst. vel. aff. Fl. purple; alpine meadows, 15,000 ft.	33/5493
24448	23932	<i>Franus</i> Shrub 8-10 ft.; fl. white; fir forest, 13,000 ft.	33/5494

Rock Seed Collections

Yetsi, Contd.

85.

24449

Coll. Numbers

U.C.S.G.

Ed. Fl.Number

24449	23948	Rosa	Shrub 5 ft.; fl. white; fir forest, 13,000 ft.	33/3399
24450	23935	Ribes	Shrub 5-6 ft.; fl. reddish yellow; 13,000'.	33/3384
24451	23949	Iris	Fl. pale blue; alpine meadows, 14,500 ft.	33/3307
24452	23924	Leptodermis (Lonicera)	Shrub 2-3 ft.; fl. pink; fir forest, 13,500 ft.	33/5225
24453		Astragalus	Alpine regions of Kulu, 14,500 ft.	33/5064
24454	23944	Cresanthodium	Fl. yellow; alpine meadows, 12,500 ft.	33/6279
24455	23954	Saxifragac. plant	Fl. purplish red; alpine meadows, 16,000'.	33/6280
24456	23970	Lonicera	1-2 ft.; fl. yellow; wet alpine regions, 13,000 ft.	33/5232
24457		Rhododendron sigillatum	Tree 6-8 ft.; fl. white; alpine regions of Kulu, 13,500 ft.	33/6016
24458		Rhododendron (Fortunei Series)		33/6017
24459		Rhododendron helvolum		33/6018
24460	23926	Rhododendron lapidum	Shrub 1-2 ft.; fl. dark blue; alpine meadows, 13,500 ft.	33/6019

Rock Seed Collections
Kulu, Contd.

86
24461

Coll. Numbers			U. S. S. S. R.
<u>Sl.</u>	<u>Fl.</u>		<u>Number</u>
24461	23974	<i>Rhododendron sigillatum</i> Tree 10-15 ft.; fl. white; alpine spurs, 13,000 ft.	33/6020
24462	23960	<i>Meconopsis</i> Fl. golden yellow; alpine meadows, 13,000 ft.	33/5297
24463	23959	<i>Primula szechuanica</i> Pax Fl. yellow; wet alpine meadows, 13,500 ft.	33/5495
24464		<i>Rhododendron</i> Shrub 2 ft.; fl. ?; alpine regions, grassy slopes of Kulu Mountains, 13,000 ft. (Lapponicum Series)	33/6021
24465	23938	<i>Primula conica</i> Fl. blue; alpine meadows, 12,500 ft.	33/5496
24466		Shrub 3-4 ft.; fl. ?; fruits red to orange red; in fir forest, 13,000 ft.	33/6245
24467		<i>Hippophaë rhamnoides</i> Shrub 6-10 ft.; along streams 12,000 ft.	33/5185
24468		<i>Silene</i> Fl. ?; alpine meadows, 12,500 ft.	33/5628
24469		<i>Cyananthus</i> Fl. purplish blue; in scree, 14,500 ft.	33/5176
24470		<i>Cremathodium</i> On alpine scree, 14,500 ft.	33/5135
24471	23933	<i>Rhododendron</i> Shrub or tree 4-10 ft.; fl. white; 13,000 ft.	33/6022

Rock Seed Collections

Kaushu shan, on trail to Lei-rong, southwest Suli.

87.

24472

Coll. Numbers

U.S.B.G.

No. Fl.

Number

24472	24091	<i>Primula vittata</i> Franch. Fl. purple; alpine meadows, 13,000 ft.	33/5497
24473	24077	<i>Sedum</i> Fl. red; on boulders, 15,000 ft.	33/6281
24474	24096	<i>Aster</i> Fl. purple; in alpine meadows, 13,000 ft.	33/5059
24475	24076	<i>Diapensia purpurea</i> Diels Fl. pink; on boulders, 15,000 ft.	33/5498
24476	24061	<i>Primula conica</i> Balf. f. et Forrest Fl. blue; alpine meadows, 13,000 ft.	33/5499
24477	24060	<i>Cardamine</i> Fl. pink; alpine meadows, 13,000 ft.	33/5097
24478	24105	<i>Silene</i> Fl. purple; alpine meadow, 12,500 ft.	33/5629
24479	24118	<i>Salvia</i> Fl. purple; in meadows, 10,000 ft.	33/6282
24480		<i>Satureia</i> Fl. ?; in meadows, 11,000 ft.	33/6283
24481	24062	<i>Rhododendron sphaeroblastum</i> Shrub 4-6 ft.; fl. white; alpine regions, 13,500 ft.	33/6023
24482	24081	<i>Potentilla</i> Fl. yellow; alpine meadow, 13,000 ft.	33/5401
24483		<i>Acer</i> Tree 25 ft.; in mixed forest with firs, spruces, 12,500 ft.	33/5013
24484		<i>Nothoscordum</i> In moss in fir forest	33/6284

Rock Seed Collections

Mt. Kan-shu shan, Lei-rong, Contd.

Coll. Numbers			88. 24485
<u>Sd.</u>	<u>Fl.</u>		U.C.B.G. <u>Number</u>
24485	24080	Notochaeta Large rosette, fl. lavender-blue; alpine meadow, 13,000 ft.	33/3216
24486	24104	Geranium Fl. blackish red; alpine meadow, 12,500 ft.	33/3181
24487	24079	Rhododendron Wardii Fl. yellow; shrub 4-6 ft.; fir forests, 12,500 ft.	33/6024
24488	24063	Daphne Fl. pink; shrub 1 to 1 1/2 ft.; fir forest, 12,500 ft.	33/3039
24489	24067	Rhododendron cephalanthoides Shrub 1-2 ft.; fl. white; 13,500 ft.	33/6025
24491	24107	Parnassia Fl. white; alpine meadow, 12,500 ft.	33/3341
24492	24101		33/6285
		Fl. white; in fir forests, 12,500 ft.	
24493	24086	Neillia Shrub 1 ft.; fl. white; in fir forests, 12,000 ft. (Viburnum)	33/3327
24494	24088	Primula sikkimensis Hook. Fl. yellow; alpine meadows, 12,000 ft.	33/3500
24495		Rhododendron croceum Shrub 6-8 ft.; fl. yellow; in spruce forest, 12,500 ft.	33/6027
24496	24090	Primula sikkimensis Hook. Fl. yellow; in alpine meadows, 12,500 ft.	33/3301
24497	24089	Primula yergongensis Petitt. Alpine meadows, 12,000 ft.	33/3502

Rock Sand Collections

Mt. Kan shu, Lei-rong, Contd.

89

24498

Coll. Numbers			U.C.B.G.
<u>Ed.</u>	<u>Fl.</u>		<u>Number</u>
24498	24074	<i>Primula leucocochnea</i> Hand.-Mst. Fl. purple; alpine meadows, 12,500 ft.	33/5503
24499	24083	<i>Ajuga</i> Fl. white; alpine meadows, 14,000 ft.	33/5217
24500	24120	<i>Potentilla</i> Fl. yellow; alpine meadows on boulders, 13,500 ft.	33/3402
24501		<i>Rhododendron prunus</i>	33/3026
24502	24094	<i>Crepis</i> Forming hollow rosettes; fl. yellow; in alpine meadows, 13,000 ft.	33/5000
24503	24066	<i>Rhododendron aischrepsium</i> Shrub 2 ft.; fl. white; 12,500 ft.	33/3028
24504	24070	<i>Cremanthodium</i> Fl. deep purple; alpine meadows, 13,000 ft.	33/5136
24505	24073	<i>Mimula szechuanica</i> Pax Fl. yellow; alpine meadows, 12,500 ft.	33/5804
24506	24109	<i>Pedicularis</i> Fl. purple; alpine meadows, 12,500 ft.	33/3363
24507	24103	<i>Caltha</i> Fl. yellow; alpine meadow, 12,500 ft.	33/5084
24508	24090	<i>Rosa</i> Shrub 4-5 ft., erect; al. red; in fir forest, 12,000 ft.	33/5600
24509		<i>Senecio</i> Fl. ? ; alpine meadows, 12,500 ft., Lei- rong mountains.	33/6286

Rock Seed Collections

Western slopes of Mt. Mitzuga, Suli Territory, S.W.
Szechuan, elev. 14,000-15,000 ft.

90.
24510

Coll. Numbers			U.S.S.R.
<u>Sd.</u>	<u>Fl.</u>		<u>Number</u>
24510	23993	Fl. pink; meadows, 11,000 ft. (Herb.)	33/6287
24511	24018	Oxyria Fl. dark red-brown; in scree, 14,500 ft.	33/6288
24512	24017	Rhododendron agglutinatum Shrub 6-8 ft.; fl. white; alpine regions, 13,500 ft.	33/6029
24513	24025	Berberis Shrub 2-3 ft.; fl. yellow; alpine regions, among rocks, 13,500 ft.	33/5071
24514	23988	Satureia Fl. purplish pink; among rocks in meadows, 11,000 ft.	33/6289
24515	23989	Fl. white; among rocks in meadows, 11,000 ft. "Liliac. herb)	33/6290
24516	24049	Carpinus Shrub 6-8 ft.; in fir forest, 12,500- 13,000 ft.	33/5099
24517	23994	Saussurea Fl. purple; in scree at 15,000 ft.	33/5619
24518	24067	Fl. yellow; alpine gravel and scree, 15,000 ft.	33/6291
24519	24032	Primula Poissonii Franch. subsp. Wilsonii Dunn Fl. purple; along water courses, 11,000'.	33/5505
24520	24054	Ribes Shrub 2-4 ft.; fl. reddish; slopes 12,500 ft.	33/5585

<u>Rock Seed Collections</u>			91.
Mt. Mitzuga, Contd.			<u>24521</u>
Coll. Numbers			U.C.B.G.
<u>Id.</u>	<u>Fl.</u>		<u>Number</u>
24521	24036	<i>Primula Pdeasonii</i> Franch. subsp. <i>Wilsonii</i> Dunn Fl. pale purple; in water courses, 13,000'.	33/5506
24522		<i>Pittosporum</i> Banks of Litang River below Mali, 8,000 ft.	33/5583
24523	23975	<i>Cyananthus</i> Fl. yellow; alpine meadows and gravel, 14,500 ft.	33/6292
24524	24037	<i>Rhododendron agglutinatum</i> Shrub 4 ft.; fl. white; alpine regions, 13,500 ft.	33/6030
24525	24020	<i>Primula alchimensis</i> Hook. forma Fl. yellow; wet alpine meadows, 13,500 ft.	33/5507
24526	23976	<i>Fleurosperrum</i> Fl. white; alpine meadows and gravel, 14,500 ft.	33/6293
24527	23998	<i>Pedicularis</i> Fl. purple; alpine meadows, 14,000ft.	33/5364
24528	24000	<i>Cremathodium</i> Fl. yellow; alpine meadows, 14,500 gravel, 14,500 ft.	33/6294
24529	24001	<i>Nepeta</i> Fl. blue; alpine meadows, wet gravel, 14,500 ft.	33/6295
24530	23999	<i>Aconitum</i> Fl. blue; alpine meadows, 14,000 ft.	33/5023
24531	24040	<i>Rhododendron hemitrichotum</i> Shrub 6-8 ft.; fl. pink; dry regions, 10,000 ft.	33/5324
24532	23997	<i>Nepeta</i> Fl. pink under white-pink bracts; in scree at 15,000 ft.	33/5218

Rock Seed Collections
Mt. Mitsuga, Contd.

92
24533
U.C.B.C.
Number
33/5048

Coll. Numbers
Sd. Fl.

24533	24038	Anemone	Fl. red; alpine meadows 14,000 ft. (Potentilla)	33/5048
24534	24011	Acer	Tree 15-25 ft.; in mixed forest 11,500 ft.	33/5014
24535	23983		Fl. yellow; rocks and boulders 11,000 ft. (Gesneriac)	33/6296
24536	24044	Lonicera	Shrub; fl. yellow; open glades 11,000 ft.	33/5233
24537	24014	Prunus tomentosa	Shrub 6-8 ft.; fl. white; open glades, 10,000 ft.	33/5575
24538	24027	Cynoglossum	Fl. dark purple; alpine meadows, 13,000 ft.	33/6297
24539	24031	Caragana	Shrub 6-8-10 ft.; fl. yellow; open slopes, 12,000 ft.	33/5093
24540	24055	Rhododendron	Shrub 2-3 ft.; fl. white; slopes 12,500 ft. (Cephalanthus Series)	33/6031
24541	24058	Rhododendron hemitrichotum	Shrub 2-3 ft.; fl. small pink; fir forest, 13,000 ft.	33/6032
24542	24043	Leptodermis	Shrub 5 ft.; fl. pink; forests at 11,000 ft.	33/5226
24543	23981	Primula blattariformis Franch.	Fl. purplish pink; gravelly slopes, 11,000 ft.	33/5508
24544		Rhododendron radium		33/6033

Rock Seed Collections

Mt. Mitsuga, Contd.

Coll. NumbersSd.Fl.93
24545U.C.B.C.
Number

24545	24022	<i>Primula secundiflora</i> Franch. Fl. purple; wet alpine meadows, 13,500 ft.	33/5509
24546	23978	<i>Pedicularis</i> Fl. purple; alpine meadows, 13,000 ft.	33/5365
24547	24047	<i>Aster</i> Fl. lavender-purple; gravelly cliffs, 12,000 ft.	33/5060
24548	24056	<i>Lonicera</i> Shrub 2-4 ft.; fl. pink-white; slopes, 12,500 ft.	33/6298
24549		<i>Sophora</i> 4-6 ft.; fl. pale blue; west slopes of Mitsuga, 11,000 ft. in scrub forest.	33/6299
24550	23987	<i>Pedicularis</i> Fl. purple; among rocks in meadows, 12,500 ft.	33/5366
24551	24048	<i>Androsace spinulifera</i> Fl. pink; gravelly cliffs, 12,000'.	33/5035
24552	24052	<i>Scutellaria</i> Fl. yellow-red; meadows, 11,500 ft.	33/6300
24553	24041	<i>Sorbus</i> Shrub 10-15 ft.; fl. pink; forests at 11,000 ft.	33/5647
24554	23996	<i>Cotoneaster</i> Prostrate shrub on boulders 14,500 ft.	33/5125

Rock Seed Collections

Between Muli and Kulu on high alpine mountains.

Coll. Numbers

Ed. Fl.94
24555U.C.B.G.
Number

24555		Celtis	20 ft.; in valleys debouching into Litang River, 8,000 ft.	33/5105
24556		Ilex	Shrub 6-8 ft.; in valleys debouching into Litang River, 8,000 ft.	33/5187
24557	24127	Rosa	Shrub 6-8 ft.; fl. white; along streams, 9,800 ft.	33/5601
24558	24146	Hemerocallis	Fl. orange yellow; alpine forest, 11,000'.	33/5184
24559	24125	Leptodermis (Lonicera)	Fl. pink; along streams, 9,800 ft.	33/5227
24560	24130	Cotoneaster	Rahnuzshakt Shrub 4 ft.; fl. pink; open mountain slopes, 10,000 ft.	33/5602
24561	24138	Rosa	Spreading shrub; fl. white; Muli, 9,000 ft.	33/5602
24562	24149	Alangium	Tree, 25 ft.; fl. yellow; along streams, 8,000 ft.	33/6301
24563	24145	Vaccinium	Shrub 2-3 ft.; fl. pink; pine forest, 10,000 ft.	33/5234
24564	24144	Jasmine	Shrub 1 ft. -2 ft.; fl. yellow; 10,000 ft.	33/5209
24565	24148	Indigofera	Plant 3-4 ft.; fl. bluish purple; meadows, 9,000 ft.	33/5189
24566	24147	Disporum pullum	Fl. yellowish; in meadows, 9,000 ft.	33/5152

<u>Rock Seed Collections</u>			95.
Between Mali and Kulu, Corti.			<u>24567</u>
Coll. Numbers			U.C.B.G.
<u>Sp.</u>	<u>Fl.</u>		<u>Number</u>
24567	24123	<i>Faenice lutea</i> In spruce forests, 11,500 ft.	33/5337
24568	24124	<i>Photinia</i> Tree 8-10 ft.; fl. white; along streams, 9,800 ft.	33/6302
24569		<i>Rhododendron coriaceum</i> Tree 10-20 ft.; fl. ?; in spruce forest, 11,000 ft.	33/6034
24570	24142	<i>Ceanothium</i> Shrub 2-3 ft.; pine forests, 10,000 ft.	33/6148
24571	24131	<i>Sparagus</i> Shrub 2 ft., prostrate spreading; fl. pinkish, 9,000 ft.	33/6052
24572	24150	<i>Styrax</i> 3-4 ft.; fl. cream colored; valleys of Mali, 8,000 ft.	33/5653
24573	24141	<i>Rhododendron fictolacteus</i> form Tree 20-25 ft.; fl. large pink, very hand- some; in spruce and hemlock forests of Djugo, 11,500 ft.	33/6035
24574	24133	<i>Vitis</i> Climber; fl. greenish; Mali, 9,000 ft.	33/5672
24575	24121	<i>Piptanthus</i> Shrub 2 ft.; fl. yellow, 11,500 ft.	33/6303
24576	24139	<i>Dipelta</i> Shrub 5-6 ft.; fl. pinkish; Mali, 9,000 ft.	33/5149
24577	24136	<i>Bauhinia</i> Shrub 3-6 ft.; fl. white; 9,000 ft.	33/5065
24578	24134	<i>Evonymus</i> Shrub 5-6 ft.; fl. greenish white; Mali, 9,000 ft.	33/5169

Rock Seed Collections

<u>Coll. Numbers</u>			96. <u>24579</u>
<u>Sp.</u>	<u>Fl.</u>		<u>U.S.S.R.</u> <u>Number</u>
Mt. Gibboh, S.W. Szechuan, near Yunnan border			
24579	24174	Primula Beesiana Forrest Fl. purple; wet alpine meadows, 12,000 ft.	33/5510
24580	24175	Primula Vialii Franch. Fl. blue and red; alpine meadows at Vadja; 10,500 ft.	33/5511
24581	24171	Aster Fl. purple; alpine meadows, 11,000 ft.	33/5061
24582	24165	Rhododendron Beesianum Tree 10-15 ft.; fl. pink; in fir forest, 13,000 ft.	33/6036
24583	24160	Rhododendron Beesianum Tree 10-15 ft.; fl. white; at foot of cliffs, 13,000 ft.	33/6037
24584	24173	Impatiens Fl. purplish; alpine meadows, water courses, 11,000 ft.	33/5188
24585	24158	Ribes Shrub 4-5 ft.; fl. purple; spruce forest, 11,000 ft.	33/5586
24586	24183	Primula Poissonii Franch. Fl. purple; alpine meadows, 11,500- 12,000 ft.	33/5512
24587	24178	Didissandra Fl. blue; on boulders, 11,000 ft.	33/5150
24588		Evonymus Shrub 3-4 ft.; in forests of oak, slopes of Mt. Gibboh, 10,000 ft.	33/5170
24589	24166	Aconitum Fl. bluish purple; meadows and scrub, 13,000 ft.	33/5024
24590	24156	Crataegus Tree 10-15 ft.; fl. white; lower slopes of Mt. Gibboh, 10,000 ft.	33/5128

Rock Seed Collections

<u>Coll. Numbers</u>			97 24591 U.C.B.G. <u>Number</u>
<u>Id.</u>	<u>Fl.</u>		
24591	24164	Rhododendron aechmophyllum Shrub 4-6 ft.; fl. lavender; in fir forest, 13,000 ft.	33/6038
24592	24157	Rhododendron aechmophyllum Shrub 4-6 ft.; fl. pink; in spruce forest, 11,000 ft.	33/6039
24593	24170	Silene Fl. lavender; alpine meadows, 11,000 ft.	33/6030
24594	24182	Campanula Fl. blue; alpine meadows, 11,500-12,000 ft.	33/6085
24595		Abutilon Fl. yellow; in Litang River Valley, 8,000'.	33/5002
24596	24168	Codonopsis Fl. purple; meadows, 13,000 ft.	33/5111
24597	24191	Cresanthodium Fl. yellow; alpine meadows, 13,500 ft.	33/6304
<hr/>			
Wuaha Mountains, Yunnan, District of Tung-ning.			
24598	24201	Spiraea aruncus Fl. cream colored; in mixed forest, 11,000'.	33/5651
24599	24249	Rhododendron desquamatum Shrub 3-6 ft.; fl. purple; in spruce forest, 11,000 ft.	33/6040
24600	24208	Rosa Shrub 2-3 ft.; fl. white; in pine forests, 10,000 ft.	33/5603
24601	24209	Senecio Fl. yellow; in meadows, 10,000 ft.	33/5625

Rock Seed Collections

Washa Mountains, Yung-ning, Contd.

98

24602U.S.B.G.
Number

Coll. Numbers

Sd. Fl.

24602	24206	<i>Rhododendron yunnanense</i> Shrub 2-3 ft.; fl. pink; in pine forest undergrowth, 10,000 ft.	33/6041
24603	24218	<i>Didymandra</i> Fl. blue; on boulders, 9,500 ft.	33/5151
24604	24253	<i>Rhododendron niphargum</i> Shrub 6-8 ft.; fl. pink; spruce forest, 11,500 ft.	33/6042
24605	24233	<i>Pedicularis</i> Fl. pinkish purple; alpine meadows, 12,900'.	33/3367
24606	24241	<i>Gentiana</i> Fl. steel blue; alpine meadows, 13,000 ft.	33/3177

Between Talifu and Yunnanfu.

(Note that 25167 is entered as first collection on Sung-kwe pass,
just ahead of 25435.)~~22222~~

25233	25217	<i>Rhododendron indicum</i> form Tree 15-20 ft.; fl. red; along streams between Shatse and Lufung at Hsiang shui Kwan, 7,500 ft.	33/6043
25234	25229	<i>Rhododendron scabrifolium</i> Shrub 6-8 ft.; fl. white, very hairy; oak scrub, sandstone hills, between Peiping and Sha Chiao, 7,000 ft.	33/6044
25235	25218	<i>Rhododendron Scottianum</i> aff. Shrub 3-4 ft.; fl. white, fragrant; on scrub covered hills, between Shatse and Lufung at Hsiang shui Kwan, 7,500 ft.; same locality as 25233.	33/6045
25236		<i>Rhododendron Scottianum</i> aff.	33/6046

Rock Seed Collections

Between Taliifu and Yunnanfu, Contd.

Coll. Numbers

Sd. Fl.

89

25237

U.C.B.G.

Number

- | | | | |
|--|--------|---|-------------------------|
| 25237 | 25225 | <i>Rhododendron scabrifolium</i>
Tree 10-15 ft.; fl. red; mountains of
Yin wa Kwan, on route to Sha Chiao from
Peiping, 6,000 ft. | 33/6050 |
| 25238 | 25215 | <i>Rhododendron Scottianum</i>
Shrub 4-5 ft.; fl. large, white-pink,
fragrant; in dry gulches at Kwangtung in
mountains west of Kwangtung. (Abt. 8-9000'?) | 33/6051 |
| 25239 | 25227A | <i>Rhododendron</i> | 33/6052 |
| <hr/> | | | |
| 25240 | | <i>Rhododendron Scottianum</i>
Shrub 3-4 ft.; fl. ?; large white?;
collected at An nan Kwan between Yunnan
Yi and Peiping; similar to 25215. | 33/6053 |
| <hr/> | | | |
| Mountains of Hsia Chung-tien, mountains to the east of
Hsia Chung-tien. | | | |
| 25242 | 24617 | <i>Omphalogramma vinciflorum</i> Franch.
Fl. indigo blue; in alpine meadows,
13,500 ft. | 33/5567 |
| 25243 | 24607 | <i>Primula chionantha</i> Balf. f. et Forrest vel. aff.
Fl. pale blue; alpine meadows, 13,500 ft. | 33/5513
5514
5515 |
| 25244 | 24615 | <i>Primula chionantha</i> Balf. f. et Forrest vel. aff.
Fl. snow white; in dry alpine meadows,
13,500 ft. | 33/5516 |
| 25245 | 24613 | <i>Primula vittata</i> Franch.
Fl. purple; in wet alpine meadows,
13,500-14,000 ft. | 33/5517 |
| 25246 | 24612 | <i>Rhododendron adenophorum</i>
Tree 10-15 ft.; fl. reddish purple; in
above fir forest, 13,500-14,000 ft. | 33/6054 |

Rock Seed Collections

Mountains of Hsiao Chung-tien, Contd.

100
25247Coll. Number
No. Pl.U.C.D.G.
Number

- 25247 24600 *Rhododendron desguasatum*
Shrub 8-12 ft.; fl. purplish pink;
in spruce forest, 12,000 ft. 33/5055
- 25248 24608 *Meconopsis*
Fl. purple; in scree at 14,500 ft. 33/5299
- 25249 24620 *Cornus*
Tree 25-30 ft.; fl. white; along streams
in hemlock (*Tauca*) forest, 11,500 ft. 33/5371

See also 24255, below.

Mountains west of Hsiao Chung-tien, N.W. Yunnan

- 25250 24652 *Sorbus*
Shrub 10-15 ft.; fl. white; in fir forest,
12,500 ft. 33/5648
- 25251 24653 *Rhododendron niphargum*
Tree 30-35 ft. tall, trunk 2 ft. in
diam.; fl. pink; in fir and spruce forest,
11,500 ft. 33/5056
- 25252 24646 *Rhododendron Traillianus*
Tree 15-20 ft.; fl. pink; in fir forest,
12,500 ft. 33/5057
- 25253 24641 *Omphalogramma* sp.
Fl. purple-blue; alpine meadow in wet
regions, 14,000 ft. 33/5563
- 25254 24665 *Primula amethystina* Franch. subsp. *brevifolia* Forrest
Fl. dark blue; alpine meadows, 13,500 ft. 33/5518
- 25255 24614 *Primula sinopurpurea* Balf. f. var. aff.
Fl. pale blue; in dry alpine meadows,
13,500 ft. 33/5520

East of Hsiao Chung-tien

Rock Seed Collections
Hsiao Chung-tien (west of), Contd.

101
25256

Coll. Numbers
22222x

U.S.S.R.
Number

<u>Sl.</u>	<u>Fl.</u>		
25256	24647	<i>Primula thionantha</i> Balf. f. et Forrest vel aff. Fl. white; alpine meadows, 13,500 ft.	33/5521
25257	24667	<i>Primula sinopurpurea</i> Balf. f. vel aff. Fl. purplish blue; alpine meadows, 13,000'.	33/5522
25258		<i>Rhododendron cantabile</i>	33/6058
25259	24623	<i>Rhododendron Traillianum</i> Tree 25 ft. tall; fl. white; in fir forests, 12,500 ft.	33/6059
25260		<i>Rhododendron rhaibocarpum</i>	33/6060
25261	24632	<i>Primula amethystina</i> Franch. Fl. white; alpine meadows, 13,500 ft.	33/5523
25262	24642	<i>Incarvillea</i> Fl. magenta-red; in alpine meadows, 12,500-13,000 ft.	33/5193
25263	24636	<i>Primula conica</i> Balf. f. et Forrest vel aff. Fl. blue; alpine meadows, 13,500 ft.	33/5524
25264	24634	<i>Fyrola</i> Fl. yellow; in meadows, edge of pine forest, 10,500 ft.	33/5382
25265	24643	<i>Primula calliantha</i> Franch Fl. blue; among rocks in fir forest, 12,500 ft.	33/5525
25266	24631	<i>Prunus</i> Shrub or tree 25 ft.; fl. pinkish white; in spruce forest, 11,500 ft.	33/5576
25267	24668	<i>Viburnum</i> Shrub 10-15 ft.; fl. white; in fir forest, 12,500 ft.	33/5570

Rock Seed Collections
Hsiao Chung-tien (west of), Contd.

102
25268

Coll. Numbers
Sd. Fl.

U.C.B.G.
Number

- | | | | | |
|-------|-------|----------------------------|--|-----------------------------|
| 25268 | 24644 | Pedicularis | Fl. purplish red; alpine meadows, 13,500 ft. | 33/5368 |
| 25269 | 24629 | Viburnum | Shrub 6-8 ft.; fl. white; in spruce forest, 11,000 ft. | See 33/5671
marked 25269 |
| 25270 | 24648 | Larix | Tree 30-40 ft.; alpine regions, 15,000 ft. | 33/5222 |
| 25271 | 24637 | Meconopsis | Fl. purplish blue; alpine meadows, 12,000'. | 33/5300 |
| 25272 | | Rhododendron preptum aff. | | 33/6061 |
| 25273 | 24699 | Schizandra | Woody climber; fl. red; in spruce forest, 12,000 ft. | 33/5623 |
| 25274 | | Crataegus | Tree 15 ft.; fruits red; region of Chung-tien, 10,000 ft. | 33/5129 |
| 25275 | 24724 | Evonymus | Shrub 6-8 ft.; fl. yellow; along streams on Chung-tien plain, 11,500 ft. | 33/5171 |
| 25276 | 24722 | Primula chungensis Ward | Fl. orange; in canebrake, 11,500 ft. | 33/5526 |
| 25277 | 24694 | Rhododendron cantabile | Shrub 2-3 ft.; meadows of Chung-tien, 11,500 ft. | 33/6062 |
| 25278 | 24686 | Rhododendron sinolepidotum | Shrub 1ft.; fl. red; with oak scrub, 11,000 ft. | 33/6063 |
| 25279 | 24696 | Iris | Fl. dark blue; in meadows of Chung-tien, 11,500-12,000 ft. | 33/5208 |

Peak Seed Collections

Hsiao Chung-tien (west of), Contd.

103

25280

U.C.B.G.

Number

Cell Numbers

St. Fl.

25280	24685	Sanguisorba	Fl. dark red; in meadows, 11,000 ft.	33/6306
25281	24717	Paeonia	4 ft. tall; fl. yellow; in forests, 11,500'.	33/5338
25282	24716	Enkianthus	Shrub 8-10 ft.; fl. pink; in oak forest, 11,000 ft.	33/5166
25283	24726	Betula	30 ft. tall; bark coppery-red; along streams on Chung-tien plain, 11,500 ft.	33/5074
25284	24730	Pyrus	Tree 30 ft.; fl. white; on Chung-tien plain along streams, 11,500 ft.	33/5579

Haba shan north of Yangtze, leg. third peak of
Likiang Snow Range, Bardar.

25285	24763	Rosa	Shrub 6-8 ft.; fl. white; in fir forests, 12,000 ft.	33/5604
25286	24761	Ribes	10-15 ft.; fl. red; in fir forests, 13,000 ft.	33/5587
25287	24754	Meconopsis	Fl. purplish blue; on scree and gravel, 14,500 ft.	33/5301
25288		Lonicera	Shrub 5 ft.; fl. ? ; fir forests, 12,500 ft.	33/5235
25289	24756	Meconopsis	Fl. purplish blue; gravel, 14,500 ft.	33/5302
25290	24760	Primula amethystina	Franch. subsp. brevifolia Forrest Fl. blue; alpine meadows, 14,000 ft.	33/5527

Peak Seed Collections

Haba shan, north of Yangtze loop, contd.

104

25291U.C.S.C.
Numbers

Coll. Numbers

Ed. Fl.

25291	24755	<i>Cremathodium</i> Fl. purplish black; on scree and gravel, 14,500 ft.	35/5137
25292	24798	<i>Primula szechuanica</i> Fax Fl. yellow; swampy alpine meadows, 13,000 ft.	35/5528
25293	24813	<i>Primula Forrestii</i> Balf. f. Fl. golden yellow; on limestone rocks, outskirts of pine forests, 11,000 ft.	33/5529
25294	24749	<i>Meconopsis</i> Fl. deep purplish blue; in scree and gravel, 15,000 ft.	35/5303
25295	24796	<i>Primula sinoplantaginea</i> Balf. f. (vix=25295) Fl. purplish blue; alpine meadows, 13,000 ft.	33/5530
25296	24769	<i>Meconopsis</i> Fl. purplish blue; edge of fir forests on alpine meadows, 12,500 ft.	33/5304
25297	24809	<i>Primula sinoplantaginea</i> Balf. f. Fl. purplish blue; alpine meadows, 12,000'.	33/5531
25298	24797	<i>Meconopsis</i> Fl. yellow; alpine meadows, 13,000 ft.	35/5306
25299	24774	<i>Aster</i> Fl. dark blue; alpine meadows, 12,500 ft.	33.5962
25300	24807	<i>Primula secundiflora</i> Franch. Fl. dull blue; alpine meadows, 13,500 ft.	33/5532
25301	24799	<i>Rhododendron Traillianum</i> Tree 20-25 ft.; fl. pink; forming forests at 14,500 ft.	33/6325
25302	24805	<i>Rhododendron schroanthum</i> Shrub 2-3 ft.; fl. purple; alpine meadows, 12,500 ft.	33/6064

Rock Seed Collections

Haba shan, north of Yangtze loop, Contd.

105

25303U.C.B.G.
Number

Coll. Numbers

Sd. Fl.

25303		<i>Rhododendron prostratum</i> aff.	33/6065
24304	24735	<i>Diapensia purpurea</i> Diels Cushion plant; fl. pink; on boulders, 15,500 ft.	33/5533
24305	24801	<i>Rhododendron edenophorum</i> Tree 10-12 ft.; fl. pink; in fir forest, 12,500 ft.	33/6047
25306	24755	<i>Rhododendron fictolacteum</i> Tree 20-25 ft.; very handsome; fl. red; fir forest, 12,500 ft.	33/6049
25307	24779	<i>Primula dryadifolia</i> Franch. (vix = 24779) Fl. purplish red; on boulders, 14,500- 15,000 ft.	33/5534
25308	24734	<i>Rhododendron adenogynum</i> Shrub 5 ft.; fl. white-pink; alpine regions, 13,500 ft.	33/6048
25309	24745	<i>Meconopsis</i> Purplish blue; on scree and gravel, 14,500 ft.	33/5305
25310	24804	<i>Berberis</i> Shrub 5-6 ft.; fl. yellow; open rocky regions, 12,000 ft.	33/5072
25311	24759	<i>Berberis</i> 4-5 ft.; fl. yellow; in meadows and spruce forest outskirts, 11,000 ft.	33/5073
25312	24758	<i>Paeonia</i> 5 ft.; fl. dark red; in meadows and outskirts of spruce forest, 11,000 ft.	33/5339
25313	24806	<i>Rhododendron sphaeroblastum</i> Tree 15-20 ft.; fl. pink; forming forests at 13,500 ft.	33/6066

Rock Seed Collections

Haba shan, north of Yangtze loop, Contd.

106
~~25314~~
25314
U.S.G.
Number
33/6067

Cell. Numbers

<u>Sp.</u>	<u>Fl.</u>		
25314	24742	Rhododendron agglutinatum	33/6067
		Tree 10-15 ft.; fl. pink; fir forest, 13,000 ft.	
25315	24778	Pedicularis	33/5369
		Fl. purple; in shade of firs on edge of fir forest, 13,000 ft.	
25316	24744	Salvia	33/5617
		Fl. purplish blue; alpine meadow and fir forests, 13,500 ft.	
25317	24767	Pedicularis	33/5370
		Fl. reddish purple; alpine meadows, 12,000 ft.	
25318	24772	Rosa	33/5605
		Shrub 6-8 ft.; fl. red; in fir forest, 12,000 ft.	

Yu-lung shan, Li-kiang Snow Range

25320		Lactuca	33/6307
		Forming rosettes; alpine regions, in scree and gravel, 14,500 ft.	
25321		Lonicera	33/5236
		Shrub 4 ft.; fl. ?; fr. black; alpine meadows, 11,500 ft.	
25322		Rubus	33/5609
		Woody climber; fl. ?; fr. yellow; in valleys, 10,000 ft.	
25323	24990	Primula sp. in fruit (Not = 25323)	33/5535
25324	24895	Primula dryadifolia Franch.	33/5536
		Fl. rich pink; on boulders, 14,500 ft.	

Rock Seed Collections
Yu-lung Ann, Contd.

107

25325H. C. B. G.
Number

<u>Coll. Number</u>	<u>Id.</u>	<u>Fl.</u>		
25325	24891	Cresanthodium	Fl. yellow; alpine meadows on scree and gravel, 14,500 ft.	33/6308
25326	24866	Rhododendron rubiginosum	Tree 10 ft.; fl. lavender-purple; in forest of spruce and oaks, 11,000 ft.	33/6368
25327	24870	Rhododendron pleistanthum	Shrub 6-8 ft.; fl. white pinkish to blue and smoke colored; pine and oak forest, 10,500 ft.	33/6069 33/
25328	24853	Rhododendron Traillianum	Shrub or tree 10-15 ft.; fl. white; alpine regions in fir forest, 12,500 ft.	33/6070
25329	24867	Rhododendron desquamatum	Fl. purple; tree 10 ft.; spruce and oak forest, 11,000 ft.	33/6071
25330	24920	Delphinium likiangense	At foot of glacier at Saba loko, in gravel, 13,000 ft.	33/3147
25331	24857	Rhododendron vernicosum	Tree 10-15 ft.; fl. rich pink; in spruce forest, 11,500 ft.	33/6072
25332	24878	Ruddleia	Shrub 2-4 ft.; fl. lavender; limestone slopes, 10,000 ft.	33/5075
25333	24850	Picea	Tree 60-80 ft.; eastern slopes Maboang Vatz, 12,000 ft.	33/5376
25334	24898	Rhododendron sinolepidotum	Prostrate, 1/2 ft.; in pine and oak forest, 9,500 ft.	33/6073
25335	24871	Piptanthus	shrub 1 ft.; fl. yellow; on rocky slopes, 11,500 ft.	33/5380

Rock Seed Collections

Yu-lung shan, Contd.

108

25336U.C.B.G.
NumberColl. Numbers

<u>Sd.</u>	<u>Fl.</u>		
25336	24931	Ribes	Shrub 6-7 ft.; fl. reddish; in fir forest, 12,500 ft., eastern slopes Likiang Snow Range
25337	24893	Primula pinnatifida Franch.	Fl. blue; alpine meadows, 14,000 ft.
25338	24852	Incarvillea	Fl. red; gravelly meadows, 11,500 ft.
25339	24834	Primula pulchella Franch.	Fl. purplish blue; meadows of Saba, 11,500 ft.
25340	24864	Rhododendron eritimum	Tree 20-25 ft.; fl. red; in oak forests, 11,500 ft., western slopes of snow range Gonga
25341	24929	Habenaria	Fl. pink; alpine meadows, 13,200 ft.
25342	24848	Primula sikkimensis Hook. forma	Fl. yellow; wet alpine meadows, 14,000 ft.
25343	24829	Androsace	Fl. pink; alpine meadows, 12,000 ft.
25344	24851	Meconopsis	Alpine meadows, 12,500 ft.
25345	24964	Rhododendron Beesianum	Tree 20 ft.; fl. pinkish red; alpine regions, 12,000 ft. Na'ashua
25346	24902	Oreocharis	Fl. yellow; on boulders, 11,000 ft.
25347	24921	Ribes	Shrub 6 ft.; fl. yellow; in fir forest, Sabaloko, 12,000 ft.

33/5588

33/5537

33/5194

5195

33/5538

33/6074

33/5183

33/5539

33/5036

33/5307

33/6075

33/5335

33/5589

Rock aged Collections
Yu-lung shan, Contd.

Coll. Numbers

Sd. Fl.

109.

25438

U.C.B.C.

Number

25348	24894		Fl. pink; in gravel and scree, 14,500 ft. (Labiata)	33.5219
25349	24849	Rhododendron adenophorum	Tree 8-10 ft.; fl. pink; alpine regions, 13,000 ft.	33/6076
25350	24854	Rhododendron cephalanthoides	Shrub 2 ft.; fl. white; alpine regions, among rocks, 13,500 ft.	33/6077
25351	24947	Primula sp. in fruit aff. Shungensis (May be serratifolia)	Fl. purplish blue; meadows, foot of snow range, 9,600 ft.	33/5540
25352	24865	Rhododendron niphargum	Tree 20 ft.; fl. pink (deep); in spruce forest, 11,000 ft.	33/6078 6079
25353	24818	Cotoneaster	Shrub 5-6 ft.; fl. white; lower slopes, 9,500 ft.	33/5127
25354	24908	Phlomis	Fl. white-pink; wet meadows of Co bo, east of Likiant Snow Range, 10,000 ft.	33/5375
25355	24960	Pedicularis	Fl. purple; in marl meadow ^{11,500 ft.} SaBa;	33/5371
25356	24842	Pedicularis	Fl. purple; alpine meadows, Na dshwa, 14,000 ft.	33/5372
25357	24913	Aconitum	Fl. dull purplish green to blackish; Saga loko, rocky moraines, 11,500 ft.	33/5025
25358	24933	Ribes	Shrub 6-8 ft.; fl. red; in fir forest, eastern slopes Likiant Snow Range, 12,500 ft.	33/5590

RockySeed Collections
Yu-lung shan, Contd.

110
25359
U.C.S.C.
Number
33/5280

Coll. Numbers

33. Fl.
25359 24915

Fl. blue; on serees at foot of glacier
at Sabo Ioko, 10,000 ft.
(Labiate)

25360 24907 *Primula Viell Franch.* 33/5541
Fl. blue; wet meadows of Go bo, east
of Likiang Snow Range, 10,000 ft.

25361 24906 *Primula Viell Franch.* 33/5542
Fl. red and blue (fl. blue, calyx red); 5543
wet meadows of Gongga, 10,000 ft.

25362 24877 *Lilium lophophorum* 33/5254
Fl. yellow; alpine meadows, 12,500 ft.

25363 24868 *Prunus* 33/5577
Tree 10-15 ft.; fl. white; alpine lower
slopes with pines and Rhododendrons,
10,500-11,000 ft.

25364 24874 *Prigula Forrestii Balf. f.* 33/5544
On limestone rocks, 10,500 ft.

25365 *Malus* 33/5261
Tree 25 ft.; along streams, open country,
9,500-10,000 ft.

25366 *Pyrus* 33/5580
Tree 25-30 ft.; meadows of Go bo to the
east of Li-kiang, 9,500 ft.

Slopes of Mt. Gyi-na lo-ko, second peak of Yu-lung shan,
N.W. Yunnan

25367 25012 *Caragana* 33/5094
Fl. yellow; on rocks and boulders at
14,500 ft.

25368 24966 *Rhododendron Traillianum* 33/6069
Tree 15 ft.; fl. pink; in fir forest,
13,500 ft.

Rock Seed Collections

Yu-lung shan, Contd.

111

25369Coll. NumbersU.C.B.G.Id. Fl.Number

25369	24977	<i>Primula secundiflora</i> Franch. Fl. purplish red; water courses at 14,000 ft.	33/3545
25370		<i>Rhododendron websterianum</i>	33/6081
25371	24987	<i>Abies forrestii</i> Tree 60 ft.; in fir forests, 12,000 ft.	33/5001
25372	25008	<i>Rhododendron rubiginosum</i> Tree 10-12 ft.; in fir forests, Yi-na lo-ko; 11,500 ft.	33/6082
25373	25009	<i>Rhododendron vernicosum</i> Tree 10-15 ft.; fl. pink; forests of Yi-na lo-ko, 11,500 ft.	33/6083
25374	24978	<i>Primula sinopurpurea</i> Half. f. Fl. purple; alpine meadows, 14,000 ft.	33/3547
25375	24967	<i>Rhododendron adenophorum</i> Shrub 6 ft.; fl. pinkish red; fir forests, 13,500 ft.	33/6084
25376	25013	<i>Rhododendron cephalanthoides</i> 1 - 2 ft.; fl. white; on rocks and boulders, 14,500 ft.	33/6085
25377	24975	<i>Rhododendron druceanum</i> Shrub 2 ft.; fl. deep blue; in alpine regions, rocky slopes, 14,500 ft.	33/6086
25378	24986	<i>Aster</i> In fir forests on rocks, 11,500 ft.	33/5063
25379	25011	<i>Caragana</i> Fl. pale yellow; on rocks and boulders at 14,500 ft.	33/5095

Beck Seed Collections
Yu-lung shan, contd.

Coll. Numbers

<u>No.</u>	<u>Fl.</u>			<u>U.S.S.R.</u> <u>Number</u>
25380	24980	Rorina	Fl. purple; alpine meadows of Yakalo, 13,000 ft.	33/531E
25381	24972	Rhododendron ploistanthum	shrub 10 ft.; fl. white, pinkish tinge; in pine forests, 10,000 ft.	33/6087
25382	25015	Primula sikkimensis Hook. forma	Fl. yellow; wet alpine meadows, 13,500 ft.	33/5548
25383		Lonicera	Shrub 6-8 ft.; outskirts of spruce forests at 10,500-11,000 ft.	33/5237
25384	24965	Rhododendron Traillianum	10-12 ft.; fl. white-pink; in fir forest, 10,800 ft.	33/6088
25385		Ribes	Shrub 5-6 ft.; fruits black; outskirts of spruce forests at 10,500-11,000 ft.	33/5591

Yu-la shan, southwest of Li-kiang, Yangtze - Mekong
water shed.

25386		Rhododendron irroratum		33/6089
		25387		
25387		Rhododendron adenogynum	shrub 6-8 ft.; alpine regions, 12,500- 13,000 ft.	33/6090
25388	25369	Rhododendron coryphaeum	Tree 25 ft.; fl. pink; leaves large; in fir forest,	33/6091

Rock Seed Collections
Yun-lu shan, Contd.

113
25389

Coll. Numbers

U.C.S.G.
Number

Sl. Fl.

25389	25056	Rhododendron coryphaeum Tree 20-25 ft.; fl. yellow; in fir forest, 13,000 ft.	33/6092
25390		Rhododendron pectilodermum	33/6093
25391	25037	Rhododendron litense 6-8 ft.; fl. yellow; in fir forest, 12,500 ft.	33.6094
25392	25073	Primula pinnatifida Franch. forma Fl. blue; alpine meadows, 14,000 ft.	33/5349
25393		Rhododendron coryphaeum aff.	33/6095
25394	25040	Rhododendron coryphaeum Tree 20 ft.; fl. yellowish white, trunk 2 ft. diam. in fir forest, 12,500 ft.	33/6096
25395	25020	Rhododendron irroratum Tree or shrub 6-8 ft.; fl. white; in pine forests at 9,500 ft.	33/6097
25396	25055	Rhododendron fictolacteum Tree 20 ft.; fl. white; in fir forest, 12,500 ft.	33/6098
25397	25074	Rosa Shrub 6 ft.; fl. white; in fir forests, 12,500 ft.	33/6159
25398	25026	Rhododendron rhaibocarpum Shrub 4 ft.; fl. deep purplish red; above fir forest, 13,000 ft.	33/6099
25399	25032	Caragana Prostrate shrub; fl. yellow; on boulders, 14,500 ft.	33/5096

Bank Seed Collections
Yun-nan shan, cont'd.

114

25400

H.C.S.S.

25400

33/6100

Coll. Numbers

Ed. Pl.

25400 25048 *Rhododendron irroratum*
Tree 10-15 ft.; fl. white spotted purple;
in pine forest, 10,000 ft.

33/6101

25401 25030 *Rhododendron clementinae*
Tree 10-15 ft.; fl. pink; spotted
purple; alpine regions, 14,500 ft.

33/6102

25402 25046 *Rhododendron hippophaeoides*
Shrub 8 ft.; fl. blue; in alpine meadows,
12,500 ft.

33/6015

25403 *Acer*
Tree 15 ft.; mixed forest, 10,500 ft.

Lao-chun shan, southwest of Shi-hu and Yangtze

33/6308

25404 Tree 50 ft.; fruits black; in fir forests
at 12,000 ft.
(Araliac.)

33/6103

25405 *Rhododendron*
Shrub 5-6 ft.; fl. ?; alpine regions
above forests, 13,500 ft.
(Mexicanus-Taiwanese Series)

33/6104

25406 *Rhododendron*
Shrub 8 ft.; fl. ?; alpine regions above
forests, 14,000 ft.

33/6105

25407 *Rhododendron*
Tree 10-12 ft.; alpine regions above
forests, 13,500 ft.

33/5303

25408 25096 *Meconopsis*
Fl. yellow; in alpine meadows among
rocks, 12,500 ft.

33/5550

25409 25096 *Primula aurantiaca* W.W.Sm. et Forrest
Very rare; fl. yellow; alpine meadows,
13,000 ft.

Rock Seed Collections
 Lao-chuan shan, Contd.

115
 25410

Coll. Numbers			U.S.S.R. Number
<u>Ed.</u>	<u>Fl.</u>		
25410	25100	<i>Frimula Poissonii</i> Franch. Fl. deep purple-red; in wet alpine meadows, 10,500 ft.	33/5551
25411	25105	<i>Meconopsis</i> Fl. deep blue; alpine meadows, 13,000 ft.	33/5309
25412	25097	<i>Frimula amethystina</i> Franch. subsp. <i>brevifolia</i> Forrest Fl. purplish blue; alpine meadows, 13,000 ft.	33/5552
25413	25085	<i>Rubus</i> Fl. pink; 2 1/2 ft.; in canebroke, 12,000 ft.	33/5610
25414		<i>Rhododendron fictolacteus</i>	33/6106
25415	25091	<i>Frimula sikkimensis</i> Hook. Fl. yellow; wet alpine meadows, 13,000 ft.	33/5553
25416	25101	<i>Frimula anisodora</i> Balf. f. et Forrest vel. affl. Fl. lake colored; in wet alpine meadows, 10,500 ft.	33/5554
25417		<i>Rhododendron fastigiatum</i>	33/6107
25418	25103	<i>Rhododendron fictolacteus</i> Tree 23 ft.; fl. pink; in fir forest, 12,500 ft.	33/6108
25419	25114	<i>Rhododendron niphargum</i> Tree 20 ft.; fl. rose; fir forest, 12,500 ft.	33/6109
25420	25076	<i>Taxus</i> Tree 60-80 ft.; open forest country, 10,500 ft.	33/5656
25421	25112	<i>Rhododendron niphargum</i> Tree 10-12 ft.; fl. pink; fir forest, 12,500 ft.	33/6110

Rock Seed Collections
Lao-chuan shan, Contd.

116.
25482

U.S.S.R.
Number

Coll. Numbers

Sd. Fl.

33/6111

25482 25097 *Rhododendron recurvum*
Shrub 10 ft.; fl. ♀; in fir forests,
12,500 ft.

33/6112

25423 *Rhododendron poecilodermum*

33/6113

25424 25104 *Rhododendron fictolanceum*
Tree 30 ft.; fl. rose colored; in fir
forest, 12,500 ft.

33/6114

25425 25110 *Rhododendron fulvum*
Tree 15-20 ft.; fl. pink; in fir forest,
12,500 ft.

33/6115

25426 25106 *Rhododendron fulvum*
Tree 25 ft.; fl. whitish pink; in fir
forest, 12,500 ft.

33/6116

25428 25094 *Rhododendron daoyuladum*
Tree 10 ft.; in fir forest, 12,500 ft.

33/6117

25429 25099 *Rhododendron erectotrochae*
Shrub 10 ft.; in fir forest, 12,500 ft.

33/6118

25430 25115 *Rhododendron clementinae*
Shrub 6-8 ft.; fl. white; alpine regions,
12,500 ft.

33/6119

25431 25122 *Rhododendron fulvodes*
Tree 15-20 ft.; fl. pink; in fir forest,
12,500 ft.

33/6121

25432 25079 *Rhododendron clementinae*
Tree 10 ft.; fl. pink; alpine regions,
12,500 ft.

<u>Rock Seed Collections</u>			117.
Manuscript Sang-lwe Pass, betw. Li-kiang and			<u>25433</u>
Ho-king, south of Li-kiang.			U.S.B.G.
Coll. Numbers			<u>Number</u>
<u>Ed.</u>	<u>Fl.</u>		
25433	25203	<i>Metaleeria</i> Tree 15-20-40 ft.; in pine forests, 9,000'.	33/5211
25434		<i>Primula sinopurpurea</i> Balf. f. vel aff. Fl. ? purple blue; alpine meadows of Sang-lwe, 12,500 ft.	33/5555
25435		<i>Rhododendron Boreavii</i> Tree 15 ft.; fl. ?; alpine regions above forests, 13,500-14,000 ft.	33/6122
25436		<i>Rhododendron Boreavii</i> Tree 15-18 ft.; fl. ?; alpine regions above forests, 13,500-14,000 ft.	33/6120
25437	25193	<i>Rhododendron Halfourianus</i> var. <i>aganniphoides</i> Tree 10 ft.; fl. pink; above fir forest, 14,000 ft.	33/6123
25438	25204	<i>Rhododendron desquamatum</i> Shrub 10 ft.; fl. pinkish purple; in pine forests, 10,000 ft.	33/6124
25439		<i>Rhododendron Boreavii</i>	33/6125 6126
25440	25188	<i>Rhododendron cephalanthum</i> Shrub 3 ft.; fl. white, fragrant; among rocks, 13,500 ft.	33/6127
25441		<i>Rhododendron fictolatum</i> Tree 20-25 ft.; fl. pink; in fir forests, 12,500 ft.	33/6128
25442	25194	<i>Rhododendron Boreavii</i> Tree 20 ft.; fl. ?; forming forests above fir forest, 14,000 ft.	33/6129
25443	25173	<i>Rhododendron scabrifolium</i> Shrub 5 ft.; fl. pink; in pine and oak scrub, 10,000 ft.	33/6130

Rock Hood Collections
Sung-Kwo Pass, Contd.

11.
28444
U.S.S.R.
Number
33/6131

Coll. Nos.
SI. II.

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|-------|-------|---|---------|
| 28444 | 25211 | <i>Rhododendron fictolacteum</i>
Tree 10-20 ft.; fl. deep rose with
a deep purplish-red spot at base of
corolla; in fir forest, 12,500 ft. | |
| 28445 | 25168 | <i>Rhododendron heptamerum</i>
Shrub or tree 10-15 ft.; fl. deep purple-red;
in fir forest, 12,500 ft. | 33/6132 |
| 28446 | | <i>Rhododendron helioplepis</i> | 33/6133 |
| 28447 | 25209 | <i>Rhododendron fictolacteum</i>
Tree 20 ft.; fl. pink; in fir forests,
12,000 ft. | 33/6134 |
| 28448 | 25207 | <i>Rhododendron fictolacteum</i>
Tree 25 ft.; fl. pink; in fir forests,
12,500 ft. | 33/6136 |
| 28449 | 25176 | <i>Fritschi sikkimensis</i> Hook.
Fl. yellow; wet alpine meadows, 13,900 ft. | 33/3096 |
| 28450 | 25195 | Androsace
Fl. pink; dry pine forested slopes, 9500 ft. | 33/3037 |
| 28451 | 25170 | <i>Rhododendron irroratum</i>
Shrub or tree 10-15 ft.; fl. white,
pinkish tinge; in pine forests, 10,000 ft. | 33/6137 |

Min-tzu shan, Doho-yu nvlu, Labako, west of Shi-ku.

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|-------|--|---|---------|
| 28452 | | <i>Rhododendron</i>
Shrub 6-8 ft.; alpine regions of Min-
tzu shan, 13,000 ft.
(Tonioum-Taliense Series) | 33/6139 |
| 28453 | | <i>Rhododendron ballatum</i>
Shrub 6-10 ft.; fl. pink, large; in
spruce forest, 11,900 ft. | 33/6139 |

Rock Seed Collections
Kin-tsu shan, contd.

119.
23484
U. S. B. S.
Number

Coll. Numbers

23 484

23484		Rhododendron ballatum Shrub 2-3 ft.; alpine regions, 13,300 ft. Shrub 4-5 ft.; in spruce forest, 11,500 ft.	33/6138
23485		Rhododendron Shrub 4-5 ft.; spreading; alpine regions, among rocks, 13,500 ft. (Mexicanus-Taiense Series)	33/6141
23486	23157	Hemiocharis Fl. pink, purple spotted; outskirts of fir forests, 12,500 ft.	33/3321
23487	23146	Lilium hyacinthinum ? Fl. pinkish lavender; in fir forests, 13,000 ft.	33/3255
23488	23156	Rhododendron prunum Shrub 1 ft.; fl. pink; among rocks at 14,500 ft.	33/6142
23489	23132	Rhododendron campylogynum Prostrate shrub; fl. red; among rocks, 14,000 ft.	33/6143
23490	23150	Lilium lephopherum var. ? Fl. yellow; lvs. very narrow; alpine meadows, 13,000 ft.	33/3256
23491	23160	Lagotis Fl. white; among rocks, 13,500 ft.	33/6310 6311
23492	23161	Rhododendron poecilodermum Tree 3-10 ft.; fl. pink; forming scrub Rhododendron veg vegetation at 14,000 ft.	33/6144
23493	23162	Rhododendron poecilodermum Tree 10-15 ft.; in fir forests, 12,500 ft.	33/6145 33/6145
23494	23155	Rhododendron recurvum Spreading shrub; fl. rose; among rocks at 14,500 ft.	33/6146

Rock Seed Collections
Kin-tsu shan, contd.

120.

25465

U.S.S.C.

Numbers

33/6147

Coll. Numbers

Sl. Fl.

25465 25154 *Rhododendron aureus*
Shrub 4 ft.; fl. lemon yellow; very rare;
in pine forest, 10,000 ft.

25466 25152 *Rhododendron fictolacteum* 33/6148
Tree 10-15 ft.; fl. pink; in fir forests, 12,500 ft.

25467 25133 *Rhododendron litiense* 33/6149
Tree 10 ft.; fl. yellow; in fir and
spruce forest, 13,000 ft.

25468 25149 *Rhododendron fulvum* 33/6150
Tree 10-15 ft.; fl. dark rose; in fir
forest, 12,500 ft.

Mountains of Lei-rong, S.W.Szechuan, Kuli Kingdom.

25470 25469 *Rhododendron agglutinatum* 33/6151
Tree 10-15 ft.; fl. white; fir forests,
12,500 ft.

25472 25471 *Rhododendron sphaeroblastum* 33/6152
Tree 15 ft.; fl. white; alpine regions,
forming forests, 13,500-14,000 ft.

25 Mountains of Kulu, S.W.Szechuan

25474 25473 *Rhododendron sigillatum* 33/6153
Tree 20-25 ft.; fl. white; forming forests
on alpine ridges and spurs

25476 25475 *Rhododendron* sp. nov. 33/6154
Tree 20 ft.; fl. red-purple; forming
forests on alpine ridges and spurs, same
location as 25474

Hook Seed Collections
Mountains of Kulu, Contd.

Coll. Numbers
Sl. Fl.

121.
25478

U.C.S.C.
Number

25478 25477 *Rhododendron sphaeroblastum*
Fl. white, spotted purple; coll. on
Mt. Siga, region of Kulu west of Yalung,
Rhododendron forests, 14,000-13,500 ft.

33/6156

25480 25479 *Rhododendron sphaeroblastum*
Tree 15-20 ft.; fl. white; Mt. Siga,
region of Kulu west of Yalung, Rhodo-
dendron forests, 14,000-13,500 ft. Same
locality as 25478.

33/6156

25482 25481 *Rhododendron phaeochrysum*
Shrub or tree 10-15 ft.; fl. white;
Mt. Siga region of Kulu west of Yalung,
Rhododendron forests, 13,500-14,000 ft.;
same locality as 25478.

33/6157

Received Nov. 15, 1933:

Seed of

Tree, 25-30 ft.; evergreen; fls. yellow, along
branches, very fragrant; flowers in winter,
Dec.-Jan., native of Yunnan; can stand frost
several degrees.