

936

1936

160 457  
15 35  
457

Feb March April

Curry Powder 10 Seers.	10	✓✓		
Saffron	12	✓✓	Tickets to Rangya	120 ✓✓
Advance. Spencers.	250	✓	Excess luggage Rangya	45 ✓✓
Beads.	9	✓✓	Cox's charges.	35 ✓✓
Harrods - £50. (38)	500	✓	Postmaster.	200 ✓
Dauong. Adv.	40	✓	Lorry to Mela	20 ✓✓
Kit Pindi - Rangya. Tent.	153	✓	Cash from Bank Rs 3500	
Admad Sheikh (incl Jan 40 Rs)	200		less to Pradhan 1000 =	2500 - ✓
Gulra (incl. Jan 35 Rs).	✓ 150		Pinto & Tenduk clothes. 40 + 20	60 ✓✓
Statesman 9 mths.	27	✓	Divangiri Bill. Selvas. 2/10. Kashmir 1/10. Pinto 2/4/- . 2 1/2	6-4
Kit Bombay. Rangya	236	✓	Divangiri to Chungkar 77 coolies	31-2
Wireless	200	✓	Chungkar 70 to Demri 13.	20-0
Spencers Balance	272	✓	Cox & Kings Calcutta. Cal to Rangya.	177 ✓
Lorry to Pindi	95	✓	Dah runners Tjung So Servants 20 <u>Notes</u> .	100 ✓
Car " "	50	✓	Dauong from S. Choling own notes.	50 ✓
Tickets to Howrah.	280	✓✓	Tsongpen (to be sent by Pradhan or P.M.).	25 ✓
Excess -	140	✓✓		
Wireless Batteries	50	✓		
Hats.	42	✓✓		
Toys.	10	✓		

		13/2/36	13/4	13/5	M.O. 4/6	Yak 8/6	25/6	30/6	1.8.
Advances out of Cash:	Danang	20/-	2/-	5/-	50/-	1/-			10/-
X out of <u>wifes.</u> own.	Pinto	40/-	5/-	5/-		1/-			10/-
	Tenduk.	20/-	10/-	5/-		4/-		10/-	10/-
	Tumpang	<del>20/-</del>	15/-	5/-		1/-	5/-	5/-	10/-
	Gula		10/-	10/-		1/-			10/-
	A. Sheikh			10/-		1/-		10/-	10/-
	Gula.			10/-					10/-

Engaged 13/5/36 Norbu Rs 7 Sanga Choling. Tengah = 7/8 on 1.6.36. PD on 1.6.36

Tapik 5/6/36. Pd wages as tapik, but not as Pak runner. 5/6/36.

Tapik paid Rs. 13/- on 30.6.36. as Dakehi. paid on 17/7/36.

An M.O. also sent for Tumpang. Money ~~25/-~~<sup>25/-</sup> was the debited from a/c at Kamanilehah.

Kembatse	Sheep				30/9	1 <sup>st</sup> Nov	Ludlow				
	4/9	10/9	14/9	26/9			1/11	8/11	18/11	25/11	
-/8	15/-	1/-	10/-		109	8/-	10/-		5/-		132
-/8	<del>10/-</del>	1/-		10/-	77	5/-		40/-	5/-		127
-/8	5/-	1/-	5/-	10/-	77	10/-				10/-	9787
-/8	10/-	1/-			82	10/-				10/-	102
3/-	-/8	5/-	1/4		50					10/-	76
-/8	5/-	1/4			48	10/-				10/-	68

$$\begin{array}{r} 450 \\ 127 \\ \hline 323 \end{array}$$

$$\begin{array}{r} 323 \\ 140 \\ \hline 183 \end{array}$$

$$\begin{array}{r} 250 \\ 87 \\ \hline 163 \end{array}$$

$$\begin{array}{r} 400 \\ 132 \\ \hline 268 \end{array}$$

Rates of pay. Pintso. @ 45/ pm. Due 450. Tenhas 1400. Rem to pay Rs 183 + 45 <sup>Paid</sup> ~~138~~ <sup>132</sup> ~~132~~

Tenduk. @ 25/- = 250 <sup>250</sup> ~~250~~ <sup>183</sup> ~~183~~ Pd - Rs 163 + 25.

Danang. @ 40/- = 400 Pd - Rs 268 + 40.

Tsongpen @ 30/- = 300 Pd - Rs 208 + 30 <sup>198</sup> ~~198~~ <sup>Paid 191</sup> ~~191~~

x

1<sup>st</sup> Nov. Ahmad Sheikh Pd at Rs 45 up to + incl. April, with Rs 25/over. 90 <sup>822</sup> ~~822~~ <sup>140</sup> ~~140~~ <sup>962</sup> ~~962~~ <sup>90</sup> ~~90~~ <sup>100</sup> ~~100~~ <sup>100</sup> ~~100~~

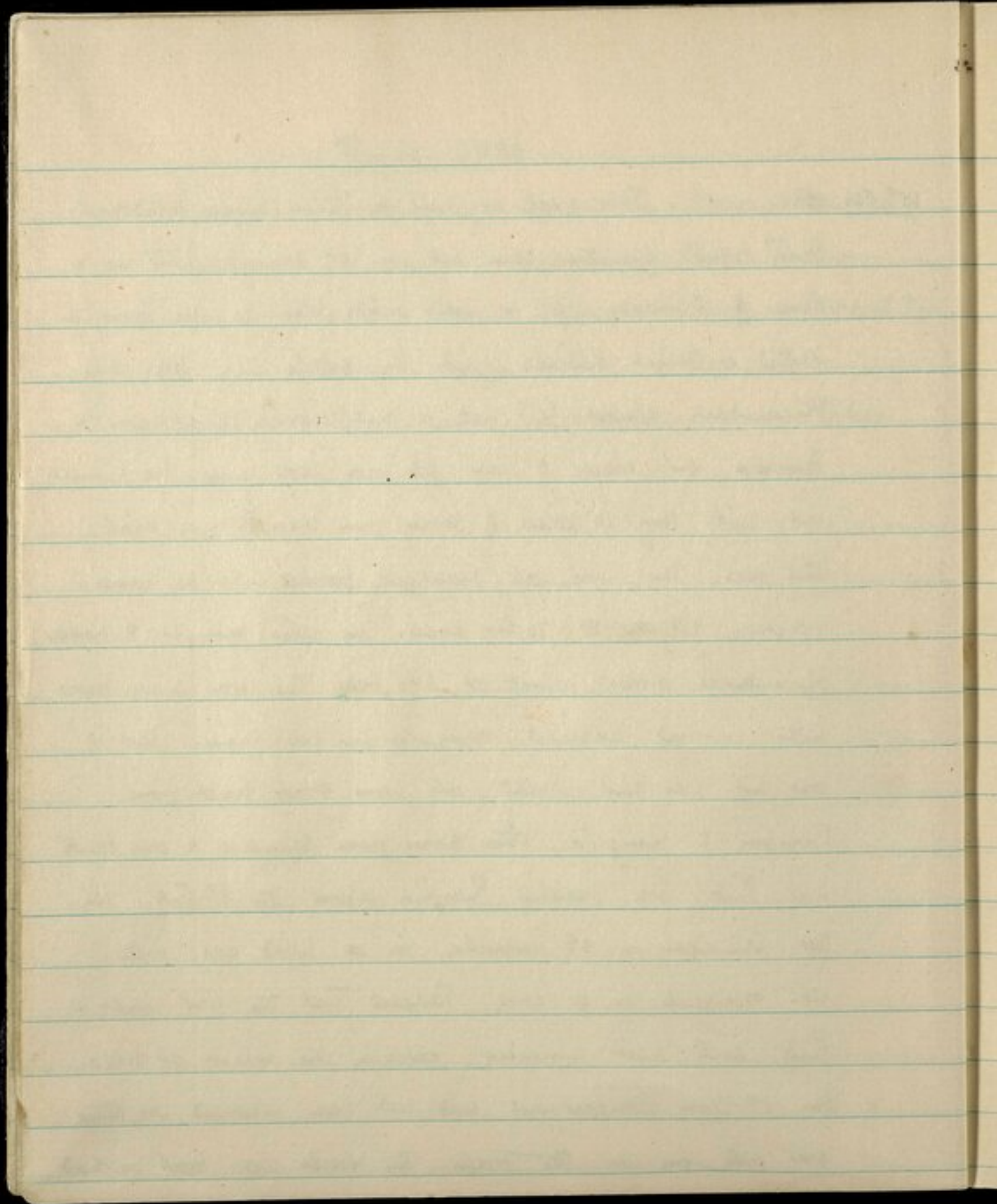
" Gulla Pd at Rs. 40. " " " " " " Rs. 10/over.

Route. 1936.

Diwangiri - Trashigong - Gauri Chm - Mera - Saliden -  
Trashigong - Changpu - Nyam Lang Chm - Trimo -  
Tsona - Loro tö - Chayul Dzong - Lung - Chayul Dz -  
Le La - Charue - Sanya Chöling - Cha La -  
Mugyitum - Bimbi La - Clüchchar - round Takpa  
Shiri -

15<sup>th</sup> Feb. 1936.

This year we have a much bigger handout than before. Lumsden came out on 16<sup>th</sup> Jan. to join us, & came to Erinaagar till we were ready to go. He gave us rather a fright several times by getting ill. After our dinner party almost, he had a bad attack of sickness & diarrhoea, but seems to have got over that now. He brought out with him 14 cases of stores from Harrod - a trial this year. They were all beautifully packed in 5. Ply boxes weighing between 50-70 lbs each. He also brought 8 boxes of medical stores, valued at £70 odd. This was much more than we had expected, maybe far too much. Most of our kit was sent ahead, all home stores direct from Bombay to Rangija. Other stores from Spence & our tents from Pindi. All reached Rangija about the 1<sup>st</sup> Feb. We left Erinaagar on 9<sup>th</sup> morning in a hired car, with kit servant in a lorry. Reached Tret the first night, & Pindi early next morning, catching the express at 11.40. Our 2<sup>nd</sup> class compartment had not been reserved, as there was only one on the train. The result was that we had



nice people in the carriage, besides a great deal of life.  
 However this only lasted till Lahore, where we changed to  
 the mail & had a compartment to ourselves. It was  
 warmer too hot, a very pleasant change to last time  
 we came down where it was 117° in Lahore. The  
 Lilliers & Miss Cameron came down to see us at the station.  
 Calcutta reached on 12<sup>th</sup> morning, & we had a busy day  
 shopping there, getting a few extra presents, including a  
 dozen felt hats in the New Market, which was great  
 fun. Collins came to lunch & we dined in his  
 chummers & then went on to the cinema - "The making  
 on the Burma", one of the best films I have ever seen.  
 Next day at 1.0 pm we left by the Assam mail. At  
 Parahipour I got Chris' telegram about Nottier, & later on  
 another one at Kumarikhata. We reached Rangpur about  
 5.45 am & after a shave & breakfast, came on in a  
 car to Dananghela. Bulbis last year, this only took  
 about 1 1/2 hours on a dry road. There was a huge  
 crowd at the vela - half Pantan seems to be there  
 just now. We met the Dyonpen & Franhuong & Shungia

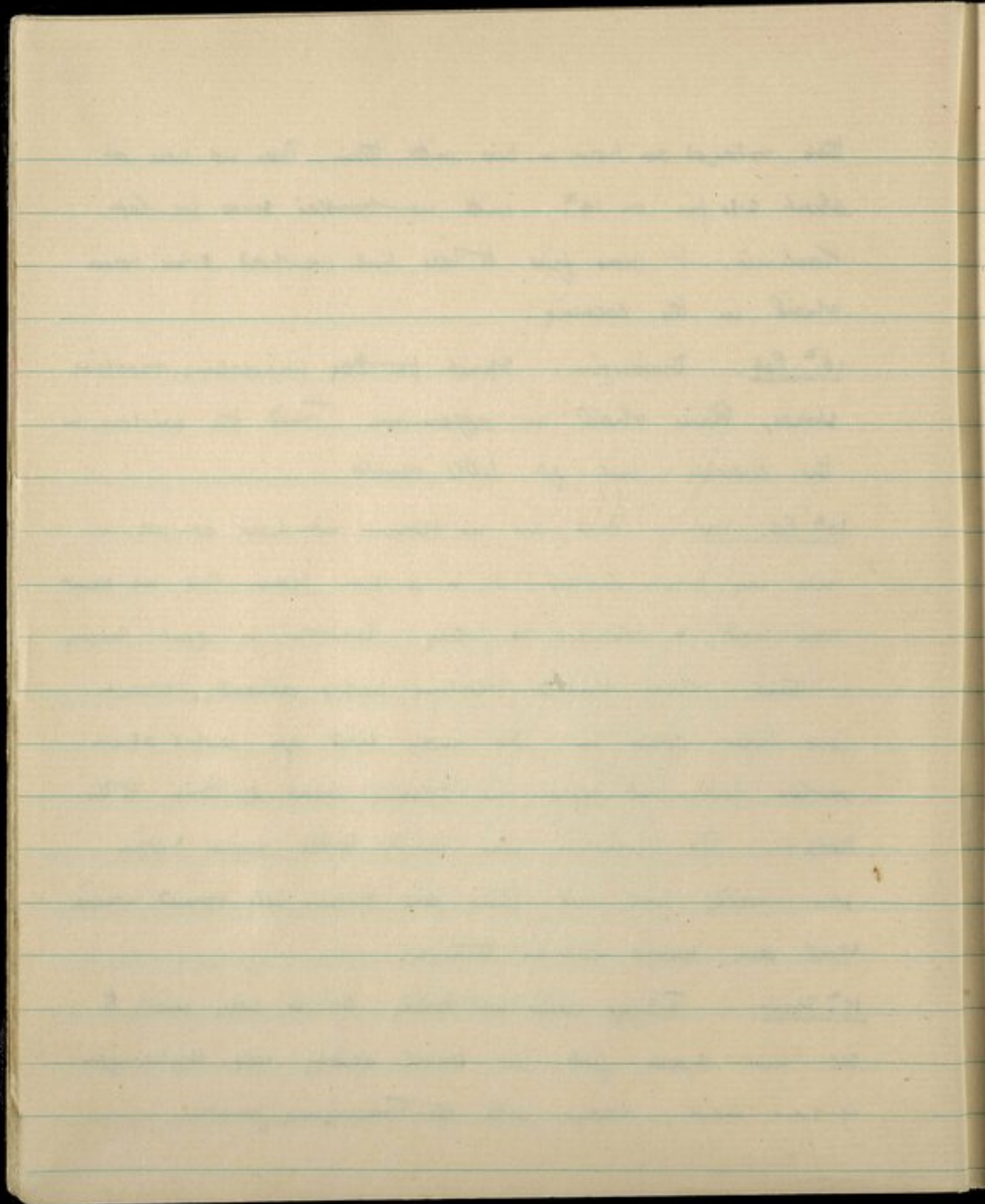
London. p. 8. known as E. P. P. P. P. P.

there, stayed an hour or two with them. Then up here at about 2:30 pm on 14<sup>th</sup> - with no troubles since we left Kashmir. It was fine to here, but we had some rain & hail in the evening.

15<sup>th</sup> Feb. Dwarigiri. Spent the day unpacking & sorting stores. Rain & hail in afternoon. Tried the wireless in the evening, but got little result.

16<sup>th</sup> Feb. Halt. There are no flowers out here at all, & from my point of view, it is a poor place. But we want some birds & collected 20 today. Luunden is quite happy I think & has started treating people already, though few have come in. One man had an awful abscess on his foot, but after one dressing went off down to the Mela. The wireless was much better & after 8.0 pm was really good, but there are storms all round which spoil any music coming through.

17<sup>th</sup> Halt. Tobye came up today. It is very nice to see him again, just his usual cheery self. He brought up some mail, & came with the Treshingam jumper.



19<sup>th</sup> Feb. Hall. Tobgye stayed up till this afternoon when he went off about 2.0 pm. He has to meet Coued at Rangya then go to Suikong to discuss Bhutan boundary questions. I don't much like what I hear about Coued, & he treats Tobgye rather like a 3<sup>rd</sup> grade clerk. We have queer kind of weather, thunder every day & night, some rain & some sun.

20<sup>th</sup> Feb. I hear that rhododendrons are out in Chungkar. We have decided to go on there on 22<sup>nd</sup>. I wonder if any other flowers will be out too. Here there is nothing. We went down this morning to the river N.W. of here & fished with fly spoon, catching several fish which resemble mahseer, which played quite well. It thundered & rained all night, & today has been more or less fine till 4.30 pm, when very heavy hail rain with thunder came on. We returned at 2.0 pm when I got Mary's wire to say Mother had died. She must have been glad to get away from all her pain at last. Yesterday the Trashiqong Dzongpen went off too. He wanted to meet us in his district, but we

L. p. 8 - at about 7 am. we saw 4 skeins of grey lag geese pass over the ridge  
on which we were encamped. One skein was so low as to be almost within gunshot.  
After crossing the ridge they rapidly gained altitude & we watched them through  
glasses heading due north towards the Chungkar range. We calculated that  
in 3 hours at the most they would have crossed the main range & be over the  
Tibetan Plateau.

L. p. 9 - declined in the Dulan & Scotland  
Ranger's march in the evening, but we  
were so tired by half past 8, that  
Dulan was ready to quit the trail that  
we gave it up & went to bed.  
We were on day light so comfortable  
in bed - up at dawn on the 10th  
& in bed a couple of hours after dark

L. p. 10 - on the Deo Chu, just before  
the first crossing of the River we came  
across a large Blunt's encampment  
where the Co. brought down for various  
parts of East Tibet and is bought for the  
people of Tibet by Toboq's agents &  
despatched to Calcutta. Some good  
bees were also killed.  
The article - Duro

got Tobye to put him off trail. He is very nice, & a jovial man, but takes up too much of our time. I am very glad we came when we did. Since we arrived here, it has rained every day. The road must be in an awful mess now.

21<sup>st</sup> Feb. Heavy hail & thunderstorm last night again, but a perfect, cloudless day today. Others than us realized the weather had changed, as this morning at 6:15 we saw a number of geese (grey lag) passing over us & heading due North over Chungnan.

22<sup>nd</sup> Feb. SATSALOR. 2700' Another prod day up to 1:00pm when it clouded over. Our army of coolies left by 7:30 am - we had for the first march. We came along slowly, getting here by 1:00 pm. There are still no flowers to be seen, but we got some prod birds, including a pair of partridge, which do not seem to agree quite with conditions in the bush. Lumsden is getting very fond of early rising already. If it wasn't that he took about half an hour over shaving, he would be ready as soon as us.

Loc  
P  
B

No  
J  
E  
P  
K  
C  
M

R  
C

all between 4000 - 6500ft

*Lobelia pyramidalis* 1123 *Cymbidium cyperifolium* 1124 *Corylopsis himalayana* 1125 *Prim. filipes* 1126  
*Pent. capitata* 1127 *Lupinus holosericeus* 1128 *Limnolobos grandiflorus* 1129 *Arisaema raphanifolium* 1130  
*Begonia ligulata* 1131 *Dendrobium heterocarpum* 1132  
23<sup>rd</sup> Feb. CHUNGKING. 6500 / 12 miles. I left at 6.0 am, in high

hopes of finding some good flowers on the wet face at about  
in 8 or 7. But we are too early yet. The country is very  
dry indeed, & where last year the cliff was covered in soaking  
wet moss, this year it was all dry as dust. Signs were

AB

seen of *P. sherriffae* 552 & *P. hudsonii* 554 in the dry moss, just waiting for damp  
to bring them on. The only interesting flower seen was

discovered by  
Jupp &  
Cunningham  
partly on at  
Kheri Gumpa  
came across  
masses of it.

*P. filipes*, 1126, found among 552 & 554 on the same cliff.

It was in full bloom. Not a very pretty primula, but  
dainty, with 5 or 6 flowers on a stem. Colour varies from white  
to heliotrope where it is in shade. Also found at Kheri Gumpa  
close to Chungking, just beside the road immediately under the  
gumpa & straight up towards the Gumpa from there in profusion.  
Seeds should be ready in 2 or 3 months. Last year we

failed to find seeds of *P. hudsonii* (554) but found some  
this year. The seed pod is very low, right down level with  
the branching of the leaves, ~~not~~ which are depressed. Other flowers

Rhod  
arbutum

were very scarce, & only *Rhododendron arboreum* is out. Weather  
fair, bright till midday & clear again in the evening.

24<sup>th</sup> Feb. Hakt. Went up to Kheri Gumpa but found nothing of any

Aug. 10. - Timberline near Lake Colman

Psittiparus ruficeps ruficeps One of species not in the lower sitting  
nestless in a scarlet rhododendron (2 arboreal) bush.

Miltava grandis frontis In deep dark canopy of bush. Keckly, rare

Fluctus found to be also.

208.2 = 1989  
78    192902 = 2190  
      1089  
      1978  
      2189876

L. p. 13. H. scrubby camp - see 59

<sup>1134</sup>  
*Rh. grande* interest but a *rhododendron* new to us, with lemon yellow  
 at 7000 ft  
 flowers + red stigma. It clouded over before I got there, some  
<sup>2000 ft</sup>  
 + 6000 ft had some hail

25<sup>th</sup> Feb. Hal. Looked round about camp for more flowers with  
 no success, but appointed a man to see to collecting seeds

*P. filipes* of *P. filipes* from beside ~~the~~ of Kheri gumpa. In the evening  
 we packed up a mail, - a mail from Darvaug arrived.  
 There were just about three or four days mail. I had  
 more letters from home about Mother, written at the  
 end of the month or beginning of Feb. We are rather  
 worried at the way our stores are going. Flower with last  
 no time at this rate, & no more is available here of  
 any kind.

26<sup>th</sup> Feb. DEMRI. 6 miles. BP. 208.2 Temp. 78°. Approx 2190'.

A short march down hill, very wet. I tried the new  
 Lumiere films here, but water is too wet & I ruined  
 three exposures. Luckily there was nothing of any great  
 value. as usual like *R. arboreum* in flower a low down as 2500 ft

27<sup>th</sup> Feb. <sup>in the Jiri Chu valley</sup> Camp about 5 miles below Belpai. 7 miles. A grand day,  
 but no flowers or birds of interest seen. It was just starting

No. 1. Cine film finished.

No 1 Pan. F. Pk. -

Rh

Rh

Jo  
J

Rh

Rh

Ac

Rh

off, as we were a bit late - Lumsden taking too long over his shave!

28<sup>th</sup> Feb. YONPUA. 8000' 7 miles. Yesterday & today the marches have mostly been through forest of *Pinus longifolia*, with which the southern hill faces are covered. The northern faces are mostly covered with evergreens, but have some pine too. There are still no

Rhododendron flowers to be seen except *Rhododendron arboreum*. Some of them were *Yonpu de* look. I looked today to try & find the new rhod. seen on the Jotel.

Rhod *Yonpu de*, but it was not in bloom. But we collected seeds

*Rhododendron* 1141, 1142

*Rhod arboreum* 1143

*Amiphysalis helioscopia* 1144

*Pinus filipes* 1145

of what may be it, taken from close too, if not the same bush. *Lumdenia* fame is spreading. In the evening

yesterday the worst case of burning lice ever seen was brought in on a stretcher from 8 miles away. She had had a bit & fallen in the fire, both legs being horribly burnt. That was 17 days ago so they are pretty fruits now. Poor old lady, she was having an awful time. She will come on today for some treatment. Several other awful cases were brought in the last two days - all of a year or two's standing, & pretty difficult to treat. It is very paralytic here; there is no sun but signs of it pretty close to. Yesterday's camp was a

L. Sh. 81. Found at Jompuk (8000) 29 Feb. In the pine tree on the trip.

*Fulvetta leucostriata*. Later by, also found at Takho, Pangcha, Sepo, Trens,

Lung, Kaka, Mungka.

Common species south of main range, in Upper Tansen, the Nyam Tang Cha valley,  
the upper Subansiri at Lung, in the Talabakhoi district. See for long 91° 2'

to long 94° 15'

Does not occur north of the main range where it is replaced by another sp. of *Fulvetta*.

*F. straticilla* *straticilla* w. d. seen for the first time in the Tsari valley

below Chosen. From Tsari they trace it eastward to Gyala Shensi &

extend into Western Szechwan & Yunnan. Confined to forested areas

in the main range where the sample through considered, is far less

heavy than it is in the south. In the summer it has a wide altitudinal range

in habiting scrubbing rather than trees, on parks found of rhodo & lolly oak

Tansen seen to be a characteristic trait of the zone *Fulvetta* & *F. leucostriata* growth

is so confident that I have watched it feeding quite unconcernedly within

a copy of my tree I was standing.

S. Kowloon Camp 9 Feb 27

fine example of what the Bhutaneese can do. Three little huts formed the three sides of a square, in the centre of which was a fourth hut made as a dining room. All had tables made in them & benches, & the three had two inches boards raised as beds. And all that for us to stop one night in. By now, there will be hewn up I suppose. Today we particularly said we wanted water in Dune, so just drove a small terrace levelled for our tents, & a small hut made for the servants. The old lady with the burnt legs arrived here in the evening. She must have had a most awful trip up here on a very uncomfortable stretcher.

29<sup>th</sup> Feb. Hall. The weather is always much the same now.

The mornings are lovely - cool but clear. Then by noon mist has come up, later it gets power, & by the evening the sky is clouded over. Up here there is a strong wind all day long. From the south all night & up from T'jung all day. I got nothing of interest, except

*Prim. filipes* were *Primula filipes*. Looked for some good birds. *P. filipes* (1126) is obviously pretty common up this way, provided it has a damp place in the day season.

Pr

Jo

Pr

Pr

*Prim. filipes* The specimens taken here were along the path which leads East from the Chorten at the S. end of the pass. Anywhere along that path where a small uala crosses the path, there is *P. filipes*. I went along a mile, & found it every few hundred yards. The lady had a very bad night with her burnt legs. I hope Luusiden will manage to do something for her. They were 17 days unattended, so are in an awful state, & the smell is really bad. I went out twice in the afternoon saw a barking deer, which I shot at 40' with a .410 lethal bullet. Its flesh will provide a very good change from the everlasting mooshi.

1<sup>st</sup> March Halt. Saw nothing in the morning, but Tsongpen

*Lingpunde* went up the hill E of the Yonpu la & came down a side uala where he found a beautiful primula (1147) which I think must be *P. Brodiaii*. I immediately went there, but could find no more. It was only seen in a very small area among waterfalls, on mossy rocks in the shade on a south face. It is heliotrope with a greenish yellow centre & the best flowers were 1" across, or more. We have lovely views of the snows each morning away to

L. p. 17 1st specimen of Beauvoir's Bullfinch  
(*Pyrrhula* <sup>erythrogastra</sup> *e. erythrogastra*). I have been constantly  
looking out for it in Bolivar but have never  
seen it until now. Apparently it is a very rare  
Bullfinch not represented in the National Collection  
by two specimens only - all ♂. Fortunately out of the  
3 birds I shot 2 were ♀. They were very tame &  
the bird (only 3 in number) was in open thicket &  
oak forest at 7000. I shot a ♂ & a ♀ with  
the first shot. The other ♀ did not fly away but  
remained in the thicket in which its companions  
were perched & complained plaintively at her  
fallen mate. I shot shortly her but specimen  
of the rare bird and ♀'s have long been a  
sore to me at the B. M.

L. ibis 45 266

the North. The three main peaks seen bear  $356^{\circ}40'$ ,  $358^{\circ}$  &  $1^{\circ}20'$  by compass from camp. Lumsden has a good deal to do now, many cases coming in. Today there were a few with leprosy but he cannot undertake treatment except for their sores. There is obviously no time for more. "Shooming" is in full swing, at night one can see large patches of hillside ablaze, & the valleys are always smoky, which rather spoils the view of the snows. The wireless has been very good lately.

Jonpuha near Trashigang

2<sup>nd</sup> March. Puntsoyong 5 miles. Another beautiful day.

Ludlow shot 3 *phyrula erythraca*, very valuable birds.

Trashigang Dzongpen has been very kind indeed to us, making every arrangement possible. He has built a magnificent guest house, in which we each have a room & there is a just room as dining room. My place has a fine altar with 17 images of Buddha in it. There is a wire of Bhutan modern standard at one end - just a slit with a shoot below to a hole

in the ground - not too easy. We listened in to a record of the King's speech this evening at 7.0 pm, & heard

103

Sent off Dufay color 2

F. Pach. 1 2 2

Contax 1 2 2

Cine Kodak 1 2 2

Kodachrome 1 or had  
one

all he said through with some difficulty. Plans have been made for us to go almost anywhere we like, and will after three days here, go off towards Salden again. Weather perfect, with no sign of rain for a while yet. The

~~P. grandis~~ <sup>1147</sup> Primula found on the Yonpa La 1147 must be *P. Boottii*, a *Petolaris primula*. It is uncommon, but was found by Cooper three times & by K. Ward in the Nyamjang Chu. It has some farina on unopened buds, though nowhere else. The colour is beautiful, but might not last in sunshine. I have two excellent colour, Lumiere photos.

fit.

3<sup>rd</sup> 4<sup>th</sup> 5<sup>th</sup> March Halt. We are in no hurry, so halted here for three days & did nothing but eat, write & sleep. Hunsden however had his work cut out & had many patients, some sham & many real. The Drangpen has been very kind indeed to us, supplied us with all sorts of stores & other things, & prepared luts for us on our way up the Tsamri Chu. Ahmad Sheikh continues to produce wonderful excuses for anything he does not know. We told him to make mince pies yesterday,

100  
100  
100

100  
100

100  
100

16 but he said that was impossible without ice. So Luedlow today made them himself, and did it very well. Pastry is not one of A. Sheikh's strong points at the best, but perhaps after this he will make an effort.

6<sup>th</sup> Trashigong Dzong In A short march, which we did in gentlemanly style accompanied by the Dzongpen. There is a terrific breeze blowing here all day long, otherwise

*woolfadia furtiosa* 1150  
*lepidoloma hookeri* 1151  
*Indigofera pulchella* 1152  
 would be a better place now. Found a few flowering shrubs on the way, but nothing very interesting. The hills are still covered with *pinus longifolia* on the R.

*Indigofera pulchella* bank of the Dangme chu. 1152 is a small shrub, sometimes growing to a tree which was fairly common, with a leaf rather like a large *indigofera*, presumably an *astragalus*. Another small shrub seen in only one place behind a stone ~~on~~ below

*woolfadia furtiosa* 1150  
 the bank was 1150, with red flowers along stamens, flowers all in a bunch and no leaves out. The Dzongpen staged a lama dance for us this evening, but after the sun had gone in a light was very bad indeed. I took one Dupar colour, but could not get any cine pictures.

B.P. 205.8. - 71° Temp.

Is p 21. ? Thinning near. Whole hillsides  
are burned for the sake of making new fields  
or pasture. It does a vast amount of  
damage to the forest but the B. balance  
up to the present, have no use for forests

7<sup>th</sup> March. Rungzyung. 6 A short but very hot march

*Pinus longifolia* up the Gami Chu. *Pinus longifolia* still plentiful particularly north of the river. A beautiful bauhinia tree was in

*Bauhinia variegata* 1154 full bloom below Trashizung south of the way up here, where side ualas with water came in. Also a pretty

*Desmodium ilicifolium* 1155 leguminous shrub with purple flowers with a green patch on the centre of the keel, (1155). A queer red

*longifolia frutescens* 1150 flowered bush too was quite numerous, some in flower with no leaves, some with flowers over leaves out.

*Viola* 1158 (1150). Here violets, 1158 & 1159, & a spirea 1157, &

the big tree "flower of the forest" are about the only things in flower. The locals have built a most magnificent 'village' here of about 10 houses all close together, really the finest effort I have ever seen in Bhutan, & that is saying a good deal. Lunden thinks

1153

that the awful sores we saw on so many people here last year are due to the dandin fly. That fly is numerous even now, but does not seem to have so much vim in its sting as in the wet weather. The fly rejoices in the name 'serulium dandinum'.

March 8. L. R. traversed the already familiar route (to Leshan) to Phangme.

801a "Crab apple" = Jocymia umbra 1201

2600  
2060  
25  
5500

S

So  
M  
Co

R

6000-6500ft

Shungphu 8<sup>5</sup> March. Shungphu 2 miles. B.P. 201.9 Temp. 59° = approx

Gamri Chu 5650' A very short march. Pate leaves Rungzyung +  
Salix caprea 1163  
Mag. Campbellii 1164  
Cornus capulata 1165  
ascends directly up the spur on the east side of the valley  
coming in to the Gamri Chu at Rungzyung. Direction approx

143°  
150° M. The valley to the W. of Rungzyung is called the

Karti Chu. Pate is steep + direct, and this place is  
reached in about 1 1/4 hours. The hillside is covered to a

Pinus longifolia considerable extent with pinus longifolia + a certain  
amount of oak. But there is also a good deal of  
cultivation on either side of the ridge. A house has  
been put at my disposal here, + I hate the idea of  
living in it. Although comparatively clean looking, his  
sweat it with harbored bugs of all kinds - certainly fleas.  
When I arrived here the owner + his wife, quite a comely  
woman, came out to meet us. The Dyonpen always  
stays here if he comes up this way - water food.

Tomorrow's march leads up to what seems to be generally  
called the Chöling La, which is sometimes known as the  
Munde La. These places are not marked on our map.

Although each day is perfectly clear of cloud in the

7.  
Ge

10

Mornings, clouds very soon appear later on & by midday  
are all over the sky. I found nothing of any

interest up here. Most of the country is cultivated: there  
is more extensive cultivation in this valley (Gauri Chu)

than any other part of Buntan. Two fumariaceae were

*Fumaria* 1160

" 1161

*Gentiana Capitata* 1127

1160 & 1161, both a dull pinkish colour. *Gentiana* 1127 also is

out in many places. The Dzangpen said he had a

special message sent up fast, from Calcutta, to say that

there would be a bad earthquake up here. This is the

day worked out for it. The papers also say Calcutta is

full of rumours about an earthquake, & people are so

ready to believe it all that many have even left

Calcutta. When I was out this evening I found a

*Magn. Campbellii* 1164  
grand magnolia tree in full bloom (1164). I have no book

giving descriptions of magnolia & cannot say what it is.

It is about a mile beyond Shungphu on the Mia Road,

on the left at the edge of the thick evergreen forest. On

my way back, I put up 6 kalij & shot a couple of

them - a hen & a cock. The hen bird was a fine

specimen with a good crest, nearly as long as the cock, -

$$192.2 = 10644$$

$$52 = 1.0444$$

$$\begin{array}{r} 10644 \\ 1.044 \\ \hline 10644 \\ 42576 \\ 42576 \\ \hline 42576 \\ \hline 11,116.5 \end{array}$$

$$191.5 = 11034$$

$$41 = 1.0199$$

$$\begin{array}{r} 11034 \\ 1.0199 \\ \hline 11034 \\ 41034 \\ 99306 \\ 99306 \\ \hline 11,253.5 \end{array}$$

Diedron. 23.34. March 9. to Takhti or Takhte.

P. Denbie. 1702. P. gracyp. 1707  
R. MadDeni 1704. R. Leudlay 1705. R. Kendricka 1706.

" 24-25. March 10. Hael at Takhte.

Rh. graue 1708. Rh. canellaform 1709  
Mag. Campbell 1711

an equally fine tail, again nearly as long as the cock, it had the beginnings of spurs. Aulia acts as my cook up here while I am on my own. He produced good soup & an excellent curry, so I have no complaints so far. It clouded over this afternoon, even so far as to rain a few drops about 5:00 pm. I do hope it remains fine while I am in Mera.

9<sup>th</sup> March. Mera 12 miles. B.P. of Choling La 192.2° Temp. 50°. B.P. of Mera

Jamri Chu  
Choling La

191.5° Temp 41°. This was a most interesting day. I left

at 6:30 fearing rain, but after a cloudy start, it cleared

*Sentana byarke* 1169

*Ph. White* 1166 up, we had a most beautiful day. A few white clouds

*"franki* 1167

*Oxygraphis* blowing across a beautifully blue sky, with little wind hills

*Polypetalis* 1170

we reached here at 3:30 pm, when there was a regular

gale. I had a peaceful night, somewhat to my surprise,

no fleas or lice & everything very comfortable, Aulia

producing a perfectly good dinner. I am sure I saw one

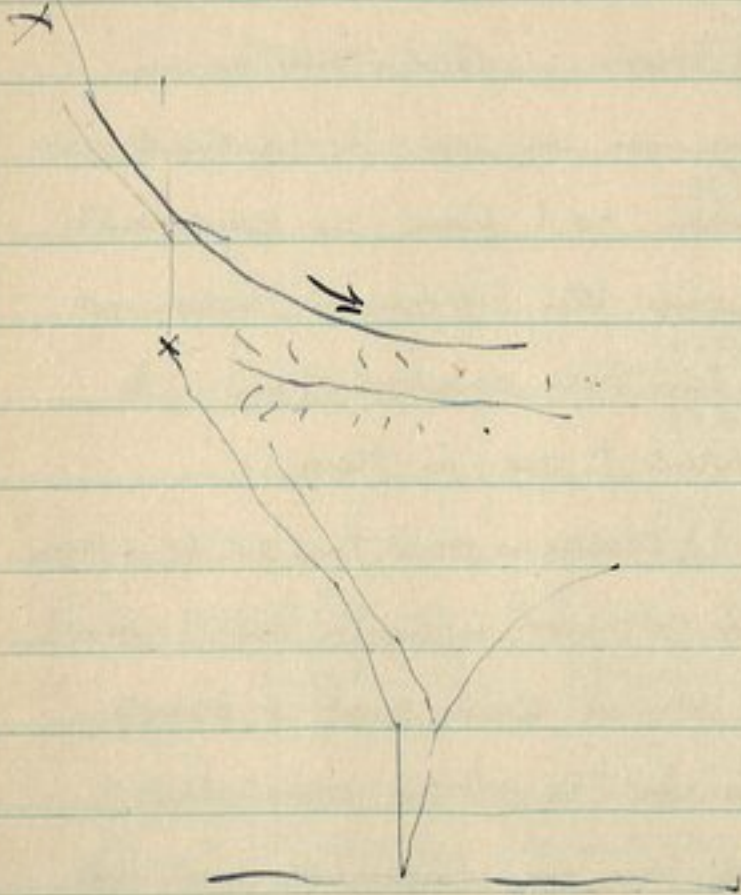
of the thrushes hatched in after at Shungphun, a greyish

head, brown back & primaries, & distinctly rufous on the

flanks: but I had no time to get a shot in. The

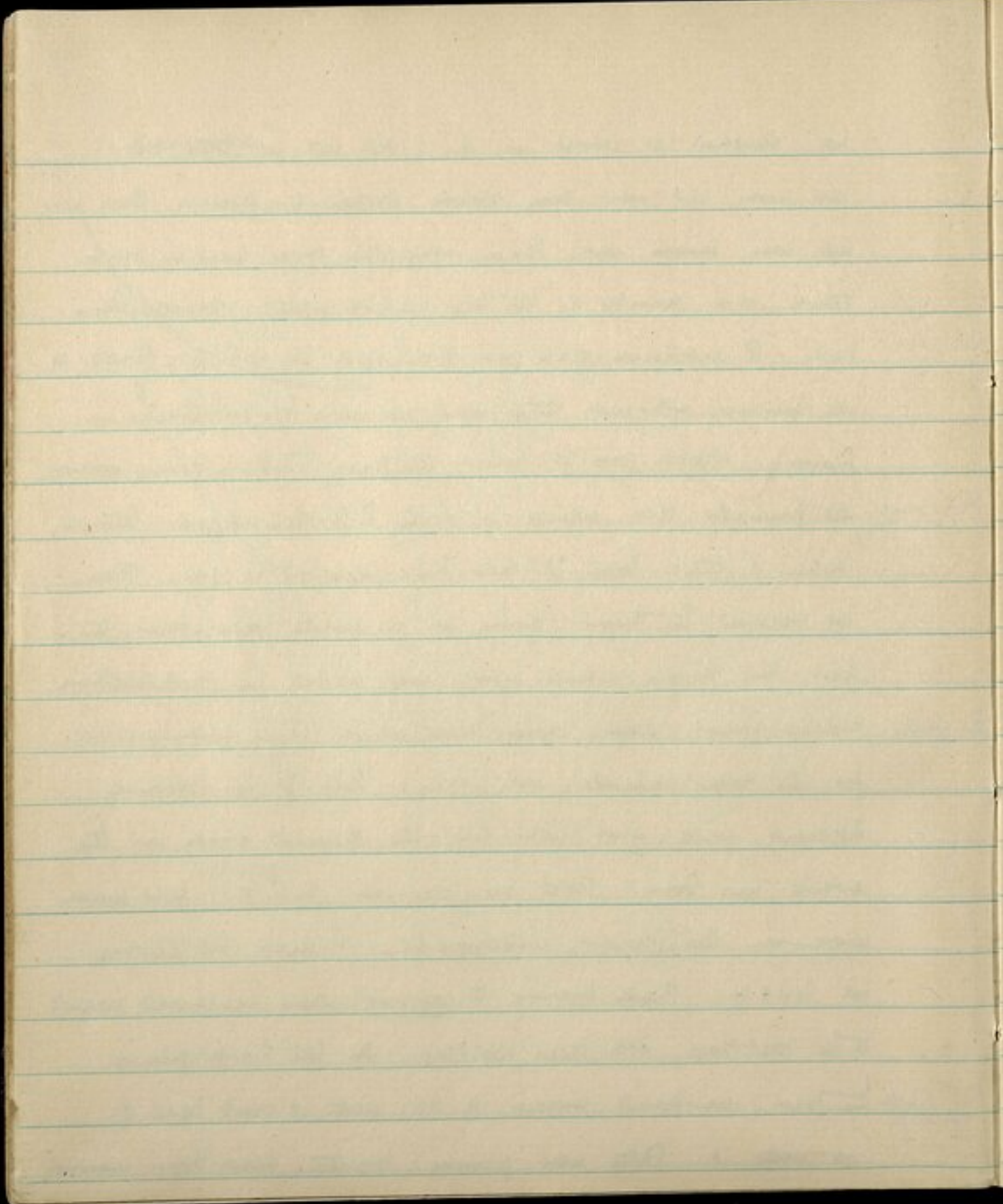
path leads up pretty steeply all the way to the Choling

X Serhina



See sketch p. 26

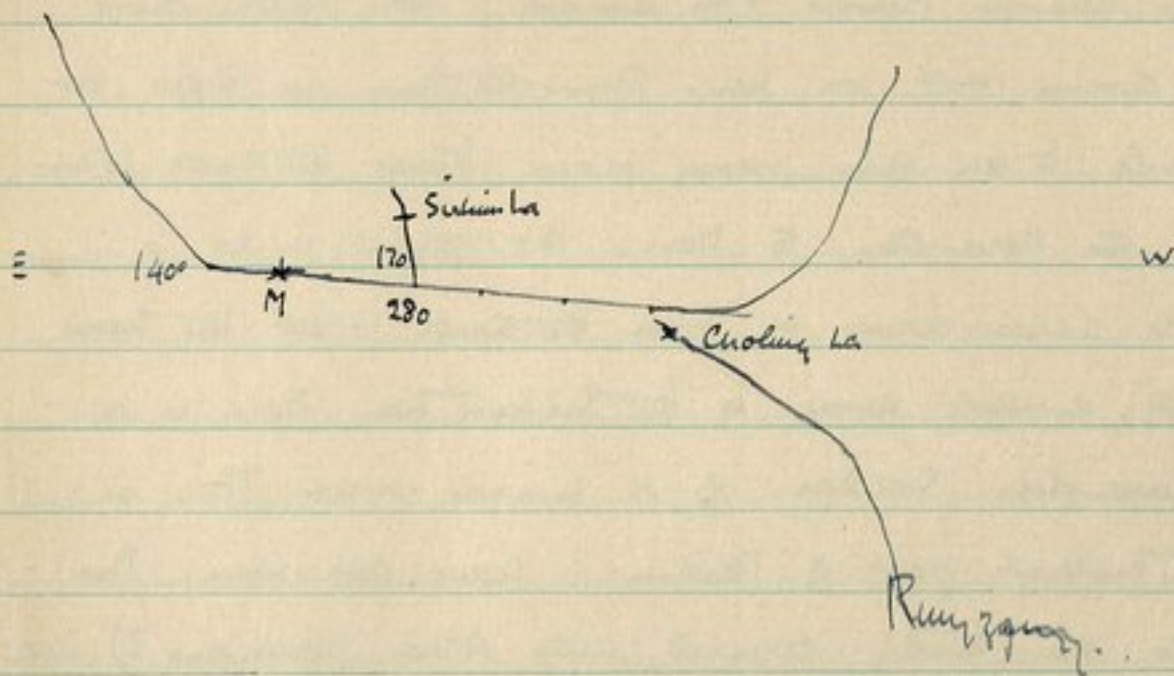
La reached at about m. 6. I did not get there till  
 12:0 noon, but went very slowly looking for flowers. There was  
 not very much out. Many magnolia trees were in bloom  
 though, and a number of the big pinkish white rhododendron  
 Rhod. park <sup>1148</sup> 1148. R. arboreum gave out soon after it started. Rather to  
 my surprise & disgust there were no more rhododendrons in  
 flower. About 1000 ft below the pass Tendun came across  
 Prim. <sup>frank</sup> 1167 the primula 1167, which is likely P. Botschii again, though  
 higher I think than it has been recorded so far. Then  
 we reached the snow, going up a north face, and the  
 first big patch which was half melted in rhododendron  
 Prim. <sup>White</sup> 1166 <sup>varies</sup> forest, came across 1166, which I at first mistook  
 for the same primula, only blue. But it is obviously  
 different, with what looks like the opened stalk on the  
 outside low down. Both are farinose, but 1167 has much  
 more on the flower underneath. I make the Choling  
 La 11115 ft. Back bearing to approx where we started seemed  
 to be 302° Mag, & to Mera 100° Mag. On the South side of  
 Prim. <sup>White</sup> <sup>frank</sup> 1167 the pass, we found masses of 1167 with a good deal of  
 1166 with it. Both were growing together. lower down we only



P. White 1166 saw 1166 in flower and very much of it. We are too high here for flowers, this afraid I was rather cross at coming right on here. From the pass one drops for a mile to an open grassy plain, thence the path follows up the Mera Chu to Mera. At about 10 a little uala comes in from the south & at the head of it, a mile away, is the Sirkun ha. Mera is a village like Salden, of 60 houses or so. This is the prettiest part of Bhutan I have ever seen. The hills are thickly covered with Anies (Wetsteinia?) with a good deal of birch, juniper & birch. The valley is open, & there is excellent grazing.

Mera 10<sup>th</sup> March. 4 m. below Mera.. Camp. Yesterday evening a gale got up and held all night. The locals had built a village for us - 5 living huts, & three outhouses. Each of 4 huts had a covered passage behind, to its own private W.C. The roof was the usual wooden slats, held down by stones. But the wind was too much for it, & by 1230 today half the roofs had gone. As

Mr White there are no flowers but the blue primula 1166 to be seen



L<sup>a</sup> p. 25 - to Sakden - March 11, 12, 13, 14

28

Secured Regulus regulus sikkimensis - March 11. First time L. has seen Gold Crest in Sikkim.  
 Sakden bird shot on Oct forest. One at Pambri La - 6 Sept shot in fir forest; one at Kuyinpu (6000) in birch forest. Chungka bird (11 do) in a Pinus waltonensis plantation. On 20 April got a bird at 12000 Shika in buckthorn jungle on a very Tibetan plateau. So the Himalayan Gold Crest is very far to the east of habitat - see Ibis 1904

P. White 12-15 grassy 12-16. 1 acridid 26. - 27-28

up there, I moved down to a camp about 4 miles below Mera. There the wind is not so bad, & there is no dust. But I fear I won't get much even here. The only

*Prun. penniculata* 1171

"*repandens*" 1172

sign of plants, were *Uecondopsis*, which of course is not *P. whitei* in flower. This was seen in several places. *Prun. penniculata*

is a little gentian. As far as I can see, the Mera valley here runs pretty well E & W, giving a bearing from Mera to the Cholung La of about 280. The Surkim La is one mile

off the road at a bearing of 170°. Mera Chu comes from

about 140° N heading 1 mi above Mera, & again to the South

about 1 mile W of the Cholung La.

Mera

11<sup>th</sup> March. Halt Tsongpen, Tsenduk & I spent from 6:30 till 2 pm

working all over the hills for flowers. But we failed to find

*Prun. whitei* 1166 any flowers at all, having *Prunula* 1166, which is everywhere

where the snow is damp. I even saw it coming into flower

through the snow in places. The locals say it comes into

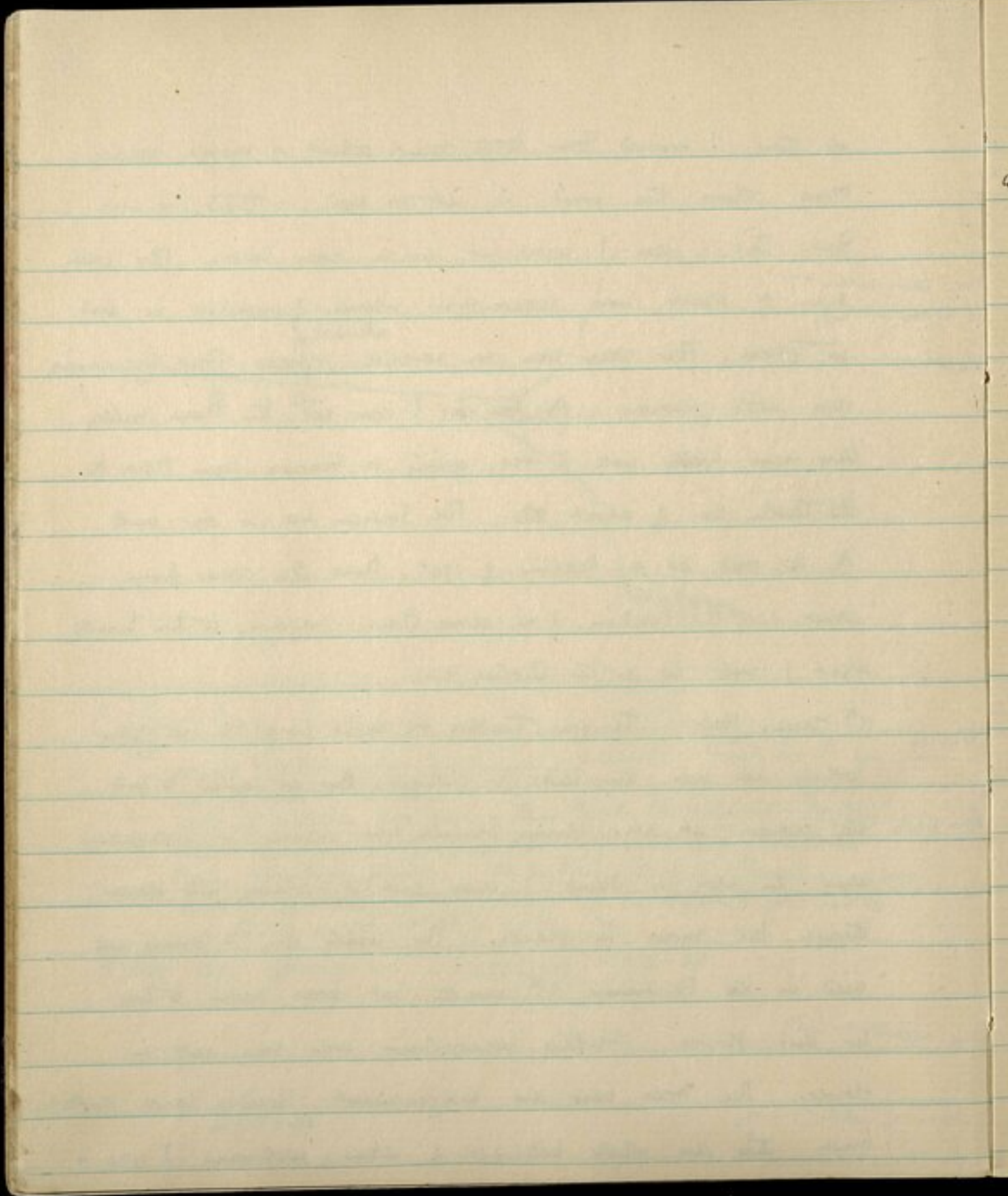
seed in the Bhutanese 9<sup>th</sup> month, but that seems to take

*Prun. repandens* 1172 for this flower. Another *Uecondopsis* was seen, not in

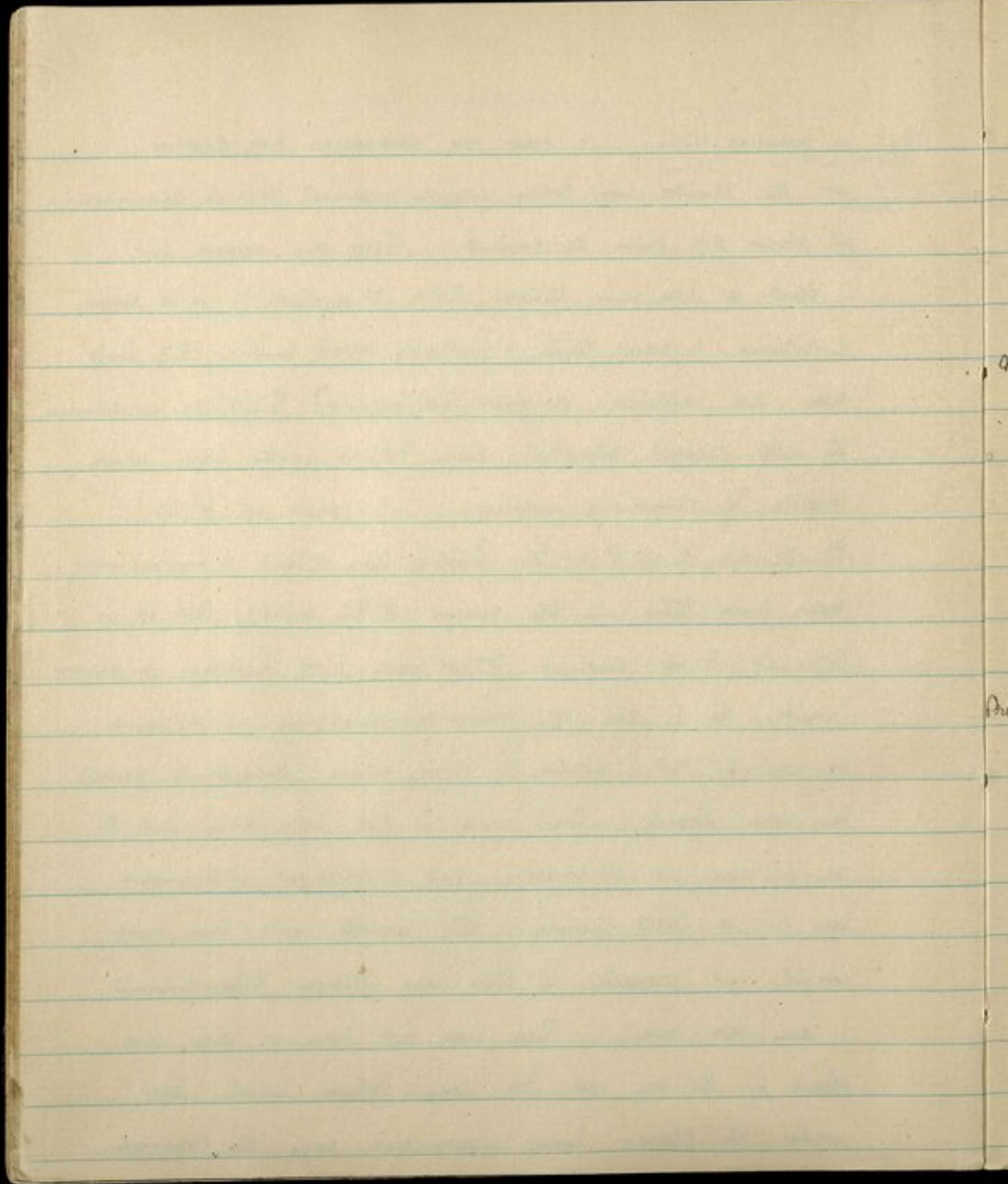
flower. The trees here are magnificent. Besides larch, rhododend

*Abies spectabilis* 1174

*Juniperus recurva* 1175 these are white hillsides of *abies* (*Westmannia*?) 1174.



20th Feb 1975 from *Juniperus recurva* 1175  
 1 saw one enormous tree of this  
 species 1174 Chöling La } today, which measured 20ft in circumference  
 coming while at the Munde ha }  
 hills. }  
 at about 5ft from the ground. Birds are scarce, but  
 I shot a laughing thrush today (*T. ocellata*?) & a snipe,  
 of which I saw three - probably wood snipe. Other birds  
 seen are affinis, a grass hill (affinis) *Pneopyga nepalensis*,  
 the little crested corvite, some juncos with lovely white  
 breasts, & obviously mating. I went up to the  
 Munde ha, 2 m E of the Chöling La, & had a magnificent  
 view from there of the snows to the north. But it is  
 difficult to see enough to get any good bearings on known  
 points. So I am off tomorrow morning up a high  
 pt. on the ridge north of Mera where everything should  
 be seen easily. The map is too hopelessly out to  
 be of any use whatever. Had I brought instruments  
 here for a little survey, they would have been most  
 useful, but useless if there are flowers to be found  
 I am too busy. There has not been a sign of a  
 cloud in the sky all day long. Snow levels that  
 makes the place. Local information says the Mera clim

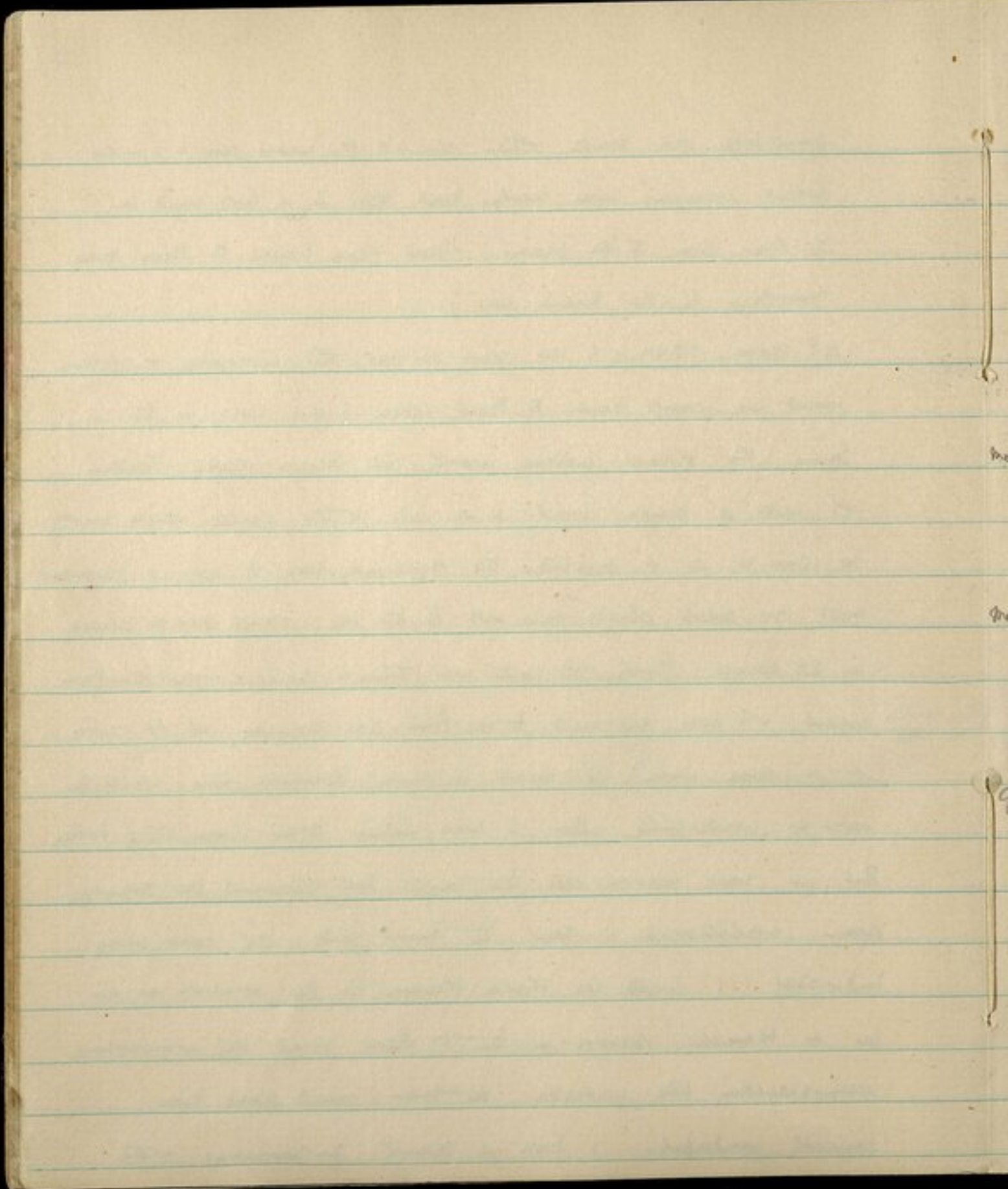


gradually from south then close to the Laori clim - 3 miles distant, emerging near Neoly. That there is a bad road by the Mera clim to the plains. A trail from Laori to Mera takes two days by the Siviin La.

Mera

12<sup>th</sup> March. MERA. I left camp at 545 this morning, & coolies moved my camp back to Mera where I am now in the Dyung, the village having nearly all blown away. Tenzin & I with a katpa went up a hill to the north, which must be 15000 ft, as it overlooks the Nyahsung La. It was a pleasant not too steep climb, we got to the top - about 4000 ft climb in 2 1/4 hours. Mostly the path was through cerifer - rhododendron forest, I was surprised to see Pinus, 1155 coming out at 13000 ft or even more. It must be very common here. Yesterday was so wonderfully clear, I was hoping to see everything today. But for some reason all the smoke had covered the country again, although I saw the snow hills, they were very indistinct. I could see Kula Kangri in the N.W. & as far as Namcha Barwa in the E. East. Had the atmosphere been sparkling like yesterday, the view would have been perfectly wonderful. I took a round of bearings & the

Pinus  
1155



results are comic as far as the map is concerned. Going up I saw nothing much of interest, but at the top was within from yards of a snow partridge (*Lerwa lerwa*). There was surprised to see butterflies out at that height. One was seen at the very top, & later on I caught 3 further down.

Here they are hatching out & quite common. There must be a fair sight of *Meconopsis* here in summer. *M. grandis* I saw in seed, & took some. Another with a winter stock of leaves was common, & the local saw it was white. It *Meconopsis* so it must be *M. superba*, & that would be very interesting,

as it has only been recorded from the one place in the Kyn la. I am pretty sure that this is *superba*, which

make arrangements to collect its seed. The little gentian

*Gentiana bryales* 1169

1169 is everywhere now, & looks very pretty when seen

massed together. The same finches as we got at Narin

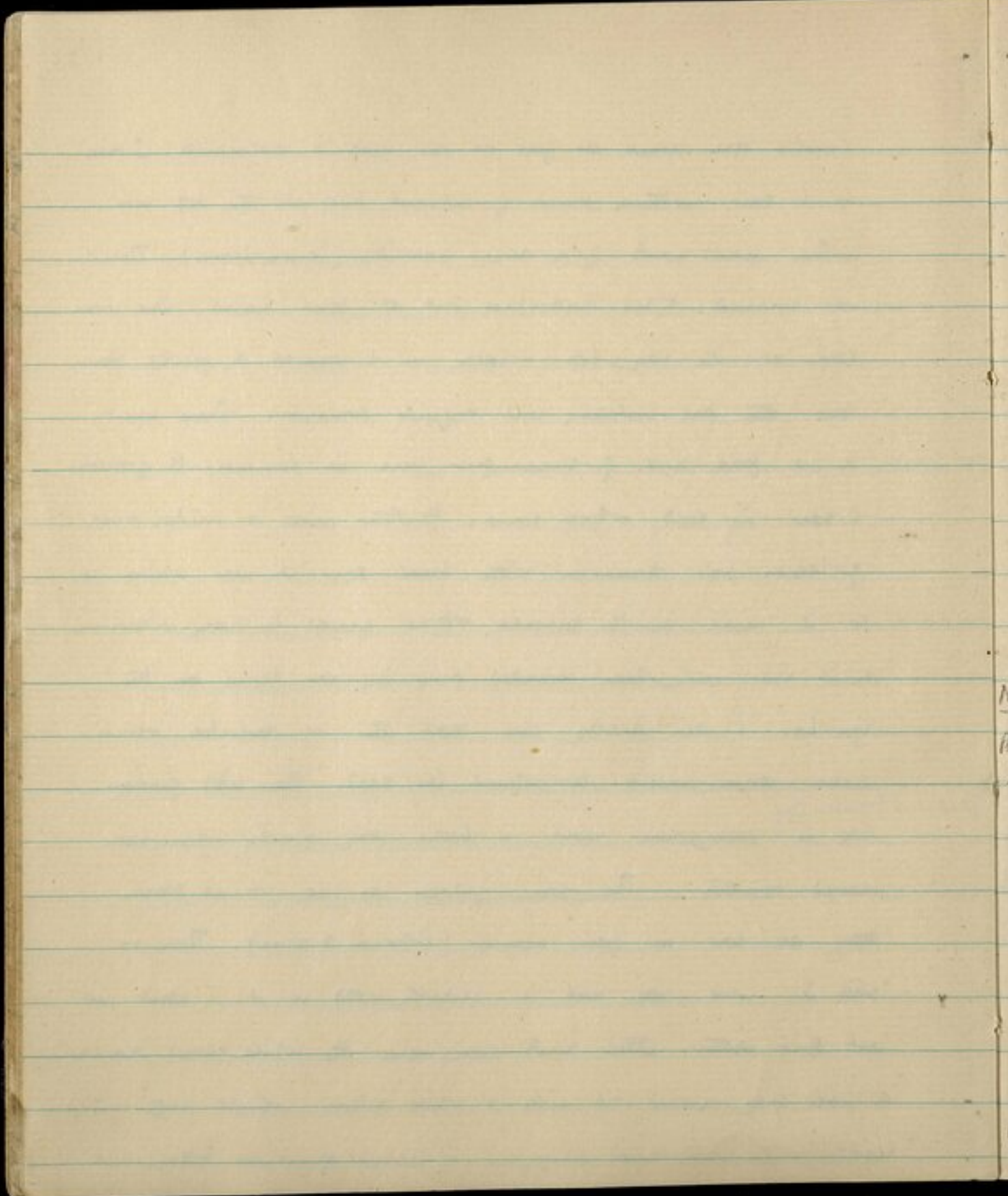
they are here in fair numbers (*Protonotaria b. thorne*). There is

still a wind here, & it is beastly cold in it. I can't get

out of it either. Other birds seen are the white necked blackbird,

a little grey crested tit, with a white collar, slight hump under

neck, & the red billed chough. I heard sparrow today, but



did not see them. Reading Cooper's article in the New Flora  
 & Silva, it appears that 1166 is a petiolaris primula. I have  
 taken three young buds, if they reach Traslising, alright,  
 I will send them off by air mail. The wind this evening  
 has died down completely, & the smoke from 'burning' has  
 come up over the hills everywhere, so that one can only  
 see a couple of miles. This morning I noticed the path  
 of smoke all over Bantouan, it must have risen to a height  
 of over 16000 ft, one of which the bigger snow peaks were  
 dimly seen.

13<sup>th</sup> March. Sandou. 10 miles. 2800'. I left at 6:0 am & took

Nyahsung La

two hours to reach the Nyahsung La. There was a lot  
 of snow on the path, which leads up a valley to the  
 north east just beyond Mera, then turns more north &  
 along a north face. The first two miles are fairly steep,  
 the next two easy & more level. A round of bearings  
 from the pass did not help to put Mera on the map  
 much. On the pass around about, I spent two or  
 three hours, looking for seeds of flowers. The primula is

*Prim. denticulata* 1176  
 " *capitata* 1177  
 " *fruticosa* 1178

*P. gracilis* 1178  
 interesting. It was in flower at 14000 ft. it continued

I rejoins L<sup>d</sup> at Sarden  
on March 13

Sakden 13<sup>th</sup> March.

*Prim. Whitei* 1215. *P. gracilipes* 1216

25

in flower down to about 12500, when it gave out, was replaced by 1166 again. I collected a bit of ground which had a lot of gentiana amoena on it. No seeds were left in the capsules, but they must be in the ground with the living sprouting roots. I will send them by air if the post leaves Trashigang on our arrival there. I have put it in a tin with a hundred or more leaves. Similarly I have tinned some of 1166. There was a lot of snow on the way down. I reached Sakden at 2:0 pm, to find Ludlow & Lumsden very fit. Ludlow had some good birds again, & flowers much the same as I collected.

14<sup>th</sup> March. Halted Sakden. I only went out for three or

Sakden

four hours this morning, & have been doing up seeds &

*Juncus recurvatus*

flowers since. Lumsden has been very busy with patients.

*Tunga brassica* 1180

*Rhus*

However he helped to cut my hair with clippers, & made a

*Camellia florana* 1181 1183

*Rad. arboris* 1182

good job of his first effort. Here there is the usual

village built for us, but Ludlow has added a fireplace

in the dining room. It is very fine & a great boon. It

is cold at night here. The temp. inside my room 3 ft

from the ground was 23° last night. The days are

Below Takhtoo

9.3.36

Deer

Road Maddeni 1204  
" Lindsey 1205  
" Graze 1208

Road Kendrickin 1206

Prin graze 1207

Takhtoo 10.3.36

Road Campbellton 1209  
May Campbell 120

very pleasant - a good wind & a hot sun.

15<sup>th</sup> Takhtov. A very easy march down hill to a pleasant  
 Rhododendron 1184  
 "arboreum 1185  
 "grande 1186  
 camp of the standard pattern, which is beginning to spoil  
 us badly. Moving very much on the way, but rhododendrons  
 are beginning to come out & a marked difference was  
 seen by Ludlow from the time he came up this way only  
 May Campbell's form or fine days ago. *Magnolia Campbellii* is in full  
 bloom still. It only has an altitude range of about  
 1000 - 1500 ft. *Prun. denticulata* (*erythrocarpa*?) is  
 everywhere, as is a red rhododendron rather like *arboreum*.  
 Bought a dog in Saidu, which is rapidly becoming  
 happy with us. He is a young Tibetan mastiff, for  
 which Rs 2/- would seem a small price at home.

16<sup>th</sup> March. Phungui. The smoke over Buntan is very  
 marked, & one can only see a mile or so each day.  
 The reason is that the rank old grass is now dry &  
 being burnt everywhere to allow young grass to come up.  
 It is horrible to see half burnt rhododendrons every where.  
 The North face of the valley is covered with a mixture of  
 trees, mostly evergreen, while the South face was today

Between  
Takhtov &  
Phungui

113

1<sup>st</sup> Box of Prints 19/3.

Infra colour iii rv 19/3.

Film Pack iii iv v 19/3.

Cine film iv rv 19/3

Kodachrome ii 19/3

L 29. Djaite  
Blauw rapier loontje  
Plein aan gylde stolpe

Levenswijze 1.29

170

almost entirely conifer - either *Pinus nepalense* or *P.*

*longifolia*. A very beautiful prunus tree was seen  
*Prunus cerasoides* var *magnifica* 1192  
in several places. It reaches a ht. of about 60 ft. &

its flowers are really beautiful. (1185). I took another

*Prun. gracilipes* 1188

" *fulva* 1189

*Prunella* from the waterfall. There seem to be two there,

*Rhod. cinnamomum* 1193

both pink. One has flowers which are deeply cut, & the

one I took today has almost entire petals.

17<sup>th</sup> March. Runggyung too. A short & uninteresting

*Eleagnis umbellata* 1196

march, but not very hot. Thunder is coming up & I

*Cassipourea sepium* 1197

fear we will soon have a bad storm. Lumsden has

*Hypericum jugoslavicum* 1198

more & more patients each day & must have seen 25

today.

18<sup>th</sup> March Trasluging. An uninteresting march with nothing

much to be seen. The bauhinias on the river banks are

fine. The dzongpen met us, & we spent most of the

day in packing up birds & flowers & getting off a big

mail in two bags. We had awful calculations about

the amount of butter, aka orice to take with us, & now have

I think 13 bags of rice & 3 of akka.

19<sup>th</sup> March GHORAKARA. Cross the river up up the R bank,

L. p 32. Gunkarah passua  
small monastery amongst some  
cliffs just above the monastery  
Gone Rimpooke is supposed to have  
fallen while he was on his way  
to Tibet.

2036 - L. p 23. Barung & Jelema, very  
67 relative. From camp the  
evening came on a dark fine rainy  
in different direction. Said to  
think of the Redoubt to the front  
W. Chawen

4772 54

BP	200.1	6319	6312
			11088
Temp.	22° 72'	1.0388	6312
			5049.6
			5049
			505
			<u>6872.50</u>

past our last year's camp at Tsingam. Very low & rather uninteresting, a few flowering trees & shrubs of a tropical kind being found only. On the west face, there is more vegetation than on the east, & nearly all trees are again

Pinin  
Pinin longifolia.

20<sup>th</sup> March. KING 1. 6 miles. B.P. 203.6 Temp. 67°. Ht approx. 4770

After getting to the bridge over the Trashinangpi river, the path climbs pretty steeply at first up the shoulder. It keeps above the R. bank of the Tawang Chu, low or more above it. The hillside is almost completely bare at this time of year, with some fields uncultivated. Some vegetation is passed in the cuttings.

The last two miles are approximately level. Above the path there are villages & a good deal of cultivation. This valley is like the Gauri Chu, in that there are many inhabitants.

113 The people are very inquisitive, having never seen any Europeans before. There seem to be a good number of Tibetans living in these villages.

21<sup>st</sup> March. Changpu. 4 miles. B.P. 200.1 Temp 72°. Ht approx 46872'

An absurdly small march. The path leads down from the small village of Kuni to a side vale with a small river.

Lind. p 34. Dyer the Pine-Capped Tit -

3658 ♂ *Aphalomyza flammeiceps saturatus* - a bird  
I have not before met with in Bhutan

L. ibis 245 - Met with in the lower Nyam Tang Chu Valley in  
1936 but not seen in this year so the specimen  
cannot be planted here

In Janna forest obtained a ♂ in the Pengyueh  
district which Reischek described as  
*C. f. olivacea*

2017 : 4910

10688

63 4910

19460

39180

393

5208927

L. p 35. We don't cross the river that separates us from the Nyam Tang Chu Valley  
The latter is massive & we could see the snow above Tawang near the Banta where  
we crossed in 1934. The boundary between Tibet & China was crossed just below our camp  
at Jangpho? It was just a dry watercourse. It is strange that such insignificant  
geographical landmarks should be used for boundaries. When there were on the Nyam Tang  
Chu they, for example, are available at a mile or so distant  
Pinto shot a woodpecker *Micropternis brachyurus phaeiceps* (L. ibis 364)  
is in the Nyam Tang Chu Valley I have an interesting penetration up the main  
Manas Valley well into the interior

Then steadily up, pretty steeply most of the way over a ridge to Changpu. There is some cultivation on the way, and a lot at Changpu. Here the vegetation is mostly rhododendron deciduous oak. I found a primula growing in a damp place close to camp, but no flowers to be seen. All had

*Pyram. pashia*  
1219  
*Michelia*  
*boltonia* 1220

been eaten by sheep & cows. Dawong for an interesting magnolia, new to us, 1220. Flower much smaller than *M. Campbellii*. It is above camp about 100 yards up from the path. We are in for a good deal of trouble now I fear. Marches seem to be restricted to 3 or 4 miles, and we are at the frontier tomorrow, where transport will be very uncertain.

22<sup>nd</sup> March. <sup>To</sup> Sanglung. 4 miles. B.P. 202.7° Temp. 63. Approx Ht. 5208'.

Road is down hill for  $\pm$  mile, crossed the frontier at an ~~very~~ insignificant side wala, then climbs gradually to a ridge where at  $\approx$  2 Below a small village is passed. Thence down hill, steeply in places, to a side wala & up to Sanglung on the other side. Inhabitant nearly all Kakpas, with some Tibetans. It rained a little last night, again today from midday onwards. No flowers seen but an acacia

Lib. p. 36-36.

Tibetan system of 'Cair' - Cochin branch  
Good descrip. of journey

6745  
1.0444  

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6745  
26980  
2698  
2698  

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7044478

*Abies stenifolia* 1222

tree just before reaching here (1222). From now on transport must be changed at villages. Tomorrow we change twice on the way to Karteng. The primula seen yesterday was

~~P. densiculata~~ the same as at Taktwo & Sander - *P. densiculata*.

23<sup>rd</sup> March. GYIPU. 7 miles. B.P. 199.3. Temp 52° Ht. approx 7044'

B.P. taken at 4.0 pm. Rather a trying day. We got all loads off by about 7.0 am, by which time the head of the snake of coolies must have reached the Myan Jang Lin. The road leads down to the river early, crosses by a bamboo bridge & ascends very steeply to Karteng, about 1500' up. There the coolies are changed. Thence down across a side stream & up again steeply to Sharteng where they are again changed. Then up steeply at first, then more or less level round the shoulder to Eiyin. The changing was really done very well, & only the last half dozen loads were left behind for which coolies had to be found. Piuho went off to Tawang, with presents to the Dzongpen. It clouded over all day, rained from 12.0 on. Snow is now low down at 9 or 10000 ft.

The Po'la was open 10 days ago, but must now have

L. p. 31 Tibala Springland - creek drainage

1989	612
50	<u>10577</u>
	1000
	32100
	21540
	40
	<u>55043</u>

NB

*Prin denticulata*

3 or 4 ft. of snow on it. *Prinula denticulata* is very common here again. I can't see much else, but in the jungle some way away there are flowering trees. The Nyain-sang Chu valley is very steep sided. Villages here are numerous & fairly big, all situated 2000 ft above the river. Hence the reason for going up & down all the time.

*Gyifu**Prin filipes* 1226  
*Rhod kanonensis* 1227

24<sup>th</sup> March. Halt Gyifu. A lovely morning, with no clouds, but 2.0 pm, it was clouded over. No rain here, but some up the valley. I went up through the jungle, but saw nothing but a *Prinula* not in flower, a lot of *Magnolia Campbellii* & a *Rhododendron*. The main valley is precipitous most of the way up as far as we can see.

*P. denticulata*

*Prin. denticulata*? is everywhere, as at Takhtoo.

25<sup>th</sup> March. SHAKTI. 3P. 139.9. Temp. 53°. 5.5 pm. Approx. alt. 6790 ft.

The usual march, round a few ridges, down 1500 ft up about the same again, across a side valley etc. There is not much difference in this place & in Gyifu. Flowers are few & far between. I have never seen so many *Lilium giganteum* as there are in nearly all damp places, with

*Lilium giganteum*

25 March - 26 March Negytem (24 hrs) Nyughe 6/3  
26 Aug.  
Lis. p. 39. be grandaughing through  
newborn collection Trochalopteron  
subunicostis subunicostis

In the 'Fauna' the outer webs of the  
primaries are said to be grey, 149?  
but in freshly killed specimens they are  
pale yellow.

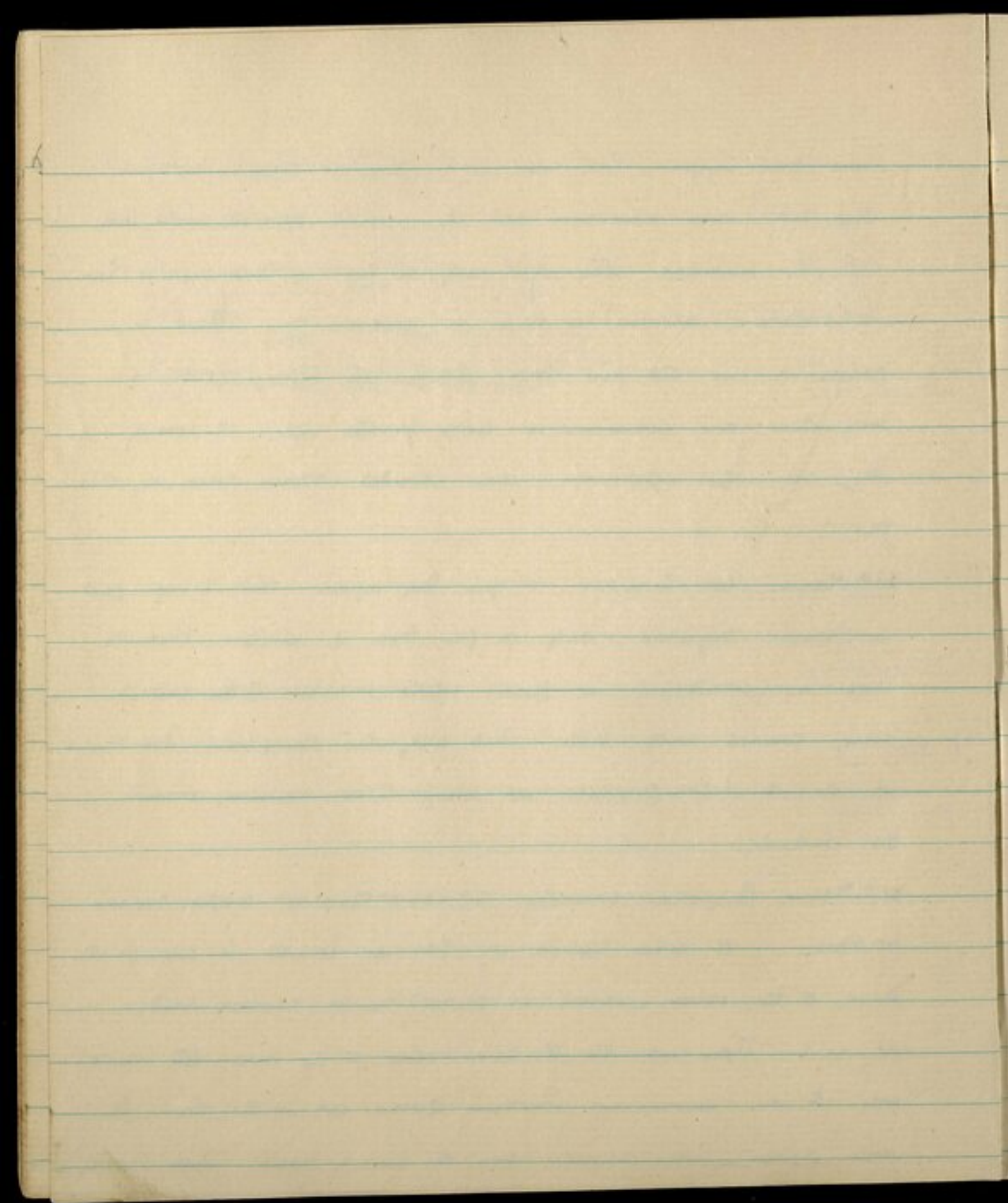
Seen on large rocks in the Nyan Jang Can valley.  
A lone bird, not so noisy as malgobula.  
Occurs both in thick forest & in open areas.

6474  
10751  
6474  
45318  
32370  
324  
696279  
6963

here at Ayipon. They were first seen at Kini, but on this side one sometimes sees the ground covered with them. At the moment there are only a foot or two high. *Prim. debiculata* (Tablutoo) is here in masses too. There is a *Pinus* patch of fine old pine trees above the village (1231) - *wallichiana* 1231 magnolias are common a little further up. A lovely day till the afternoon, then clouded & some rain by 5:30 pm.

Shakti 26<sup>th</sup> March. Halt Shakti. A fine day again. But I can find no flowers anywhere, only a few trees of interest. *Primula* *Prin. debiculata* 1202 is wonderful in places, whole stretches of the hillside *mag. being* covered with them. And *magnolia Campbellii* too shows *Chapelle* up as a belt of white at about 8500, running round *Juniperus recurva* the hillside.

To  
27<sup>th</sup> March. Pangchen. 10 miles. B.P. 199.8° Temp. 66° 3:0 pm. Approx. ht. 6963'. A better march as far as length is concerned. Down to the river, which is crossed by a bamboo bridge at m 2. Then up the R. bank, close to the river the whole way to an enormous Chorten Qona at m 8. Cross the river again just above here to the L bank. Then sharply



up where an old landside has made a breach in the valley. At m 9. the valley opens out & there is a plain about 2 miles long & at most 500' across. Got a *Jasminum* <sup>*officinense*</sup> *officinense* & *Loucheira* at the first bamboo bridge 1238 & a few other shrubs of not much interest. *Prim* <sup>*graciliflora*</sup> *Boothii* was still just in flower at the waterfall beside the Chorken, but nearly over. This must be the place that Kingdon ward took it from. I saw it at no other waterfalls today.

This place is lower than I had hoped. Most flowers are probably above 10000 or below 6000 just now. *Magurua*

*Mag. Campbellii*  
*Syagrus*  
*Thunbergia*

*Campbellii* trees make a white line along the hillsides between about 7500 - 8500 or a little higher. There are a fine lot of pines here. The N & S East face is more or less covered with them right down to camp.

28<sup>th</sup> March. Halt Pangchen. Nothing found today but a

*Agrostis hookeriana* 1245  
*Dactyloctenium* & *P. Boothii* <sup>*P. graciliflora*</sup> again, above Pangchen to the East.  
*Makonia sidneyi* sp. nov. 1247

Ticks are now becoming a curse, & I found myself covered with them several times this morning when in bamboo forest among ferns. We have decided this place is no good, will go on as soon as possible. <sup>But had to stay on "2" all day.</sup>

2<sup>nd</sup> April Pangelan

*Gentiana maculata* -

1263.

Sent. *Glabrescens* 1264

Rho Lindley 1266 1269

Pangchen 31 March. *Clonatis montana* 1250. *Rhod. edgeworthii* 1251  
*Rhod. epapillatum* 1252

LTD ill at

Pangchen 1<sup>st</sup> April. Halc. Ludlow & I have spent the last three days

in bed with some kind of a fever & a most awful throat.

I have no idea what it was or why we got it. The throat has by no means gone yet, but fever nearly has.

Dawson has searched round about, but has not found

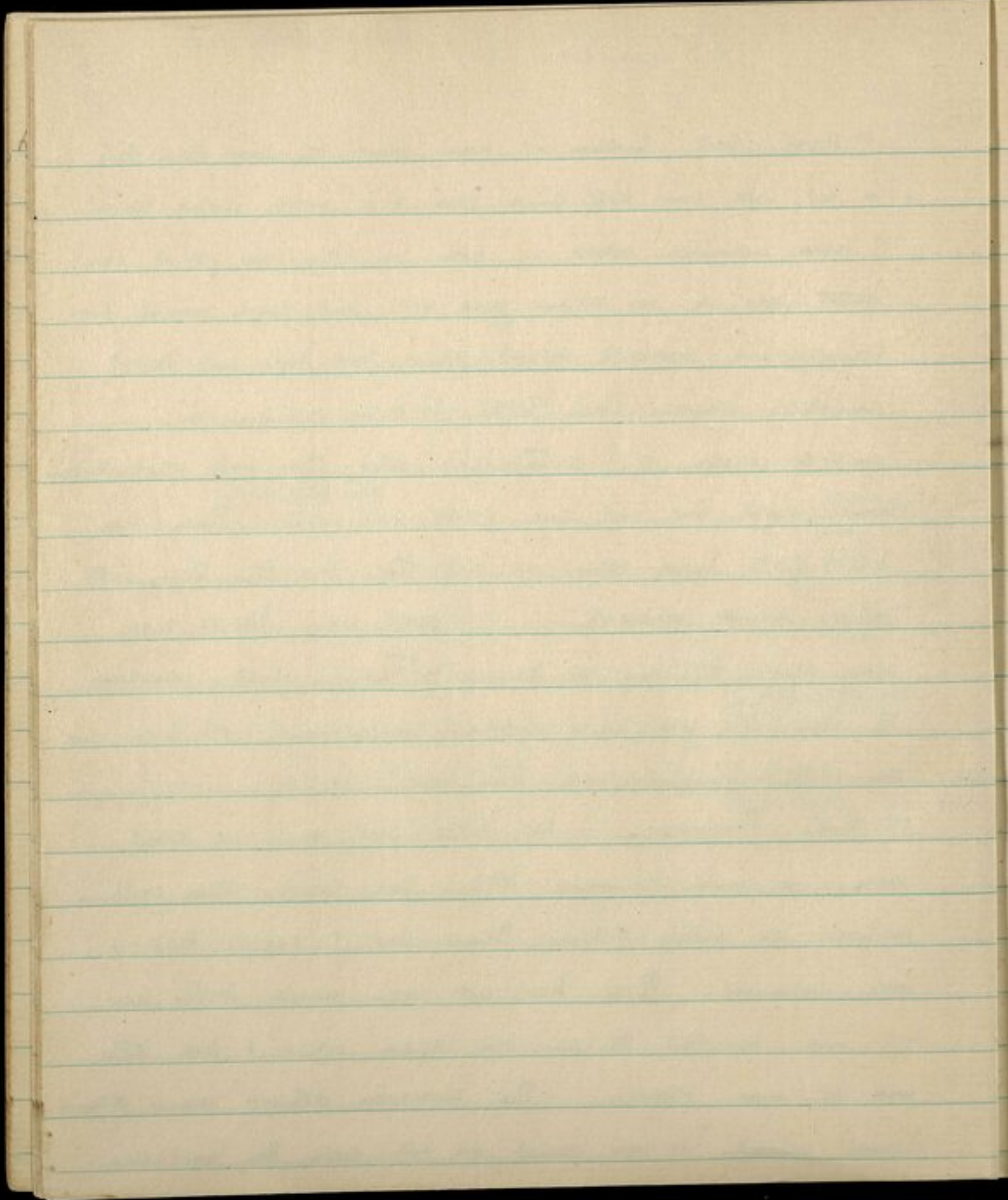
*P. gracile* anything much. Prim. *Bostaii* is pretty common in suitable places, & *P. erythrocarpa* also. One nice *Rhododendron*

*Rhod. epapillatum* was found, but only one flower out, 1252. There has

been quite heavy rain on & off these last three days, with *Rhod. epapillatum*  
*Rhod. grande* 1258  
*Rhod. epapillatum* 1260  
" *arborescens* 1261  
" *triflorum* 1262  
always bright intervals. Probably our throats have

been much the same as Dawson & Thompson had. Whatever they are, they are most extremely unpleasant, & I hope we are both finished with them now.

3<sup>rd</sup> April. Pangchen. We both feel as if we could make a move tomorrow though very weak. When walking we have the feeling of being drunk, but I suppose that is only weakness. There has not been much to do here, & I wish he had to get on again when I feel there will be more flowers. The monsoon almost seems to have arrived already. It has rained on & off every day we have



been here. Today we went + talked to some Tibetans, of whom there are a number. Mostly come from Tsara, + spent the spring here turning wooden bowls which they sell for 1 tangka. Some make snuff boxes too. Nearly everyone seems to have been to Tsari sometime, + a number of people say it is a good place for flowers.

Key.

Kingdon ward route was over the Tulum la a Pa la - Karta - Chayul - Tron - Drihung la - Charue - Sanga Choling - Cha la - Chosam - Chickhar - Nigytun - Bumba la, Kyinding to Pome + back much the same way. He says - the country E + N of Chayul Dz is very rich. I got an adequate idea of the vegetation throughout, but not of the flora. --- I suggest as good collecting places, the N face of the main Himalaya reached from a village on the right bank of the Lore Chu a few miles below Chayul Dz, just after crossing the bridge; + the west of Tsari, especially the valley on the south side of Taha Suiri. --- There is a beautiful new *Sibbiniensis Primula* on the Tanga la of which I did not get seed. I did get seed of the Karta viii, a fine blue *Dracocephalum* above

1975 51

7724

10422

7724

30896

1548

155

804995

L p 15 The view was a poor one on the whole. In rounding precipitous rock faced  
has frequently built up a wooden parapet. Therefore it was erected a Stone  
Causeways. — R. L. Lending 1869. 7 May complete

Sanga Choling, Adonis at Chisam and several other plants. I got no gentians nor seed of cyananthus Wardii which is abundant above Sanga Choling. - - - I was in Tsari for a week in July and a bar week in September."

4<sup>th</sup> April. <sup>To</sup> Le. 9 miles. BP. 197.5° Temp. 51. Time 4:30 pm. Ht. 8050'.

Quite a good day, but very wet from 10:30 on. The monsoon seems definitely to have begun in earnest. Coolis different to get, some had not arrived by 7:0 pm. The finest

Rhododendron flower seen was a rhododendron 1269, about  $\frac{1}{2}$  m above the bridge at the top end of the Pangchen plain.

It really is a grand flower & sweet smelling as well.

More <sup>f. gracilepis</sup> of *Boottii* also seen at lower waterfalls. At one, beside the second bridge, it must have been a wonderful sight a month ago, but is all over now.

The path is good the worse way, but built up on jalkerin here & there over the river. But it is well built even where, a lot in bad repair. Only a few houses here. Rhododendrons not numerous, but

*magasha campbellii*  
magnolias are a wonderful sight just above us here.

Li. 46. *Acrida* found Rose Kuda  
 Corina I also saw a pair of magpies  
 (*Pica p. bottanensis*) just below Treno  
 it is well south of the main range  
 Li ibis 65. There can be no doubt that the

1945. 9371

S.P.

10422

9371

37484

18742

1874

9766.456

Tibetan magpie has occurred south of the  
 main range in certain favoured localities  
 in April 1936 Fagan in Kōrentai 1938  
 he collected it at Treno Tsepo in the  
 Nyam Yang Chu valley, 2. 1937 -  
 S. saw 3 or 4 pairs at Fyaka in  
 Bhutan the same locality in which  
 W. Puffin saw it in 1838 (ibis 1937)

p. 20

Kobachinone IV IV etc etc. Ibis 65

Line Kodan V

Fuchsloch vi vii - viii

Dufayesdon. V

8<sup>th</sup>

Li. ibis 68. Leps. 5<sup>th</sup> April 1937

*Aegithalos caedens* *corinensis* *caudata* - Tit.  
 for the first time. Occurring in the valley - Khatampa,  
 Lung, Niguyetan, Nido, Langpa Chu, Gyala,  
 Gyanda Ch.

Extremely abundant in S. Tibet in Holly Oak scrub, among brilliant  
 Conifer forest & bamboo thickets. It collects in  
 large flocks, as soon as the young birds are seen  
 flying. Nothing seems to be known about the  
 breeding of the Tit. I noted young birds in  
 the Song in late May. Found both in 1935  
 of the main range but appear to be more  
 plentiful in the inner zone to the north  
 than in the same forests in the  
 Southern slopes

see Ibis 69.

Li. 46. *Perdix* *altai* *nanus* *line*

The *Perdix* *altai* *nanus* *line* was magnificent

Le-Lepo

5<sup>th</sup> April. Lepo. B.P. 1945. Temp. 51°. Time 330 pm. Approx alt. 9766'. Needs to  
our surprise after an awfully wet day night the sun was  
absolutely clear this morning & the day up till about 230 perfect.

The march up the gorge is pretty. The sides of the valley are very  
rocky & steep with numerous waterfalls on either side. We crossed  
to the L bank at 12 and a waterfall just before the

P. gracilis bridge there was masses of P. Boothii. Before that, quite close to

P. latidifolia <sup>1278</sup> Le, there is a new primula 1278, very like P. erythrocarpa, but  
with a white eye. It varies in colour a good deal, in size  
& beauty. It extends up here too, where it is seen almost side  
by side with erythrocarpa. Elsewhere it was a small flowered

Rhododendron <sup>1279</sup> 1279. Various other red rhododendrons were seen on the  
Red. Kendrickii 1280 way. The locals seem quite friendly & willing to keep in every  
"arboreum" 1281  
"argyrolepis" 1282 This is an open plain 300' across, not unlike Pangchen.  
"thomsoni" 1283 way

Rain came on at 230 & hard at about 430 again. The hills  
are again all clothed in fir & pine, with a good deal of  
rhododendron lower down.

6<sup>th</sup> April. Halt at Lepo. It rained all night & rained all day  
today. A mail came in & I spent most of the day writing  
letters.

P. a  
P. v  
P. m  
P. n

P. a  
P. v  
P. m  
P. n

P. a

P. a

P. a  
P. v

7<sup>th</sup> April. Halt. Lepo. A lovely morning, Time up till about

9:00 pm. *P. albidulata* 1290  
*P. Whitei* 1291  
*P. macrophylla* 1257  
*P. gracilipes* 1292  
Damong went up the wala coming from the Chio Tso, found there *Primula* 1166 in masses; also some unopened specimens of *P. Boylei* (?) & another *primula* only in leaf. I

went up further with opposite camp, but only found the *P. albidulata* same *denticalata* like *primula* into the white eye. There are a number of *rhododendrons* out, mostly *barbatum* +

*Chomsoni*  
*P. barbatum* 1255 *Thomsoni*, & some others behind camp which are not yet in bloom. The hills are well covered with a mixture

*P. aciculata* of fir & pine *rhododendron*. The fir is a fine one 1286, growing to 100 ft or more. Mail will be sent off in the morning.

8<sup>th</sup> April. Halt. Lepo. Rain again nearly all day. I spent

the morning out, but found nothing of any interest, nor did Damong. *P. Brooksii* is in masses at most waterfalls, no a fine sight when bunched together in big patches as it is beside water which always splashes it. I took

*P. gracilipes* 1292 a very fine specimen, 1292. There is a good deal of *Larix griffithiana* 1295 larvae about, just coming out now. Saw a few pitail duck & *bumdea* had a swoot at them. There are

10422

10288

10422

20844

83376

8338

10722154

||| also large flocks of snow pigeon, out of which we have shot over 30, which does not seem to make any difference.

Trino

9<sup>th</sup> April. Trino. 5 miles. BP. 192.6° Temp. 45° Time 4:30pm Approx  
alt. 10722' Path up the R bank for 2 miles, quite good, then over a bridge & a pretty steep ascent, easing off the last mile to the village - consisting of a few scattered houses, & some cultivation. It rained hard all night, but cleared up & only drizzled during the day till 3:0 pm, when rain came on hard again. Ahmad

Sheikh has developed the same cough & fever as L. & I have had. Ignoring Leonard, I have given him 2 aspirin & 2 quinine 3 times a day. The cough is awfully hard & painful. Took one new rhododendron on the

*Rhod. wallichi* 1296  
*fulgens* 1297

way up, pinkish with rather a rounded leaf, & found a very nice one up here just in flower (1297). It also has a rounded leaf with heavy tomentum <sup>on the</sup> under surface.

*latroculata* 1276

Here primula 1278 is growing in masses up the little side

*Dehincata* 1299

valley. ? *Erythrocarpa* is also in masses in open marshy fields. But so far I have found nothing more.

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Trimo 10<sup>th</sup> April. Halt. Trimo. A fine day at last. I went up towards

P. atrodrake the Po La. with Chrysen. but found nothing more than 1278

1278

Prunella which is in profusion till we turned back. Then

Pri. <sup>strumosa</sup> found P. <sup>strumosa</sup> (1300) yellow form, coming up beside the snow.

1300

Dawson found nothing also, but Ludlow found some

Rhododendrons, some of which are very nice, especially a small

Rhododendron flowered one (1303). The sun shone the whole day till the

1303  
Wallichia 1302 1306  
argyrophloem 1304

1305 1307 1308  
1309  
it is promised by this evening. Two men went to Trona

today got over alright. I was all for starting tomorrow

morning, but Ludlow wants to wait, so do the coolies,

so we have decided to wait till the 12<sup>th</sup> & hope for the

best in the way of weather. The monsoon can't be here

yet, & there should be a break soon. There are some serow

here which feed in the fields & we got news of one yesterday. Humaden

walked down to 4000 ft shot it with a .22 - just like that. We

tell him it won't always be as easy as that.

Trimo 11<sup>th</sup> April. Halt. Another grand day. But we got nothing of interest

from flowers or birds. Humaden was told of a barking deer in  
Wallichiana

the crops this morning & tried to bag it to. But it went

203

T  
Q  
P  
P  
P

off before he got there. The locals will not eat meat of any of these wild animals, nor even hens, & are shocked at us eating pigeons. I asked if they eat honey, but they say they have to send that to the Dzongpen, who sells the bees wax & gives the remainder to cattle & mules. It looks as if we should have our clear day tomorrow alright. If so it will be very windy on top, & the sun on the snow will be pretty awful for everyone's eyes.

Tsona 12<sup>th</sup> April. <sup>To</sup> Tsona. 12 miles. 14500 ft. A long boring day. There was a little snow during the night, but it cleared up & for the pass was neither too sunny nor too windy - in fact as good as we could have. There was not very much snow either, little over a foot at the top with deep drifts. I saw no

*P. strimosa* near primulas. *P. obliqua* 1300 went up to about 14000, & *P. abrotanifolia* 1278 was beside the top at 15000 & is on this side too. Here the only flower seen is *Prim. pygmaeorum* a minute thing less than 1/2" across, but pretty too, growing very close to the grass which is close cropped by the sheep.

Near Tsona we came across grandala in flocks of up to

Lind. Nov 45. Breeding Duck waddled about in flat roofs of Tibetan houses  
 searching for nesting sites. Barn-headed geese were paired & Plover-headed  
 Gulls, fresh from the Indian plains, flew lazily over the semi-frozen lake.  
 Snow-cock checked from the low cliffs behind our camp, alone & feeding.  
 Tibetan Ravens were already feeding their young. Immense flocks of *Grus*  
 fed on the margins of the marshes.

186.8	13676
43	<u>10244</u>
	13676
	27352
	54704
	547
	<u>1400969</u>

Cine Kodak <del>Takara</del>	x VI	+ VII	}
Film Boehr	IX	+ X	}
Development	XI		

about 300 birds, + shot 8 without anyone being much the wiser. They are in perfect plumage. Tsuna is cold + dry, with the usual strong wind blowing all day but dying down at night. With a clear sky + bright sun though it is not too bad.

13<sup>th</sup> April Halt Tsuna. A perfect morning after pretty hard frost at night. Later on it clouded over + snow fell all evening from about 3.0pm. Very cold with a strong wind. Yaks promised for tomorrow night, but they want to go a different way to the way we want. A lot of bar headed geese, brantling + other ducks on the lake, also brown headed jacks + black necked crane. Very cold at night. I make B.P. here 186-8. Temp. 43° Time 1:0pm. Ht. 1400g'.

Tsuna 14<sup>th</sup> April. Halt. A dull day with mist in the morning but try to keep warm.

Tsuna 15<sup>th</sup> April. Halt. It started to snow in the afternoon + continued most of the night. There were three inches of fresh snow in the morning it was very cold. A man came up from Trashiqing with a present of rice for us from the Gyapen. We are using him to send off a mail tomorrow.

London April 15. 1852

The Brahmaing Duck was be laying in  
and the 3 loaves. They were long in the early  
morning inspecting nesting sites in hollows  
in the cliffs on the deserted houses near the  
Wong. The local people say that they found  
the young of the last. That one of the  
parents birds waits below to heat the  
fall. This was the same day when  
was later to die. at Singapore 10 years ago.  
It is apparently a true one.

B. 2.	186.4.	13903
		<u>1.0266</u>
Tomb.	44	13903
		27806
		83418
		<u>8342</u>
		1427282

185.2	14584
<del>52</del> 53.	<u>1.0266</u>
1230 pm.	14584
	58336
	87504
	<u>875</u>
	1526361

morning. It cleared up gradually & midday has been lovely, but there are still clouds about, & more snow to come. Yaks did not turn up, so we had to stay the day here again.

Tsona to Tye

16<sup>th</sup> April. Tye B.P. 156-4. Temp. 44° Time 4:00pm. Approx. hts. 14272 by An

absolutely perfect day, without a cloud in the morning, then some wonderful cumulus clouds later on. Yaks of course turned up late, & there was the usual unpleasant wrangle about money & all sorts of little things for which Tsona is famous. We finally got all but 12 yaks off at 11:00 am. The last bunch leaving some hours later. Road leads north over the plain, then into a valley beyond that which leads to Mago. An easy ascent for 3 miles to the pass, & a very gentle descent of another three miles on the north side. Lumsden tried his hand again at gazelle, but missed. In at 3:0 pm. Thang, our last year first halt beyond Tsona was under a mile down the valley we camped in. So I went down to see if I could find any blackbirds which were there last year. I did, & was led a hell of a chase by them, missing one once, & failing to get near any others. But I found &

182 cases  
93 horses

$$\begin{array}{r} 187 \quad 13563 \\ \quad \quad \underline{10311} \\ 46 \quad 13563 \\ \quad \quad 40689 \\ \quad \quad \quad 13563 \\ \quad \quad \quad \underline{1356} \\ 13984809 \end{array}$$

owl - Althene noctua ludlowi  
be bady with onto got no specimen early Tsona

44

I shot a small owl - ludlowi. Very cold at night & particularly clear.

Gyisum 17<sup>th</sup> April. Gyisum. 6 m. B.P. 185.2 Temp. 54° Time 1230 pm. Approx.

Alt. 15264. We left at 8.0 am in perfect weather with no sign of a cloud, which however came up two hours later with the wind. Lunsum again tried after breakfast & missed. I got up to within 50-60' of 3 gazelles, but did not shoot. Road leads up main stream for 2 miles, then branches off up the more Eastern of the two streams, climbing very gradually the whole way. There are 2 houses here, which may supply some wood. Goban available. Not such a cold day, owing to the clouds. I shot one blackbird today, a ♂. The temp. last night must have been down to about 10°F. Even the river was partly frozen, & all streams were frozen over. Lunsum is distressed because he has to keep his teeth in. If he puts them in a cup, they are frozen in solid in the morning - rather a problem.

Gyisum to Lorolö

18<sup>th</sup> Lorolö 7 m. B.P. 187° Temp. 46° Time 1.0 pm. Approx Alt. 13984. A

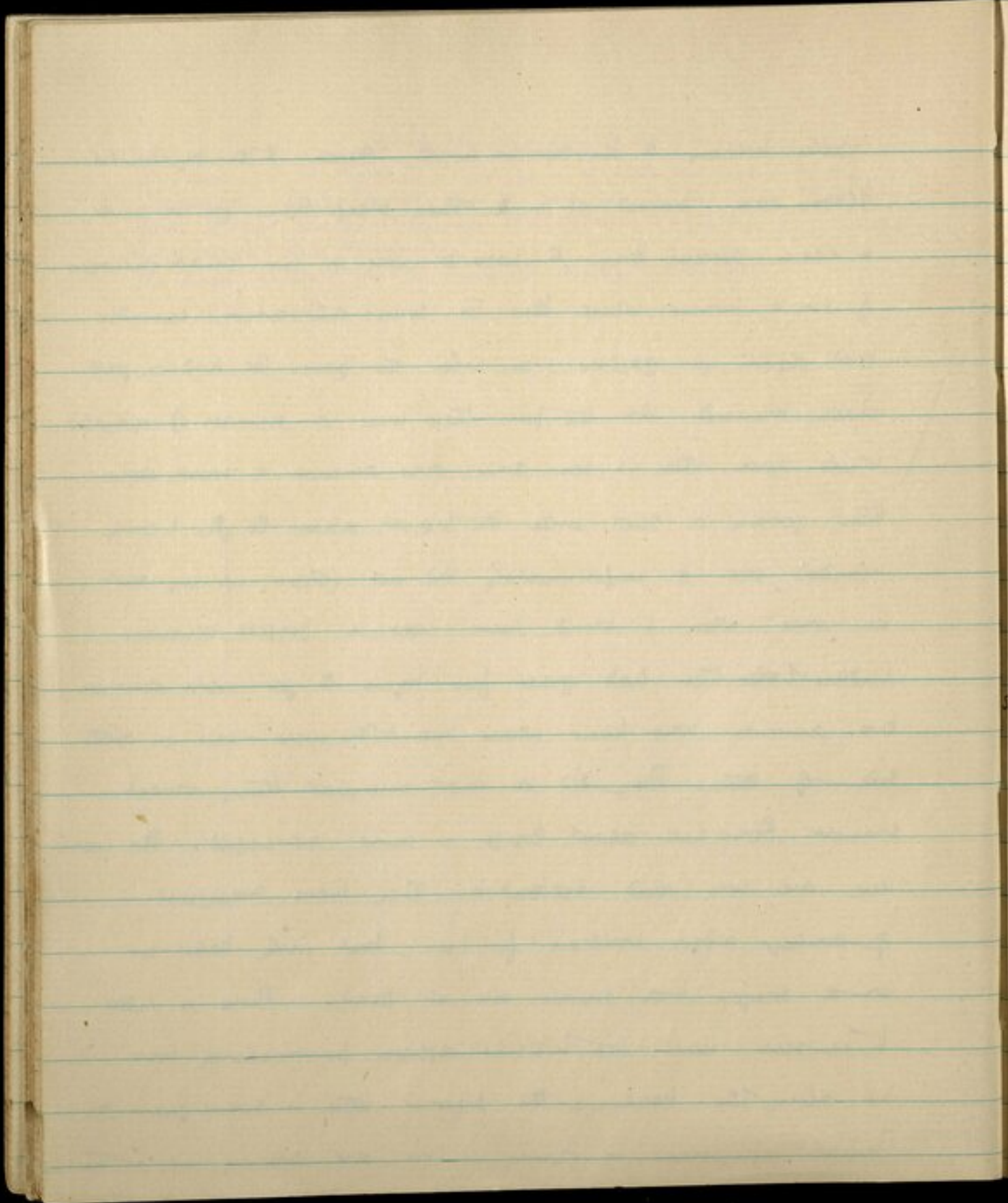
fine morning again, but hazy, & cloudy in the afternoon when we had some hail here. Road continues up the

Sept 25. . . . . The top of the Nyala da is only a few feet short of 17000.

The range to the Nyala da is situated in the water shed between the Meru & Subanseri. The day was hazy but we could see a short range to the SE. The peak W. might, or might not, have been Tak phisheri. On top of the pass we saw lots of Gazelle & Ovis ammon.

The country eastward from the Nyala da was very dry & barren.

valley, keeping to the left or north. Ascent to the Nyala La (16900') easy, passed at 11. Then steep down for a mile, & easier descent down to Loro to, one or two small villages of 3 or 4 houses, where there is some cultivation. Lumsden tried again for gazelle 1 m. below the pan. He had a good stalk, missed. At the pan there were a number of gazelle. While after them I saw some oris ammon & went after them, getting a shot with the 410 at about 80 yds. I only wounded one & unfortunately did not follow up my shot at once, when I would have had a perfect chance. Ludlow & I then had great fun trying to get near enough two ammon who knew where we both were - one on either side of them. They did a most unusual thing, went straight down hill about 800 ft or more, & escaped. The locals here are very kind & attentive. They have transport of donkeys & dogs waiting for us, but only take us on a stage, & a small one at that. There is little to be seen here: the hillside appear particularly bare, but along the banks of the stream there is some grass & *Prunella pygmaea* in flower. Iris are coming up & the



locals say they are white.

Jora 19<sup>th</sup> Jora 9 miles B.P. 189:67 Temp. 49° Time 4:30pm. Approx. h.t.:

A fine day, clouding over, with some hail in the afternoon.

*Dislides* 13/6 The iris, which we saw first yesterday, continued down the valley, & is here in flower in a few places. It does not appear new, & yet surely must be K. Ward's 'Karta' iris. I have a few seeds of last year, & will collect more in the autumn. The road goes down the valley the whole way, passing ruined villages & inhabited ones here & there & some cultivation. There is a bigish monastery here on about 300' above the right bank <sup>perched on a hill</sup> the right bank <sup>in a</sup> number of trees mostly poplar, which <sup>from bushy scrub (Hippocrepis)</sup> will soon be out. The sheep have an awful time. On the plateau at 15-16000' they have some gran which seems to do them pretty well. Down here there is no gran, & we see them in the fields, which have not yet been sown, scraping up the earth just like hens, to find some root coming up. How they live like that I don't know. And this is the lambing season, & most have already lambed. We shot 6 partridges on the way down. I saw quite a number. Here I think there is a *Ceratostigma*

NB

Dec 59 & Dec 77\*

another rare bird seen to the west  
but abundant everywhere in the field  
henceforth by Saint Louis  
sat all afternoon

1906

11536

10622

11536

69216

23072

23

1225353

To April - Iowa (also 20 April, 22 Ap. 24 Ap. 8 May 24 25 May)

26 July, 27 Sept

*Trochalopterus henrici* Henri's Langberg Thrush

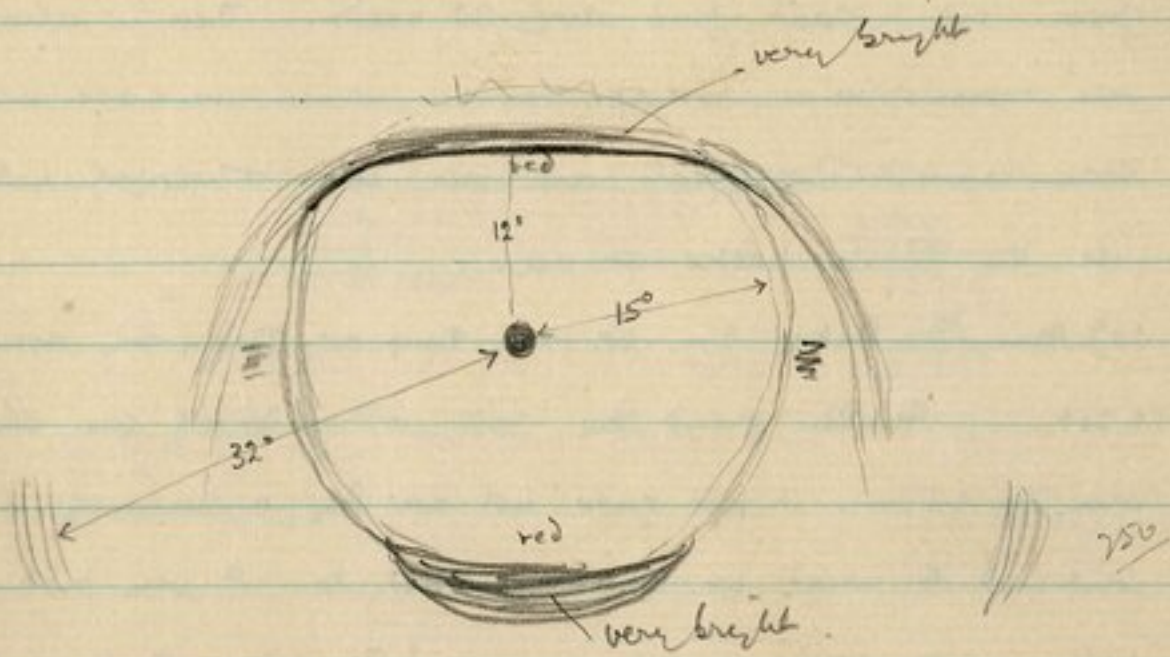
details in Dec 77

Under St. Louis

Group in County 5 miles to  
Traski Tongue where the  
Loro Nampo Chu joins the Loro  
Nampo Chu forming the Chapel  
River

or plumbago of some kind. I hope it may be that we found near Khakhang Dzong in 1933. It is just turning green, but I can't find any old seeds. There is also a new trocalopteron, perhaps Henrici, which we have not seen before. The locals are all nice, & helpful, not like the Tsoma people at all.

20<sup>th</sup> April. Tro Skika. 9 m. BP. 190.6 Temp. 60°. Time 4:0 pm. Approx. Ht. 12,253'. Another grand day, with a wonderful sky, clouding over by 3:0 pm. It felt quite hot all day, & certainly is compared to what we are now used to. A very picturesque valley, with ruins & villages on both sides. Quite a lot of cultivation at each place, some more trees, mostly poplar & willow, but now peach also. The ruins are said to have been caused by people from beyond the Lopas, who came up, mostly mounted, & plundered the whole valley a long time ago. The Dzongpen did not call but sent for our passport this morning. We sent Piuo back with it & told him to say that it was the duty of the Dzongpen to call first. Piuo came back with most apologetic messages. The result was



Dis-p. 61. Near here we much in width on the march especially  
 between Sanga Shika? & Chayel. Truly much like this  
 we saw at Lhakhang dzong in 1923 - an enormous beech  
 forest with several slender branches springing from the head.  
 The branches are very long & time widely leaved.

that whereas we should normally have changed transport  
 three times, we ~~only~~ did ~~to~~ not do so at all, but came  
 on 2 miles beyond the usual stage. This is a pretty  
 place with a fine view of the main range downstream.

There is quite a forest of buckthorn by our camp, &  
 some good birds in it. Yesterday I saw rather a  
 curious halo round the sun, shown opposite

21<sup>st</sup> April. <sup>To</sup> Chayul Dzong. B.P. <sup>See entry 23<sup>rd</sup> April</sup>  
 Temp. Time Approx.

ht. = 17 miles. We meant to go only to Sanga  
 Shika, which is about 11 miles, but the loads pushed us  
 on here. A perfect day again, but with a very strong  
 wind in the afternoon, straight up the valley as usual.  
 Road is quite good down the valley, which is pretty wide  
 with steep banks. Cross to R bank & change transport  
 at about m 45. Continue down R bank to Sanga  
 Shika at m 11, which is high up on R. bank. Thence  
 through more cultivation, among many peach trees  
 gradually down to the River which is crossed at m 15 &  
 path follows L bank to Chayul Dzong, where there is  
 considerable cultivation, but hills quite dry still, although

*in barley & wheat fields was 3-4 inches high*

Index No 45-46.

Characteristics birds of Chayul Dzong.

*Corvus corax tibetanus* The Tibetan Raven - Ibis 65  
 has been very scarce north of the main range  
 but was decidedly scarce in the lower reaches of  
 the Tsangpo below Lhasa.  
 Seen twice south of the main range  
 (a) at Trinn in the Ngam Yang Chu valley  
 at the foot of the Poda in April 1926  
 (b) at Kumpu in Sikkim at the foot of the Jelepda - Feb 1925  
 It is seen with the Jungle-Crow.

10588
10755
10588
74116
52940
529
11387.39

*Picea picea tibetana* Tibetan Magpie. - Ibis 65

*Trochalepteron henrici* Henri's Sparrow Langmuir, Ibis 77

*Parus major tibetanus* - Tit  
 very common indeed all down the Tsangpo valley, Ibis 67

*Prunella rubeculoides rubeculoides* - myiophila on the Tibetan Plateau Ibis 192

*Phylloscopus affinis* yellow warbler. Ibis 187-198.  
 occurs all down the Tsangpo as far as Gyala in the gorge, carefully  
 avoiding forest, keeping to low scrub growing on the sandy banks  
 of the river.

*Propasser pulcherrimus waltoni* Rose Finch. Ibis 352.  
 abundant in the upper reaches of the Subanari valley down the Tsangpo  
 from Tselang to Gyala in the gorge north of the main range. Common  
 also up the Gyanda Chu. Undoubtedly the commonest Rose Finch in S. Tibet  
 not plentiful at the lower elevations, esp. in the semi-dry areas where  
 the hill-sides are covered with *Quercus* etc.

*Carpodacus rubicilloides lucifer* Ibis 353  
 Common bird in the arid parts of Tibet, esp. where there are broad thorn thickets.  
 Common in the Tsangpo valley as far as Shagyari but not noticed east of  
 this locality, tho' it doubtless occurs as far as Yang Dzong.

*Perdix hodgsoniae hodgsoniae* Tibetan Partridge. Ibis 354.  
 seen near Tsong & down the Chayul Chu as far as Chayul Dzong  
 occurred on the Cho La - Benti La in Tsang & at Shirep above Sang Chiding

*L. strabus asiatica* Ibis 46.

signs of wetter zone are apparent. Owing to coming in so far we were rather late in arriving, but found a good camp, whose dust is the only drawback.

22<sup>nd</sup> April. Halt. Another grand day. The Dzungpen called on us, & we returned the call later on. He is a pleasant young lama, & out to help. We have decided to go on down to Lung & have four days or so there. One would think here, that there could be nothing down the valley, but it seems there is. All mention Kingdon Ward's visit last year. He seems to have some trouble wherever he goes, & so we have heard both here & at ~~B.~~ Jora. Peach blossom almost over here, & irises coming up well. Otherwise there is not much. The trees are mostly willow & poplar, with a great deal of buckthorn, which grows to big trees with a girth of 6 ft. The peaches also have large girths up to 10 or 12 ft, & are mostly pithed.

*Salix reticulata*  
1324  
*Populus ciliata*  
*Salix babingtonii*  
buckthorn  
peaches -  
*Prunus*

23<sup>rd</sup> Halt. B.P. 192.3° Temp. 66° Time 1130. Approx. Lt. 11387'

Another fine day: spent mostly in packing up flowers and

did. p. box. In 3 days to Long. The  
ground is difficult for the Chappell  
process to cut its way through the  
main canyon about 10 miles down.

10533  
10511  
10533  
51665  
10533  
1053  
11071236

birds in boxes ready for the post, which we do not expect for another fortnight. We are leaving here about half our kit. The Dzongpen has kindly arranged that coolies from here will go the whole way to Lung, stay there with us & return here. No one knows quite what this trip will be like. For birds - almost certainly good, for flowers it is difficult to say, whether <sup>Chayul Chid</sup> will be wet enough or not. I hope so.

Chayul Chid  
Kap.

24<sup>th</sup> April. <sup>To</sup> Kap. 6 m. B.P. 192.4° Temp. 55° Time 4.30 pm. Approx. alt. 11071  
(This alt. is about 200 ft above the river bed, beside the village). I left early with Tenduk, Danang, & Tsongpen, Ludlow & L. following later with the kit about 8.0 am. The Dzongpen, who has been so kind all along, seeing them off. Road down L bank for a mile then cross by bridge to R bank & at 2 pm pass Kumbha, where there is a good deal of cultivation. Then for 3 miles along the hillside passing several small villages, & at 5 is a deep gorge, <sup>only before reaching Kap</sup> beyond which is Kap, a small village, with cultivation. I went up the gorge to about 14000 ft, where I found rhododendrons & juniper in masses. The valley was dry, but obviously

Juniper  
Index 1329

194. 9646

66. 1.0622

400  $\frac{9646}{75876}$   
1929  
1042581

contained a great deal, should be thoroughly worth  
 visiting later. I saw *paraquilegia*, *meconopsis* (a  
 small one) 4 *primulas*, the seeds of one *Silphium*  
 one I collected a few of (1327). An *androsace* (1328) a few  
 seeds. *Gentians*, *saxifragas*, *rhododendrons* & many other  
 good looking things. A foul camp with an awful  
 wind & dust. Ahmad sneezed down with fever, I suppose  
 malaria again. Lumsden left the quinine behind, dash  
 him, but between us we can muster about 20 pills.  
 Birds interesting. The valley is normally wetter, but  
 is a dry one till the rains come. South face still  
 pretty bare even high up. Up this side valley I noticed  
 two water channels had been taken off the main stream.  
 The engineering reminded me furiously of Itunza. They must  
 have been a mile or two long & were for the most part  
 along cliff faces.

Chayul Chu  
 To  
 Tron

25<sup>th</sup> April. Tron 7 miles. B.P. 194°. Temp 60° Time 4:0 pm. Approach. 10426'.

Road easy, but along gullies keeping 100 ft or so above the river.  
 A m 1½ cross a side gorge by a bridge & at m 3 an old village  
 called Tenzika. Then level past several gorge side valleys to a

d p 66-67

$$\begin{array}{r} 9812 \\ 1.0444 \\ \hline 9812 \\ 39248 \\ 39248 \\ 3924 \\ \hline 10247.652 \end{array}$$

narrow cantilever bridge to the left bank. The bridge is a little higher up than it was in Bailey's time, & avoids the 400' ascent & descent he mentions. Cross the bridge at m 4 & down left bank for  $\pm$  m where a gorge comes in. Here there is a 30+ ladder, almost vertical, perched on a column of stones, well built & strong. The path winds up a little above this, & gradually down to the river side. Cross to R bank by a bridge, often washed away, at m 6. Proceed close to the river through scrubby & cultivation to Trun, small village at m 7. An interesting march, which reminds one very much of Baktiban with the path on gaheris & with ladders. Gorge of the river pretty narrow, & the side valleys come through absolute slits, only a few feet wide. Above us the hillside is covered with

*Picea labrifolium* 1341

pine 1344 + fir 1345, with a good deal of juniper. Nothing

*Picea spinulosa* 1345

much yet in the way of flowers, but a *Rhododendron* 1342

*And. vellereum* 1342

Some interesting ferns, especially 1340. Gooseberries are here

*Pteris dactylina* 1340

in plenty, just over the flowering stage. Trees are mostly peach,

willow & poplar, with huchthorn & other scrub.

To  
26<sup>th</sup> April. Natraumpa. 7 m. B.P. 1947 Temp. 52 Time 430 Approx. alt. 10247'

Fine. A most interesting day for both Ludlow & myself.

L. p. 68 In cam across Bear's Bulepui feeding  
on the buraya vegetation. The Sterup at 30°!  
At an encampment I saw for the first time  
and saw the Angam Jang Chen, the Junco  
Crow, the Whistling Thrush & the White-  
Capped Redstart.

Ind. p. 69-70. Caerula Lappas

The road keeps pretty high over the R bank, up & down, till about  
 m 3, when it is 800 ft or so above the valley bed. Here a ridge  
 is crossed, where the path used to go down a ladder. Two miles further  
 on a fair sized village is passed, called Dotrang. The path keeps  
 below this, crosses a small side stream, & leads on more or less  
 level for a while, then down hill to Natrampa. A good CG just  
 beyond. The jungle gradually becomes thicker & more wet  
 zone-like, till here it is just like Bhutan, on the N face,  
 but dry, except for small water courses, mostly with falls, where  
 vegetation is dense. On L bank at a waterfall I saw Rhododend.

Rhod. virgatum 1346  
 Rhod. albiflorum 1348

1346 a yellow Salweenensis primula 1348, while looking for

Parasylepsia anemoides 1350

There found a parasylepsia 1350 in flower. Kunzden found  
 one or two Rhods, a Pinho + Tsongpen came in with a  
 lovely mass of Rhods + a Diapensia, from the N. face  
 cliff. There is any amount of stuff here, so we stop  
 a day.

135.

Natrampa

27<sup>th</sup> April. Habit at Natrampa. A really good day. We went  
 out along the lung road to the first cascade, about a mile

downstream. There we found a most unusual red Rhododendron

Rhod. neriiflorum 1352

Rh. cinnabarinum var. purpurellum Rhod. triflorum 1353

1352, a beautiful mauve one 1354, & an unusual yellow one

Nebra 1892

April 29.

Rhododendrons

Yunnan SET, Ban. Tid. frontes -	neriflorum 1352
Yunnan. Tid. Ban. Tid. frontes	villosum 1353
Sik. Rhod. SET 16	concoloratum var
	berpandellum 1358
Sik. Rhod. SET 18.	glaucocephalum 1355
Sik. Rhod. SET 16	calabrum 1356
Yunnan SET 13. Ban. Tid. SET 18.	fulvum 1357
Yunnan. L. Ban. Ind. 175. frontes -	arizelum 1358
	86201, - populare 1359
	86201, Dekatanum 1360
Yunnan. Tid. frontes Banum.	megeratum 1361
Sik. Tid.	pumilum? 1362
SET. Rhod.	tsarucense 1364
	fr. no., Anandua 1365
Sik. Rhod.	virgatum 1366

196.1 65.

8490

1.0733

8490

59430

26470

265

9113.42

Rho. glaucophyllum 1355

1353. Also a small pink one 1355. Then we followed up the stream, which comes down in a series of waterfalls, as far as we could. Here, above us was an impenetrable cliff, with two streams coming down fine falls close together. This was an excellent place, as we found numerous rhododendrons,

Rho. fulvum 1357

Harizolum 1358

Some of which, 1358<sup>7</sup> and 1358<sup>3</sup> were particularly fine. This latter has a most striking leaf, covered with a thick bright rusty red indumentum. Also there was a great

Diapensia himalaica 1363

deal of *Diapensia himalaica* 1363<sup>20!</sup> carpeting the damp rocks, close to the waterfalls. We could not go far

either right or left, but this area should prove very good. We found a few plants of a nice little very

deep wine red primula only in bud, saw iris leaves coming up. It must have been a very small iris,

as the leaves looked stunted were only 2" high. The vegetation, besides rhododendrons, consists mostly of fir

& pine, with a good deal of bamboo & some fine larch, 1367.

I marked trees of 1352, 1353, 1354, + 1355 + 1357 with tin labels.

23<sup>rd</sup> April, LUNG. 7 miles. BP. 196.1 Temp 65° Time 1130 am. Ht. 9113'

Birds of the neighborhood of Leung. See also 46

The Pheasants in the neighborhood of Leung are extremely interesting & quite different from those of the Maner basin

- ✓ Lophophanes sclateri - Silalain's Pheasant - Ibis 376 - explains to Leung & Shavel - Lake  
near Maner
- ✓ Tragopan temminckii Temminck's Tragopan. Ibis 379. Maner, Maner Maner Maner
- ✓ Ithaginis cruentus kuseri <sup>Yung</sup> Kuseri Blood Pheasant Ibis 381 - Maner Maner Maner Maner
- ✓ Tetraophasis szechenyi Maner Ibis 382-3 - Maner Maner Maner Maner
- Crossoptilon crossoptilon harmani Ibis 377  
(Maner Horned Pheasant)

h. p. 71. Maner Maner Maner Maner  
Stachon Maner Maner  
as a Maner Maner  
any Maner Maner  
Maner Maner  
as Maner Maner

Luang April 28<sup>th</sup>

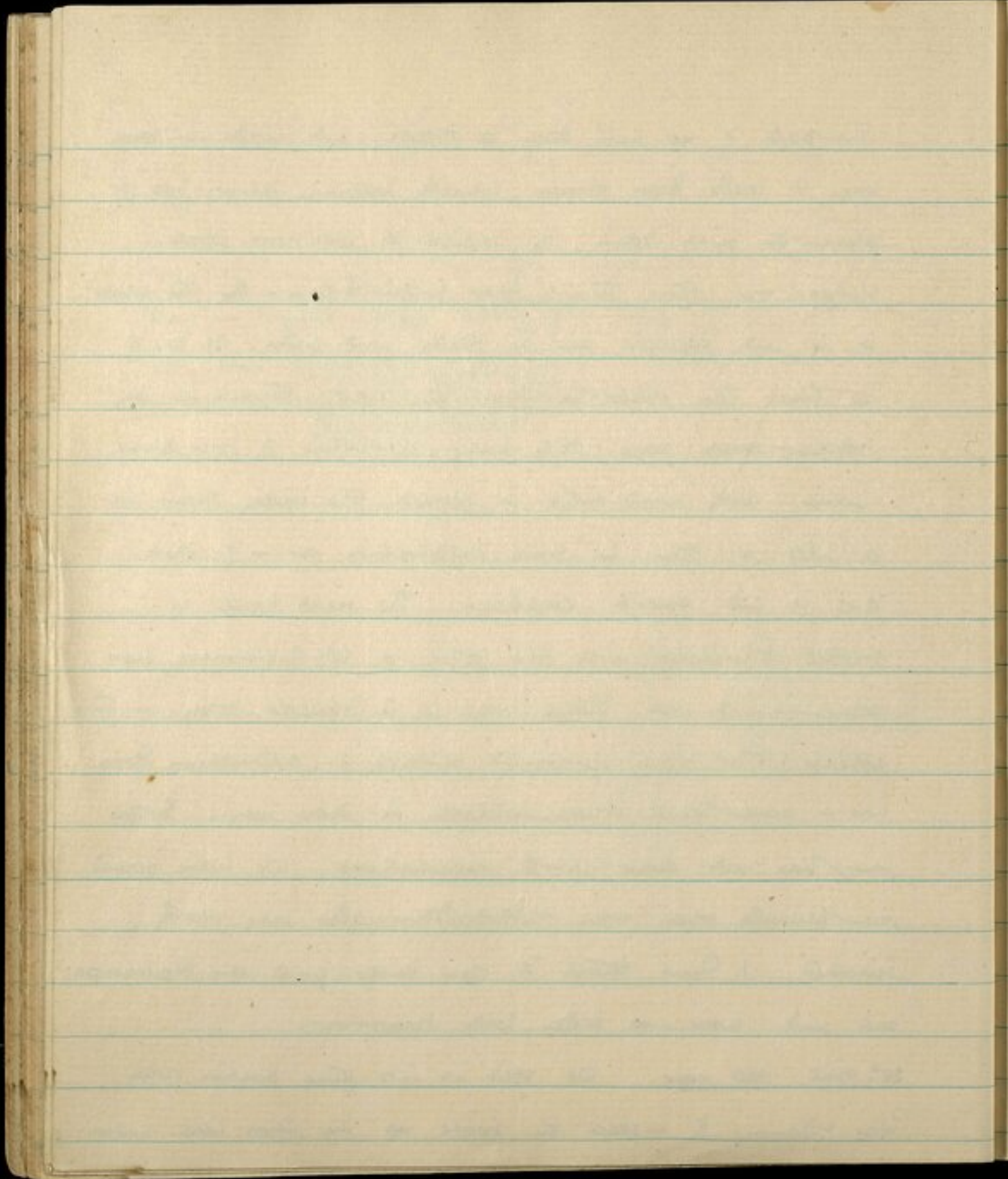
Paeonia lutea var. ludlowi 1376  
Pren. Whitei 1379  
Rhod. arizelum 1380

5

The path is no more than a track, not made in any way. It leads down stream, usually keeping about 300 ft above the right bank. In places it goes over rock slides, or then through forest of fir & pine. On the whole it is not difficult, as in pretty good order. At m. 5 the Char Chu comes in from the north, through a very narrow steep gorge. M 6 Lung, consisting of four stone houses, with wood roofs is passed. The valley opens out a little & there is some cultivation at m 7 where ca is good water excellent. The right bank is wooded throughout with pine & fir; a lot of stumping has been carried out, though why it is difficult to say, as there appears to be plenty of ground suitable for cultivation down here - more level & more suitable in every way. So far Lung has not come up to expectations. We have found one primula, over, some rhododendron also very nearly finished. I don't think it can be so good as Natampa, but will have a better look tomorrow.

29<sup>th</sup> April. Halt Lung. We split up into three parties today.

Pinto & Danong to inspect the route up the Char Chu; Ludlow



Lumsden + Tenduk up the valley South of being itself, +  
 Tsongpen suspect up a big valley to the South East of  
 camp. Puitso reports a climb of about 1500 through the  
 gorge of the Chan Chu very steep, and equally steep  
 descent again. Otherwise the route is supposed to be pretty  
 reasonable, but we have decided to go back to Chayul. It  
 seems silly to do so as Chayul is 11 miles from here,  
 will take us 8 days going back via Chayul. Ludlow  
 got some *Sutrova fulvifrons*, saw a good many *Rhododendron*  
 + some other flowers. I had an excellent day, and long  
 one. Left camp at 5.30 + got in just after 2.0 pm. The  
 first 1300 ft or so was up a burnt hillside, which helped  
 a lot. Then I was lucky in finding a *Lopa patra* through  
 the bamboo. This must I think eventually lead to a  
 pan, perhaps the Kuschungla. The jungle is pretty  
 dense, consisting of bamboo + *Rhododendron*, birch, fir  
 pine + larch. The fir looks like *Abies webbiana* again.  
 We found eight more *Rhododendrons*, some of which are  
 particularly fine. The prettiest I thought were 383 with  
 a <sup>*Rhod. fulvum*</sup> mainly spotted upper half, and bluish pink flower: a fine

Dung April 29.

Tulleia Fschonoski

1382.

- |                  |         |                       |      |        |
|------------------|---------|-----------------------|------|--------|
| Jan Esau.        | Rho.    | fulvum                | 1383 | 1384   |
| Sa. Rep to Blvd. |         | holzsonii             | 1385 |        |
| St Fichs.        | sp nov. | puderosum             | 1386 |        |
| St Fichs.        | sp nov. | erosum                | 1387 |        |
| Sit              | new     | lanatum var luciferum |      | 1389   |
|                  | sp nov. | shervillii            | 1390 | sp nov |
|                  | sp nov. | populare              | 1391 |        |
| St Fichs         |         | villereum             | 1392 |        |

big cluster of pale pink flowers, each on a long pedicel, a  
 a magenta patch at the base. <sup>Red hotpans</sup> 1385: an almost equally  
 big one, rather more pink when fully open. <sup>Red pedicels</sup> 1386: a  
 beautiful deep crimson <sup>Red crimson</sup> tree 1387, which looks like a  
*barratum* series, the most delicate of the lot <sup>Red Sherriff</sup> 1390, a  
 bell shaped flower, with umbels of 3 or 4 flowers, of a very  
 deep carmine color. We also found the <sup>P. whitei</sup> *primula* which  
 had been found, withered, near here. It was still in  
 full bloom at about 12500 ft, turned out to be our old  
 friend of Sanden & Mera, No 1166. I collected it under No.

<sup>P. whitei</sup> 1388. Very likely there are more flowers higher up, a  
 Daoung will go up tomorrow to see what he can find.  
 I also saw, just a fleeting glimpse, what I think  
 were tragopans, but could not get a shot at them.  
 There must be a good many about though, as I heard  
 them calling. One could stay here quite a long time,  
 but Tsari is our aim, so I think we should get  
 on there as soon as possible now. Tauduk found the  
 yellow *Sikkimensis* *primula* again, just a few specimens  
 etc.



30<sup>th</sup> April. Halt. I did not go out today, but sent Pinto & Daming up beyond where I reached yesterday. In the morning some Lepas arrived here with loads <sup>of beads</sup> going up to Trin. They were at first frightened, but soon became quite happy, & eventually allowed us to photograph them. They are Abors of some kind. Some had most wonderful head dresses on, made of fibre stained black, & falling down over the back. Others had the little neatly woven bamboo hat with a small spout at the back. It is used either as a hat or as a drinking cup - very neat. Others were very little indeed. Some were much bigger & stronger looking than others. The smaller ones cannot have been more than four feet high.

did not  
70-75

The route I was on yesterday leads to the Chupungka. Daming returned in the evening, but with no flowers at all - a great disappointment. I was sure something good would come from up there, but he could see nothing, except a primula or two which was just coming up. Today was fine again till the evening, when it rained a little, but nothing to worry about. <sup>Decided to return to Charpe and for the Char River to</sup> Charme.  
returned to

1<sup>st</sup> May. Natrampa. 7 m. Overcast, but no rain. Saw nothing

L. p. 76. a big avalanche had come off the mountain midway between  
deung & Natrampa. That reaches the river, it must have come from  
acrophlytes.

Natrampa,  
Kashang da May 2.

Adonis brevistylis 1540

sp. nov. - Rhod. croceum 1541

" fulvum 1542

on the way back here, except that rhododendrons have come on a good deal. And the fine yellow peony <sup>*Rhodod. lutea var. lutea* 1376</sup> is more in bloom too, & looks very handsome. I took a number of seeds from

Buga it today. I also noticed some fine Tsuga krummiana trees. Mostly the higher slopes seem to be covered with

Picea two firs, which I have collected under Nos. 1395. and <sup>*Picea spenciana*</sup>

Damong & Tenduk go up the hills to the South for the next two nights. The country looks good & should contain something worth while. There is a path leading from Dstrang to the Karshongha, on the South side of which they say there are many Lapas.

Pratampa

2<sup>nd</sup> May. Halt. Last night Damong sent back the first finds of

<sup>*Pae. calderana* 1396</sup> his excursion - a rhododendron, which I think we had seen before, and a primula. The latter is P. Rollei, one of the finest

there is to my mind. I have photographed it today, & made a most awful hash of my photographs, doing everything possible wrong that I could. However after ruining five precious films, I got a good one, & also of that queer little rhododendron,

<sup>*Rhod. glaucophylla* 1355</sup>  
No. 1355.

Piubo cut his leg rather badly the other day, & had to have a stitch in it, is pretty lame now. There are

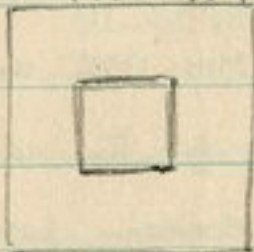
Back  $19\frac{3}{4}$ " □



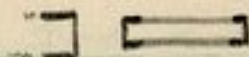
Sides ~~Side~~  $20$ " □ · Top  $20$ " □

One side to fold  $12$ "  
from top edge.

Front  $19\frac{3}{4}$ "



Box ht.    Extension  
↓            piece



Screw

Screw

many trees about here too. In the bamboo they seem to  
swarm. Luther got one on him yesterday, & when he  
got up in the night, he found it on the place where the  
wounded Britishman said to the kind old lady "if you'd been  
wounded where I was man, you wouldn't have been  
wounded at all." The lopa whose colour pants I took at  
Lung is a Ding Abar, others with white woollen clothes are  
called Giris. There is said to be a third tribe down the  
Subansiri, who are said to be the worst of the lot, who wear  
nothing but a loin covering of monkey skin.

3<sup>rd</sup> May. Trim 6 m. My birthday. Nothing much exciting.

Damong & Tenduk came back, but had nothing much except

*Anemone* 1540

a rather nice anemone 1540, and a rhododendron which

Red cross 1541. - of Nov

looks different 1541. He said there were primulas coming on,

*Asplenium* sp. 1538 with pink large solitary flowers

many rhododendrons too. He reports a large gumpa up

there, & beside it about 15 houses. The road there from

here is good, & must be much pleasanter than the low

*Lonicera xylosteum* 1543, 1544

one. Nothing much here. I found two *Loniceras* in

flower, & the *podophyllum* 1558, is really very pretty when out

in numbers. The little primula from Natraumpa collected

May 3.

L. Shot *Procniscus auroreus* - Redstart. See Ibis 183.

also found an empty nest of " " placed in a hole in a bank - a neat affair of moss & twigs lined with horse-hair. (Eggs, found June 1 are pale green with a ring of light brown spots at the broad end & a few elsewhere.)

Mem. Dickcane 1537

on 26<sup>th</sup> has nearly come to full bloom, so I photographed it & had it pressed. May it turn out to be a new one. Fine. Puito was asking news about the Lopas & came in with his little wife soon to tell us all about it. He described the various tribes & finished with the lowest of the low. These he said "have tails about 4 to 5 inches long." It was said in all seriousness, & he & all the Kashmiris of course, believe it. It was curious how all the Lopas, when let them look through the back end of the camera, at once recognized whoever was sitting in front. And he saw too that the image was upside down. A jingly Kashmiri would never see that, & I doubt even if our own servants would. The 'temple' which Dawson reported seeing on the way to the Kashongpa from Dotrang is an old Gumpa of considerable size. It used to be an important holy place, till looted by the Lopas. Even now, though it has no occupants, it is a place of pilgrimage. All the people in the District go there on the 15<sup>th</sup> of the 4<sup>th</sup> month (about the beginning of June) & make a circle of light lamps & so on. The marking of this on Bailey's map is the only mistake we

200

have found. He shows it below Lung on the way to the  
Chupung ha, whereas it is above Dotrang on the way to  
the Kashong ha.

4<sup>th</sup> May. <sup>To Kap. 7 miles. Fine. Some difficulty in getting the</sup>  
<sup>Tomkru - the tibeta mashff. - a wooden beam really (it)</sup>  
Dog Tumsun down the <sup>stone</sup> ladder today. He was eventually carried

on one man's shoulders, while Pinto came down next, holding  
a rope round Tumsun's neck, to keep his head up, so that he

<sup>1545</sup> could not bite the carrier. Currants in flower & pretty

numerous. The vines here are lovely, every spare inch  
covered with them.

<sup>1545</sup> We noticed the children ~~to~~ yesterday  
pulling the thick indumentum of the underside of a rhododendron  
leaf. They do this when the leaf is more or less dry, then

roll up the indumentum, which comes off in one piece, & sell

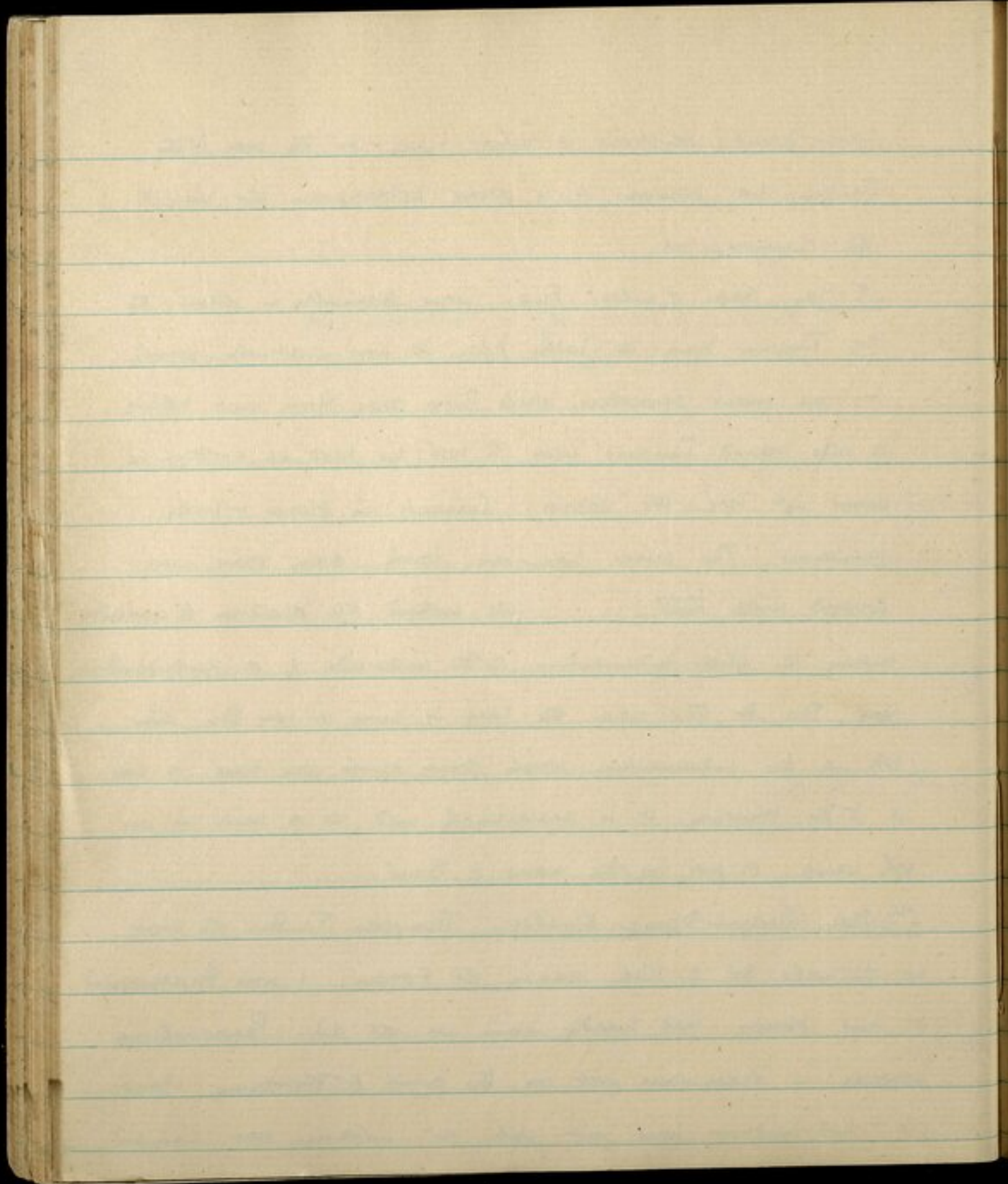
<sup>1545</sup> it to the treasury. It is extensively used as a wick in an  
oil lamp, & goes by the name of Banó.

5<sup>th</sup> May. Chayul Dzong. 6 miles. Tsongpen, Tendus & I went

up the nala SE of Kap, leaving at 5 o'clock. I was disappointed

to find flowers had hardly come on at all. <sup>Paraquelepa</sup> Paraquelepa  
however is everywhere just on the point of flowering. One or

two rhododendrons were just out, but nothing new. Camped



below the Dzong in a much nicer place than before. The  
 Dzongpen came to call & stayed an hour. He is a nice  
 man, very helpful. The rivers here are a wonderful  
 sight, & there are a few little *Primula tibetica* just coming  
 into flower (1551). When we were here last, I asked  
 the Dzongpen about old wooden tea pots. He however did not  
 know much about them, & never remembered seeing any.  
 When I arrived today, I found one on my table. He had  
 got it from the Gumpa. All he can tell me is they are very  
 old indeed, were used for tea by the monks, when they sat  
 out in a row for their food, & is made of walnut, of  
 which there are a few trees here.

Chayal Dzong

6<sup>15</sup> May. Halt. A lovely day. The Dzongpen came to lunch & stayed  
 a couple of hours. I think he enjoyed himself, but keeps to  
 his vows pretty strictly. He would eat no bacon, no eggs -  
 no chicken. But he took both cherry brandy & cognac, &  
 went off with a tin of cigarettes. He told us that Kariche  
 temple used to have 40 lamas, but that then became a bad  
 lot, married & on, & so the place was washed out. The Lupa  
 story is incorrect.

Kariche Temple

Les No 46

de la May 7

a new range like the other

Part of the eastern line No 78

$$\begin{array}{r} 11872 \\ 10371 \\ \hline 11872 \\ 35616 \\ 83104 \\ \hline 1239574 \end{array}$$

XX 5700' below the village.

To  
7<sup>th</sup> May. Gyandro. 12 m. A.P. 188.2. Temp. 54°. Time 3:30 pm. Ht. 13514'

Char Chu

A cloudy morning, followed by rain from 12.0 to 3.30 pm.  
Road leads up the Char Chu Route, an easy path, passing  
Sampa about m 4. Then a little higher up cross to the  
L bank across the small village of Nyering about m 8.  
Here turn up a side valley, which is steeper, past a  
ruined house where there is a little cultivation, go on  
to Gyandro, 1 house, & about 20-30 small fields of  
barley. The main Char Chu has pretty dry sides, this  
high up rhododendrons can be seen, some juniper.  
Up this side valley, the hills are obviously wetter &  
have quite a lot of grass on the N faces, while  
rhododendron & juniper is common a little higher than  
this. There are chrysolophus pheasant here, & a  
great number of partridge. Lushon M were out for  
some time, & both missed a partridge. Within 20'  
of each other a much deer - the same one, got up, but  
neither of us was loaded with anything but one small  
small cartridges.

Gyandro

To  
8<sup>th</sup> May. KYIMPU. 12 m. B.P. 190.0 Temp. 49° Time 4.0 pm. Ht. 12320'

L. p. 81 - 82 The pass chief (Le Sa) is a large wide  
pass or very narrow, over scanty trees.  
The eastern side which we were at 9th Dec

Then proceeded to look for flowers  
Near Kynipia we struck Rhod. in flower. They  
were magnificent. Kynipia has a lot of silver fir  
& Rhod. forest on the north facing slope. It  
evidently has a considerable rainfall.  
There are 3 or 4 hours but there have pent roofs.  
The cultivation is unirrigated.

Le Sa May 8th

Rhod. velutera 1555, 1559

var. luciferum 1557  
1558

Prim. belledifolia 1556

macrophylla 1561

atrovirens 1562

with pygmaeorum

Le Sa May 9

sp. nov. Rhod. dignabile 1564 1566

anthopogon 1565

aganniphum 1567

AP

No coolie slept last night, so neither did Ludlow or I. We were up before 4:00 am & everyone was off by 5:00 am. There had been some snow the evening before, it was lying from about 15000 to the top of the Laha, 17180'. We heard chrysothrix on the way up but saw none. Mushy on top as usual no view. On the very top were signs of a primula showing green - perhaps *Stirkoniana*. Very shortly after, we saw *P. bellidifolia* in flower & *P. atridentata*. The ground was simply covered with *P. pygmaea*, looking perfectly lovely, carpeting the ground with pink. There were a number also of *P. macrophylla* 1561 in bloom, & lots of signs of a *P. sibirica*. Other primulas there were too, but none in flower. About 15000 the rhododendrons began, & from then on the hill sides were covered with them. I don't think I have ever seen them so thick. Down here the W face is covered with *Abies*, but there are a number of pale lemon yellow rhods too, (1557) also any number of pink ones which seem all the same though they show different forms. I got one *Corydalis* too 1560. This area must be wonderful later on when everything comes out. The rhododendrons themselves must be a sight worth

Corydalis 1560

112

d. No 377-79. v May 83  
Crossophila crissophila harmeni

Prunus -  
belleoefia  
calderana  
manipula

seeing. We chased chrysophilum, but with no luck. Cullen has fewer on head: it may only be the snow trench, I suppose. The valley here has a very marked N vs face. The South face appears quite bare, though there are small plants growing on it. The North face is densely covered with fine fir trees, up to about 12000 or 13500, then even more densely covered with rhododendron. Here there are some larches too.

9<sup>th</sup> May. Halt. We spread out in all directions to see what we could find. I had hoped for more, but I suppose we are still a bit early. One very nice rhododendron was found in the fir forest (1564) = the dwarf 2 ft bush 1565, which looks much like a pink lapponicum of kind. Many of these have pure white flowers, the majority being a pale pink. <sup>Red. entire page 1565</sup> I found a little more *P. bellidifolia*. *P. 1562* is everywhere. <sup>Red. entire page 1562</sup> We each shot one chrysophilum.

10<sup>th</sup> May Halt. Went up the vada immediately north of camp to about 15000 ft. There is not much to be seen yet, though it is a good place. *P. bellidifolia* is everywhere, but not yet out. Both *P. Rowlei* + *macrophylla* 156. were in bloom at the terminal moraine at the head of the valley. A little

194.3

9481

1.0755

66

9481

66367

47405

474

10196.815

Abies delavayi 1572 - upto 10000 ft. Coran the N. side of the valley here 67

Corydalis was found, same as on the he la, another yellow one 1571, but that was barely out. I saw any number of crossbills that were getting a R + L at flying birds. It is easy enough to hit them, but not so easy to find two coming over together. Ludlow went a different

*Hillebrandia caribaea* 1574  
*Thermopsis barbata* 1573

way, to the South, found a fritillary 1574 & a *Thermopsis* 1573. We are still too early for a place like this,

should get on now to Migyitun. Still no sign of our mail. Fine again.

*Hyemphys tomentosus*

11<sup>th</sup> May, Charue. 7 m. A.P. 1948 Temp. 66° Time 1030 am. Ht. 10200'.

Very cold in the morning, fine all day. The path is good

*Bommar nigularis* 1581  
*Hillebrandia* 1582

the whole way, down the left bank, except for a few hundred

yards after a forge is passed. Charue is at the junction

of the Char & Kyimpu rivers. Good camping ground &

some supplies. Beans & barley grown. Water excellent.

About a mile or half down, there are some ruins & some old cultivation. From here a path leads off to the R.

bank. We took this. At the bridge over the river there is

a cliff on the L bank, on this there were several

things growing, a *Col. morphyla* 1576 *pedicularis* 1578 *Alpinia* 1577  
a *aconitum*, a *primula* & a *perniciousa*. 1

Sent off mail runner 14<sup>th</sup> May.

Lee Kodak. VIII, IX, X, XI.

Kodachrome V, VI.

F. Pack. X, XI, XII, XIII, XIV, XV.

Infayelton. 7. 8. 9. 10. 11.

9978  
1.0799  

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9978  
69846  
88802  
8980  

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9923775.242

1.0794  
9923  
19846  
39692  
3969  

---

10165121

see May 7

and insert

12 May - m. de la

we obtained a new race

of the Tibetan Babax.

Babax lanceolatus leucostriatus

L. 84-85.

The waters of the Char Chen  
are beautifully clear. The river  
flows long still descent.

Good description of journey

suppose the <sup>pubescens</sup> ~~prunula~~ 1578, is the usual *Sibiricus*, but the ~~color~~ color is a much brighter richer yellow than usual.

The hills on the R. bank continue to be covered with *Podocarpus* & fir till quite close to Charue, & the S face hills are bare except where a side valley comes in. Here L. - peach bear, fruit about as big as Jap. bear mande. there are willows, peach & walnut trees. Larches are common from Kyimpu to near Charue on N. faces.

12<sup>th</sup> May. Sauga Choling. 11 m. B.P. 1974 Temp. <sup>68°</sup> ~~42°~~ Time <sup>11.0 am.</sup> ~~6.00 am.~~

Ht. 10775'. Fine, a perfect day, pretty hot once the sun was into the valley. Path up the R bank at first, crossing to L bank at about m 3 & then through a good deal of cultivation. The path wanders about a lot, up & down side valleys, but good the whole way. The river is much slower running than usual all the way.

Continue up a good path on L bank to Sauga Choling. Here there are two monasteries, & a few houses, crammed together where the valley is narrow & steep sided. Some stores of flour & butter etc available. The villages on the way up were fascinating, each with its high tower, built to guard against Lopa invasion. High up on the

L. p. 86. We leave tomorrow.  
We are going by the Cha La on  
the Taka La in the Papin 2000

13563  
10422  
13583  
54252  
27126  
2712  
14135.359

187.0

51°

L. 87. 14 May. 10 camp at foot of Cha La

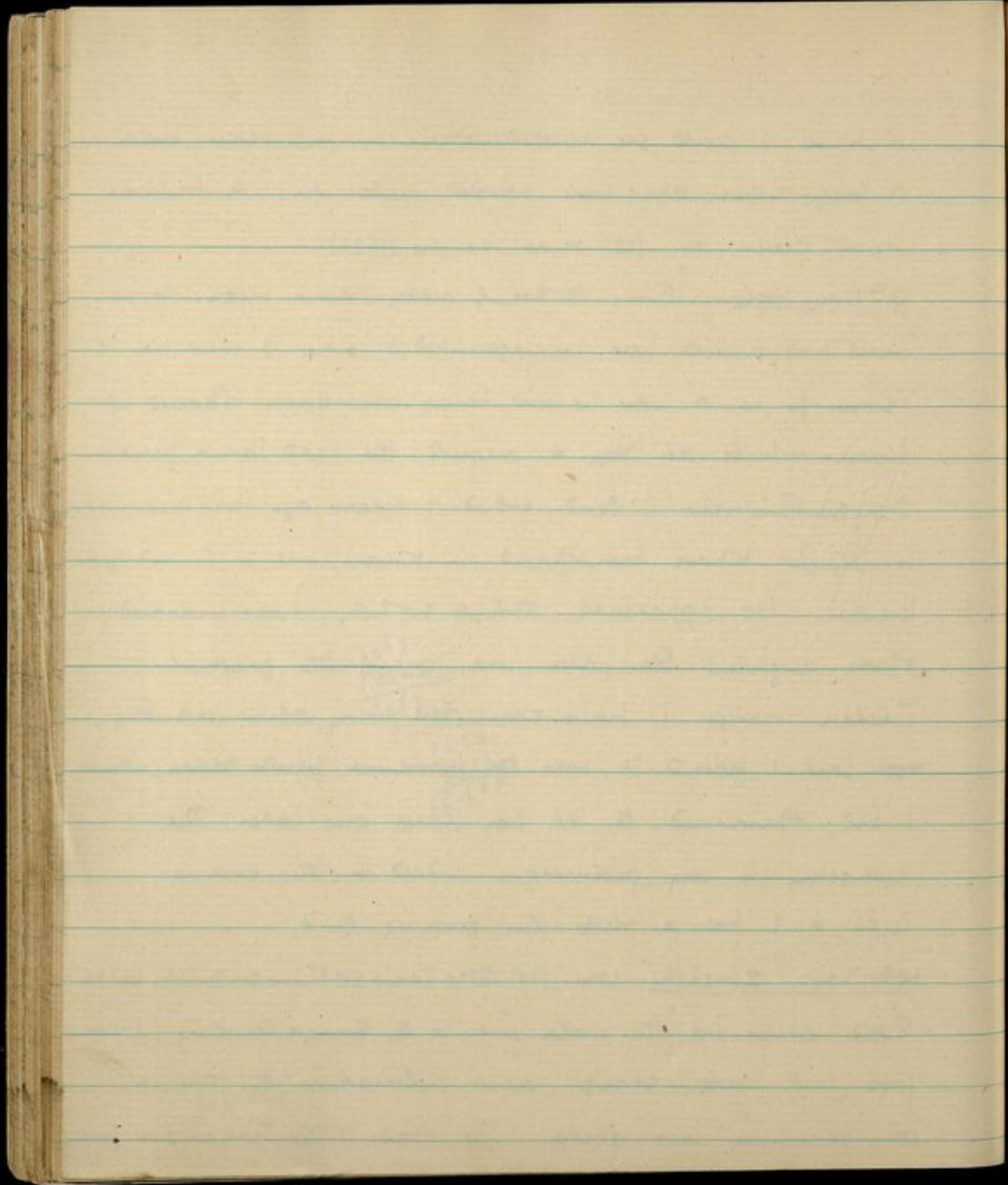
Rhod. frumlaeflorum var. cephalanthoides. 1583

R bank, I could see Rhododendron in full flower, and N face slopes are well wooded with fir. A Primula is in flower on the river banks (1592).

13<sup>th</sup> May. Halt. Fine. A day of pretty hectic work. As no mail had arrived here, we appointed a man to take one to Tsonga for us, & hope he will bring one back. Packed up flowers & birds all day & received the head lama present. Drogpa Rinpoche is dead, & died 7 years ago. His incarnation is thought to have been found in Kham, but it is not yet known. He apparently, though so holy, was married, & has a young daughter here, one of the prettiest Tibetan women I have seen. She hung about all day, & at last I found it was to have a photo taken, which I did, & promised to let her have one later. The monastery is very picturesque indeed in the evening light, & I took a photo this evening of it.

14<sup>th</sup> May. <sup>To</sup> Zimsatki. low. Bar. 187° Temp 51°. Fine 2:30 pm (LH). 4135

Road leaves up the wala just E of Sanga' Choling. It is good but pretty steep, past cultivation of kye & on, becoming less steep. The road to the Fakar ha pres



Chada May 24 - Sax. monantha sp. nov. 1584 Androsa stramonifolia 1585. Pegocephala scapiflora  
Prin. advena 1589, Stoyce serotina 1591 Prin. glabra 1592 1587/1588  
Fulicaria umbrosa 1595 Anemone bulbifolia var. Zorbei 1594

Chada 15th

Pass. <sup>1598</sup>  
valudorum  
of the E., at about 118, but to the Cha ha the main  
valley is followed to Zimsatui. From here the road turns  
to the Cha ha. another path follows straight on.  
This is only used from N to S occasionally. The  
Tahan ha is said to be pretty deep in snow still.

P. lobodontata

We came across the usual primula abodontata in  
masses. Rhodod. also especially on the W side, all  
the same, a form of <sup>P. valleriana</sup> 1555. There is a good deal of  
fir equiset. P. Ruylei is common here & P. pigmy-  
orum also. Further up P. glabra 1592 is common, &  
there are signs of a good many other things, Saxifrage,  
allium etc.

P. glabra

Lumsden had a case of a woman  
yesterday who wanted treatment. She had had 7  
children, all of them feet first. The pretty woman  
at the Sanja Cholia is the Run poche's daughter.  
Her brother the Buntan Maharani's brother was to marry  
her. He came here, but went on to Kham. But she  
wants to marry into Buntan. It is a pity it  
cannot be arranged, to bring in new blood. The  
locals have the belief that Togyer's second son is

13583

10399

13583

40689

122058

12206

14104.134

L p 88

7000000000

the the Tallanta

W. in n. g. - few

note east in

impossible.

190.1.

the incarnation, although that is not what the lama told us.

15<sup>th</sup> May Camp 1 m above Choram. Tsari Chu. <sup>12</sup>/<sub>10</sub> m. BP. 187° Temp 50'

Time 3:30 Ht. 14104 ft. The path to the Cha La is good &

Chada not very steep. Pass the Cha La at m 4, ~~16600~~ 16600 ft. Descent <sup>ascend to Chada an canyon</sup> on north side very gradual indeed. At m 8 pass a wala mouth on the L bank where another road joins. From about here on, there is a gradual increase in vegetation. Before Choram is reached, the south side is thickly covered with Rhododendron & a certain amount of juniper scrub. No snow

Choram  
Tsari Chu

Am. walshi on the pass in May. About this time of year mules & horses are sent over the Cha La to graze in Tsari valley.

1599  
asson. bicolor 1600  
Mamm. wardi 1601  
gent. byardi 1603

Crossophila heard all the way down since the scrub was noticed. Prunella are not yet out. On the top of the pass was the new Schizimaria, & down both sides masses of P. Boylei & pigmyorum. The Rhododendron here would be in flower for a couple of months I should say. Our usual luck was with us on the pass. Yesterday was a perfect day with hardly a cloud. Today we could see only a few miles, as the evening had some rain.

158 188.4  
Temp 48°  
Time 4:30 pm

12772  
10255  
12772  
38216  
39850  
398  
1319799

L p. 90-91. Below Chozan we ascended to  
500-600 to cross a spur & then dropped  
down to the magnificent Sengute plain high  
above the Tsari Chu meanders a very  
wide. The plain must be 5-6 miles long  
& 3 mile broad. On both sides are dead  
unspoiled fossiliferous jumps, Rhod. Tselvici  
— a truly beautiful plain  
NB the Takpashun group from L91

11816  
10622  
11816  
70896  
23632  
236  
1255095

Chosen to Senguloh

16<sup>th</sup> May. Senguloh. 4 miles. B.P. 188.4 Temp. 48° Time 4.30 pm.

Ht. 13128'. Path keeps up the left bank, almost level.

Pass Chosam, which has 20 houses, at m 1, where there is a bridge over the Tvari Chm. Keep level to m 3 where the path drops to the big open plain of Senguloh. Here the valley is quite open, some hundreds of yards across, flat or rather boggy ground. The hills both sides are covered with trees, on the south face chiefly juniper & rhododendron, on the north face alies & rhododendron.

There are signs of a good many flowers coming, but

*Adonis* 1891

not much up, only a fine *Adonis* 1600, a little

*Adonis* *beardsleyi* v. *Dutchmanii* 1600

*Gentian*

*Gentian* *buysii* 1603

*Gentian* 1603. *Meconopsis* will be in flower in a fortnight

*Prun. White* 1605

or so.

Dawong had his 3<sup>rd</sup> dose, a hundred pulled

out one of Puitso's teeth, a wisdom tooth, & an overdose

of the local anaesthetic gave him a very bad night

& day. I hope he recovers soon.

Senguloh

17<sup>th</sup> May. Halt. Went up mala to the NW of camp, but

*Prun. anthraciflora* 1606

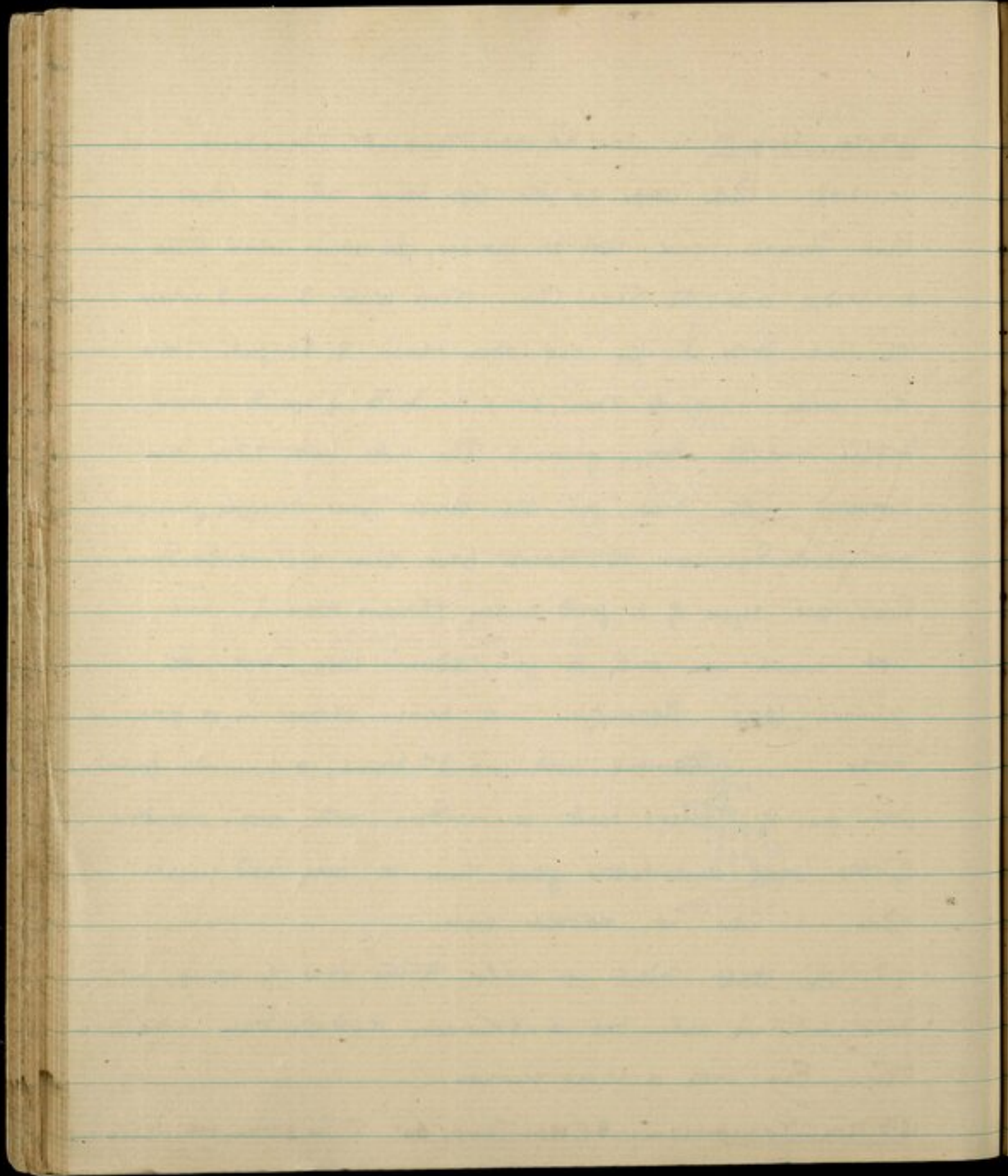
saw nothing out, but a solitary rhododendron here &

*Rhodod.* 1607

blank there. Fine with a short shower.

*Rhodod.* 1609 v. *Laifun* 1609 v. *Laifun* 1609 v. *Laifun* 1609

18<sup>th</sup> May. Yarap. 10 m. B.P. 190.1 Temp. 60° Time 3.0 pm. Ht. 12550'



Jap. May 18th

73

Red. lanatum v. luciferum 1610

\* pederoun 1611

Ant. corrhosa 1611

As perfect a day as I can remember. It froze pretty hard at night, rose above to a blue sky with a cloud to be seen. We had to wait some time for the sun to thaw the frost off our tents, then came on down the valley. Most of the way the valley is broad & open, with the path keeping to the left hand side. Toksen is passed at about 11, consists of 2 or 3 houses & a paddock where mules & horses are bred. The hills to the South were always visible, & the whole range was seen as we came down, by looking up side valleys coming in from the South. They form a fine range of snow covered peaks, nearly all very sharp pointed. The locals do not appear to call any one peak Takpa Sini, but refer to them enclosed by the Kingdon as that. Path is rather wet & stony but otherwise easy, & descent very gradual. The view down the valley too is almost equally fine, & snow covered peaks are to be seen as far as one can see. Of flowers there were very few. But *Primula Roulei* as a sight made up for a lot. I have never seen more of any *primula* except of *P. Sikkimensis*, when going down towards Mago. In places

2 p 94 - L spent the afternoon sowing  
radish, lettuce, spinach, mustard seeds  
& turnips at Yarab.

Lp. 92 This name from the Tlari valley near the falls. *P. calderana* in fruit  
Grows on grassy flats over shading jungle forest

74

*P. calderana*

the grassy hillslopes were covered for areas of nearly 100 yards square. But the prettiest sight was when it was mowed in glades in parts of forest not far above Yarap. There it really was most beautiful. Some of the plants were magnificent ones. I counted on one particular plant with one stem, no less than 48 blooms. Of these nearly half had petals coming in place of the anthers. Unfortunately I was unable to get a photo of this. A three span bridge is crossed here a good camping ground just over the bridge on the R. bank. C.A.'s are everywhere available a good strength. Pinta has been very sick for the last day or two & is laid up with much pain & some fever.

Yarap

19<sup>th</sup> May Halt. Another fine day, with some thunder in the afternoon. The weather is always much the same, when fine. Beautiful evenings & mornings with a storm up the valley in the middle of the day - we split up today. I went up the hillside opposite camp & marked some flowers, the bulbs of which we want to collect. It is a

*fruticulosa* 1611

*fruticulosa*, No. 1611.

*puberula*  
Rhod 1612 is a beautiful tree, but

L. p 95. It is a beautiful wide valley  
with massive peaks on the horizon.  
Chieson village County 2 mountains  
about 135 hours - - etc

It alludes to ride a pony beyond Chieson  
village. The late Dalai Lama  
when he came on pilgrimage here  
is said to have pronounced



L. 96. trace lead gradually  
Downward through jungle for fast  
mile within a mile of Podzo Sando  
which fell more quickly. Cass valley  
comes in at Podzo Sando which  
leads to the Blende la.

Caracasgogghana - Podzo Sando.  
21 May

sp. Berberis lediana 1626

sp. Rhod. minutum 1627  
" campylocarpum 1628

sp. " erosum 1629  
" pumilum 1634

sp. Esarona 1636

Urtica coriifolia 1631

Parquityia arenosa 1632

Mec. simplicifolia 1637

Cyperidium tibeticum 1638

Podophyllum tuberosum 1660

*Lancea tibargana* 1623, *Rhod. prunellum* 1624

not so big as at Tsoma, but lovely for all that. The valley I was in is small but seemed be very good,

*Prunella* already with *Prinulas atrodentatata*, Roulei, 1621 & 1624, the last two new to us. A perfect day, with hardly a cloud in the sky all day.

Podzo Lundo

21<sup>st</sup> May. Camp 2 m below Podzo Sundo. B.P. Temp. Time

Hr. 10:50. A fine day again, clouding in the evening.

Patu down R bank crossing the Chidchar river over its lateral moraine, steeply down to a bridge over to the L bank of the Tsari. Thence through forest in a steep sided valley. At about m 5 the descent is rapid where the Tsari falls in a gorge. Pass at m 6 Podzo Sundo, one house, at the entrance from the north of the road valley from the Bimti ha. Continue down L bank for 2 miles where valley opens out a little. Some grazing. No houses. We are a good deal lower here, & the vegetation is much more advanced. I did not find much thorn. Another

*rac. simpliciflora* 1637

were seen 1637. in few numbers, near Podzo, Barberis all

*Barberis ledronii* 1624

the way. a fine big flowered one, though the flowers are

not too numerous, 1626, some rhododendrons, the best of

1924  
53

10033  
10466  
10033  
40132  
60198  
1049451

L. to G. Kelling of nearby born Caloro?  
(offspring of Dgo?)

Tsari river falling into benendangpaa.  
From a mile Dwa. Nothing but  
Cataracts confined to a narrow boulder  
stream bed.

Podzo Sando  
22 May

Desfontainia hinduica 1640  
P. alvirentata 1641  
sp. - tsaransi 1650  
D. kuan 1654  
preantha 1658  
glabra 1642  
Styria blakei 1645  
Pecularia roylei 1646  
Rho. tsangpoensis var.  
pinniflorum 1647  
Calostrotum 1649  
Lepidogramme 1631  
Anthozogon 1653  
Calocanthum 1656  
Vaccinium deklense 1648  
" nuanlara 1655  
Sax. Greenianae 1659

9205.  
10599

9205  
46025  
82845  
8284  
5757379

L. to G. I think the Tsari river must be dropping  
500-600 ft per mile for the first mile after leaving camp.

At Megyichun the valley opens out & then to quite a large cultivated including barley, potatoes  
taro, etc. The soil is what I had here as also pure. Lebaso have done flood in them  
A large stream comes in from the north & 2 miles distant is a holy lake. Iso Kap.  
Black Curraws abound between here & Chid kar. A curious feature about the bushes  
is that they are frequently epiphytic.

Being mud, ticks, fleas & a lower two

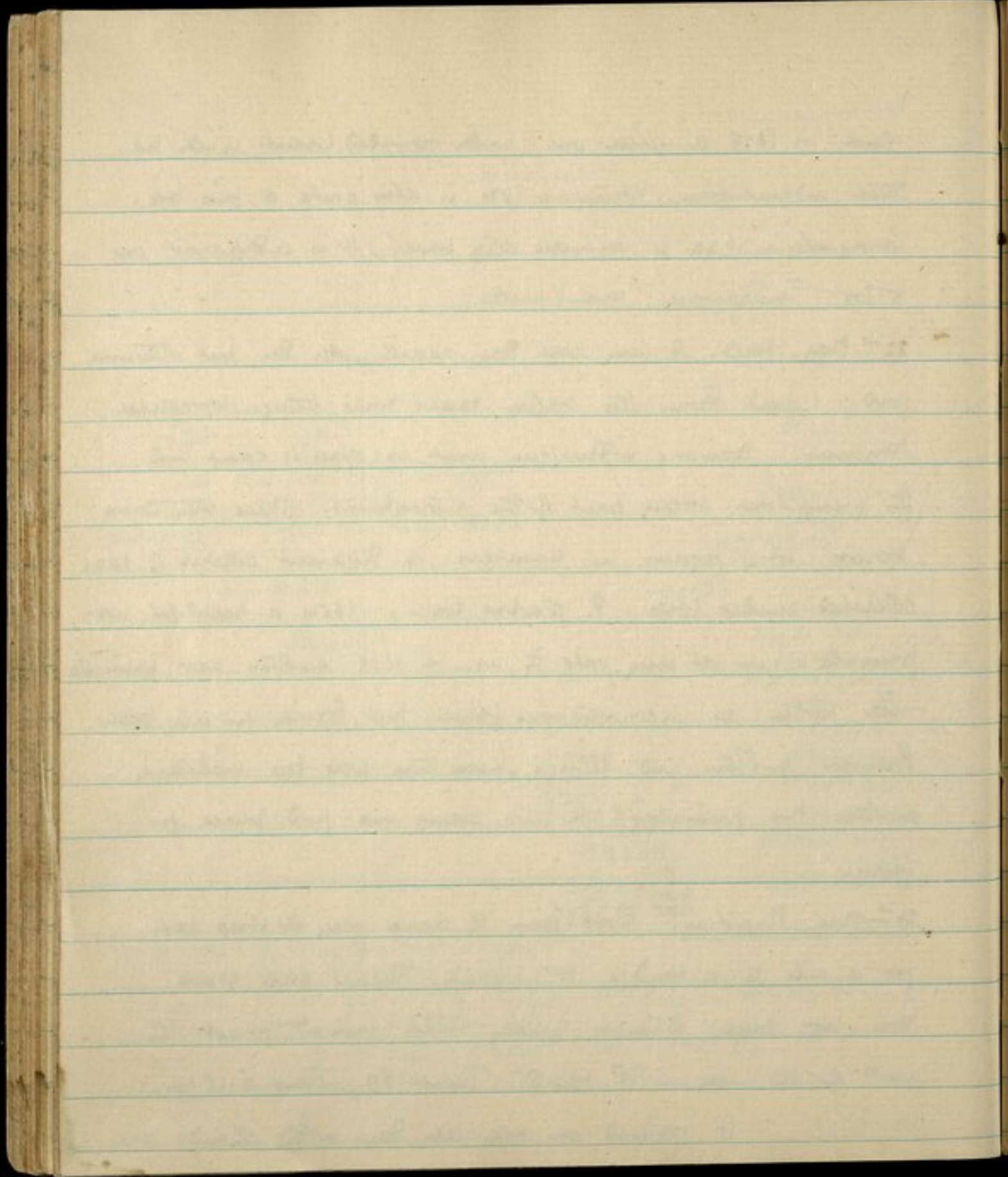
<sup>lvs. campylocarpus 1658</sup>  
 which is 1625, a yellow one, with rounded leaves with no  
 thick indumentum. <sup>V. cordifolia 431</sup> *Viburnum* 1631 is also quite a fine tree.  
*Paraquilegia* <sup>arconoides</sup> 1622 is on all cliff faces. It is a different one  
 to the Tsuna one, even prettier.

Kodzo Sunda

22<sup>nd</sup> May. Halt. A very wet day nearly all day, but otherwise  
 good. I went down the valley to see some things to collect  
 tomorrow. Danong & Tsunpan went up opposite camp into  
 the precipitous rocky part of the mountains. There then came  
 across <sup>Men. veratosa</sup> 1644 again in numbers; a different colour of 1621  
 collected under <sup>P. karum</sup> 1650; *P. flabra* 1642, <sup>P. brevicornis</sup> 1654 a beautiful new  
 primula - new at any rate to us, a 1658 another new primula  
 with rather an inconspicuous flower, but fairly fine all that.  
 Promises of other good things were there were too, including  
 another two primulas. A nice camp & a good place for  
 flowers.

23<sup>rd</sup> May. <sup>4 m.</sup> *Miyitum*. Road down R bank very steep path  
 for a mile to a bridge to the bank. Thence still steep  
 down left bank through pretty thick mixed forest the  
 rest of the way. BP. 194.8 Temp 59. Time 5.15 pm.

Ht. 9757. It rained on 20<sup>th</sup> all day, & the clouds are



Polygonum aviculatum 1665. Calanthe bicarinala 1665. Rhod. nepalensis 1666, Rhod. biflora 1675.  
Rhod. veniflora 1676, 1677. Trollius tibetanus 1670. 78

right down - typical monsoon weather in fact. The locals are rather pleased. They had had no rain till yesterday & connected its coming with ours: They seem to be a mixture of Lopas & Tibetans, some pure Lopas. The valley opens out a lot here & the hillsides are flumed a good deal. There is considerable cultivation - wheat, potatoes & turnips & the natives are very pleased at our offer of seeds to sow in their ground - for our use - though they will no doubt have as much as we do. None of us went out any distance, but Ramzana walked on to a primula

*Rhod. yergonensis* 1662  
which is new to us, 1662, growing on the bank of a will stream. There were only 6 or 8 flowers, so I think it must have come down from further up stream. But there

*P. ferdinandi* 1663  
is also another primula 1663, a big yellow ciliolatus one, growing in the meadows opposite camp. It has very fine leaves, & stands about 2 ft high, like *helodana*. We were brought some eggs butter & cream by the headmen, & we told them all we wanted was service in the way of coolies & would pay for everything & would doctor them. Immediately we were asked to remove a

Megacyn 34 May

sp. no. Chrysosplenium leichowii 1683

Embleanthum deflexus 1684

Prin. alpestris var. vestita  
" hopeana 1686 1685

alpestris 1689

tsarunensis 1693

calcareana 1694

meo. simplicifolia 1687

Cephalanthus longifolia 1688

Pleurozium <sup>rust</sup>  
<sub>205</sub> - Pleurozium septentrionale 1691

Cyrtopodium elegans 1695

Cassiope selaginoides 1696

large giraffe of a lifetime standing by one old man. All seem reasonably pleased, but I don't suppose they will like carrying us about very much.

*Mogijitan* 24<sup>th</sup> May. Haer. Went up the valley to the North of <sup>(ii)</sup> Mijitum.

It was too misty to see much. About 2 miles up on the R. are two waterfalls, and on the way to these we found

*Dawong's* little yellow primula <sup>*prenanthi*</sup> 1688, in masses, growing on the now free course of a perennial snow avalanche.

Nearby there were also a few of what I think is <sup>*barren*</sup> 1621, & two other primulas of the *Sikkimensis* section, one

reddish & the other yellow. I take the former 1685, to be <sup>*alpica* var. *viridica*</sup> *P. violacea*. Dawong also found a new primula,

but very like <sup>*P. hoptera*</sup> of 1686, which is a pretty thing, though whether really it is white or should have some

colour I rather doubt. On the whole a pretty good day for flowers, but otherwise foul, as it rained hard

all day, and could not see where likely places were, the mist being right down the hillside. There are

leeches here, but as yet not very many. The chief pests are midges, which are very trying. I went into

L. 100 Egg egg c/3. of *Trochalopteron henrici* (Brenn. Henric's Languey (Frank).)

habits unknown. They are exactly like those of the Common Song Thrush at home.

L. 101

I do not think it occurs south of the main range except at Meigsburg. We found numerous nests. They are generally placed in bushes & trees at no great distance from the ground. They are built usually of twigs & dried grass, dead leaves, strips of birch bark, moss etc. lined with dry lichen lined grass. Clutches vary from 2-3. Eggs laid in May & early June.

Meigsburg May 26.

R. Lindzey 1702 1715

of 1700 Miniatun 1700

? Prim Sandenensis 1706  
(Cassidy)

Yagerensis 1709

Essexensis 1711

Worcester 1712

Concord 1705  
Seth 1714

a dinner but where some yaks were grazing. •  
within half a minute or less, Tendons legs were covered  
with fleas - so were my stockings.

Higytan

25<sup>th</sup> May. Halt. Stayed more or less in camp till the

*Pterone hookeri* 1697  
evening.

It cleared up after the last few days of rain, -

*Pterone atroide* 1698

let us see the country, which is very grand looking, with  
precipitous sided hills almost all round. Only down here  
in the valley is it at all open.

26<sup>th</sup> May Halt. I went up the valley N. of Higytan, •

found Prim. <sup>*Yergonzon*</sup> 1662 in quantities about 2000 ft up. Nothing  
else very interesting except a heath 1713 which is very  
pretty & should do well at home. I hope we get seeds.

Prim. <sup>*Boreum*</sup> 1711 & <sup>*meropyle*</sup> 1712 were both very beautiful. These both grow  
on slopes swept by snow avalanches & seen the first  
to come out, with that queer little white prim which  
we found at Chichar. Lushon went straight down the  
valley & at about 5 m. down, found a fine white *Maddenii*  
*Rhododendron* <sup>*leindayi*</sup> 1702, which unfortunately was very scarce. I  
hope we can find some more of it. There was another  
too, which was not in flower. He also got a pretty

L. p. 105. Birds life very scarce at Megijitar

Megijitar 28<sup>th</sup> May

Rhod. lentag. 1715.

spun Lophoceros 1718  
Phaedroprum 1720

Anemac Davidi 1716

Saulhera Looker 1721

Prunus Cotinifolia 1722

Rosa macrophylla 1723

Siber. tufelensis  
var. oligocarpa 1725

Ribes acutum matsum 1726

Tsuga dumosa 1727

*Schizandra grandiflora* 702

Creeper 1704. The wireless was put up last night & worked fairly well, we even heard England a very little. This morning I switched on at 5:00 am & heard England perfectly. Ludlow waited till 6:00 am & got the news, the first we have had since Putschong at the end of February. Presumably monsoon conditions have made the reception so good. That will be one good thing in favour of the monsoon. Yesterday & today both fine again, though cloudy on the hills.

*Megistura*

27<sup>th</sup> May. Halt in camp. Rain all day.

28<sup>th</sup> May. Went down the valley for about 7 miles or so. The path after ~~we~~ is awful, being in the river with water

*R. lundeyi*  
1715

up to ones knees most of the way. Rhod 1715 is abundant <sup>under</sup> everywhere from us & down. Otherwise there was nothing of much importance found. Ludlow crossed the river & went down a little. A nice little magnolia is about to come out. The path on the ~~to~~ bank is quite good at first, & the country pretty open, with a jungle of mostly scrub. This changes to denser mixed jungle of bamboo, Rhododendron, birch, larch, <sup>oak</sup> tsuga & deciduous trees. The

Faint, illegible handwriting on lined paper, possibly bleed-through from the reverse side. A small mark resembling a question mark or a symbol is visible on the right side of the page.

103 river falls pretty easily for the first mile or two, getting I think  
 a bit steeper about m 4. There are a good many buckthorn  
 trees about, which in many places grow to a height of 50  
 ft or more. The highest are only a mile below Migyitun,  
 where there are some ruins. These ruins were houses built  
 by the Migyitun people, so they say, & were destroyed by the  
 Lepas, who would not have them coming any further down the  
 valley. "Migyitun", we were told in Sanga Choling by the head  
 lama is a name meaning the seven head men "Mi gyim dun"  
 gyim being a short form of gyimpo. Slavery of a kind is  
 still common, & Abans are often sold up here, the price being  
 somewhere about 20-30 Rs or its equivalent. The old price  
 is said to have been a sword for the head, a dagger for each  
 limb & a cow for the body. Prices seem to have gone  
 down, & a pig replaces the cow. I should think the "slaves"  
 were much happier here than where they come from. Migyitun  
 consists of about 30 houses, seven of which pay tax to the  
 Tibetan Govt, the remainder pay a little to the seven. There is  
 quite a lot of cultivation, & eggs, potatoes, & wheat are  
 available.

Miyajima

Sept 20. p 104. Drove up the Naha & Pangla, 2 passes  
on the road to the So. Ter Lake (the sacred one) where  
1500 ft. place of pilgrimage. The Naha mountain an ascent  
of some 3000' led, as its name indicates, through forest.

On reaching the summit of the Naha I made a circuit  
round to the Pangla in search of flowers & birds  
Got 2 specimens of Heteroxenicus stellatus stellatus  
Gould's Short Wing is has been found in the Nepal,  
Sikkim & Bhutan. This spec. taken in the above hill  
partly eastward. A common bird. Different from  
other Short-wings in not being a sculker. Although  
it inhabits dense thicket & bamboo forest, it does not  
shun observation & will ascend to the tops of bushes  
to gaze at an intruder in a most confidential manner.

I rec'd. later that in a wilderness of rock boulders in  
the alpine zone, far away from all shrub forest. And  
the bird was breeding amidst these thorny  
- rhodod. & sax. veg.

Also saw Snow Cock Pheasant Tetraophasis beckhami - L. ibid 355  
A common bird in the Tibet. Found at all elevations below  
11-15000 ft. Lives in fir forest & also inhabits Rhod. scrub  
in the alpine zone - Spang & Beal 383.

Miyajima 30 Aug

Prin. vernicosa v. violacea

1734. 1735.

flabellifera 1737

macrocarpa 1743

Paraqueya amenabilis

1744

Prin. zampflingeri 1735

Rhod. punctatum 1741

Calliope palustris 1745

*Rhod. thomae* var. *pallidum* 1728. 1730.

29<sup>th</sup> May. Halt. Danang + Tenduh went up the valley SW of Higytun, keeping to the W of the village. At the top of the hill seen from camp, the valley divides in two & then crossed the stream & went into the <sup>Southern</sup> valley. Here they found a yellow <sup>*P. jucunda* 1730</sup> primula 1732, a good mile above the bridge. It is a fine valley. Rained part of the day.

30<sup>th</sup> May. Halt. A fine day. I went up the same way as Danang + Tenduh yesterday, as far as the bridge on the ridge. But this time we took the R hand valley, just above the bridge it opens out into a fine thung, called Champa Phé, probably about 12000'. Above this there is another small thung, with a hut, where we found a weaver's nest. On the rocks

<sup>*Paraqueleia*</sup> *Paraqueleia* grows in profusion, & both <sup>*Caldesi*</sup> *Roulei* & the purple <sup>*mealy*</sup> primula. Above this again, to the left a bit, is a valley full of avalanche snow. We went up this for some way, & on the cliffs to the R hand side going up - west - we found <sup>*P. hederifera* 1737</sup> *P. saphirina?* (~~1737~~ 1737). It was growing on almost perpendicular cliffs, which were damp & open to the sun. *Lundin's* little <sup>*Vernicea* 1614</sup> white primula 1614, was already in seed. It is a poor thing. No flower to speak of, very short lived. Another

*Tanais minor* & *Tetraophasis szechuanensis* - Pheasant  
Luo. No. 382.

Megascops 31 kg

Megascops 1 June  
*Megascops globosa*  
1147

primula, with very hairy leaves was seen, but it is not yet out, will be a full week or more before the first are in bloom. I thought a horse had been ordered for me, & was rather peeved with the headman when it did not turn up. So made him carry my camera & come with me. But it appeared afterwards that he never got the order for a horse.

31<sup>st</sup> May. Halt. Went up all together up the valley E of Mujigitun, then up the road to the Tsokan lake, over the Nga La & Pangla. I shot two Lerwa & a snow cock, & Ludlow 3 Lerwa. The snow cock seems to be a new species altogether, much smaller than the usual one.

Primula Saw no new flowers, but *P. glabra* & the purple *Rondeletia* a beauty - were everywhere at about 13000 ft. Rained all day.

1<sup>st</sup> June. Halt. Rained all day. None of us went out & spent the day in packing up & rearranging loads. Our mail arrived at last, & was a good fat one. What a joy it is to get the mail after just on two months. It is really worth waiting for. I suppose it was not really

~~1187~~

190-0

54

11872

10288

11872

47488

93966

1244085

Bimbi La

Migajika 2 June

Rhois mucronata 1751

Bimbida 2 June

P. calderana 1754

Bimbi La 3 June

Rhois calderana 1757

aganniptum 1760

aglutinatum 1761

Spina lanatum & laevis 1762

Prem. Sikkimensis 1758

caevana 1765

microcarpa 1769

Cassiope fastigiata 1759

androsace adenocephala 1766

Polygonatum hookeri 1762

Berberis saron

mei hornöde 1767

p. 107. The Bimbi La valley is a pretty one.  
Both sides are wooded. The cliffs on the  
left bank tower almost vertically upwards.  
On the right bank not so steep.

held up much, though our man found it waiting for him at Tsana. From now on we should not go so badly. I got Air mail letters from home dated 20<sup>th</sup> April which is very good. We had 36 newspapers which are badly wanted for putting flowers in.

2<sup>nd</sup> June Camp 3 in up Binba La route from Podjo Sundo. 9 miles. Bar. 190.0 Temp. 54 Time 2:30pm Ht. 12441'. Up the main Tsari valley to Podjo Sundo at m 6, then turn up the side valley to the NE. The path here is quite good & the ascent through Rhododendron, Yambuo & evergreen forest pretty steep. Good camping ground 3 miles up in an open space, with fir & Rhododendron close by.

3<sup>rd</sup> June. Hail. Fine till 1.0pm, then heavy rain all day. Went up to the Binba La, on a good path, never very steep, the whole way. It leads through dense Rhododendron for 2000 ft or so, then on to bare open hillside. Here I found a very small herb in 1763, growing only a foot or so high. Also a very pretty Androsace which covered the hillside in for 100 yards or more. We went higher up close to the pass, & then turned R. up a

Barbours  
Caren  
1763

Androsace  
admirabilis 1765

L. p. 108 S. V. D. denbus of the Bimbida - about. The track, when was a good one, led  
to the junction of valleys & on the level then proceeded to ascend gradually by <sup>meadow</sup>  
grass, zig-zagging through photo forest for 1000' or there to an alpine <sup>meadow</sup>  
rastris 1000ft. Grasses to rocks, boulders, & a little stone

Bimbida June 4

Rh. agglutinatum 1770  
" Calostrotum 1771

Bimbida June 5

Rh. fragariflorum 1772  
    pumilum 1773  
    lopsangianum 1776  
P. macrophylla 1777  
P. " v. macrocarpa 1778  
sp. P. " jucunda var  
    ponchotii

Rh. paludosum 1779.  
Dri. kemacensis 1781  
Anemone rufescens 1774  
Vae. sikkimensis 1775

rocky wala, which the path crosses. Here we found three

*P. Cavendishii* 1768  
*P. macrocarpa* 1769

primulas. Two in flower, both I think new 1768 & 1769.

- The first is certainly new to us, & a beauty with a very fine scent. I think it must be near to *P. rotundifolia*, with its colour & scent. The third was not collected as it was not yet in flower, & even later was seen. Saw two Blood Pheasant, Kuseri, one at about 14500 & the other close to camp at 12500.

4<sup>th</sup> June. Halt. Stayed in camp, wrote letters all day long, a very thing to do. Packed up mail & sent it off, or rather gave it to the next morning.

5<sup>th</sup> June. Halt. Dismissed our mail runner for general inefficiency & grumbling, & sent off the 'Kapion' in his place. He will get Rs 13 a month & has been paid everything up to date. He is a thoroughly good lad. Dawong -

Tsompren went up the valley to the W of the Bimbi La & brought back a new primula, lilac & very pretty, No 1778. *P. macrophylla macrocarpa*  
also a yellow one 1780. *P. jucunda* var *parviflora*

*Primulas* camp to the E. Saw masses of *Rubus*, *macrophylla*, *glabra* & *abundantata*.

Bimbi la junc.

*Trichocera* 1781.

*Sarcocolla pyralifolia* 1782

*Pr. yagoupsianus* 1783.

*Pterocarya diffusa* 1784

Bimbi la - in Tsare dist. 785 Tibet

L. 47

specimens new willow - Phylloscopus tibetanus.

Dec. 198

L. 47

Selabin's Nepal, Temminck's Tragopan

Therapsid - Pheasant are all to be found

on the hills near Migyetun Tibet

here that we obtained our first specimen

Tetraophasis pyralifolia. in 31 May other day

Dec 385.

Bimbi la junc 7

*Berberis telonaria* var *arbuscula* 1885

*Lonicera hesperis* 1786

*Potentilla schrenkii* 1787

*Rhod. paludosum* 1788

*Mec. horridula* 1789

" *simplexifolia* 1790

*Prun. villosa* 1791

Bimbi la

5<sup>th</sup> June. Halt. Went up the valley, then turned right leaning  
 the big waterfall on the left. There were three little valleys  
 up there, with rocky sides, over these are a good many  
 flowers. *Mes. bella* is there but not quite open yet. It should  
 be open in a week or so. Dawong went down the valley,  
 & then up the left bank to the cliffs, which are about 1 mile  
 or so below here. He found a very pretty little iris with  
 an exceedingly long tube - tube about 4" or even more  
 long. (1781). *P. yungouensis* 1783, a br. pink purple primula was also seen  
 in numbers. Rain all day.

*mesobello*

*Mes. kemaorensis*

*P. yungouensis*

7<sup>th</sup> June. Halt. Took hypsometer reading of Bimbi La. Bar. 1842°  
 Temp. 42°. Time 9.0 am. Ht approx 15492 ft. It looked as if  
 it would be fine & was so till I reached the Pass, when it  
 began to snow. From then on it was snow or rain with  
 some sun till the evening when it really cleared up.

*P. wessa*

Nothing new seen, but a form of *Sikkimensis* primula 1791  
 perhaps *waltoni*, or just a form. I stayed up wandering  
 about for some time, getting back at 3.0 pm.

8<sup>th</sup> June. Halt. A perfect day, not a cloud all morning, fine &  
 sunny with clouds in the afternoon. Stayed in camp,

Studied. Sumatra Route

Ludlow Drive. Tsari wasa paradisi to Koro but the ban a shooting was an  
unmountable obstacle to ornithological work, so we decided to depart.  
Sheriff remained behind to work the Tsari valley. The main camp in the Chayal  
valley at Chung, what is Sumatra? I set out for Pachtakshin.

(AB. Separation June 12<sup>th</sup>)

In crossing the Banta La range is the first time when the drainage of the Tsangpo.

At Kyembong Dzong (June 15) we found the Chinese Parakeet

(Ptilinopus derbyana) in large flocks in the barley fields. From here we cross the  
Langda (15,000) to Kato, where we turned south into the Pachtakshin district.

Crossing the Himalayan range by the Lo La (13,200) on the northern slope of the Lo La  
(June 27) we obtained a Three-toed woodpecker (Picoides tridactylus fumeus) a Sitta for forest-  
ants two characteristic of the forests of SW China.

Ptilinopus derbyana see Lud. Dr. 371

Picoides tridactylus fumeus see Lud. Dr. 369

Banta La

102 Muzjichen. Lonicera ajacensis var porphyrantha 2101

May geobotan 2102. Clematis montana var wilsonii 2103

Streptopus dimorphus 2104. Trichopogon 2105

Brem. asper var alba 2106. Sax. brunnensis 2107

Rh. micromeres 2108. Rh. trichocladum 2109

Mec. batencapita 2110. Mec. fancei 2111

Muzjichen

Banta La

P. nungella <sup>116</sup> macroura  
2112

Cantowan 2113

Sittacusiformis 2114

aspera 2120

Yungayana 2121

except to take some photos in the morning. The rest of the day spent in dividing stores once more, as Ludwig & Humden go off in three days to Kyindang Dzung & to Chiekchar. Poor Tendak fell catching butterflies, & cut his knee badly, having to have a stitch in it. He seems happy as usual though. We sent a man down tomorrow to call up the coolies, & plan to leave on the 12<sup>th</sup>.

9<sup>th</sup> June. Halt. A perfect day till 2:00 pm when there was heavy rain for a while, clearing up later. We all went to the Binski ha & returned about 4:30 pm. Had fine views of snow hills but got little interest in the flower line, the only new flower being a *Myosotis*.

10<sup>th</sup> June. Halt. Another fine day, spent a good deal in looking pretty close to camp, where interesting much was seen.

11<sup>th</sup> June. Halt. Fine most of the day. Went up to the top of camp, & at last found some specimens of a primula have been watching for ages, in bloom. Only two seen fully out. The calyx is large, the leaves small, & one expects a very small flower. But it is really a beauty & the colour very pretty (2113). I hope it proves

## Bailey's Route for the Kingdom, from Chichchar.

1. Mipa 15300' 11 m. The road goes up a steep valley through forest for 5 m. to La<sup>1</sup>on, 14800'. 3 m further up a steep rough road is the Drolun La 16000': from the pass it is 3 m down to Mipa<sup>2</sup> ... which is reached just after crossing a deep but formidable stream. The road is very bad over sharp rocks on the south side. There is a little Dwarf Rhododendron just here as a fair cl.
2. Potrang 14700' 14 m. The road is good for one m. along the edge of a marshy flat: it then rises steeply for 2 miles to the Shagam La 16,00' (2 1/4 hours from Mipa for lightly laden coolies). From the pass is a steep descent for 2 miles followed by a steep ascent through forest of 1 1/2 m to Tama La Rest Ho. (14400', 6 1/2 m). From here a road leads over a pass to Taktsang. This road then crosses several spurs and is very hilly. 6 m from Tama La RH, the Go La 15300' is reached, after a stiff climb. 1 1/2 m further is Potrang, 2 RH's by a lake. Fuel obtainable.
3. Tontsang. 12600' 15 1/2 m. The road is good & fairly level for 2 1/2 m to a small lake, the Dorje Pagmo Lam Tso, after which it is rougher & steeper. 1 1/2 m further it climbs an almost vertical cliff by natural steps. From here it is 1 m to the summit of the Tapgyu La (15400').

Chichebar 13<sup>th</sup> June

*P. prenanthae* 2126. *Paeonia violacea* 2128, 89  
*Pedicularis concolor* 2127, *Lacina cyanocarpa* var  
*porphyrantha* 2129.

to be new. Although there was a lot to do, we just had to go out in the evening, because Ludlow had been among the new game bird. He had not seen any, but heard them, so did Puito, who saw one. So we went up to the waterfall, a just before coming home at 6 o'pm, Ludlow saw shot one. Now we have two skins, enough to name it by. This one was found in quite thick asies rhododendron forest. Amongst ~~the~~ <sup>may globose</sup> ~~the~~ from Thuytun, with some quite good stuff, the magnolia in bloom, another rhododendron, *Tueconopsis*, but no primula, which I had specially hoped for.

L. S. Deparale - S. to Chichebar - L. to Kyindong Dzong.  
12<sup>th</sup> June. Chichebar, 12500', 8 miles. We parted today.

*Sierrae*  
*Bimble de* Ludlow Thunnden going N. over the Bimble La, while I <sup>indochina</sup> came on to the Kingkar, & camped just below the <sup>*P. bellidifera* 1801</sup> <sup>*A. dryanifera* var *fordiana* 1895</sup> <sup>*Pedicularis oliveri* 1802</sup> flat at Chichebar village. A fine day again, & with only a very little rain after arriving here at noon. I was rather surprised to find that flowers lower down had not come on

<sup>*P. affrayana* 1807, *Pernopsis barbata* 1809, *Anemone nipalensis* 1810</sup>  
<sup>*Anemone lamellata* var *sonchii* 1810, *Pedicularis* 1812</sup>  
<sup>much</sup>  
*Bimble de (North)* Ludlow  
13<sup>th</sup> June. Halt. A good day. Fine all day with a few very light falls of hail high up the valley. Tendu is still lower &

From here it is  $\frac{1}{2}$  m to a second pass at the head of the valley ( $5\frac{1}{2}$  m)

From this pass there is a very steep descent of 1000' to a hut at which the short cut from the Tama La comes in. The road then goes down the R side of the valley which gradually becomes wooded to Tahbsang RH 13200' in thick fir forest. ( $9\frac{1}{2}$ )

From here there is a very steep climb  $2\frac{1}{2}$  m to the Sha ngu La 15500'. From the Sha ngu La a road leads direct to Uichuan reaching it in 1 day.  $\frac{1}{2}$  m beyond the Sha ngu La the road crosses a spur of m further in a pass. This part of the road is bad roads. From this pass the road descends very steeply into the valley goes down the L bank of the stream through thin forest to a 20' bridge which leads to Tumbang on the R. bank. The stream is unfordable. 1 RH.

4. Yüto 13200' 15m The road goes down the R bank of the stream through the forest for  $1\frac{1}{2}$  m. when it turns up the L bank of the tributary.  $1\frac{1}{2}$  m further it crosses to the R bank by a small bridge, the stream being fordable. From this bridge there is a very steep climb of 1 m to Chakta Trang (14000, 4 m) a simple RH. From here a road leads via the Dorje Trah La to Totsen. From the RH, it is 1 mile, latterly very steep, to the summit of the Karkeyn La 15000'.

combat, with his knee, which is doing well. Tsouppen at  
last at 6 am came back at 2.0 pm. We went up our old  
valley S of Chichan. It is a beautiful valley, good for  
flowers too. Above the snow avalanche we found many

*P. Cabralana*  
*tsamenis* 1621  
*Petalin* 2153

primulas in flower. *P. Ruykii* still holds on, but the most  
numerous was the beautiful blue purple one first collected  
here last time. It is in masses, the whole hillside, where

*Petalin*

bare, being covered with it. *P. atodontata* is in also

*P. vancouver* 1624

there, but over now. The little white primula 1614, where  
the snow melts, comes into flower for its short season.

*P. vancouver*

*P. macrophylla* *P. macrophylla*

*P. macrophylla* at about 15500 is fairly common, & the

*P. caudoriana* 2154

*P. caudoriana*

lovely little blue primula 2154 was found in full flower on

the cliff on the R of the avalanche. It is a beauty, with

*P. coxiana* var. *subpinnatifida* 2141

*P. coxiana* var. *subpinnatifida*

such minute leaves & huge flower. 2141, a white *Sikkimensis*

is common, but the pick of the white lot is a new one to

*P. sikkimensis* 2153

*P. sikkimensis* 2153

us, No. 2153, which is a bright claret colour & is common

on the bare slopes from which the avalanche sweeps every

*Sikkimensis*

*Sikkimensis*

year. The ordinary *Sikkimensis* too is fairly common.

There are therefore 9 primulas all flowering in this one

quite small valley. We are still a little early for

From the pass the road descends very steeply for 1 1/2 m, after which it is more level along the edge of a marshy plain for 2 1/2 m to Simoneri RH. 13500, 29 m. From here the road goes down a very steep rocky valley 1 1/2 m to Yüme, 11800' a village of 12 houses, but no crops. From here on the road is passable for animals. A track leads down the valley from Yüme to the long Tsari pilgrimage. At Yüme the road crosses the fordable stream by a wooden bridge & goes up the bank of a stream for 2 mil. to Gompo Rong RH 12500' 12 1/2 m. The road continues 2 1/2 m up the valley to Yüto, 4 houses (13200') There is fuel here but no crops. From here a road goes via the Rip La where there is a RH on the N. of the pass to Chisam in 1 day. ---.

5. Sauja Chöling 18 m 10900' The road is very bad & stony for 8 m to the Tahar La 16700'. The road is very steep near the pass. From the pass descent 3 m steeply to the junction of this road with that from the Chaha. Thence 7 m to Sauja Chöling.

Other flowers. On our way back I came across a pair of blood pheasant. The cock bird ran straight at me to within a few yards, so I knew they had young chicks out. We sat down & waited, & found two. All the time we were there the hen kept about 20 yards away, racing round & round & calling the alarm note. The cock bird was bolder though, & came right up to 3 or 4 ft of me. I had a camera & did my best to get a photo or two, but was very excited & made rather a mess of things I fear. I took the two chicks & have put them in spirit. Colors of soft parts are

13500'  
12.6.36. Bill - Dull coral; Leg & feet - pale brownish salmon; Iris - pale slate: no occipital patch to be seen yet. Both are in methylated spirit, & I wonder if they will keep.

Clouded over in the evening, started to rain, with clouds right down, by about 6.0 pm. A most interesting day. I got for crown photos of the new primula a little blue on 2154. <sup>caudex</sup> The Janypens man met me on return. He seems helpful & has arranged cookies. He was most emphatic about shagette on the kingdon. I must not even cook meat

L p. 114.

June 12. L & S separated from S this morning. S. went down the valley to Chikashan; L & S. went north up to the Tsemle La where they crossed in the basin of the Tszangpo.

to Tsemachi.

June 13. Halt Tsemachi p. 115

June 14. To Sumbatze p. 116. — food descrip. of journey

June 15. To Kyindong Dzog p. 118-119 — " " " "

June 16. " " "

June 17. " " "

June 18. to Takitza.

Ludon —

Ludon }

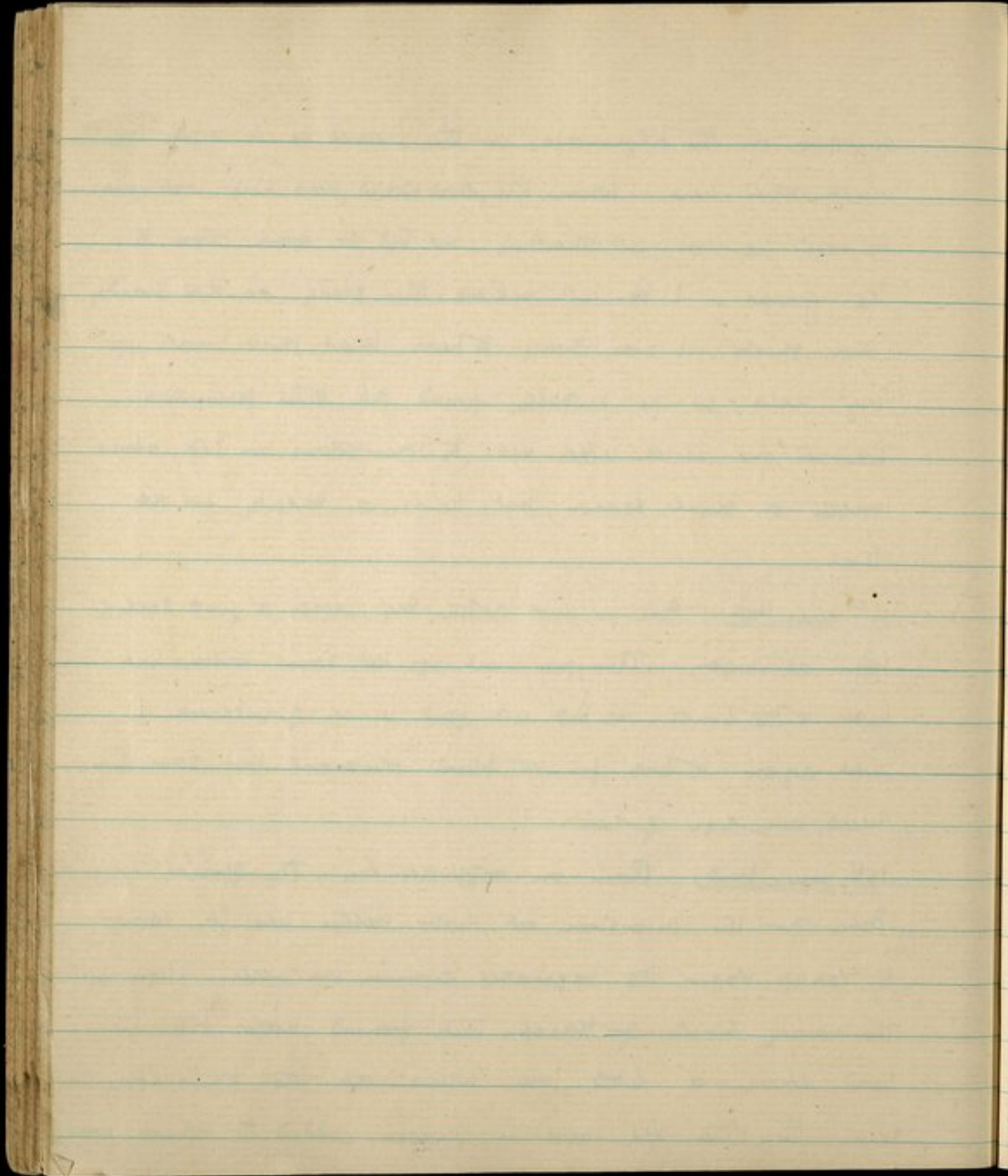
Ludon —

anywhere on the pilgrimage, or they would be ill if it too much rain here. When Kingdon Ward was here last year, he said he was not shooting, but did so even close to the gumpa. I do not believe this story, as K.W. hardly ever shoots. I was sorry to hear that K.W. went up 'my' nala, so he probably found all these primulas. The red one is a little apt to lose colour on top, since rather a short season, but he is a beauty for all that.

*Sumbatse - Kyindong Chu* *Sherriff*  
*Androsace* 14<sup>th</sup> June. Halt. Fine for most of the day, after a good deal of rain at night. T. Simpson went up the same valley, but kept to the south. He did not find much of interest. I went again to look for the third pheasant, but saw none

heard any sign of him.  
*Sumbatse*  
*Lilibeke* 15<sup>th</sup> June. Halt. *Sherriff* Rain on off all day. The official date for the monsoon, it looks rather like it. Went to Yarap saw the vegetable coming on well. Then up the valley south of Yarap, but found little till the head, above a little loch, where all the primulas seen the other day were in masses, added to which was

*Grammysia* 1815  
*brachylobulba* 1816  
*strigillose* 1814  
*Androsace* 1817  
*Sumbatse*  
*Lilibeke* 1819  
*Androsace*  
*Trichosanthus* 1822  
*Androsace*  
*officinalis* 1823



a fourth one, the *Lilac prunella* with the cream white eye seen first at the Bimbi ha. There is a great deal of the deep purple *Lonicera* up near the head of that valley, it showed he had for seeds. Sent off the wireless batteries and threw photo box to Quosam & paid the two food ladies who took them away.

<sup>Sherrill</sup>  
16<sup>th</sup> June. Lapu. 15000' 5 miles. We did not get off well this morning.

*Red laudardum 2160*

*Microchloa*

Not enough coolies turned up, & the ones that did, did not

come till 7.0 am, so we were not off till nearly 8.0. Even

then four loads were left behind to come on when extra

coolies arrive. Fine till about 10.30, then heavy rain &

mist all the rest of the day. Found one *prunella*

here where we camped. It is a minute little thing, quite

pretty, but very scarce, & I can only find it on a few

isolated rocks quite close to each other. Found a nest

of a *rubra* throat with 3 eggs. Caught the bird in the

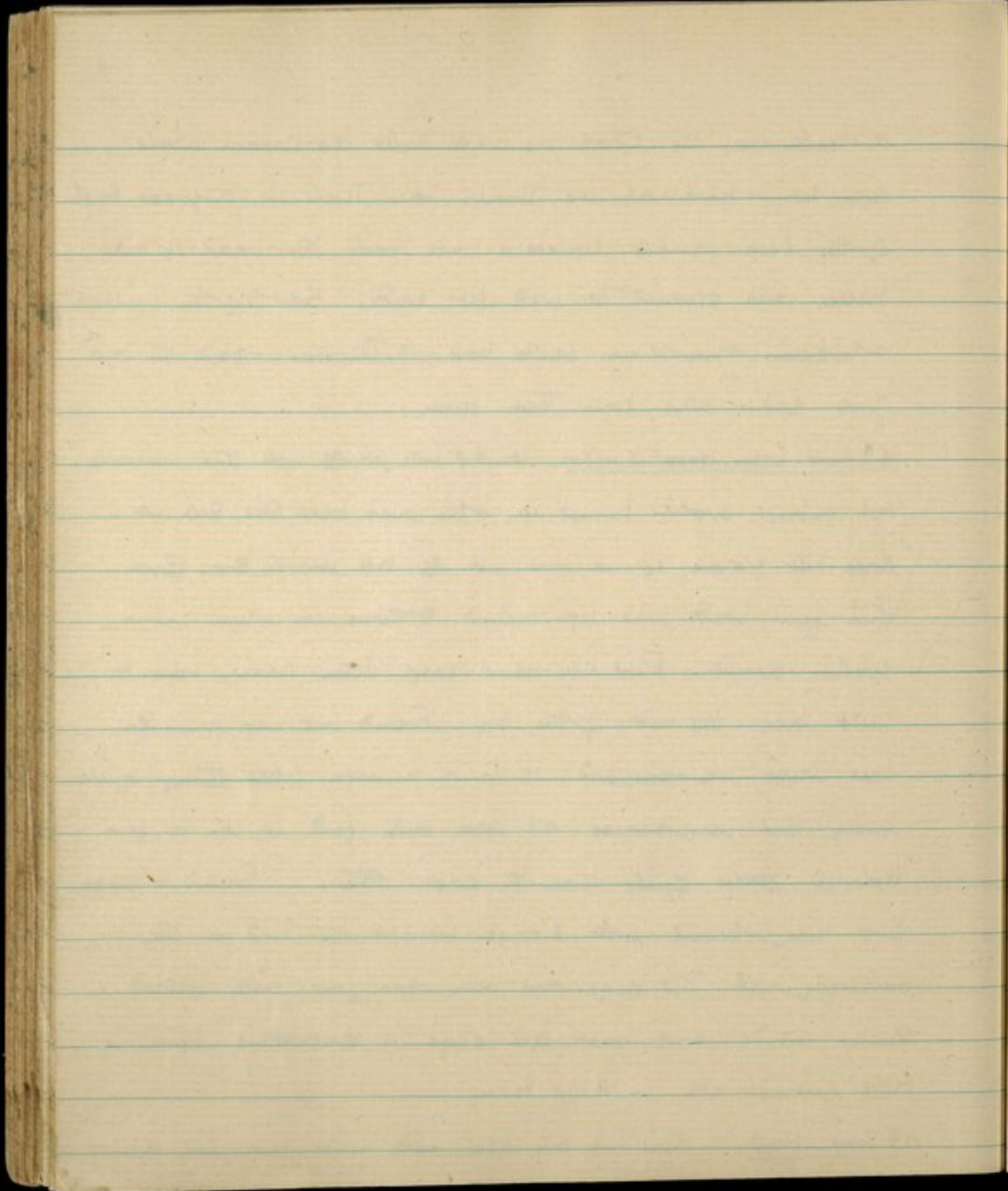
butcher's net. The eggs are very far gone, with fledged

chicks inside, & I burst all eggs in extracting them.

Note of nest etc. in B.W. diary.

*Clapin. Sherrill*

17<sup>th</sup> June. Halt. Fine up till 11.30, with mist hanging about.



Tsongpan, Tendri & split up & wandered over most of the country round about, but found nothing of any interest.

There is almost a continual roar from the mountain at the head of the valley, down which snow pours every few minutes. Close to it today, I saw four snow cocks - the real snow cock. I have not seen many birds of interest. A pair of Bralming were on a small talao just below here, with their young swimming about. Last night just as it was getting dark, a snipe was flying about, just as I heard at Mags 2 years ago. Woodcock did the same every morning & evening at Chichhar. There are lots of rare finches, but all 'feminine' I think. White breasted Dippers are about the stream here.

*Drolma La to Mipa*

18<sup>th</sup> June Mipa 6 miles. 15300'. Rained all day from about 7 o'clock till night, very hard all midday. Quite a good day though. Up to the pass we saw nothing of new interest. It is easy at first, with a steep last ascent of a mile, the latter 300 ft over deep snow. The Drolma La 16000' is a knife edge ascent on S side over sharp rocks & then snow for 3/4 mile. Just over the pass on the R. side we came across

July 18. L. To Taktsa. p. 122 - 123

The valley and as far as Paleung was filled with dense tree & shrub growth  
the trees being poplar, willow or few Hippophae. Saw parrots for the first  
3 miles out of Lyinding Dzung - in flocks of 10 or more. At Paleung are  
the ruins of a fine old Dzung period on the hillside above the valley.  
Apparently this area was independent of Tibet many years ago. Thon old  
Thun was the headquarter of the ~~strong~~ guling family. Slopes facing  
north clothed with fir, larch, spruce forest. This valley is a very pretty one  
I think this holds a lot of interesting flowers & birds, - but we have had  
no time to look for them.  
P. aspicola etc.

July 19 Hoelid Talwa - Observed Natwin - p. 124

*P. alpestris* 1831, 1833, *Incarvillea lutea* 1837, *Prim. vrasia* 1832, = Sledge of Kyumdong Dzong 96  
 The 18<sup>th</sup>

*P. tenuiloba* 2172

*P. tenuiloba* 2172 in a small patch, where the cliffs are very steep & loose sharp rocks abound. It is a very pretty little thing, huge flowers for its small leaves. Nothing more was seen till Mipa, in the flower line, but I walked on to a Lemmas nest. It was under a very small *Lonicera* bush, shaded from rain, & only open from the downhill side, made of dried grass, & with a few feathers inside. Five eggs which took me 1 1/2 hours to blow, all with fledged chicks in them. A little further on I came across an Anthus nest with three eggs, perhaps *A. Hudegovi*? I did not take the eggs. Mipa is

Mipa

on a plain, with waterfalls coming down on all sides & a large heap of avalanche snow beside my camp below the tent. The hillsides above camp are liberally covered with primulas, in many places there is just moss with a primula shooting up every inch. *P. Boylei*, <sup>Calderiana</sup> *macrophylla*, the blue purple one rather like *Boylei* & the bright claret are most common. *Turdus* came in with the *minuta* one found

PB

Primula

*Phobocroa* 2137 & 2177 at Lapa (2137) & the beautiful blue one which is just coming out everywhere 2173, & also the one Danour got at Natampa *P. cawsonae* 2173 *P. dekuana* var *pauberga* 2174 2175 the kept in a tin till it opened (2174). Thompson found

London at Takhsa -

Keyindong Dzong. 1907 -

*Dioscorea* 1886

*Cyperus* 1885

*Artemisia* 1884

*Potentilla* 1883

*P. jucunda* p. 201 2175

A yellow one 2175, which man or man not be new to us, I cannot remember. This place is cloven a block with primulas, but we have most of them by now. There is little else out.

I saw a good many grandala, in pairs I think, & a heteroximus & strobatus quite close to camp. The country is very likely I should think difficult to get about in, but there is a large plain up a bit west of camp, which I am going to see tomorrow. Some trouble over coolies; enough did not turn up & now some rations have been left behind.

Mita

19<sup>th</sup> June. Halt. A fine day for a change. Really perfect till 8:0 am, then misty & rainy for a good deal of the rest of the day, & showers that were not worth calling showers. We went up the valley NW of camp it is a wonderful place, consisting of a lot of parallel rock ridges, between which are little valleys, in the case of the main valley, a big open flat plain, with the river wandering down it. On the E side are fine cliffs. We visited all these & wandered all over the place. Primulas there are in thousands, the ground is just covered with all kinds. Added to what I saw

*Psilodochra* 2137

yesterday are 2137, the little one, the Nabampa one in

L. p. 174. July 20 Camp east of Lang Ka. 14290

Descripti of pass. - Rhod. jun. Epi. part

Si-tow at Lang Ka

*P. macrophylla* 1843, 1844  
*var. simplicifolia* 1845  
*Cordalis* 1846

Mipa. 20<sup>th</sup>. P. Dryadifolia subsp. Jordanii 2161.

98

P. Dickiana pantlinga 2174

masses in some boggy places, 2174. And an addition from

primulas in P. <sup>pantlinga 2178</sup> Dryadifolia 2178, which Tendin found in one place, on a south faced cliff. I went and had a look at the Mipa valley this evening. This plain empties its water through

a gorge to another about 1 m below to the E. At the end of that the fir forest begins. It looks a wonderful valley, but I doubt if I could do much there without getting a long way down. A man passed today on pilgrimage. He was carrying a small load and a goat and a sheep were following. We asked what they were doing.

"Oh they are on pilgrimage too." They followed quite happily. Saw another Anturus' nest today - 3 eggs.

<sup>Shang</sup>  
20<sup>th</sup> June. Tama ha. 14500' 6 1/2 m. Another grand day, absolutely perfect all morning, with not a cloud in the sky till about

9.0 am. The first two miles to the Shagan ha are easy, the last very difficult, mostly over soft but deep snow. Reached the pass in just under 3 hours. 1/2 m below the pass there are

some cliffs on the R of the road. Found P. Dryadifolia on them,

Mec. horridula var. lutea var. nov. 2188

and a yellow meconopsis which looks like M. horridula. I

wonder if it can be the Mec. argemouantha of Bailey.

Suips calling at dusk beside camp each night.

Shagan La - (next to Tame La). *P. hypacanthus* 2185, *Gleba* 2186, *Ent. phylloca* 2187  
*Recondula var. lutea* - sp. no. 2188

99  
2187

The latter is reported as being found in Mipak, of the  
Tawang Dist. This is Mipa, but hardly the Tawang Dist.,  
the height is 15800 and not 13800'. But I have my hopes  
about it. There was also a gentian seen there 2187, but  
very little. On this side of the pass too, there is much  
snow, mostly avalanche snow. We all came down various  
ways, on our feet sliding, or on our buttocks. The latter  
method was better as had about a 100' non stop run. It  
was difficult for the coolies. Snow for about a mile, then  
steep shale slopes with sharp rocks. On the R, South base,

*P. hypacanthus* 2185  
among some cliffs, were lots of *P. bellidifolia*, showing I  
*P. flabellifera* 2184  
think we are in a slightly drier valley, a *P. saphirina* 2184.

*P. schmidifolia*?  
Also there was masses of *P. schmidifolia*, or what I take to  
*P. glabra* 2186  
be that. Where I last saw that & *bellidifolia* together  
was in the Rong Chu, with them went *P. eburnea*, but  
that we did not see today. I hear a big bug from Khasa  
is on my heels with me here today tomorrow. Saw no  
birds of any interest today, but yesterday forgot to record

*Peniglossa* 2189  
*Peniglossa* - 16000'. A fine primula found today, which  
I suppose will go down as *Sikkimensis*, is No. 2189. It has

Ludlow p. 125-126. June 21. To Panchi  
path led down the valley, by an easy gradient  
tripod on north facing slope occupied as  
the whole way until just before Panchi - where  
fossils had destroyed it. On South facing  
slope, willows & juniper scrub with occasional tall  
Forest. *Balanites* Describing Panchi

Ludlow at Panchi - Liling Valley  
By advent of 1848.  
Petric. alvessu 1849.  
Berberis telomaria var. *atricupula* 1850

a fine big flower, & the cor. is violet & the tube a very much darker lilac violet. Not a great deal seen, but seen in several places, so I don't think it is a hybrid, it seems to come true from seed, judging by the way plants were seen one below the other on a steep shale slope. The view from the Shagan ha were very fine indeed. I could see away to the NE, a mass of small snow covered peaks, but not Namche Barwa, which was hidden by a close range. SW of the pass there was a higher group of peaks, which were almost certainly Sangtopelri N of the Meta. Unfortunately I chose the one really clear day to have very few films with me, a great pity. The last bit up here is very steep indeed, though the path is not too rocky. This is a pretty place - a good camp, but a bad CC as there is practically no level ground.

Tamada - Sheriff

21<sup>st</sup> June, Hall. Very little of interest. Mist & rain in the morning,

clearing up to a fine day from 8.0 am onward. Saw very little

422. Argemoneanthia 2190.

new, only a macropin, white, which I think must be

M. lyrata. Saw another Antenn nest. Only went out

from 6.30 am to 12.0. & gave the others a rest too. We have

Lección 6 Moto.

|| 16 proctin y Moto - L. p. 127

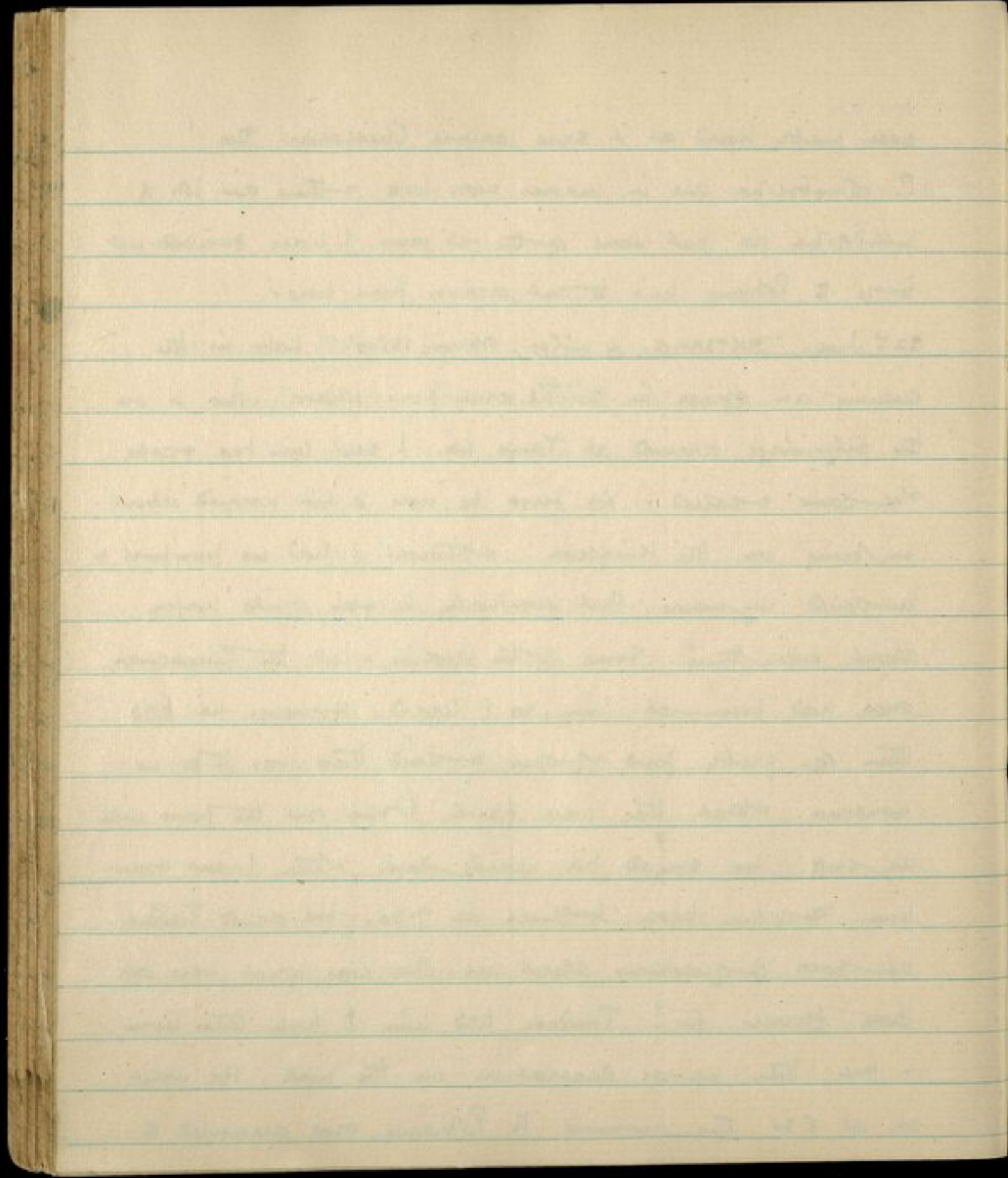
*P. conensis* 2191 ♀ juv.

been pretty hard at it since leaving Chichchar. The

*P. rotundifolia*  
*bellota* ♀

*P. rotundifolia* are in masses near here, & there are lots of  
*bulbifolia* too, but none of the red ones. I have decided not  
to go to Potrang but to cut across from here.

22<sup>nd</sup> June. TAKTSANG. 4 miles. Approx 13500'. Late in the  
evening an officer in the Tib. army from Lhasa, who is on  
the pilgrimage, arrived at Tama La. I sent him tea & cake,  
she came & called. At first he was a bit worried about  
my being on the 'Kingkar' & thought I had no passport, &  
he asked my name. But eventually he was quite happy  
about everything. Some of the coolies - not the Chichchar  
ones, had been at him, so I heard. However he told  
them off pretty good & proper & said there was to be no  
nonsense, that they were fairly to run over the pass with  
my stuff. He stayed till nearly dark, then I went to see  
him, & came back to dinner at 7.30. He asked Tauduh  
all sorts of questions about me. One was, what were all  
those flowers for? Tauduh told him I took them home  
& put them up as decoration on the wall. He went  
on at 5.30 this morning to Potrang & we arranged to



meet here tomorrow. However I am going on tomorrow night,  
 so we will have to meet later. I came the short cut  
 here, over the Kangin La. The path is extremely steep for  
 $\frac{3}{4}$  m to the pass which must be about 15250'. Then fairly  
 steep down an easy path, over a little snow, for another  $\frac{3}{4}$   
 m to a small lake. Takpa Shiri is left on the R. Thence  
 over grassy hillside & through rhododendron to the fir  
 forest. At m 22 the route from Potrang is met. Thence  
 follow the R bank of the stream through forest by an easy  
 path to Taktsang, a good ca. is small. On the way up  
 to the pass I passed some heron with young, which were  
 hidden, but the parents were rather worried. This side of the  
 pass, there was a lot of *P. dryadifolia* & a primula which  
 looks exactly like the purple one found in the Chichan  
 valley so purple. But this is much pinker & has not the

*Pterocarya* 2195  
 same eye. ~~At~~ I took some of it under No. 2195. On the

path, just clear of snow was a primula of the *minutissima*

*Pseudocarya* 2194  
 section, which I have never seen before 2194. It cannot be

called beautiful, but might be new. "Ranzanias" prim. was

*Pterocarya* 2175  
 seen here & there down to camp, & the yellow 2175. Then in

Ludlow at Noto 23 June

saw Delvella striaticollis striaticollis Walker loc.  
no. 81.

Ludlow at Noto  
dileung Chu-  
Riv lepidium 1855

Albi delavayi 2198

*Pterularia filiculaformis* sp. nov. 2197

fin forest is yet another primula which I thought was  
<sup>tsarenus</sup> 21945. It looks much the same, but it has a much longer

scape & bigger though similar leaves. I left it at first, but

*P. tsarenus* 2195

as I have never seen 2195 in fin forest before, took it

*P. tsarenus* var. *porxela* 2196

under 2196. Down here there are a few many signs of

shao in the forest. I came across again a pair of blood

pheasant, with chicks, one of which I caught, but I could

not induce either parent to come nearer than 10 yards or

so, so did not take a photo. Fine all day, but cloudy,

& rather misty in the afternoon.

23<sup>rd</sup> June. Tomtsang. 8 m. 12600'. A foul day. Thick

mist & heavy rain all day long. And we saw very little.

Plenty of *Prim. macrophylla*, *P. tenuiloba*, *Dryadiformis*, *glabra*,

*Pterularia*

the bright one 2195, & the yellow <sup>tsarenus</sup> 2175, but little of

interest as new. The road to the pass just goes

straight up the side of the hill - I have never seen

more direct route. Similarly it is pretty straight down

this side for the first 500 ft, then eases off & finally

very steep indeed down through the jungle. Here I had

hoped to find more, but there is really very little out.

*Pterularia* 2199

*Pterularia* 2200

*Pterularia* 2201

*Pterularia* 2202

*Pterularia* 2203

*Pterularia* 2204

*Pterularia* 2205

*Pterularia* 2206

*Pterularia* 2207

*Pterularia* 2208

*Pterularia* 2209

*Pterularia* 2210

Diurnal at Molo-biting Chn

Rh. vellerum 1860

" triflorum v. mologani 1883

24<sup>th</sup> - Saw a *Heteroxenion* at about 13500'. It had a nest, I think on a cliff. But the cliff gave way with me, & frightened the bird.

Also a *nutcracker* at Simoneri - here also quite a number of spine tailed swifts, whistling birds, with a gray back.

*Acthopyga ignicauda* seen on S side of the Karkeyn La  
*T. affinis* at Simoneri. *T. Heinrichi* not noticed.

Not a good day, ruffled by a headache.

24<sup>th</sup> June. Simoneri. 13500' 9 miles. Wet & windy most of the day, with some fine patches here. Plenty of good friends in the flower line on the Karlyu La, but little

Paul. leucantha 2209

Musibella 2208

P. Barnumii 2210

new, except a gentian 2209, & here Mec. bella. This is a nice looking place, on the edge of a huge flat swamp. But it is disappointing, & I found nothing here. The names of the passes & Rest houses are interesting. Tantsang<sup>K</sup> (Tiger lair) & Tomtsang (Bear lair) explain themselves. The coolies say that a year or two ago a man came from these places - for the tiger & bear - told a lama story to the tiger & bear & put things right! Yesterday's pass, the Sha ngu La, means the 'Shao weeps' - or even the shao weeps. Certainly it is a beast of a climb. Karlyu La means "Put your staffs down": I suppose it means that the pilgrimage is over as far as passes are concerned, & everyone may drop their blind sticks there. I must have climbed a full 4000 ft everyday since the 14<sup>th</sup> & have got fed up with it. Tomorrow

L. p. 130. L. 12 Dec. to 9000 ft. up the  
Langang Chu. Throat blue for 5 days.  
- until Cochin became available

Lo  
Ludlow at Lhoda Chu  
near Kato.

Dec 7/1864

Straptyon simplex 1866  
P. belouache 1865

*Trochilopterus*  
L. 76 *T. Havisi* everywhere. - near Kato's Langang Chu

Ibis bill: 3 pairs below the village.

L. 189 *Turdus albocinctus*, numerous.

*Pyrrhula erythrogastra*

*P. erythrogastra* at 11000 ft in Lhoda Chu - near Paulford

*Th. maculosa* seen 6000 ft. up the river  
very in parts common in Langang valley  
It has a pleasing song.

Ludlow at Singo Samba  
Lhoda Chu

*P. paniculata* 1864.  
x *P. ussuriensis* 1866

we merely go down 1 1/2 m to Yume, where I will halt  
and do a little.

<sup>Sherriff</sup>  
25<sup>th</sup> Yume, 1 1/2 m. 11800'. Wet in the morning, mostly all  
day. There is not so much out here as I had hoped.

<sup>Sherriff</sup>  
A gentian stylophora was seen, a Clematis some or two  
small flowers. The plain here is full of the yellow  
rododendron, & where there are meadows, there are masses  
of P. sikkimensis & of P? a sandalabra with pale wine  
red flowers. A good many have white flowers. I have not  
been out yet, but do not expect to find a great deal.

Paid off the coolies at the rate of 2 shaoqon per day's march &  
1 per halt. All have gone, & horses are arranged from here  
to Sanja Chiling. Fine for most of the afternoon, but  
hills always in mist.

<sup>Yume Sherriff</sup>  
26<sup>th</sup> Yume. Halt. Tsungpen & I went down the Yume Chu for

*Microbotryx 2319*

4 miles or so along what was called a good road. It  
wasn't bad for a mile or two, but was then either in  
the river, along the edge, or in the mud. The jungle was  
far too dense for there to be many flowers: mostly bamboo  
with some cypress & fir & evergreen trees. Saw nothing

Singo Sanku.  
Distrikt Lho La Chu  
near Mals  
Riv. Tapichum 1870.  
Riv. Ceramen 1873.

Saw a good many *leptopuccide* in dwarf  
*Juniperus skhododendron* at about 14500'. I think they  
had a nest, judging by the noise & the way they  
came right up to me. But there were two ♂♂ & one ♀

of any particular interest. Rained all morning - more or less fine in afternoon. Mist down on hills all day.

27<sup>th</sup> June. Camp between Yüto + Takar La. About 14000'. 7 miles.

Wet misty all morning. Fairly clear in afternoon till 4.0 pm: then rain. I expected rather more than we got, but

we saw a good many old friends: Ranunculus prim. is common in little patches. P. Candouriana 2224 is plentiful

*Veronica*

on a cliff below Yüto on the R hand side. Above here P

Roulei & the p that is always with it, & the little white

Petiolaris. Also 2137 the very small one, <sup>glabra</sup> &

atrodentata. The big Sikkimensis is everywhere & fine

big flowers on it, also the Candalaria red one (microdentata?)

*Rh. lepidotum* 2225

An interesting Rhododendron dwarf 2225 of which only

*Sm. pseudophyllocladus* 2230.

one was seen, & another gentian 2230. I rode up

almost all the way, very pleasant to do so again, &

then had four hours on the hillside up here. The

path up here is pleasantly easy after the Kinpor,

but steep between Yume & Gampo Rong. There are prim.

all the way up here. The river is barely fordable even

here just now.

Lus. Sin. 350

Obtained on Rose Finch - *Procarduelis rubescens*  
Near in Peking in 1933 1934 Two plumbeifol  
among in the Conifer forest of the West Gate N. 5 of  
the main range in 1936

Location at Singo Samba  
Lopa Lho La Chiu

*Pedi. megalocila* v. *ligulata* 1874  
var. nov.  
*Megacoccyx atepthora* 1875  
Prenon 1876  
McC. *simplex* form 1877

Larva with young 15500' E of Tahan ha.

Nappies pretty common at Zinsakti.

White breasted Nappies.

Sherriff  
Takar ha

106  
18. *Polestis glabra* var. *rhodocory* 2231, *Santalella* 2233, *Androsace* *parryana* 2234.  
*Androsace* *oblongifolia* var. *canadensis* 2235, *Anemone* *divisa* var. *pauciflora* 2236.  
*Corydalis* 2237, 2238, *Pedicularis* *oldenii* 2239.  
Sherriff

28<sup>th</sup> June - Camp Zimsatui 14000' 80 miles. Rained hard all

*Paeonias*

morning as we climbed to the Takar ha (16700') at about

*Androsace* 2240.

Sl. from 2241.

no 5. The rain continued to half way down here, then

*Androsace* 2242

*P. lepidota*

2243

we were in the dry zone, & could see there had been no

rain down here. Both sides of the pass have much snow,

old avalanches which will stay all year I suppose. There

were masses of primulas on the E side, far more than on this

*Paeonias*

side. All kinds of *Sibiricusis*, yellow outside (22 = 22), the

red one 2158 in masses & the little white <sup>various</sup> 1655. But nothing

new could we see. At about 15500 saw four hares with

young. Caught one chick & skinned it. Snow made it difficult

for the ponies on the way down, then had a job unloading,

walking over their saddle clothes & then on again. All

bare shale slopes both sides near the top. On this side

the descent is steep most of the way every step down the

*Paeonias*

last bit to camp. *P. bellidifolia* is pretty common on the

open hillside & among scrub. K.W.'s new *Sibiricusis* is not

common. It is a queer flower, the claws folded right back

on the tube & calyx - not altogether pretty, but with a

most beautiful scent. *P. Tibetica* is still in bloom & growing

duffins

June 28<sup>th</sup>

*Mec. zeyheri* 1877. *P. Dehiana* var *parklingii* 1878. *Clusia zeyheri* 1879, *L. Naranjo* 1880  
*Rhois. transpura* 1881. *Rhois. campylogynum* 1882. *Rhois. forsteri* var *reflexa* 1883

*Androsace zeyheri* var *Carstensii* 2235

to 4" high. There is a very fine *androsace* here No. 2235, a beautiful bright colour, the under surface of the petals contrasting with the upper. It grows to nearly a foot high. Our stores from Chusam arrived here with us - the wireless, batteries & some rations. A great number of people seem to be going to Sanya Chöling, many or all from the Kintan. About 60 passed by here as I was shaving this morning, all carrying bundles of bamboo poles about 12-15 ft long. The majority were women, who are not allowed to go the Kintan, but go from Totsen to the Sha ngu ha & Simoneri. Ponies today took from 6.0 am till 2.0 pm. Here there is a strong wind, & the sun is shining most of the time - very pleasant for a change again. One can see the mist that comes up the Tsari Chü over the end of this valley heading for the Cha ha. No news of the mail, which I'm afraid means it has not yet turned up in Sanya Chöling.

29<sup>th</sup> June. Sanya Chöling. 9m. 10775'. A perfect day from morning to night. The range of the Tanan ha catches all the rain, & clear & dry & sunny. I was surprised to find to

(disca)

June 29  
L. 136. Weather most regular; rain at night.  
Morning fine, afternoon cloudy & rainy.

July 29

Lindlow at  
Singo Samba →  
Dhota Cha 29th

dis. 137

Lindlow at Singo Samba.  
Clematis montana var  
longilobus 1888

Rhod Sangpoenne 1881. R. campylogynum 1882, formosiva Japan 1883. 108  
Deapani hirtellae 1884, Riv. Valentiniensis 1885. P. Elizabethae 1886 sp. nov.  
Onphalogramma brachycephala sp. nov. 1887

see how much more prolific the flowers were on this

side. The most interesting things were a new primula

*P. Jaffrayana* 2257  
*Grindelia* 2257. Common to quite low down. A beautiful iris 2251,  
2257 which I think is more likely to be Kw's Korta iris, a  
*Incarvillea lutea*  
a queer like like appar 2252. I don't know what it is.

*Delphinium* *Thalictrum chelidoni* <sup>2253</sup> was in flower about half way here,  
*Menula* beautiful as ever. There were also a number of

*Lochner* 2256  
*Jaffrayana* 2257  
*Delphinium* 2258 shrubs in flower too. Altogether yesterday I collected

*Dielsophila* 20 different species. Now I have no paper left to  
*Samoligama* 2255  
*Grindelia* 2257 but the dried flowers in. No mail turned up, but

*Poa macrophylla* var. *pinnata* var. *varia* 2247  
*Antirrhinum* the runner is here. He found no mail in Tsoua. We

*Geranium* 2249  
*Poa* thought he was doing us down, but he had a clue

*Utricularia* 2250  
*Geranium* from the Dzungpen which shows he was alright. On

*Gracilifolia* 2254  
*Panicum* last outgoing mail was still lying there, but both were

*Ribetia* 2258  
*Jasminum officinale* 2261  
sent on by the Dzungpen.

*Sanga Cholus*  
30<sup>th</sup> June. Halt. Another perfect day. Packed up mail to send to  
Koumou via Charal. Packed up as many dried flowers as  
possible, but have no paper, with this contumacious kamacha  
going on, I cannot get hold of anyone. I now only have  
about 80 sheets of drying paper to play about with, which is

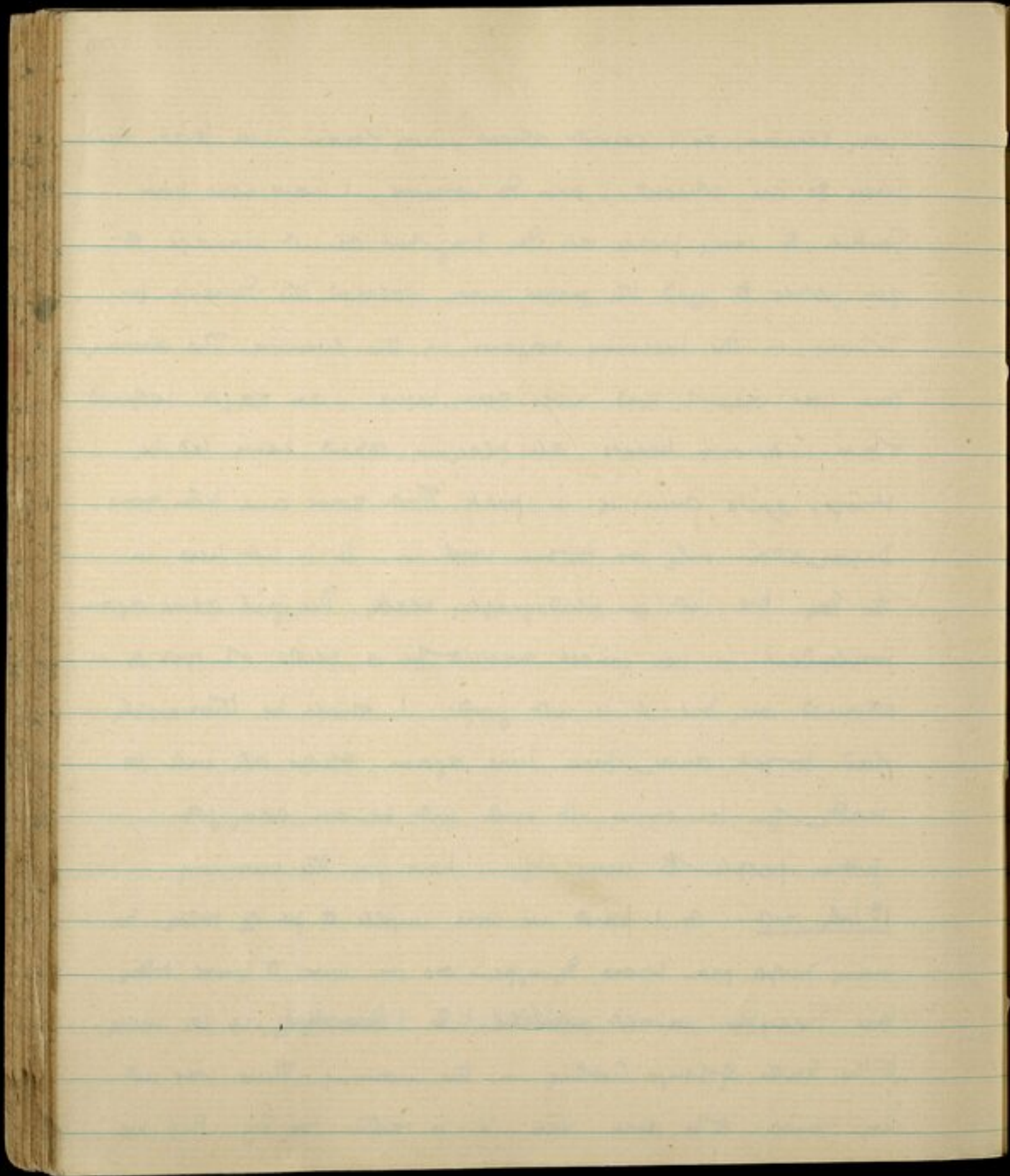
L. 138

Leptopocils. S. of S. Chöling 13000'. 1.7.36.

Lindlow at  
Singsa Parva  
Rho. pumila 1869.  
" melongena 1890.  
Onchopocils  
Russii  
1891

very serious, as I cannot collect many flowers with that. And when 80 are collected, I can do no more. I have sent poor Tandin to worry people all day long, but cannot manage to get people to find the paper now. Watched the dancing for 2 hours in the morning & again in the evening. The evening one was one I had never seen before - an eagle, leopard & two unknown beasts all playing about, being led by strings, quite amusing in parts. Took some cine film some Dufay colour only as the sun went in. It is not here in the day, too hot for photography really. The girl came again resplendent in her finest, asked for a photo, & took a coloured one, but it is not good. I shall be thoroughly glad to get away from here again, & hope all will be ready for tomorrow. It will not be an easy job getting people to move from here in the morning.

1<sup>st</sup> July, Hakt. As I feared, we were unable to get off today. So many people from Lhasa, Dzongpens & on were to move today, that transport was not available. So I went off up the valley to the South of Sampa Choling in the morning. There was not very much to be seen there, it is rather too dry. But we



got one or two flowers including a new *Lonicera*. There is a small village of 2 houses a jump up there, tucked away in a very steep valley. When I came back I found the mail had not gone. Our *Dakshi* was engaged by another man as servant. I was pretty vexed at that, went for him, but luckily the new master had just gone off on the kingdom, so we sent the mail off soon after 11.0. He promises to be back by the twelfth day. Today has been a succession of interruptions - would I change silver Rs. for notes, had I a torch bulb for sale, would I give the pretty girls another some cigarettes. The notes turned out to be Tibetan notes, so I refused. I never knew there were such things as Tibetan notes. We have collected about 50 more sheets of local paper, so now have a pretty good supply of drying paper available till the mail comes in. We are promised transport for tomorrow, have a man appointed to come with us as far as we want him to make all arrangements. So all now seems set fair. There has been some trouble with coolies which I cannot quite make out. They refused to come reported getting too little money or pay. They were

Babax waddelli common Charms, singing quite freely.

Ludlow at Loba Sackakotiri

Crematoderm 1892

Rhod. campylotropis 1893

" cinnabarinum 1894

" ludlowi 1895

Mikongense 1896

Lp 138<sup>9</sup> Assat to do La gradue stay.  
races all leave silver for forest until  
within a mile of the summit.

of 2000

134  
apparently the cobras are alarmed: they  
appear opposite for the Sackakotiri pass.  
They form 3 arrows stuck in the ground  
in the road & this is supposed to indicate  
opposite to our entering into their country.

taken to the lama Dzungpen who bow them off properly. Either the reason is because last year K. Ward, having no passport, gave them very much more than the normal, or it is just a try-on. But I think it is due to K.W. because they have been always telling Tendun that we have no passport, so they won't take us. Actually we give them much more than any official ever would. A man giving Tapiwa for the Lhasa military officer for 1 shao for 2 days, whereas we give 2 shao a day.

2<sup>nd</sup> July, Charme, 10200' 11 miles. A perfect day, not nearly

*Winkler fletcheri* 2269

as hot as I had expected, as there was a strongish wind

*Winkler fletcheri* 2272

always blowing up the valley. We had to change coolies

*Lonicera quinquelocularis* 2273

at the first village, Tankon, that rather delayed things,

as only a few were ready. The last to be produced were

old ladies of 60 or so. We were to change at the second

village too, but there were no men there, so we did not,

arrived here at 12.0. Too dry to be any use for flowers.

Only got one cornucopia, one *Lonicera*?, & fern. The peaches

here are very hard & unripe yet, we saw no porseberries

as we had hoped. When I paid the men - or rather women -

Notes for Next Trip.

- Presents. Broad cloth. Cellophane (tuck, yellow or red). Cigarettes.  
Mirrors. Scissors. Needles ordinary large. Hats  
Saffron. Safety pins. Pipe borders.
- Photographs. Dufraycolor F.Pros. Lumiere cut films. (Two developing tanks  
to pt.) Kodak supersensitive film packs + some cut films  
same make. Rytol developer. A few infra red. Filters  
only shades all to fit both cameras.
- Flower notes. Note book with 2 pages for each of main interesting  
species, to note places seen.
- Clothes for Servant. Bistras for Pintso, Tenduk + Tsongpen.



1202 Primula erythrocarpa? Salden to Takhtoo 9.3-14.3. Chaugpu 21.5. Gyipu 22.3.

Sakti 25.3. Pangchen 31.3. Trimo.

(White)

1166 Blue Primula. Mera 9.3. Nyaksung La 13.3. Salden 13.3. Gyipu 22.3. Lepo 7.4. (1291)

Lung. 1388-12000' 29.4. Kyimpu. Chosam - Migyitum. (Paken gao' - 12500' (or more). Kingkon.

(Boothii)

1167. Pink Primula. Mera 9.3. Salden 13.3. Ngamjang Clm. to Lepo.

1126 Primula filipes. Chungkar 26.2. Yonpu La 1.3. Takhtoo 15.3.

1147. P. Boothii Yonpu La. 1.3. Choling La 2.3. Takhtoo 15.3. Pangchen 31.3. Le.

Lepo. 8.4. (1292)

1278 Primula (denticulata) white eye. Le-Lepo. 5.4-9.4. Trimo 10-11.4. Po La-North 12.4.

Le La. 16000-12000' Cha La 13.14.5. Tsari. mid May. Kingkon.

Primula pygmaeorum. Tsoma. 12.4. Tre, Gyisum 16-17.4. Nyala La 15500' 18.4. Loro to. 18.4.

Le La. 16500' 8.5. Cha La. 14.5.

1566. P. bellidifolia, Le La. 8.5. Shagam La. Zimsati.

1561. P. macrophylla. Le La 8.5. Cha La. 14.5. Migyitum 17. Kingkon Tsari.

1592. P. glabra. Cha La. 14.5. Podzo Sundo. Migyitum. Bainsi La. Kingkon.

11 12 13 14 15

