

Orchids.

1936. Book II.

July 2nd to

L. p. 141. However some of the Lho La are not in all tracks as they are on the N. face. I have been making a mistake in calling this pass the Lho La. I thought I meant the South Pass. (Lho = South (Tib) but apparently I mean the Lopa Pass as the Lopa country formerly extended to the pass. The Lho La despite its low altitude is evidently in the main range. It now we have been passing following since crossing the pass got down into India I don't not empty into the T. range.

L. p. 140. L. 140.

In rain forest a Pachakohini was in a small tree trunk, and in all my Himalayan wanderings I cannot recall a worse track than that which we descended from the Lho La. (July 3) we had to wade every footstep, & were not able to see our eyes from the ground. Besides falling giants found the forest to be dense the path very narrow. We saw up brown trees in gnarled trunks & were for ever climbing up rock faces & bushes to reach a narrow notch in the top. Collecting under such conditions was naturally extremely difficult.

We were told that Temminck's Tragopa and Silalari must have come from the westward was as preserved a ♀ Tragopa & 2 juveniles. Perhaps the most interesting bird we secured was *Actinodora n. inflaensis*, first recorded by Godwin-Austen in the Dapta Hills in 1875 & the last sight of it was preserved in a Pachakohini. The next is (1884)

Sibia nipalensis inflaensis (L. ibid 84) - found in 7 July 1904 by Andriewsky in the Dapta Hills was *Speleocornis zoubi soulei* 5 July 1904 (called S. S. sherriffi when released in 1933-1934). See also 176.

L. p. 140
Ludlow at Lho La
Pachakohini

Andriewsky's Tragopa 1900
P. genivittata 1901
P. atrorufata 1902
nomansana 1903
Phid. keepii 1904

here, the money was all taken by the man I have had sent with me. He says the lama takes it all. I refused to give it him, but he says that the coolies are quite happy about it, & always give it up, & he then divides it amongst them all later on. It sounds a rotten arrangement I must say, at least they don't get much of it themselves in the end. A road goes off here to the Drosching La, said to be the best road, but I want to go to Kyimpon from where another passable track is supposed to lead to the pass.

3rd July. Kyimpon. 8 miles. 12800'. Fine till about 2.30 when there was a lot of thunder & for the rest of the day heavy rain. Obviously there had been little rain in this valley, as nearly all flowers & leaves were drooping, if not dead. The locals say that they had one heavy rainstorm since we were here last, nearly two months ago. Paid off the lama's man Norshu, & was thoroughly glad to get rid of him. He is a rogue of the first water & exercises awful 'zulu' on the locals. The headman of Kyimpon had told us in Sampa Chuling that he had the eggs of

1B July 4th. hrs. 141-143 for description of journey.

Kyngpa July 3. *Rosace alpina* 2275. *Onoser hookeri* 2276. *Sellera cham* 2277 (113)
Doutzia hookeriana 2279. *Pedic. longifloro var tubiformis* 2282. *Mec. bella* 2283

a crenoptilon, but when he brought them, they turned out
only to be those of a partridge, a great disappointment.
There were four in the nest, of which he broke one.

Prenia A good many flowers on the way up, lots of the
Jaffersonia *waldenii* 2256.
Prinnia 2257, of *Tibetica* just below Kyngpa 2258. Also
Incarville lutea 2252.
of *Id.* of 2252 of which I took some of last year's seeds,
which appear to be good. *P. abundantata* is in seed too,
Prinnia at least a lot of that. *Mec. bella* 2283 is in flower

Doutzia here & there up here. There is a nice little *Doutzia hookeriana* 2279 in
the rocky gorge between the two bridges, which is both
Sellera fragrant & pretty. And the *Daphne* 2277 is a nice little
thing, looking prettiest when it is half out - red in
the centre, of the buds, contrasting with white of the
open corolla all around. I think we should do well
up here. The locals are all friendly & soon for
anything as far as I can see.

Leda 4th July. *Leda* *Halt.* More or less fine till 1130, then heavy
rain most of the day. Bought a sheep for Rs 27. We
all went up towards the lake, turning off right
Prenia before reaching it. *P. bellidifolia* *lycoides* 2294 is very common

Leptopoeaile. 13500'

Snow-cock with 15-20 days old young. 15500'

Crossophilum nita young 13500'.

Blackbird 15000'

Babax waddelli. 15000.

Peraps herpaja. 16500'. MB

MB

d. 143

MB

Siedlitz at Nyugda
Barkakobon

Magnolia glabra 1907

L'Isle Bureau - Spalacome

Sonla Sonla

L'Isle (S.S. Steinfelt) 1833-1834

Nyugda means the bamboo pass.

one can see bamboo on the ridge not far distant

Pointe reported dense bamboo forest on the actual summit 15 miles W on the neighboring 12000' mountain

P. consocia 2284. *McC. homocela* (Winkler) 2286. *Sax. zosterifera* sp. nov. 2288.
P. hypoleuca 2294

Membr. indeed all over the hillsides, but no others bar *P.*

trichia, *pygmaeorum*, *Routii* & *macrophylla*, with a few late flowering *abundata* masses of *sibiricaensis*.

Pedicularis

The nicest flower we saw was a *pedicularis* 2293, ^{*Ped. bella* & *holophylla* 2293}

from the nala just 1 m above camp. Another *pedicularis*

Ped. nigalochila 2290

^{*Ped.*} 2290 is also very pretty. Saw masses of *erosophila*

^{*sphaerantha* 2295}

with their young about 100' above camp. They appear to have eaten 2 or 3 of chicks. Saw two snow cock pretty high up. There were many young birds with them, able to fly.

Rh.
pallidum 2201

^{Le La} 5th July. Halt. Fine most of the morning & part of the afternoon. Went up to the Le La direct, then turned left into another valley, & circled home. On the pass there is

Gentian amoena pallida

now no snow either side. *Gent. amoena* forma *pallida* is fairly common just near the top in pure shale scree. I also saw it further to the left on a ridge further south. It is not yet out, but I could see the flowers that they were the pale variety. The only other interesting thing

P. consocia 2284

(*Nov. of*
low 1930)

was *prim. rotundifolia*? No 2284, of which we came across a good deal away to the L. of the pass. It is different to

Andreas Nygård

the Biunki La one I am sure, in that the leaves have longer petioles & are much rounder & are cut up more. The flower is not so lilac, but pinker. Yesterday we got a good haul of parnassius, but rain spilt things today, & we only got 6. Some of these Leha ones should be good. I do not remember seeing the smaller one before. There were lots of babax haddelli about at 14500 or so, & some blackbirds too. Saw no other birds of any interest.

6th July. Camp N. side of ^{Dreckung La} Dreckung La, 15000'. 8 m. We had to go down the valley for a couple of miles - to the last house on the path, then turned south over the main stream by a bridge. Thence for five miles the ascent is very steep indeed, nearly all the way through thick rhododendron jungle. Then the open hillside is reached, & the path ascends for another mile. Thence steadily downhill, along steep rocky hillside, past a summer encampment of yak herd, round a spur to the second stream. Beyond this there is no wood available.

Camping ground is not good; very little level space available.

P. caudatus 2305

Up here P. caudatus 2305 is common & is fully out, a beautiful little thing, with a big flower. There is any amount

Brachids seen, common, at the extreme of
Modocendrom, about 14500'.

Cronoptilon at about 14000'.

Siberian Triangle

Packakokum

Dalya hookeriana 1908

no further Siberian fields like
until 1876

dated from 1876. I got a D. xps

which is different from the Siberian
D. xps, perhaps to be 'D. deflexa'.
This was obtained by Godwin Wilson
as far back as 1876 - See D. H. S. Ex
- Siberia nipponensis deflexa.

P. bellidifolia?
P. bellidifolia. We saw one piece of *Pedicularis bella* 2306,
 otherwise nothing of any interest. But the hillside looks
 promising, perhaps a little later will be better. Fine all
 morning, the afternoon drizzly. Clouded all day. We collected
P. atrodentata again a lot of seed of *P. atrodentata*. We have van
 transport only. It would be rather too much for ponies. Left
 at 0615, in at 1230.

7th July, TRON, N. side of river. 7 miles. Path continues
 to ascend, in very steep most of the way to the Droshing La,
 about 16000' at m 3. Mostly over shale scree. Descent on
 South side very steep over shale for a mile, then easier
 along a ridge for 2 miles. The final mile down to Tron
 is again very steep indeed. CA food, water from irrigation
 canal. Rain all day till we got two miles down this
 side of the pass, when we were again in the dry zone.
 All houses here have flat roofs. On the ascent, came
 across a nice meconopsis 2309 which I do not know, •
Meconopsis sp. 2309
 cannot make out from Taylor's book. The flowers are a
 pretty pinkish wine red, one on a scape, • I don't think
 more than 2 to a plant. Leaves basal & cauline, all very

Spine tailed swifts about 14000' S. Japan.

Crossophilum on S. Japan about 14000 ft.

P. muscoris 2311.

usually covered with bristles. It does not seem to answer to any of the descriptions in the book. We also saw the little white primula (^{muscoris 2311?} *minutissima*) which we found the day we left Tama La on the way to Taktsang. *P. bellidifolia* was plentiful till pretty low down this side, & the small *Prunella* *androsace* was beautiful. Otherwise not much. The *Sauya Cholung* iris is here but not very numerous. We were expected here; the *Changul Dzongpon* has been very kind, sent orders to do everything for us, also a present of 100 eggs & some flour. I have planned to go to Lhug for 2 days, then to Karuba or the *Kashongha*. It should be reasonably dry this side of the La, but the locals say the rain the other side is awful, you can't see a yard for mist. That sounds pretty good for flowers I think. It is very pleasant here, & has been dry, but down the valley just beyond Nabrampa I should think it is very wet indeed. Sent the *Dzongpon* a beautiful red scarf, & a letter of thanks. I wish the *Sauya Cholung* people were as nice. A good many *lopas* here, who have come over from the south, by the Lha La. They bring up rice to trade with salt.

Nyugda

sp. det. at Nyugda camp
Took 2 miles to reach streams for 5 mile detour. As camp steep. There were 3 nullahs
to cross where the gully was bad. The last 500 ft being dense bamboo jungle where the
pass gets its name. There were a few Ceapen a bit of the pass. Summit is 11300 ft.
The Nyugda is one of several important steel cross a ridge, like the passes we were
continually crossing in Bhutan in 1933 when we were traversing it from W. to east.

Chromophilum on S. side of Anayel Adu, above

Trin

Lbs of *erythaca* at Natraupa.

8th July. Natampa. 8 miles. 10247'. Fine, clouds high up the hillsides, but hot & sunny in the valley. Rained during the night. Left at 545, in at 1030. The valley is much greener than when we were here before, but obviously very

Semiaquilegia exaltata 2316

dry still down here. Found a pretty aquilegia at Triin, & John's wort very common there. From there on iris,

Iris decora

the pretty little star shaped one 2251, is very common, & the flat on which we camp here, is covered thick with them. At one place - where the latter used to be - the road had given way. We put a tree trunk across the gap, but the whole thing gave way with a man on it. He had a warty moment, but managed to get over alright. The river is very full now, no longer the clear stream it was. It is a filthy muddy colour now. No birds of interest, except one 'bad' cat' which I missed twice here. I have foolishly brought very few cigarettes with me, show to ration carefully.

9th July. Lung. 9200'. 7 miles. Rained most of the night & half the day, but some sun too. Saw very little on the way here, nothing of interest. The lilies are all over,

Crossed near junction of Char & Channel
Cross, N. side.

L. Hill at Nyngda

I have not seen a single flower. Went down the valley a mile or two, very thick jungle, but nothing seen. It is impossible to get anywhere unless there is a path. The bracken just beyond camp is 6-7 ft high & quite impenetrable. Two days will be ample here, after which we will go up to Karuthra. Butterflies fairly numerous in the morning, but all in rather poor condition. There is a strong wind up the valley. No birds of interest, but crossbills heard just above Lung on the North side, above the junction of the Char Clm. I have been getting some fresh fruit now & then. Rather unripe but excellent black currants at Kyimpu - gooseberries at Natraumpa & here some really good white raspberries. They make a very pleasant change to the apple rings, which, if any, is the only sweet we have now.

10th July. ^{Day} Halt. Fine half the day, but wet all night, & a good deal of the afternoon, with sunny patches. First went up the valley to the SW, but saw little but a *Briggia aurea* 2330 *Briggia* yellow *Didissandra* 2330. I decided to go down the valley in the afternoon, then finish with Lung & return.

d. returning to the da

This afternoon we got several flowers, the two most

Photo crasseum 2332, 2338

"igneum interesting were two rhododendrons. One No 2332, I think

2334 of 207

trichoclada

2338

2335

is the same, a beautiful Maddenii ser. rhododendron.

Pteris

with ascent which we got from a long way away.

R. igneum sp. nov.

Another pretty one 2334, like a *R. cinabarinum*, only

bigger I think, with fewer flowers. These were rather

surprises to me, but I have seen Maddenii in flower

nearly as late as this at Saldan. Got a few

but not this too, but all are in bad condition. The

juice 4 miles down is very dense, like that near

Lao in Bantam. beeches were scarce however, a tree

still pretty numerous. Saw no *Prespyga* at all, although

the jungle is just what they should be in, no other

birds of interest. It would be interesting to go 3-4 marches

down the Charul Cun in June or even now. All

L. giganteum are over now.

11th July. Natrampa. 7 miles. Rained hard all night, & most of

today. Nothing of interest of the way up, except two birds I shot

just before reaching here, the same as I had tried to get on

my way to Lung. The heavy rain had swollen all the side

2
P

streams considerably, & some of them were not too easy to cross. All bridges had been partly washed away, & in each case there was only one thin tree trunk left to walk on. I was amused to see one woman cross with her load, take it off & come back to take a man's load. The man was obviously her brother, & was a bit 'pagal' so they say. Stayed in camp today, changing flowers etc., & had a 'bath'. Ludlow & Lumsden have the only tub, so I wait for a warm place, have a basin in my tent & make a thorough man of the whole place sponging myself down. The date runner was supposed to be back in 12 days, & tomorrow will be the 12th. Of course that depended on whether there was a mail in Tsuna or not. I do hope he managed to get one there.

12th July. Karutra. (about 13000') 8 miles. Fine till 10, rain the

Inconspicuous Liliaceae 2392

rest of the day. But even here the valley is not very

Pyrola 16 (Munro's) 2393

wet yet. I think rain has been scarce this year on the whole so far. The path climbs steeply up the valley side to Dostang, a small village with a good deal of cultivation. A little beyond this it goes level for $\frac{1}{2}$ miles. Then most of the way a steep ascent through

T. Heinzi at Karutha & all the way up from
the valley.

Crossophilon about 500 ft below Karutha.

forest of Rhododendron, fir, larch & other trees. The gumpa at Karutra has one lama in it. There used to be a village of a dozen houses here, but all are in ruins now, no other people live here. CA fairly good. Mud for horse trails I have seen them anywhere. We did not get

Stemmatogaster caeruleus 2316

much. There are many aquilegias on the way up 2316,

Dedusanda blungana 2313

& a lot of the blue *Diddisandra* 2313. Up here 2346 was

Diopansia wardii

Diopansia wardii

the only flower of interest. No sign of the mail.

Passing through Drotang one of the woman evolis was bitten above the ankle by a dog - a very deep & nasty looking wound. I dressed it as best as I could & left her there, Tendun telling the locals that his dog was well, then went to feed her horse. I think that a little further up the valley may produce something, & have great hopes of the other side of the Kashingha, which means south of the main range, in the really wet zone.

13th July. Camp below Kashingha. About 14000'. 2 miles. Fine, with quite a lot of sun all morning, & in the afternoon up to 3 pm. We could see the lunch rain mist on the south of the range, & it just trickled over. I was up the

Placentic
Cremophilus.

Ludlowella packardiana

P. lacta sp. nov. 1910

" longeni sp. nov. 1911

subtilaria 1912

hills to the N of camp, & was in bright sunshine & pretty heavy rain for an hour or two, both going on together. Still this place is dryer than I had expected, though it looks as if it must be pretty wet on the whole. There is another primula here - a *rhynchodictyon*

P. littledalei 2349

Section - No 2349 - Different to both the Bimsi La one & the La La one. Tandon also found from flowers only

P. barbata 2350

of another new minutissima one 2350. We could find

P. tenuis 2354

no more. Two gentians - one I think *G. prostrata*,

Pent. caerulea 2353

2353, & two saxifrages. But very little of everything

Sax. hepaticula 2348

Sax. lanata 2357

was found but the prim 2349. *Crossophila* & snow

cock are almost together on the hillside just below

here. Blackbirds numerous beside camp. An coolie

returned except two. They have done me very well

indeed. No sign of the mail.

^{Kashongda}
14th July Halt. A good morning till about 9.0 am. After that gradually becoming fouler & fouler. This evening it is just coming down in streams. Otherwise a day full of event. I went up to the Kashongda, a climb of 1000 - 1500 ft. Sheep but otherwise easy. Blue thies

90
90

P.
P.H.
P.M.
P.C.

P

90

Pentstemon leucantherus 2358, *P. phyllotrochus* 2357, *Meibomia* 2358, *Aspidotria Kesselmann* 2360.
Pentstemon Taylori 2361, *P. subfimbriata* 2362, *Geit. Sternia* 2366, *Geit. pseudophyllotrochus* 2367.

This side a thick mist the other. On the way up saw some gentians coming on, but not open. Also the little white prim. we got first between Tama ha & Taktang. On the other, there is a really fine yellow

P. helenus ²³⁷⁰ *primula*, with enormous flowers 2370. I measured some flowers at 1 5/8" across. They have a darker, orange yellow centre. We also got some of the minute *Primula*

P. helenus ²³⁵⁰ *prim* 2350, which is very pretty indeed seen in masses. Gentians abundant, but hardly one fully open, which is no wonder. The finest is 2357 with a very big flower.

The pass lies East from here, & E of the pass down the far side about 1 1/2 m, & 1500-2000 ft below is a large lake, a beautiful column, which empties its water into the Chagat Chu in the valley which enters that river about 1 m. below Lung. Over the Kashong ha one is in an amphitheatre, with the lake in the centre, & precipitous hills close all round. The path leads pretty steeply down over snow & shale scree for a mile, then round R. handed to the south, crosses a second valley, up over another pass. Then down to the

the

la

Lopa country, we met some lopas coming up to trade with Trün, & they said their villages were very low down, it took ~~5~~⁶ days to reach here. From Karukha there is a short pilgrimage which we did today, over the Kashong La, round to the right & back by the Shup Ten La, which is about 3 m South of here. The lake is called Lagyap Thungtso - Thung being one of the very long trumpets they blow in monasteries. The locals say that they can see one in the lake when it is clear. In the dip on this side of the lake, we found other ferns in plenty, & two new primulas, both very pretty but nearly over, 2359 & 2373, the latter with huge 1½" flowers & only standing the same height off the ground. On this side of the Shup Ten La, where it is also pretty wet, we saw masses of the white Sikim. prim we took on the Tahar La, & also to my surprise Prim. Candourana, & huge clumps of *paraquilegia*. Soon after getting back to camp, the daheli came in, but no mail. However he heard that our mail had

*Primulas**P. sinensis**Chamaejasme 2373**paraquilegia*

Ludlow at Longo Samba
21 Molo
Pedic. fleischerii 1915

Ma
12

Pa

De

reached Tsuna after he left, & had been sent on on a zho. The zho had given out at Aya Sum, & the man returned. So where the mail is now, we don't know. But it is on the way, & a very fat one it seems. The dahchi returns tomorrow to Chayul to arrange to bring it on. I have decided to stay here a week more. The area is huge, & I can only do little bits at a time. There is always this Kashompa to climb, & almost anywhere one goes means climbing up 4000 ft or more. The ideal camp would be somewhere close to the lake, about 1000 ft above it. A most interesting day. From the weather point of view a most foul one.

Keshongda

15th July. Halt. A foul day, rained very heavily all day.

Plan. gressivum 2374

Microphylla

var. macrocarpa 2375

Phyllocolpa

2377

Went over the Kashompa again, scoured to the left on the far side, then kept high to the R. But we got little, but some more specimens of what we got

before. No new primulas. Possibly the Diaparsia is

Diaparsia tinianensis 2376

new. It seems so much bigger & I can't see

Blackbird just N of pass. 14000'

Grandala just S of pass 15000'

L. July 16 - To Kende.

L. July 17 to Langong - Good description of journey

L. V. Route

Led to Langong July 151-152-153 - July 17.

July 15 to Pa da, Loba

July 19-20 Pa da.

July 21 to Kyindong Dzong.

L. July 27. From Paekakou in return to Kyindong Dzong by a unexpected route via Langong & Pa da 15500. Then marched along the Tsangpo valley to the Wang of Mang Dzong. The hot dry valley of the Tsangpo was a welcome change after the perpetual rainfalls of Paekakou. From Mang Dzong we turned south & ascended the Lapha Chu valley to a chain of lakes. Kyin, at the foot of a pass called the Sur da (15700) leading into the Tsari Valley. The neighborhood of this lake is called Tso bunang or the narrow by compass woods we discovered a Tit-warbler (*Geothlypis trichas*) a Palauarctic Bird I had expected to see so far to the south. - L. July 28 - Kyindong. From Tso bunang we returned to Sarge Chong when we met Sheriff a 30 feet rumpless rick. Besides the archer of the film had exceeded our expectations. - From the birds seen on the whole were satisfactory. No other however were few & it was evident that the main interest in the collection would center round the habits of the various species.

stomata on the upper leaf surface. Came in at 1.30 pm. The mail arrived soon after, a huge one, sent from Kumaonhata on 21.6.36 including mail from 28.4.36. One of our outgoing mails is lost, the one sent from Lepo on 8.4. It is a damned nuisance, & contains a lot of interesting photos among many other things.

^{Kashong La}
16th July Halt. Very heavy rain all day. Stayed in Camp.

^{Kashong La - Changa}
17th July Halt. Yesterday & today have been as beastly as could possibly be. It has rained now for three days without a stop, & snowed last night. The Kashong La was covered with fresh snow this morning it was raining hard. I thought of not going, but had planned to do so, so started off at 6.0 am, & came back at 4.0 pm very tired indeed. First there is the 1000 or 1500' climb to the pass, then 2000' drop the other side. After crossing some avalanche snow at about 11.30, the path goes level for a bit over rough stony hills side, then up over the Changa at about 1.30. I had been told that beyond this the path dropped steeply to the Lopa country.

But it certainly does not. It goes down a little, then level & up, keeping left handed till one must be going east again. The path is not good, mostly over stony hillside, where there was little or nothing to be seen. I went on to about 1/2 mi where there is a large cliff on the left, with water coming through it, then pass it up. We were too high, & there seemed ~~to~~ no prospect of getting low enough

Cephaelis thymifolia 2390

Asplenium 2391

Sida acuta 2392

Polypodium 2393

Polypodium 2394

Polypodium 2395

for flowers. So turned back to a small nala about 1/2 mi beyond the Chaugla, went straight down this. It leads to a very nice grassy plain 150' broad & 300' or so long, with cliffs on the N & steep hillside on the South.

Nec.

simpliciflora

Nec. denata 2384

The plain is covered with *Nec. simpliciflora* in flower.

Sida acuta var. *puberula* 2379, 2383

On the N are a few rhododendrons & a pretty red

Sida acuta, 2379 - 2383. Before we got there, we came across

Polypodium 2385

a most beautiful *Primula* 2385, which I think is different

Primula 2396

to a rather similar one collected at Mipa, above Dawong

in bud at Natampa. The leaves are very similar, though

bigger, the flower is very much bigger, it has the

white of the orange eye hairy, which I did not notice

in the Mipa one. It is a magnificent *Primula*, but a

Heteronemus stellatus S of Champa at
about 14500. Tame. None.

A good many *Cirandala* seen S of Champa. 14500'.

bog one which is probably hard to grow. A white primula
 appeared rather different to a similar one taken on the
^{*P. pubescens* subsp. *alpina* 2382}
 Tahan ka, so I collected it too, 2382. Probably the most
^{*Prunella* *serotina* 2384}
 interesting specimen taken was the meconopsis 2384. It is
 small, & the flowers not very noticeable, but a delicate
 shade of pale blue violet, with basal & cauline leaves much
 cut. On the whole a good day, but beastly for
 collecting, & the long climb back to camp, up & down &
 up & down again very hard work. I should like to have
 camped beyond the Shauka, & get away down the
 valley to the R. There should be good stuff down there.
 Passed another bunch of Lopa men & women. All seem
 perfectly friendly. How they manage these passes I don't
 know. They wear next to nothing, & that barely comes
 low enough to be decent. One returning bunch this
 morning reached our camp, & then gave up, seeing all
 the fresh snow. I don't blame them. Later on when more
 snow comes, I'm told many are killed on this route, &
 we came across a skeleton Lopa today. It still rains,
 & there seems no reason why it should ever stop.

Ludlow at Pa La, Kyim Dzong.

18 July

P. macrophylla 1919

P. yungonensis 1918.

Dicentra panching 1922

Pen phyllocory 1919

" *nambanensis* f. *caulerana* 1920

Ludlow at Pa La near Kyim Dzong

Pedicularis megalochila f. *rhodantha* 1923

Prunella chamaecitronum 1924 *Candoliana* 1926

Gentiana phyllocalyx 1926

Cisampelos nervosa 1927

Kashong La - Sheriff

18th July, Halt. A reasonably fine day, with a little sun now & then, not much rain here. Only went up the valley towards the pass, but came across one or two interesting things.

- Cyananthus sherriffii 2388
- Schizanthus 2389
- Gentiana 2386
- Przewalskia 2386
- Tayloria 2389

A cyananthus (lobatus?) 2390, a small pure white pedicularis 2389, & a gentian 2386, which I think is G. ussuriensis. There was here little in flower, but I have marked off some coming over for seeds. Shot two wrens, at 1500' among large boulders, father than.

Kashong La - Sheriff

19th July, Halt. Fine for an hour or two in the morning & a little in the evening. Went down the valley to the west,

- Poncera mytilus 2393
- Tayloria 2392
- Gent. cornuta 2401
- P. moshchanskii 2396
- Muscivora 2399
- Pedicularis macrolopa 2407
- Delphinium 2402
- Cyananthus sherriffii 2402
- Sax. Draparnaudii 2398
- P. caudata 2402

then up the other side, over the top & round right handed.

A fairly good day. Found a primula like Sibiricaensis, but much smaller 2396. I doubt if it will be more than a variety, though it looks rather different. Further up

a delphinium, the first we have seen - 2400 - one I have not collected before. Another rather smaller cyananthus

2402 & a few other pedicularis odd things. Did not take a gun with me, saw blood pheasant, & three musk deer. Prim caudata is very common on the cliffs of the walls across the valley from camp, all in full bloom.

Ruby throats at camp.

'Kuling' are fairly common here, according to the yak man. He describes them as quite different to 'Lading' & 'Kongmo', mentioning the brown color, & that their habitat is not the hill tops, but the extreme edge of the rhododendron & the bare hillside. They come up to his yak clearing in the early mornings sometimes. He has not seen blood present, but I know there are here.

July 20 - Luding & Paha valley
near Kyim Dzong.
cyananthus. Wherry's 1929.
Plo. belliar. helophylla 1930.
Acantium tangense 1931

P. erythraea very common along the hillside 1500' above the river.

Acipitralisus also, •

L. 155. food description going to Kyim Dzong.

21 July. Luding & Paha valley
near Kyim Dzong.
Salvia castanea 1932
Dicaeoptalon *beneluganum*
1936, 1934.
Adiantum *milleri* 1935

The little *Tama La-Taktsang* primula is also common, - nearly always coloured violet, instead of the usual white since elsewhere. 1650' also fairly common near snow. Gentians are all coming on, but few fully out yet. Got a few new *parmanium* at camp, but nothing new amongst them. I have sent for the cookies to come tomorrow evening, with leave for Chagyal on the 21st. I think there is more to be had here, either from the other side of the Chagyal, or later on when gentians are in full swing. The local butter is very good, much better than can be had at Sanga Choling. This man gets no pay, but food + clothing. However he is very willing to sell, to get a rupee for an ornament for his wife.

21st July. ^{Natranpa} Drotang. 11700'. 6 m. Thick mist up the hill, - till half way below Karutra, then bright sun. Obviously there has not been much in the way of rain down here, - things still look pretty parched. Came across no pleasant or healing. Got one nice *terrest* at camp - *Bombyx* for an *acqitalisus* down here, which I am not going to skin. Pretty hot down here after last camp, where there

22. Trun.
23. Kap.
24. Cuscut.
25. -
26. Cyandro.
27. Kymptn.
28. Charus.
29. S. Cholan.

Lindau at Kyin Dzang

Arenopora liliiflora 1937

Codonopsis viciaeflora 1938

Ceratostigma minus 1940.
abundant in hills etc.

2. Rarus.

200. *Neltrampa*
Pedicularis Corydalis 2408. *Allium pratense* 2409. *Cornus macrophylla* 2410. (132)
Quercus semicarpifolia 2411. *Dryopteris alantifolia* 2412. *Poleptilum Wilsonii* 2413.
Leucostegia clarkii 2414

was almost always a wind with the mist or rain.

22nd July. 1m above ^{Tron} Trüm. 6 miles. 10500'. Another lovely day,
but misty ab up the valley in the early morning till about
8:0 am. I came across three things I have been looking
for today. First the gentian which was seen on the dry,
(but South) side of the river on our way down in May. It is
Gentiana waltonii 2416
now just coming into flower, in a fine sight 2416. I

sent a few of last year's old seeds to Edinburgh before, under
Ceratostigma mexicanum 2421
no number. Then I found a little *Ceratostigma* 2422,

just coming into bloom. I hope it is the same as the
Ceratostigma 2423
one we got at Khabhang in 1933, a new sp. And 2423²

Delphinium gyalsum 2421

Bryonia aurantiaca 2420
the same creeper (Viola blue) which we got quite near

the *Ceratostigma* at Khabhang, a beautiful flower,
but only just coming out. I took the high road
this time from Drotang to Trüm, it is very much
pleasanter than the river side path, easier, more level,
a through forest for most of the way. We passed a
body of about 15 lhasas, both men & women, & had quite
good fun with them. I took some photos of them, &
then they inspected my gun with much interest, &

L. to Nge (on the Tsangka) 1923. 137.
from despatching journey.

we looked at their horse arrows. Tenduk nearly touched an arrow, but was hurriedly stopped by the Lopa. Of course there are all poisoned arrows. Tsongpan had his umbrella which caused great amusement, & they all wanted to put it up, & then danced about with it. They seemed very friendly, & did not even ask for assistance. I hear the woman who had her leg bitten by a dog is getting on, but her leg is swollen & sore. Tenduk says that in the old times they put some of the dog's hairs, burnt, in the wound, & it does a great deal of good. Paid off all coolies, but they come on tomorrow. The two headmen have been very helpful indeed. One goes on to S. Cholin with a letter to Ludlow. Tsongpan will go from here over the Drocking La.

23rd July. Kap. 8 m. 11000'. Rained last night & up to 10.0 this morning, but only a light rain. A little rain at Kap in the evening. A bigger but extremely wobbly bridge has been built at Trim close to where the old one was. I doubt if it will last the summer. There is a good

Ceratostyina nana 2422

deal of *Ceratostyina* all the way up the valley, mostly on

L. 159. Ludlow & Nga ha - near
Nang Dzong. Konyo.

Didymandra Kingiana 1941

Delph. gyalanum 1942

Pteris bichayglouana 1943

poor forest, but good butterfly - on 50 including
Parnassian Blue, *Graphium* ? a couple
Cambridge Beauty.

Pass in wood from Lake Samut. Forest covered by
Liana, birch with a undergrowth of shrubs &
Rhodod.

L. 60 Perov - no conifer forest
on highway - only shrubs
& bushes

the south side. 2422. Otherwise the only flower of interest
Delphinium 2424 was a *Delphinium* 2424, with white sepals & black petals.
 Crops are nearly ripe here, & already some are being cut
 & threshed. When we were here last, they were only about
 2-3 inches up. Dzongpen has gone off to the Drukung la
 today with the Trin gyimpu & a coolie, leaving Tenduk,
 Ahmad Sheikh & with 14 coolies to go on via Chagyal.
 Nothing of any interest here, no birds worth recording.

24th July. Chagyal Dzong, 6 m. Fine all day, with clouds &
 sun. Rain last night. A bull march in, with nothing
 much to see. Plenty of *Ceratostigma* on the hillside, & a
 lot at camp on the N side of the river. The little
 prim. *Pteris* collected here on our way to Lung first time,

Ceratostigma minus
Pteris Ketcheri 2427
Pteris longifolia & *puberula* 2429
 yellow

is still in bloom, & has a scape about 2" long. Also a
 very bright *Pedicularis*, all over the boggy meadow.
 Dzongpen very kind. I see him tomorrow. Tenduk visited
 him this afternoon. *Mec. sherriffii* on Drukung la. 2436
Crematogaster planogaea " " 2435

25th July. Halt, Chagyal. Fine most of the day, but no sun.
 Exchanged calls with the Dzongpen, who was very pleasant, &
 has made all arrangements for tomorrow. Nothing very

Lovely Camping Site

Ludlow to Tso bunang on July 26 - L. 160.162

Good description of scenery - suddenly, at about 3 miles from Tso bunang we
came upon the first of a chain of lakes. They were crystal clear & their
setting amidst the fir forest was, in my the least, a sight yet kind I have ever seen in
the Himalayas - lowest lake was the smallest, the other 3 about 1/2 mile long by
400 yds broad. We camped by the head of the 3rd lake near the water edge & when
here I had a most beautiful camping ground. A little grassy inlet with a few
blending (*Sedum*?) (*Phlox*) (*Primula*) lay within a few yards of my tent door.

Many blackbirds on the W of the lake.

Ludlow on Sunday, Tso bunang
(near Chosom)

Gentiana *fallax* 1945
Part. Taylor 1948

" *nambensis* f. *caulescens*
" *tubiflora* 1951 1950

bright fixed about the mail, but he will always forward mail either to Tsana or to Sauga Cholung. We must get someone at S.C. to bring it on to us. I think perhaps this is the best way of doing it.

26th July. Gyandro. 12 miles. Rained all day very hard. Nothing seen at all till near Gyandro, where I saw a good deal of

Codonopsis *viridiflora*.

that pretty nice blue creeper 2423, collected again under a *Acrotium* *viridiflorum* sp. no. 2433 new number. Here there is one big *acrotium* 5 1/2 - 6 ft tall.

but nothing else of interest seen. Had to change coolies half way, but there was not very much delay, as notice had been sent on. Great hopes for tomorrow: we should find some good things on the way up the heha, & I hope that *Cent. aurea* will be in flower on the top.

Leda 27th July. Kyimpu. 12500. 12 miles. Yesterday was really a fine day:

Rh. lepidota 2447

Cod. viridiflora 2448

Acrotium 2451

Cyanea 2452

Crematodium 2453

Thermopsis 2457

Fritillaria 2459

Thermopsis 2458

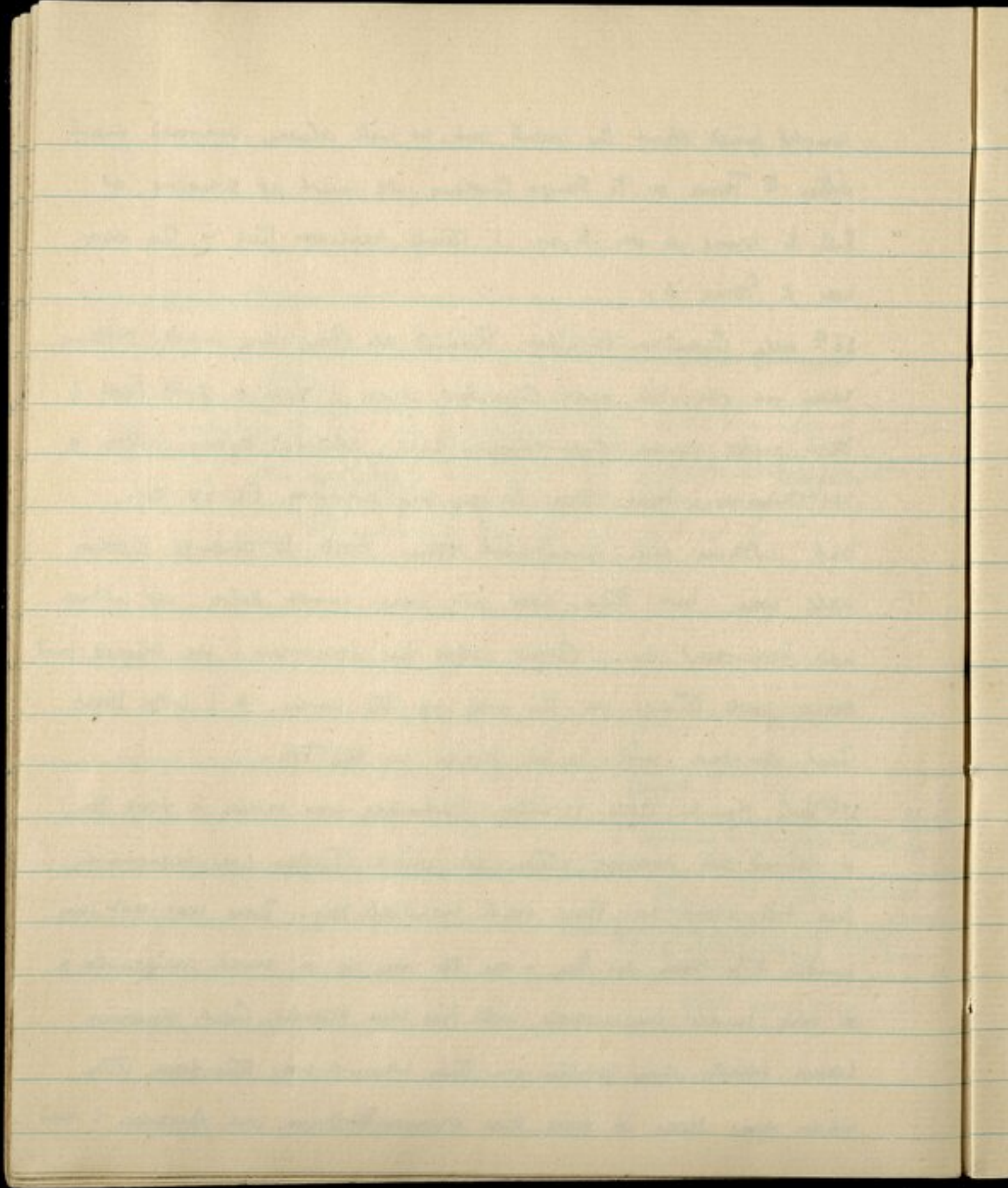
Thermopsis 2458

Thermopsis 2458

Thermopsis 2458

It rained all evening & then all night. Today was reasonably fine till about 10. Then rain hard all day. There was not very much to be seen all day - on the way up a small campanula &

a very small *meconopsis*, with fine blue flowers. *Cent. aurea* seems hardly any further on than when I was there last, three weeks ago. Near it were two *cremantodium*, one of which I had



taken before. *Cyananthus* will soon be fully out. At present it is just coming out here & there. *P. Sibiricus* is in masses half way up from here. I counted on one head 76 flowers. Met Tsongpen here, who had no trouble on the way, but did not find very much siltia. The summer flowers are mostly getting over now, & the ^{autumn} ~~winter~~ ones are not yet out. Seeds are not ripe siltia, except *P. abrodendata*, of which I have taken some more. We passed today a man & his wife & 4 children. He was a Buntanese from T'jung who had gone to Penaho some years ago - with 2 children. He was frightfully glad to see his own countryman Tenduh, & had a long talk with him. Penaho he describes as pretty awful, rain & snow. A terrible pass, usually closed by snow. However the rain did not worry him much. He said he could easily stop that - "it is quite simple to stop rain or bring it on," he said. He is returning to his own land, & I hope he will be happy there; a nice man he was, with a very cheerful open face, & with a nice looking wife & kids.

28th July. Charne. 6300' T miles. Rained all night but was just fine in the morning & the sun is shining here. I made up

L. p 162-3

desc. of mara to Choan

28th July, Lushan

Sun La, Tsari - a way to

Chopin

Sax. bergensis 1952

Crematobri. f. purpurifera

1953

Pedri megalochila f. rhodantha

1954

L. to Chester Ramu. July 29.

for that by slipping on a rock & falling right into the river at camp when starting, 586, but no damage done. A

Delphinium gyalanum 2461

Delissandra sericea 2462

Ceratostigma tenuis 2463

1st of a big *Delphinium* seen on the way down, but very little out yet. A great number of the fine big gentian got near

Trium lies the hillside above the path below Kyimfon, but I did not see one. They grow much higher this side, from 11500' to 14000 or even 14500', where in the Chavé Chu, I don't think I saw them above 12000' at most. At Gyandro I lost a

fountain pen in May. I asked if it had been seen since, it was produced - a little bent, having been peered at by many people no doubt, but otherwise alright. The sister of the pretty S. Choling girl, her husband, called here this afternoon. Their first request was for a photograph: it seems to run in the family. I got quite a good colored one, which I gave them, & then returned the compliment with 6 eggs, which I suppose are taken from the villagers, & are almost certainly all bad.

29th July. Sauga Choling. 10700'. 11 AM. Rained off & on all night, & part of today, which was clouded over all day. Had rather a bit of trouble with transport, which was poor, & had to be changed

July 30. to Sanga Chöling - L. 164.
over the Chado - I found Sheriff already there

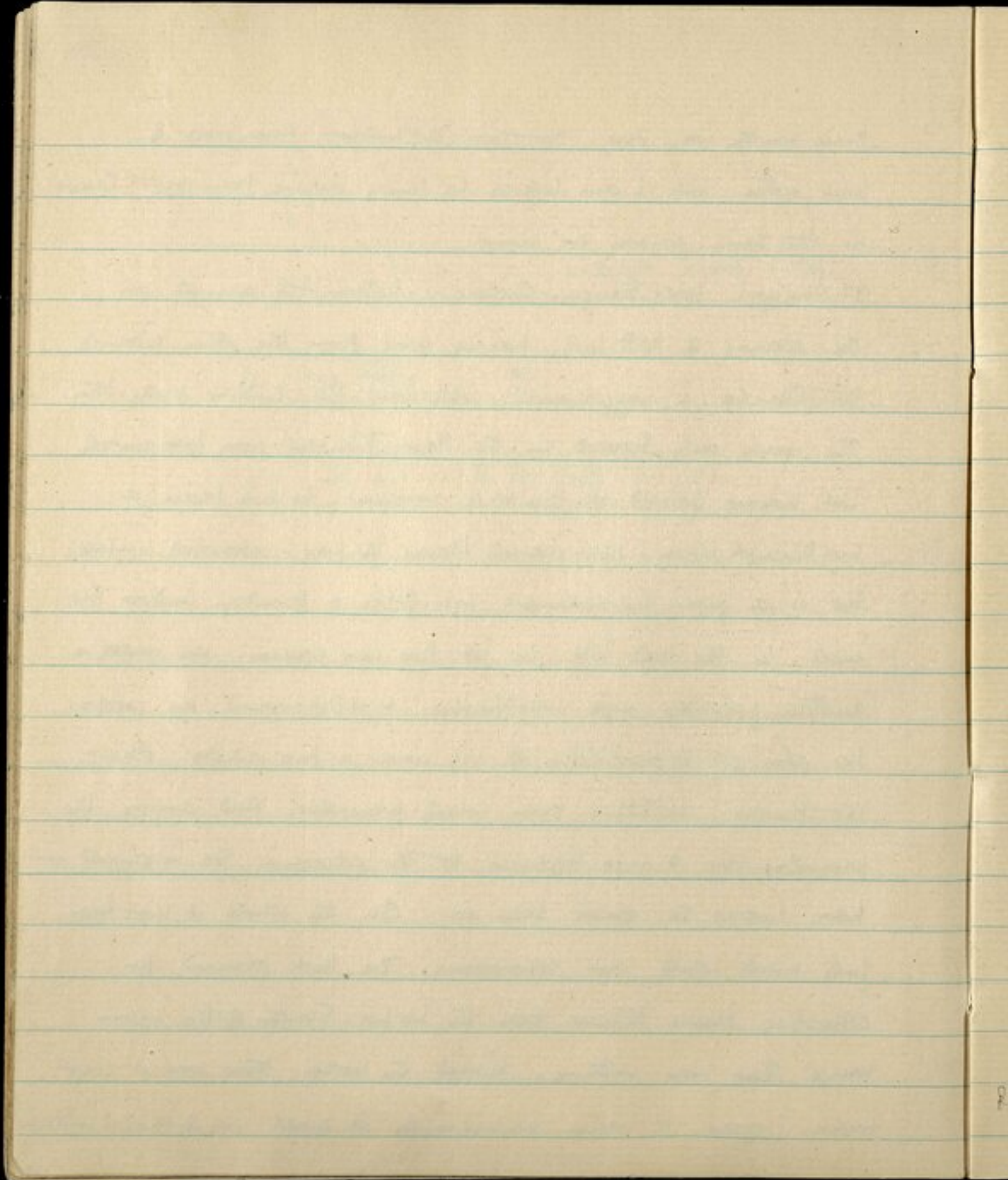
L. 165 "The splitting up of four flares in the height of the flowering
season has been a great success. S. has a number of flares of 1d.
Do not need ink & over time. She has done extremely well with Premier
to produce 50 flares of 1d. value as

Mr
Sheriff's accounts
received of first
6 weeks

L. July 31. Sanga Chöling 165
"The last 6 weeks have been abnormal"

Aug. 1-5. Sanga Chöling

L. p. 165 "The water feet has done us all a lot of good"



NB ^{didn't} He must have brought back 15 other Rhododendrons, some of which
 with 1 trunk extend the known range of Chinese varieties a
 long way further to the West. The pick of the bunch seems to
 be what I think K.W. calls the Scarlet Runner, another
 raisin coloured one, with bloom white, which was most
 noticeable. We decided to leave here on the 6th & are busy
 packing up all flowers & birds, & rearranging stores once
 more. We sent off a mail yesterday morning, the Trim
 headman taking it as far as Chayul. I have told him
 NB to try & collect seeds of the pink weconopsis from the Driehung
 ha in a month to 6 weeks time, as he lives pretty close to
 its habitat. The lama here we now find, was really
 under the impression, as everyone else was, that we had no
 passport. Hence my difficulty when here before. We have
 now shown it him, & he has sent men all over the place
 saying we must have whatever we want. Lumsden's
 NB gather was a complete washout. He collected nothing & did
 nothing all the way. He will not interest himself in anything
 at all. The Rhododendron 'Scarlet Runner' which Lumsden
 NB ^{Rhododendron} found seems to be *R. campylogynum*, or something very near it. I

Route

L. J. H. We left Sanga Chaling again on Aug. 6 and ascended the Cha Cha to Shirof. We then crossed the Tsachen da (16900) Passes and descended through unexplored country to the narrow Tsara Valley. The country traversed on this party on June was very elevated, & lay entirely within the dry zone. The birds will with well nearly those of the Plateau, & of no particular interest. We paid another visit to Tsoberang & then descended the Tsara Chai to Digyatan where we made another effort to obtain specimens of Selater's Monal, but without success.

It was on the way Sept. 7, except for Pentstemon & a few other plants, the flowering season was over, so we decided to separate again for the seed harvest.

Having sent 2 of our collectors to Tsoberang where we returned to Sanga Chaling to pick up the remainder of our baggage, & descended the Cha Cha to Kympa.

Kympa lies at the foot of the De La at an altitude of 15500 ft. In the conifer woods I encountered a bird I have sought in vain for many years. It was the Himalayan Crossbill (*Loxia curvirostris himalayensis*), another rarity according to the collectors. Here at Kympa however it was very common, feeding in large flocks in large trees. (No. 368)

From Kympa Sheriff returned to the pass on the main road above Sanga & spent a month collecting seeds. L. J. H. returned to Tsara & from there to Salden via Tawang. From Salden to Diwangiri where Sheriff reported them on Nov. 24.

cannot find the very similar yellow one. The big gentian from
 the Kashongha must be *G. phyllocladix*, & the big one on the
 Chayul Clm *G. waltonii*. It rains every day here, off on,
 • last night - today is 4th - it rained without ceasing from
 3 pm right through the night till 5:00 am. We have for the
 wireless up & get fairly good reception in the early morning
 news at 6:15 pm., I have heard a certain amount of the
 Olympic Games results. I have packed up to leave here,
 four stone boxes full of flowers, & another divided between flowers
 & birds.

Santa Clara to Bung

6th Aug. Bung. 12 m. 12000'. Left at 7:15 am with 23 pony loads,
 or rather mostly 3 no loads. At m 4 changed transport. Route on
 L bank the whole way & pretty easy, keeping after m 4

about 400 ft above the river. Bung is a large cultivated

Codonopsis viciiflora "D. Beauphrem m. 1908?"

fan. Saw much *Codonopsis viciiflora*, the blue *Dracoceph.*

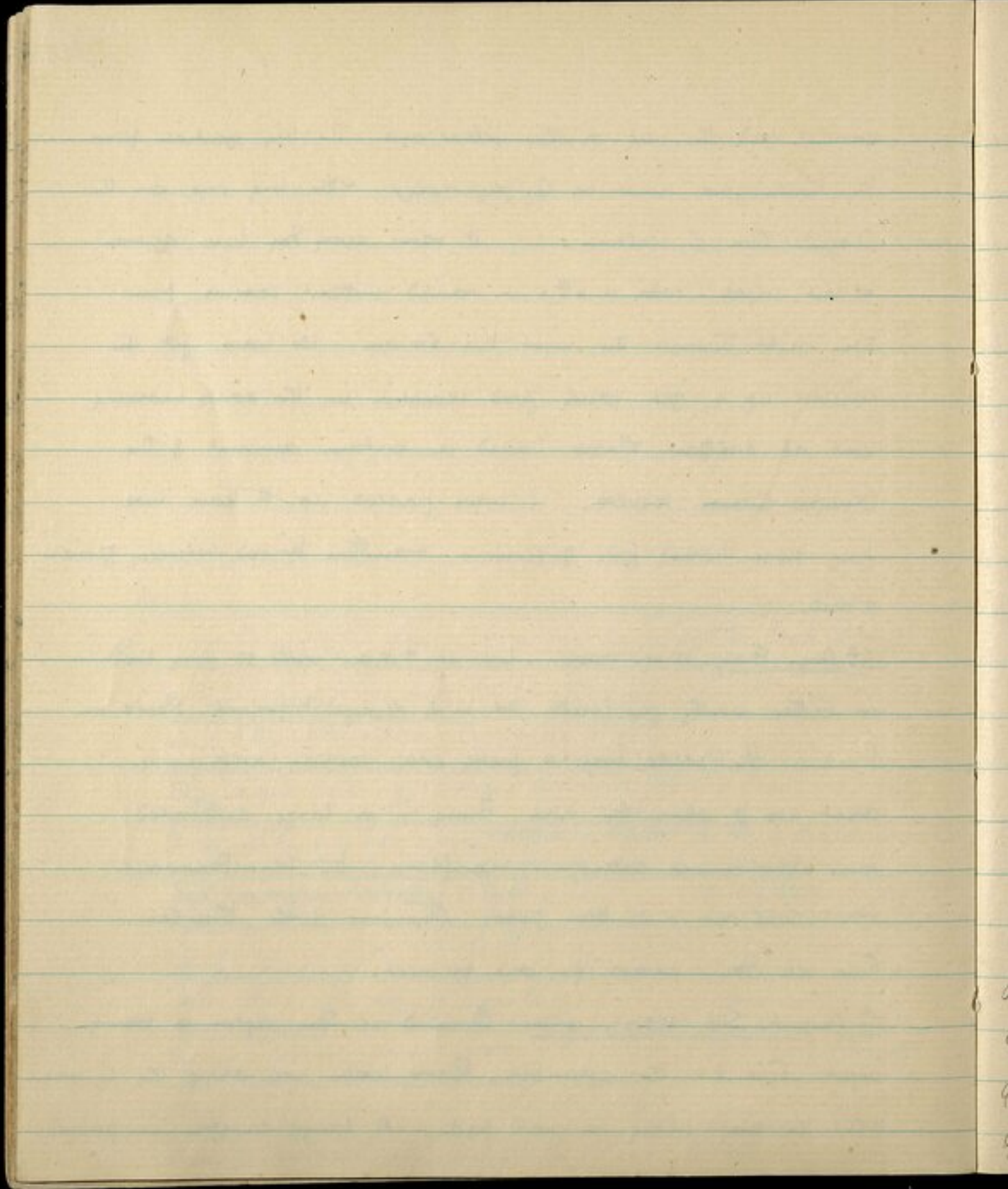
Dracoceph. hemisphaer. "

was the *Schizandra sericea* 1961?

" or a white one with blue tube. Otherwise little to be seen.

Fine all day, except for one shower.

7th August. Shö. 12900'. 4 m. Clouded all day, after a rainy
 night. Fine till the afternoon. Route keeps well above the L bank
 all the way, along a good path. A large chorten is passed



about in 1, where a bridge leads over to the R. bank & then
 over the Mo La to Luontse. Nothing of interest in flower, but
Gn. waltoni? many of the big gentian (*G. waltoni*?) all the way up here on
 the dry ¹⁹⁷⁰ hillside. This is a big place, even bigger than
 Bung with a great deal of terraced cultivation & several
 small villages amongst the fields. By going up the valley
 to the E of the Mo La one can get over a pass to Cuyandro.
 The hills to the S. of the Char Chu look very inviting, all
 wooded with fir & rhododendron. This side is too dry &
 only has small shrubs on it. The Char Chu is still
 pretty big. I heard at Sanya Choling that all dead Tibetans
 are thrown into the river. So there, besides drinking its very
 muddy water, we were also drinking a kind of infusion of
 dead bodies. However it tasted alright, & we are none the
 worse.

8th August. Shirap. 14000' 11 miles. A lovely day, misty in the

morning, then brighter as the day wore on. Nothing much at

G. waltoni

first but masses of *G. waltoni* in bud. Then a fine campanula
coronops mollis 1972

1971, *cyanaanthus incanus*, ¹⁹⁷³ gent. *deborsa* ^{robusta? 1970}. This is a beautiful
Papilionata 1975

place, above the tree zone, but with a little barley cultivation.
Gn. leucomeleae 1982

L. 167. Sharp Creek. A few
saki, *Delphinoides* horses
Scattered about wide open
valley. There are crops, chiefly
barley & peas
Fuel is mainly juniper scrub
Got some nice *Delphinoides*
including *gypsum* & a *Colias*
in *Stak* to be the rare
meranda
Got a couple of juvenile *Crag*
marinus & 500 *Pentamerus*

L. 167. Mt. of Tibetan
parfida very plentiful
with *brodiaea* young *spines* as
large as the *parfida* *brodiaea*
Got a large number of *Parnassius* & I
fear are all *repaphis*. Got a
specimen of *Colias dubia*

L. 166. The Thakhan la mt
plateau country.
Saw a large herd of *Gurhal* & caught
lots of *bullock* *grass* including a few *bulbs*
of *Parnassius*, *Delphinoides*

Delph. brunneum 1977, *Pedicularis globifera* 1979, *Mec. korila* 1980, *Aconitum gymnanthum* 1981

The path is well graded the worse way, but gets narrower as one gets up. Two villages are passed in the main Char Chu, then at m 9 or so the path leads up steeper away from the Char Chu L bank to Shirap, where there are several groups of houses. Got some good butterflies here. Hares abound all over the hillside. It is lovely to be in the warm sun all day again, & the rolling hills look very pretty indeed.

1.4 miles above Shirap

9th August. Camp 5 of Trakan la. 15000. 5 m. An easy ascent over

Gent. thasica 1983

grassy hillside up a broad valley. Rain in the morning, then

Aquilegia chrysantha 1984

cleared up to a magnificent evening. There are a great

P. alvostata 1990

number of Tib. partridge on the hills round about & also hares.

Trakan la

10th August. Halt. Ludwig's birthday. Yesterday we all suffered

from headaches, & the servants were none too bright. This must

be one of the passes, where one gets head, even if not

high. Went up to the Trakan La this morning, then split

up & came down separately. The best finds were a Dwarf

Delph. lat-rangense 1987

Delph. brunneum 1995

Delphinium on the pass, with huge flowers 1997, a fine

Crematodium 1986

Crematodium 1996 & a pretty little gentian 2006. Another

Gent. thasica 1983

Gent. aplanca 1999

Gent. margaritacea 2006

very gentian hardly in flower 1983 is also a fine one. There is

Prim. sinoplantaginifera 1998

also a primula in seed 1998, probably a *invalis*: the seeds are

Wardleya lanuginosa 2001

L 5169. Karpa Census 92038 called for by heres.
It was a magnificent double chamber in the
evening - the brightest I have ever seen.

To
all
S
Ag
9
P
C

Saxifraga longituba 2003, *punctulata* 2004, *signatella* 2007.

w/ not yet ripe, but we are taking some on with us. All of us

again had slight headaches. We had a huge birthday dinner

of hare soup, roast partridge, pate de foie gras, apricots + cream,

MS

+ mushrooms on toast. Perhaps it was no wonder we slept

badly.

via Trahan ha

11th August. Karpo. 12100'. 11 m. An easy ascent up a broad

Trahan ha

valley over grassy slopes to the Trahan ha (16900'?) at m 3.

Allen xanthocarpa 2010

Sax montanella 2011. *Sax lichnites* 2013.

The pass is a broad one, & very stony both sides. The road over

Cyananthus spathulifolius 2012

the pass first leads down left handed to avoid a mass of

Gen. *perzwanowskii* 2015.

boulders, then crosses a small valley to another broad open

P. Cavens 2016

valley in the same line as the final ascent to the Trahan

GRASSES. 2018 - 2027 - Colerew at Karpo.

La. Thence descent easy & gradual over grassy hills, to m

10, when it becomes steeper, with a final steep fall to the

valley bed at Karpo, where there are three little clusters of

houses, some cultivation. Nothing very much today in

the flower line, but *G. strictantra*? (unopened) on the pass,

spathulifolius 2012

Cyananthus incanus (var *leisocalyx*?) on the way down.

Luunden missed a fuh from musk deer, then at the same

point shot a young male, which Ramzana managed to

halal, or said he did. Yahu men very good.

Blackbird

Lin 109 L 1070 1070 nest with 3 young birds of Turdus merula buddhac
The bird is plentiful in spring & summer in most of the trees in crosses
but seem to prefer the dense growth of the main range near the
latter than the main range itself. The song of the Blackbird very
similar to our own. Breeds here, the nests are very numerous.
Constructs its nest in rhod. bushes on the fringe of the alpine zone.
Collects into large flocks in autumn.

L 1070. See western. It is a magnificent garden, an
inhabitant of the dry zone for 11-13000 ft.

12th August. Camp beyond Sotpo La 15000' 8 miles. Fine all day, clouds + sun. Route lies up valley immediately below Karpo towards the N.East. Ascent easy up R bank. At m 12 a valley enters from the R hand side on left bank. The main stream is crossed here + the side valley followed. Route soon becomes very steep, continues so to the top of the pass, the last 300 ft being over loose very steep shale. ~~Sotpo~~ Sotpo Pass at m 5. (17000) Descent on E side steep at first over loose scree, then easy over grass down broad valley. At m 7 the valley turns towards S. Choling. This is left + another valley followed up. ^{At the foot of the Mibrang La} Yab encampment about m 8. A

beautiful day, a really stiff pass, much reminding me of

- Gen. thaeica*
 - Gen. waltoni* 2028
 - Swertia nictitans* 2029
 - Ph. pedunculata* 2030
- the Tuling La. Gentian 1983 was very common, + ~~in~~ the flowers were open. *P. rotundifolia* the Kashang La one I think was fairly common. *G. waltoni* goes to nearly 14000'. Just one young *Cremophila*, + saw two herds of *Burkell*. The little gentian 2004 is very common at camp here. ^{10% cherry near 2000 - *Gen. mangrandii*?}

13th Aug. Camp between Cha La + Chorten Namu. 15000'. 7 m. Route up

broad grassy valley, keeping left handed to m 2, then to E up ^{Mibrang La} extremely steep shale ridge to Mibrang La m 2 1/2 17000'. Descent at

aka to kca. shenf.
9/12/1933

Tekarda 15 Aug

Swertia baidela 2070 2062

Gen. namlaensis 2063 2064
atophoroides 2073

taylori 2074

Cyanath. lobatus 2080

Rhin. sekkenianus 2065, 2077, 2078

tsanensis 2067 2081

odoncha sp. n. 2068

glabra 2070

locosa 2071

caudata 2072

locosa subpennatifida 2075

Sir da

putran

G. subregia v
periflora 2050.

tubiflora 2051

filistyla v.

periflora 2052

infelix 2053

namlensis 2054

tsarongensis 2055

przewalskii 2056

taylori sp. n. 2057

c 15 mi. below junction Mihyang La & Tondong La

first steep over shale, then level up up to the Tondong La
at m 4. ⁽¹⁶⁵⁰⁰⁾ Thence descent easy over grass in broad valley.

joining the Chu La - Chosam route at m 7. A perfect
day of bright sun all day. Found *C. ussigeana* 2033 full
out between the two passes, looking lovely.

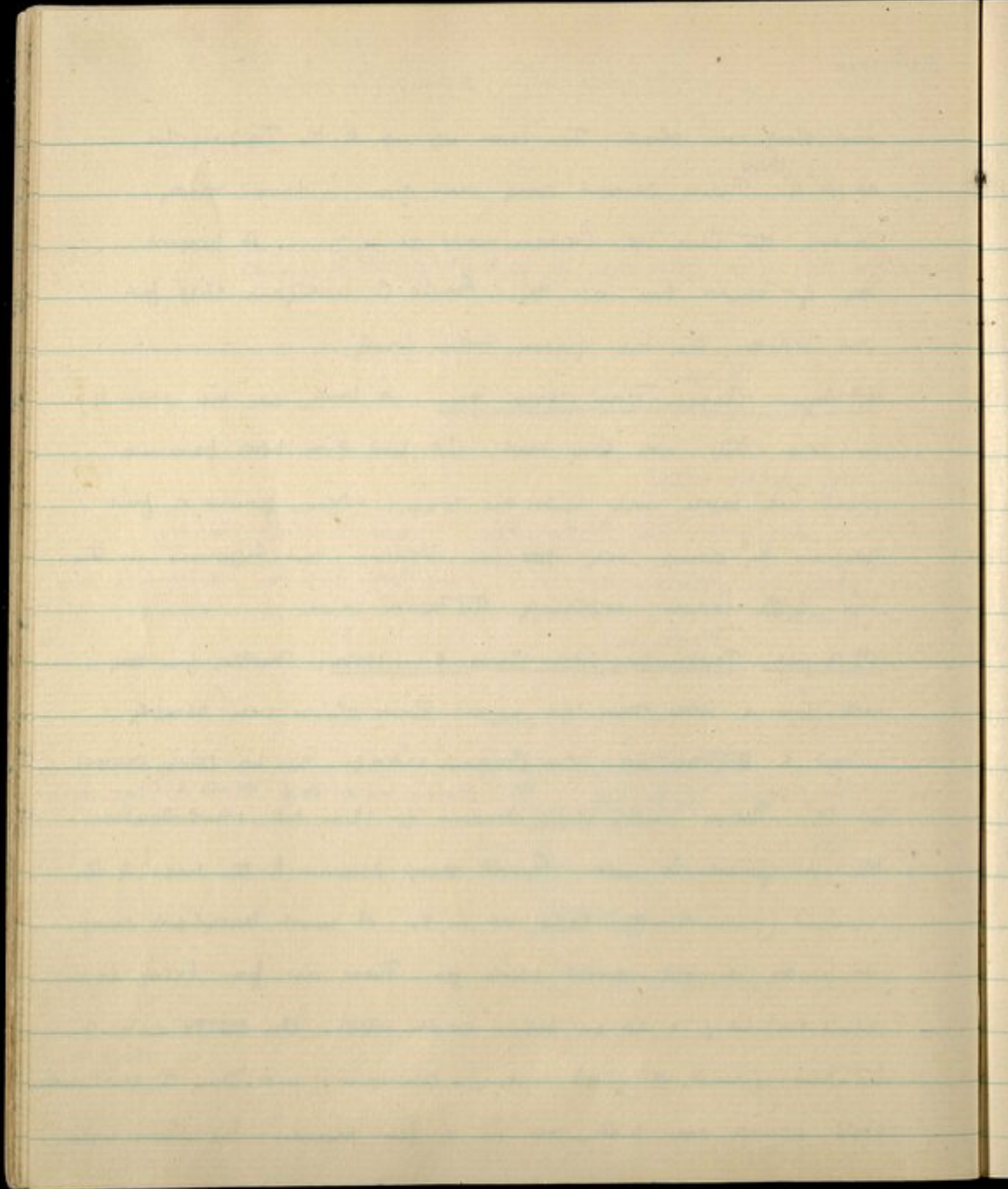
Chosam
14th August. Chosam - Tsari. 14200' 9 m. A lovely day till about 4.0

pm when there was some rain. Got seed of a little primula
P. walshii 2044, *Schizanthus* 2037
found here before, now under No 2044. Also found a fine
Gentiana by camp, very ~~like~~ like *Waltonii*, but differing in the
size of the leaves, especially the basal ones.
Ayananthus lobatus 2036, *Lechea* 2042. *Crematosiphon fulvum* & *rhodocapillum* 2040.

Tso Benang
15th August. Tsobunang Lakes Camp. 5 m. 13500'. Another fine day,

with just a little rain last night. Route climbs very steeply
Sur La.
joined to the Sur La from Chosam village. Sur La 16000 crossed
at 1 1/2. Thence pretty steep descent for 1 1/2 m till *Rhododendron*.
then fir forest is met. Final steep descent to the head of the
second (from south) lake at m 5. A most beautiful camp,
as pretty as one could wish for. There are four lakes, each
about 500' long & 20-40' below each other. On the N side of

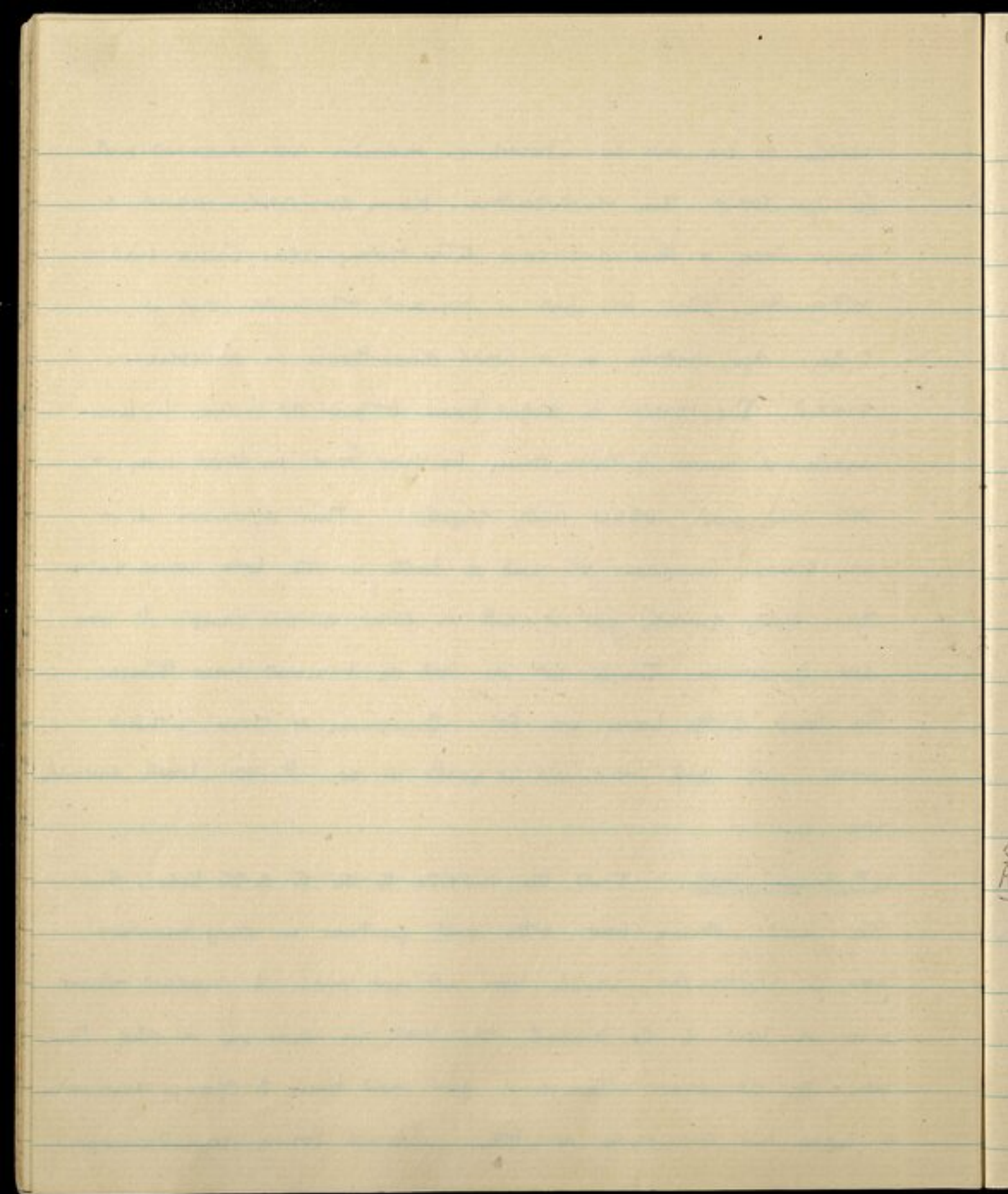
the pass, found a few many *Gentiana*, including *G. shikantzei*
2056, which was full out in a few places. The others were



neither so big nor so interesting. Hillsides well covered with fir for 500 ft. then rhododendron. Many crows about, & much deer, & there are said to be kuling also. Gulla had a rotten ear today. His foot is poisoned, & Humden cut it 2 days ago, putting in a local anesthetic in a septic wound. The result is awful pain to poor old Gulla. L. has made a mess of everything he has done in that way, & can only give iodine with safety. This afternoon, as it was sunny, Humden & I had a bathe in the lake, which shelves down pretty quickly just 10 yards in front of our camp. It was cold of course, though not as bad as I would have thought. The temp of the water was 51°. Swimming at 13000' is hard work, & I only went out 10 yards or so. It was lovely, especially when out!

13000 Burning Lake Camp.

16th August. Halk. Tried the hillside to the E of the lakes. But there held nothing new, & the only gentian in any numbers was ^{??} *Pigardshii* *C. Stictanthea*, which was not yet out. I walked almost into a herd of 20 barchul, but had my eyes on a cliff. They were off at once, though I just had time to change ammunition & have two snapshots at them without doing any damage.



Wah, ^{reger} Przewalskii 2015 2033
Otophora 2092

Ranuncul. 2054 - Smilax 627
algida 2098 2063 orange

Otophoroides 2073
147

Gentiana

Last night I was thinking of the gentians we had seen, & where we had seen them, & it certainly appears that all the creamy ones come from the dry zone, or at any rate the transition zone. Wikie describes ~~the~~ *G. amoena* as light colored, but sometimes blue all over. As far as I have seen, it is common up here, it is always white or cream in the dry zone, or N. of the main range. We collected it twice S of the range, in the wet zone, once at the Ma ha source at Salden, in each case it was a beautiful rich blue. Tsohmanang is a curious place.

All yesterday the S lake was in shadow, the E Sun ha was in rain, our camp half in sun with a little rain, & the hills to the N at the end of the lakes in sun all day.

Tso Bunang Lake Camp
17th August. Hall. Found nothing here. Danong & Tenduk came

see Aug 15. back from the Taha ha trip. They brought some food stuff.

Among the host were three gentians from the top of the pass
Saxifraga haidulii ^{S. ranuncul.}
2062, 2063 & 2089: a primula which was not yet in flower 2071, it was in fact hardly in bud, but D. got some seed from last years capsules: a fine new cream gentian 2073: a yellow ^{Saxifraga} *S. haidulii* 2078. primula which we think might perhaps be

19th Chang Chuda

9. Stropharia 2092

nanbaenii

f. caudata 2094

Lomatium

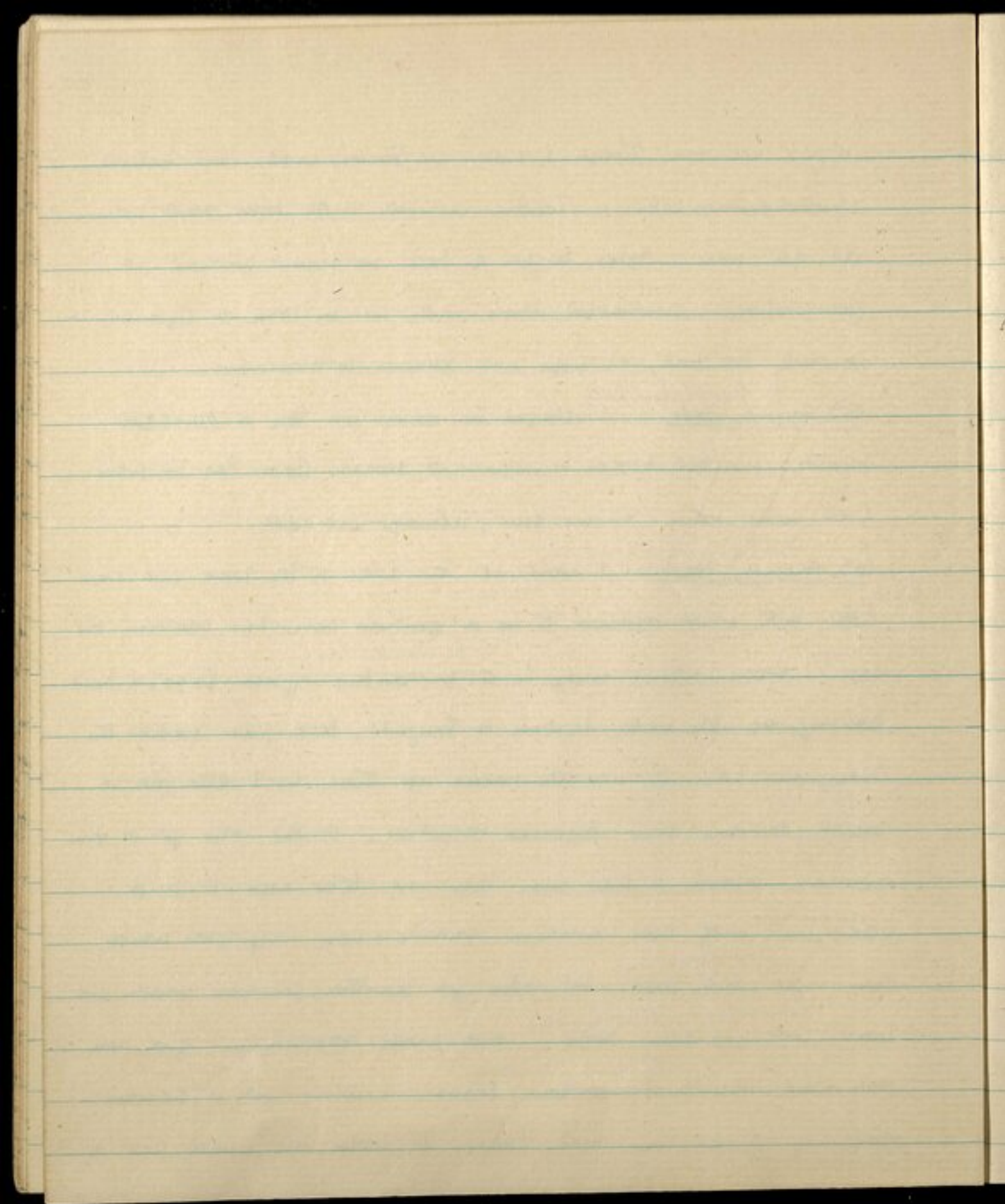
deltoides 2095

Delp. v. cornu 2096

K.W.'s new one, though I have my doubts, 2078: a yellow
R. Wardi 2085
 rhododendron 2085. Tenshu arrived with fever and looking
 at all well. After a bit of talk we found he had got
 jaundice, contracted while with us in 1934 at Ayuthe. It
 is not too bad, or hope with answer to treatment.

Tso Bunang Laks Camp
 18th August. Halt. I stayed in camp all day & developed
 photos, mended boxes & repacked stores. Each day we have
 had some rain & some sun, always overcast.

Tso Bunang Laks Camp
 19th August. Halt. I went up the hills to the west, but saw
 see Aug-20 little but what appears to be a gentian very like *Waltoni*, No
G. tsarenai 2097, some which may be *G. stictantha* again 2099. I sent
G. przewalskii 2097
 Danong up the valley leading to Senguti, to a pass called the
 Chang chu La. It usually rains up there, so I thought it
 might contain some different varieties. It did, and got a fine
 gentian, which I hope may turn out to be new. It is a
 white one with blue markings outside, & very long lobes which
 open right out, *G. otophora 2092*. He also got another gentian which we
 have not yet seen, *2095*, a pretty delphinium, of a very
Tomatogonum deltoideum 2095
 rich deep blue purple colour, *2096*. Ludlow got a second
Delphinium orosium
 specimen of a new bird today. It looks very much like a



leptopocils but does not agree with anything in the F.B.I.

I saw four kuling, but was unable to get a shot at any of them with any chance of success.

^{Tso Berang Lake Camp}
20th August. Halt. Our last day here. It rained all day, any way

See August 19th

up towards the Changchun La, where I went in the morning.

Delphinium procerum 2096

I marked there a few *Delphinium* 2096, in an opening in the wood.

forest, about the same place - just below, beside the river, the *Lomatogonium deltoideum* 2095

little gentian like a *Saxifraga* 2095. There seemed no need to mark

G. otaphora

Danopsis geniviana 2092, as once over the steep ridge - about 1 m

short of the pass, it is almost everywhere, especially on SE banks.

I put up a few stones - to the R of where we first met 2092 -

to mark a good clump of ^{*pragmatoris*} *G. strictantra*. Just as we got up

the hill all gentians closed tight, I had no chance of a

photo with any flowers open at all - a great disappointment.

None did any open all the time I was there. Saw a pin tail

suipe at 15000'.

To Senguti ^{20000' camp May 16.}

21st August. Senguti (13500?). 8 miles. It rained very hard indeed

all yesterday evening ^{night}, and rained all today, hard in the

afternoon. Saw no new gentians on the Sun La. From Chusam

here *P. capitata* is common. The big Chusam gentian like *Waltoni*

L 173 Cyanalis leucurus perfectly beautiful
below Chosam in great abundance.
- next day - Aug 22. a gorgeous
sight all the way to Chickchar.

L 173-4 In a few weeks time all the women of Chickchar
have to clear out of the village & go to Yarob lest they should
prove a temptation to the monks. The monastery was
burned down a few years ago. It has since been rebuilt at
the expense of the Maharaja of Bhutan.

Chickchar

P. tsarunensis sp. nov. 2475 2483
" *odontica* 2484
" *rossi* suspended foot 2490
Gen. Staphora 2480
" *pullata* 2487
" *phyllocolpa* 2488
Acronyctus *longicauda* 2481
Acronyctus *reticulatus* 2481
" *tsarunensis* 2491 sp. nov.
Lomatogoni *chumbicium* 2482
" *slaffii* 2489
Helastaria *bulbuliformis* 2479

2100 *Pennisetum longipaniculatum* sp. nov. - long lax inflorescence + slender rachis, pedicel - a hybrid
Most striking species - blue-violet - near sea level
is also down here, in the little patches of jungle. A few *Urtica*

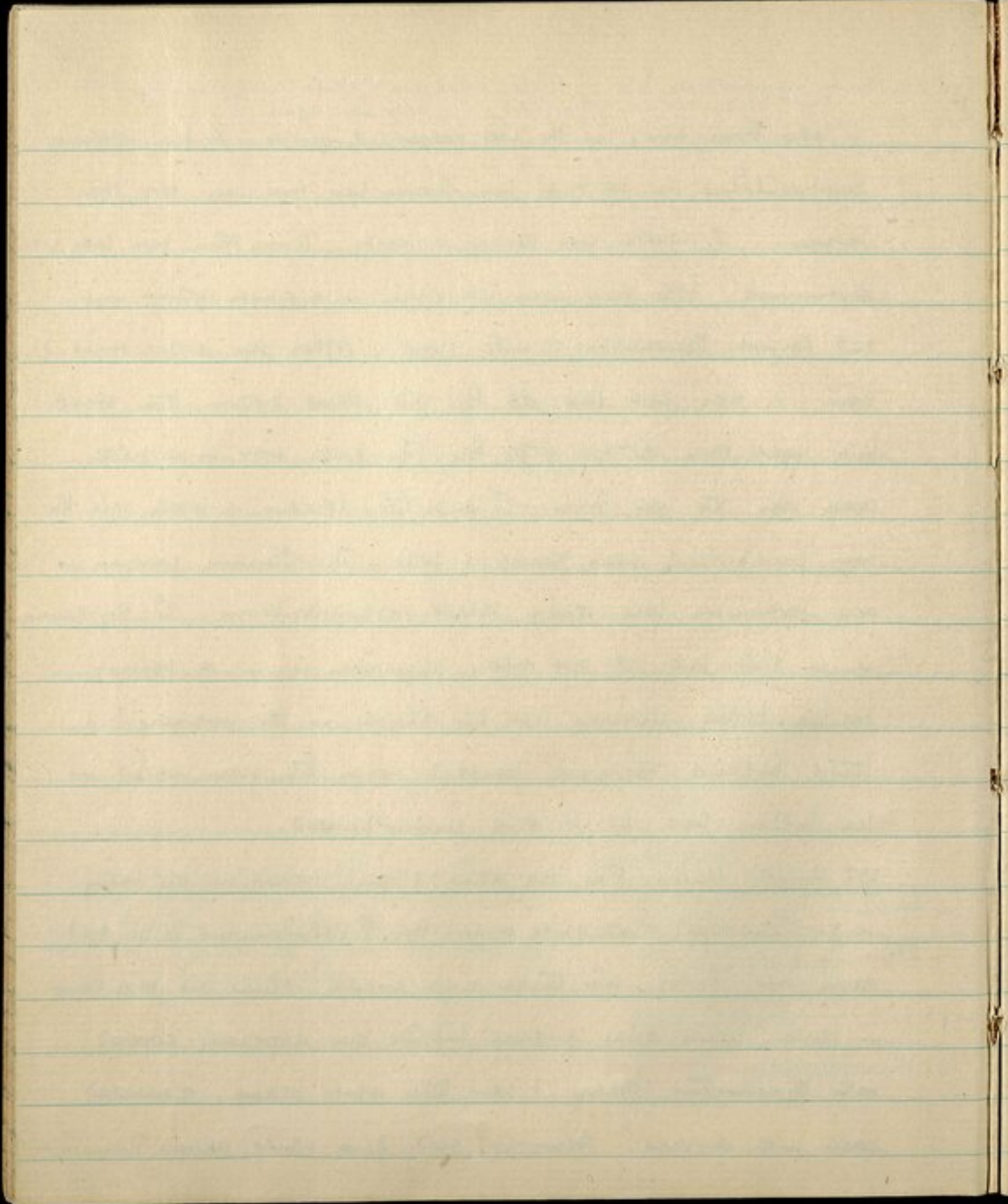
campanulatum on the path from Clusam here but very few flowers
between. *P. whitei* has thrown its seed. Everything here has grown
enormously, & the grass where not eaten is a couple of feet high.

22nd August. Clitchchar. 11. miles. 13000' After an awful night of
rain, it was just fine all day till about 2.0pm, then steady
but light rain the rest of the day. The path was in a filthy
mess all the way down. *Cyananthus lobatus* is lovely all the
way, particularly near Yarap + here. The Clusam gentian is
very common here among shrubs or rhododendrons. *C. stylophora*
is in seed but not yet ripe. Lunson is in a peevish
temper today, having lost his braces in the morning! I
think because everyone laughed when they were found in
his bedding here, he is still more peeved.

23rd August. Clitchchar. Halk. Fine till about 1.0pm. I went up the valley
w of Clitchchar, had quite a good day. *P. Valentiniana* is in seed,
P. 1621 barely ripe, *P. 1621* has thrown a lot of seed, others are still some

in flower. Whole areas of steep hillside are absolutely covered
with *Cyananthus lobatus*. I saw three white plants, & marked
each with a stone. Also got seed of a white alpine *Silphium*,

AB



which is in full flower about 15000', but last years capsules are full of seed which is perfectly good as some was germinating in the capsule.

Cheerchar

24th August. Halt. Stayed in camp till the evening, when Ludlow & I went for a wander for a couple of hours, found seed of *Mec. simplicifolia* *Frit. caryocera* 1601 & of *Frit. 1611* ripe collected a good deal. Fine rain most of the day, but at 2.0 it suddenly cleared up & was beautiful till about 4.30 or 5.0 pm.

Sundo.

25th August. Camp below Podzo Sundo. 9 m. 10500'. Rained very hard all last night, & practically all today. When the local head man came yesterday I heard some stories about myself. One was that when on the 'kinghan' I had a woman with me. She was stuck up in a box during the day & only produced at night. At Sangya Choling we apparently had some extraordinary gift of making small babies. This was run down to my having blown up a balloon for a kid to play with. Few new flowers seen today. One is

Delic. chelidoni 2496

a beautiful *thalictrum*, ²⁴⁹⁶ different to the one taken before, which seemed to be *T. Chelidoni*. This one has very much bigger leaves, but the flower is much the same & very pretty. It is common between Podzo Sundo & Yarap, & down here less common. Another was a

The Muggah people crop their crops mostly
by pulling off the ears of the barley. The
stalks are left standing.

A. p. 174. Muggah is a good spot. In vegetation seen in places here in May last, some of the
bushes have no idea how to grow things, they are choked with weeds. There are however a
number of young carrots & turnips & some lettuce & cress. Most of the crops here have been cut.

30th May

Præcipua albivitta albivitta Scaly breasted wren. exceedingly common in Bhutan.

In 1926 & 1928 we found it equally common in the damp forested areas of the Salween & Sui.

It does not occur in any of the main valleys but is numerous at Lungzi Muggah where the Chagat and
Tseri Rivers are cutting their way through the Himalayas.

In 1928 I heard the singing song of this wren in Parka-khita where it is very abundant. It was
fully full of song when quite indistinguishable, but quite distinct from the other - noted whistling

P. p. albivitta

A. p. 175. My 2nd lot arrived to the Ma La Shu as
as pulling in a few days in the early morning. I
Salween Moral & Kalinga. Different in transport

Delphinium 2445

Delphinium from P.S. which may or may not be different. Here at camp there is a large turtle which is very handsome, growing to about 8 ft high. Dawson went up the hills to look for seeds & some primulas, & found only a few of two. He came across two bears up there. Mosquitoes are very bad indeed down here, but

P. holoseriale 2497 *P. dictyonum* *P. sandersonianum* 2498
all, so far, Tegemein, not anophelae. A few specimens of the primula with hairy leaves pressed under No. 2499.

26th August. Mignitum. 9500 5 miles. Reasonably fine all morning. Very hot & exsiccating down here. *Rhod. megarhynchus* 2505 *Sprenthia sinensis* 2507. *Acacia reticulata* 2510. *Bulbophyllum*

27th, 28th, 29th August. Hakt. Usually fine in the morning. Midges

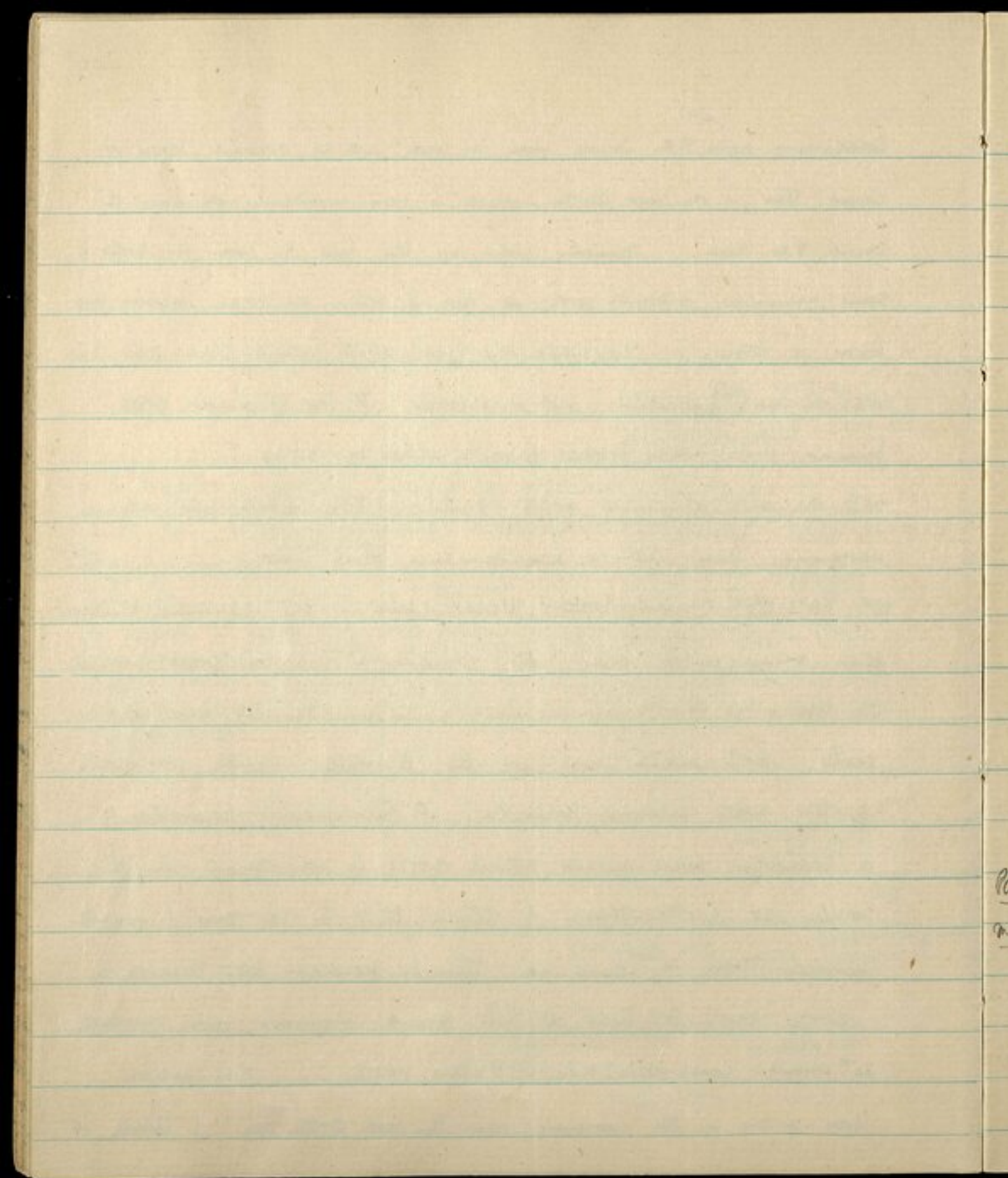
flies & mosquitoes very bad. Dawson & Thompson have worked the valley W of Mignitum & got some new flowers & a few seeds, & I have been up the E. valley only for seeds

of the little yellow primula. A *Sikkimensis* primula of *P. Loissa* *sp. nov. type* 2514 is abundant in the valley W. of Mignitum. I think this is the one I found

between Mipa & Tama ha, though perhaps the flower is not so big. It has a fine scent, & grows very prettily. *Acron. bulbophyllum* 2517 *Acacia sonchifolia* 2523

30th August. Camp above Nga ha. 5 miles Ht. 12800'. Fine for an hour or two in the morning: rain the rest of the day. I think we

Gentiana palaensis *sp. nov. type* 2527



are more than likely to have rain here the whole time we are here, & to be in the mist all the time. Some excitement was caused by ~~the~~ Downy finding the sheep this morning. It had been brought by the servants at Tso bunang & brought down alive, but broke its rope soon after getting here. Although seen at the time, no one could catch it, & it was finally lost for three days. Pinto went off after it this morning with the rifle to shoot it, but only got a glimpse of it, so it remains free. The coolies & everyone here are shirkers. We had a lot of trouble over transport, one woman with Ludlow's bedding failed to turn up by 2:0pm. The bedding was found dumped at the side of the path a mile short of here. This is a very wet camp, & I expect we will all be glad to leave.

31st August. Halt. ^{Camp above Ngga La} A perfect day of sun & clouds, the clouds coming gradually lower, till we were in mist by 3:0pm & later heavy rain.

Pangda

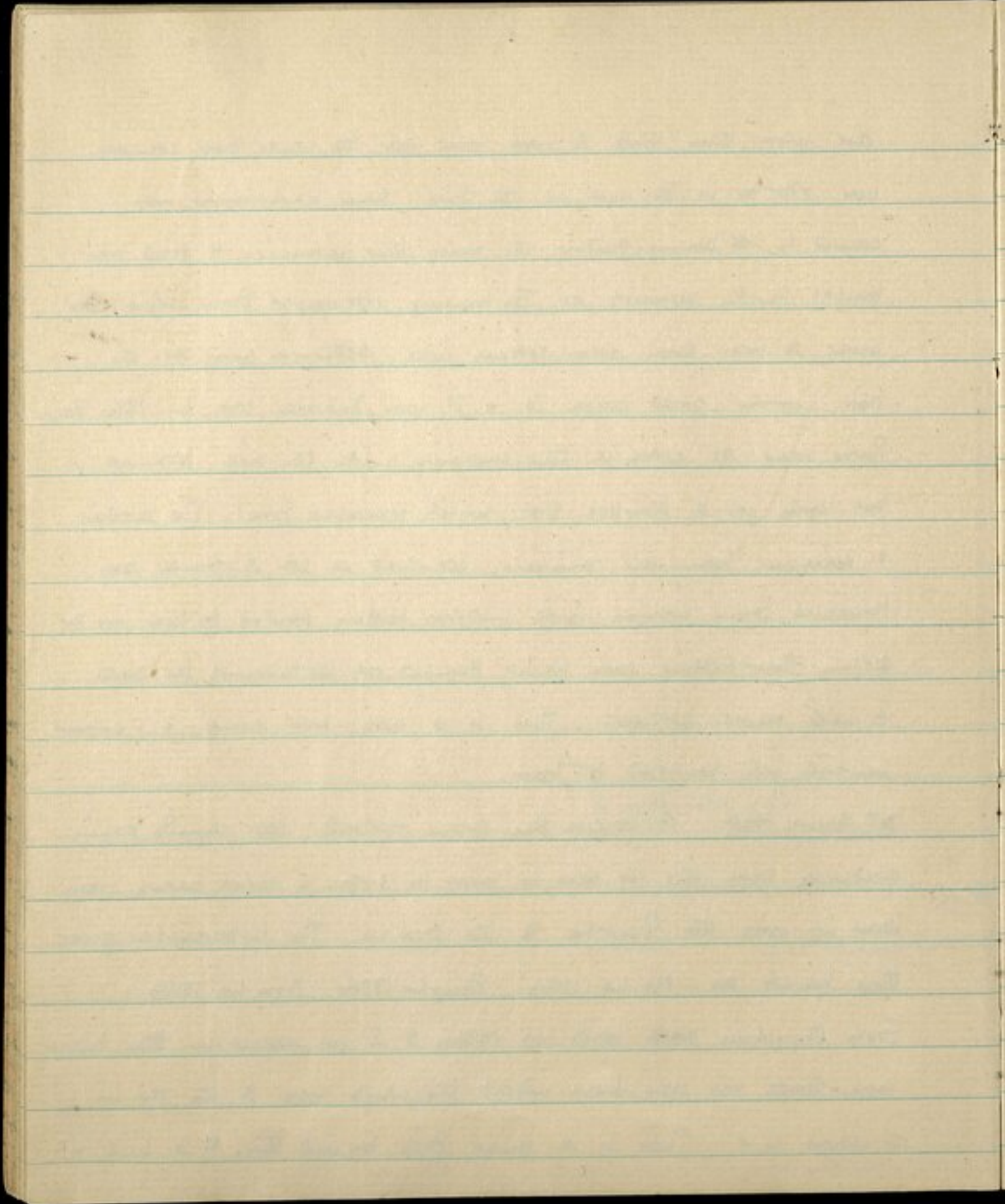
Went up over the Pangda to the Dza La. The hypsometer gives these heights as :- Na La 12800', Pangda 13960', Dza La 15550'.

see argemonea 2531

From Mujitun path leads up valley to E for about 1m, then turns more South in very steep indeed the worse way to the Na La.

at about 1m. There is a short drop beyond this to a hut, &

2.76. Chrysanthemum Brenantherum - like a Staphan - C. plantaginifolium 2530.



then a steep ascent again over open hillside to the Paugha at m 5½. Here again there is a drop, this time steeply for about 300 ft, then ascent gradual through rhododendrons to open stony valley reached at m 6½. Thence more or less E to the Dza La at m 8. The last mile is steep over stony hillside.

Descent of E side very steep at first. The Tsokan consist of 2 small lakes about 2½ m behind the Dza La & 2000 ft below. Beside the lakes are fir trees & a larch. A glacier falls very steeply into one lake. Found today a little

mic. argeboranalis 2531

white *Waconopsis* 2531 which does not seem to answer to

M. lyrata or *frimulina*, though near the lakes. Otherwise

Primi. nothing much of interest. *P. valentiniana* is very common on the R of the path going to the Dza La.

^{Camp above Nga La}
1st September. Halt. A lovely day, with mist coming up in the evening & some thunder then. Afterward cleared up over very

pretty. Went up the steep valley directly behind camp, & saw

P. hookeri 2535

across one new, but uninteresting *primula* 2535. There were also

Primi. *P. valentiniana*, *P. dumardoni*, *P. nivalis* sp. ^{Banana} *P.* 1621, *P. caudata*,

& a very small one, none in flower. Ludlow brought in one

Caveana

2536, which seems to be an *Obtusifolia* *primula*, also no flowers.

A route leads over two passes from Langong to
Mizyitum. From Langong to Mizyitum ~~the~~ the locals say is
two marches, while the opposite way is three.

- 1 Mizyitum to camp below pass
- 2 Over the Chato La to camp.
- 3 Over the Lingtsa La to Langong.

Lp. 178 I have offered an
award of 100 tankas for
either a 5th month of Trogpa

S.p. 177 I think the white poppy he found the day before yesterday (2531) must be Bailey's hec. 155
argemonea 7 others of the inflow + 3 leaves are preserved

The meconopsis 2536 we think may be Bailey's hec.

argemonea. I have marked a dozen plants for seeds.

^{Camp above Nga de}
2^d Sept. Halt. Last night was perfect, & today was again

Pangla

? neurophylla 2538 fine with no rain, but clouds coming up fast in the

? rhodoceros 2537 evening. Tsongpaen shot two kuling ♀♀. Collected a few

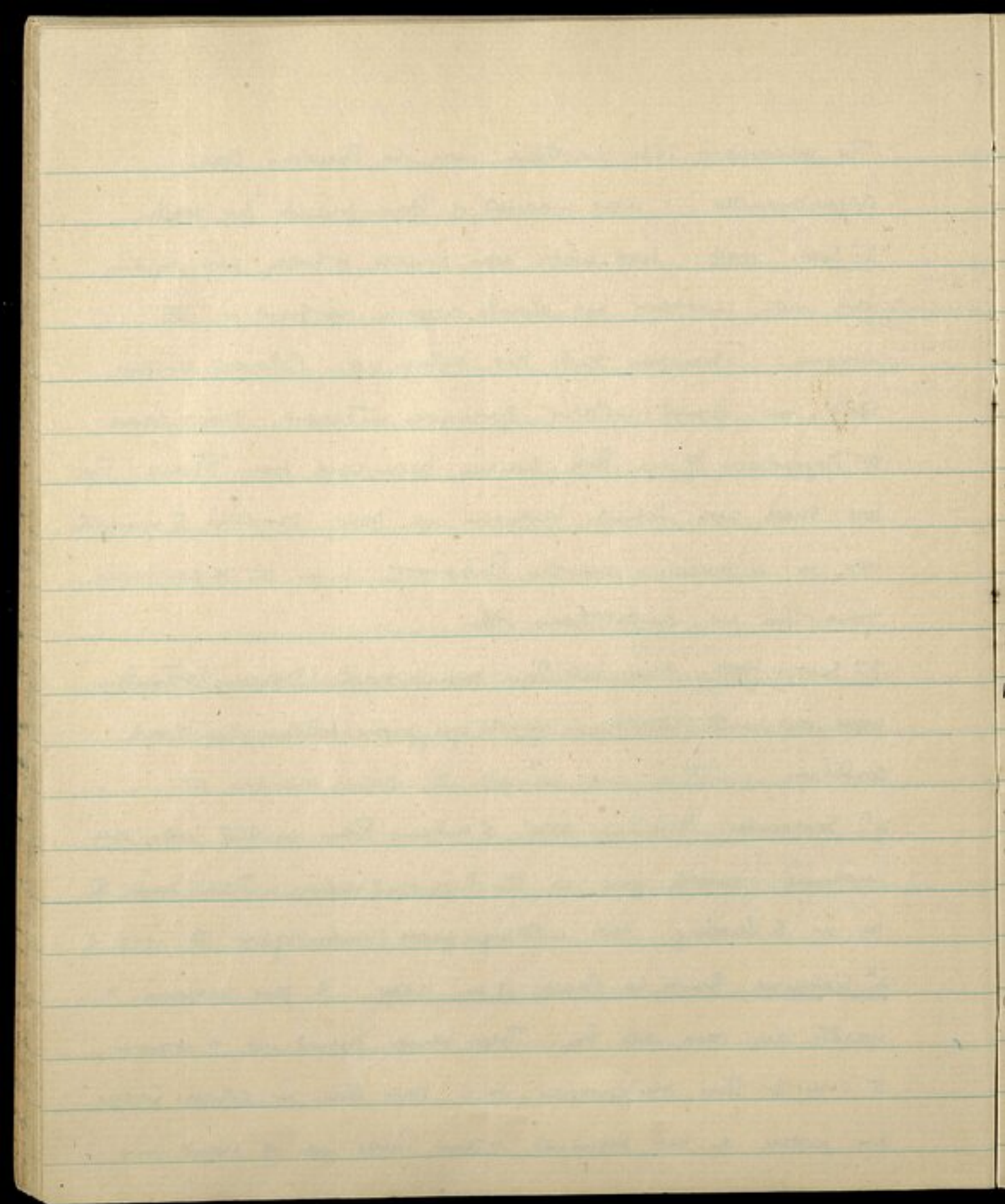
? protala 2540 seeds, but found nothing of much interest. News came

to Ngizitum of a Dah having been sent from Tsongpa. The
best sheep was found, brought up here, within 5 minutes
was in 4 pieces - one for Pukto + Co, 1 for the Kashmiris
+ one for us, with some odds.

^{Nga de}
3^d Sept. Halt. Most all day some rain. Dawong + Tenduk
went out with the gun & got one more kuling, in good
condition.

4th September. Ngizitum. 9500' 5 miles. Rain in the hills all
morning, mostly fine in the Ngizitum valley. Dah said to
be in S. Choling, but nothing more known about it.

5th September. Bimbi La Camp. 11 m. 12500'. A fine morning, &
hardly any rain all day. Three lama turned up & wanted
to pay for their photographs, so I took them in colour. Coolies
are getting a bit difficult, & poor Pukto has a hard time



Bimbi La

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inducing them to turn up in time, or even at all. They have brought us up as far as our old camp, but will not go on any further. I hope they agree to stay the night & take us up in the morning. Puiho & Tsungpen left us at Podjo-Sondo & went on to Chiechar, where Puiho will send Tsungpen off on his second round of the Knipha, to collect seed. I gave him 260 shao to see him through. I hope Puiho may also trace the mail, & send it up at once. We are now on our way home, having left Ngizim for the last time - without many regrets.

had a
way
time

6th Sept. ^{toward Bimbi La.} Fine, sunny most of the day. Went up toward the Bimbi

Bimbi La

La, to the top of the Rhododendron zone to collect seeds of a *Acronyctus longepedunculatus* sp. nov. 2551
small little androsace which was in flower here before, & got a good

packet. It is not all ripe yet though. Found also a fine gentian -

Lomatogonon stapfi 2547. *Ayantha inflata* 2545, *C. hookeri* 2546
or *Lomatogonon* growing among masses of cyananthus, which
Lomatogonon claytonii 2549
covers the hillside. Only out for the morning.

Bimbi La camp

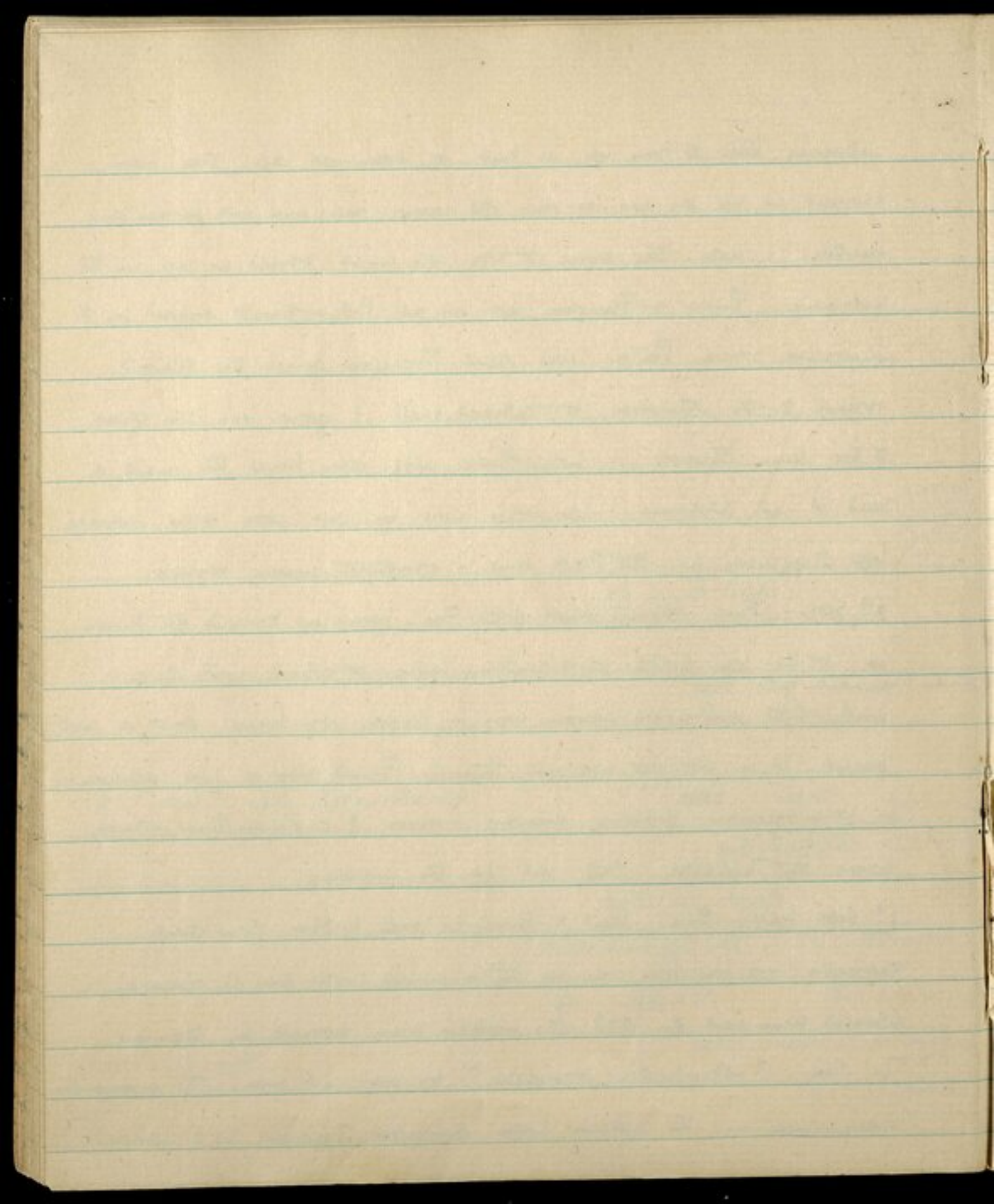
7th Sept. Habit. Fine. Went to Bimbi La with Ludlow. Saw about

G. przewalskii 2556 *Gen. phyllocladus* 2559
Shibataea, a fine blue one on the hill which looks like *G. ornata*.
Gen. agalaxia 2559 *P. macrophylla var. alata*

Collected some seed of 1778, the *mivalis* prim. found by Dawson.

Pen. brachyloba var. sasanensis 2558 *Ayantha inflata* 2559
The stem, *P. rotundifolia* (*obtusifolia*?) sp. was not ripe. The cyananthus
P. macrophylla 2560.

everywhere on the hillside looks a little different, so I collected



Bembi La

Cyananthus wardii 2557 sp. nov.

It, under No. 2557. Tenduk brought in a beautiful allardia

allardia glabra 2553

2553, + Tsongpen sent some seed from Chitchar.

Bembi La Camp

8th Sept. Halt. Went with Danang below camp then up E to a

Bembi La Camp

pan about 1550 + collected seed of P. macrophylla = C. purpurea

P. macrocarpa 2567

P. macrophylla 2560, 2561

It was fine again again, a perfect night, & only a small

thunder shower in the day. Lovely evening again. Took what

may be another gentian, like the Chusan one, up the hill

Gent. brevistoma var. tsanensis 2558, Gentianophylloides seeds 2559

a bit much paler, not so tall, under No. 2558.

Bembi La Camp

9th Sept. Halt. Lumsden, D. Tenduk & I went up towards the Bembi

La, collected some androsace seed, then on to the talao, where

we found some partridges & shot three. Lumsden got one in flight

with 22 shot shot. Also saw a lot of C. ornata (?) &

lucked up some fine specimens of C. ^{prenata} shickantha & some seed

of P. glabra. Then we went on past a dying glacier, over the

ridge to the right & down an awful scree to where Lumsden

had shot kuling before. A lovely day: fine all day. Out

from 7:0 till 3:0 pm.

Bembi La Camp

10th Sept. Halt. Stayed in camp. Rain most of the day, though

P. decurva partridge 2566

never very heavy. Still no sign of our mail, which the Sanya

Cholung people must be delaying, damn them.

fin le da 12

Shaganda + Lama do. 11th Sept. Secoy: -
P. Nyand/Blu subsp. forardum 2570. P. (Lecosa) 2571.
P. Carcano 2572.

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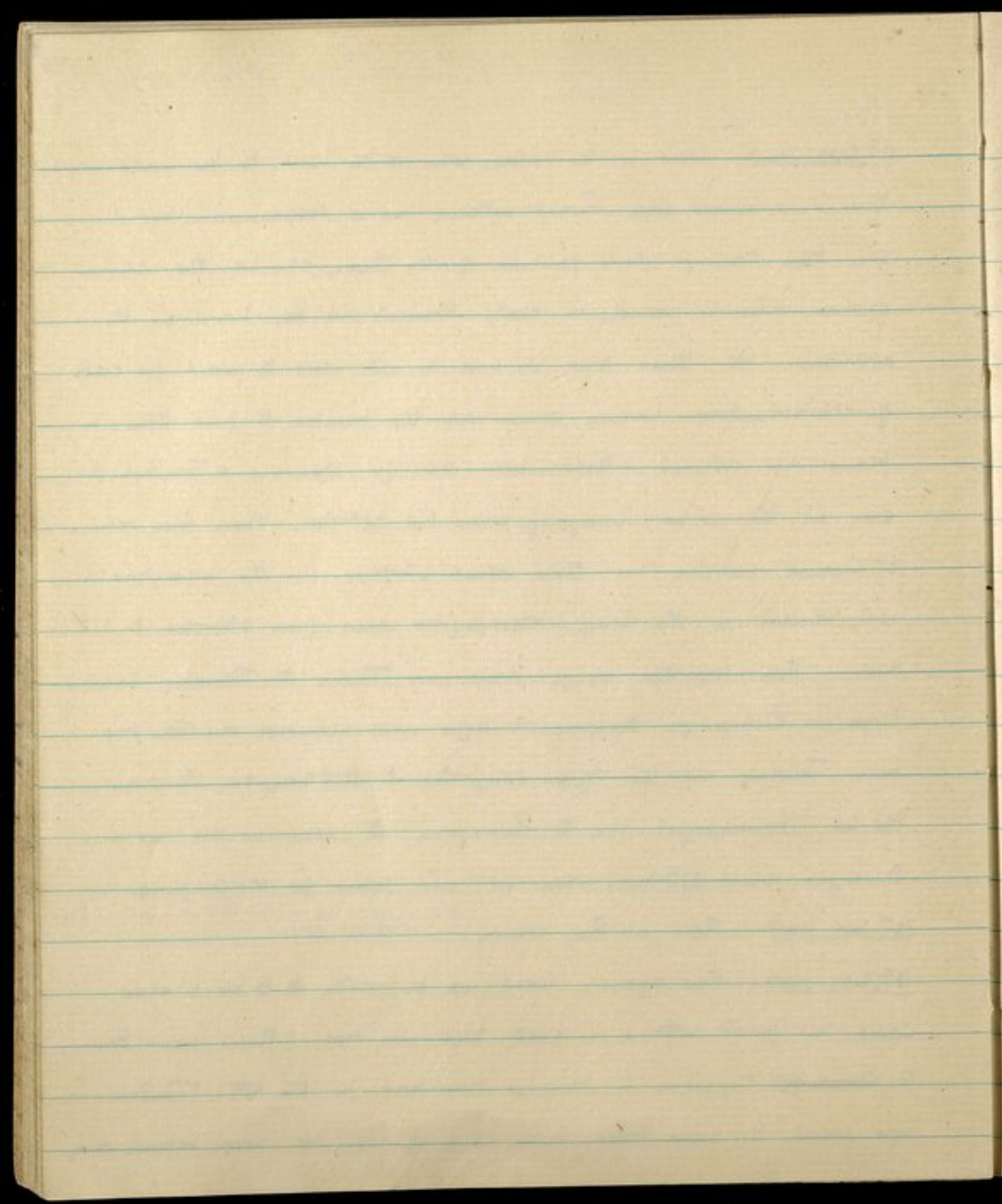
Bembida Camp

11th Sept. Halt. Went up the valley, then to the west to the wala where there is a small lake. Found nothing but a Delphinium, but I saw there Danong's white gentian of the Chang Chu La. The chisam gentian also is nearly in seed. Rained all day, hard in the afternoon. We think that it will be advisable to wait for seeds of Rhododendron, having taken all the trouble to find them. So plans are altered & dates now are for Danong + Tenduk to stay in the Lo La - Langung area till 20th Oct. Then they return to Chang meeting me there about 2nd Nov. In the meantime I will remain in the Lung - Kachung La area from 2nd Oct to 2nd Nov. Then together we go down via Tsone to Tawang, Salden Mera + Pukojung. Danong I hope will manage another trip from Tawang up the Nyam Sang Chu to the Sang La, Chukar. Me ha - Trashiyangsi go to Pukojung to catch us all up in Dwanjiri about 27th Nov, when we will leave for Kalimpong.

Bembida
12th Sept. Halt. Rain all day & misty.

Secoy P. elongata 2580. P. Karstenii 2581
P. Adulci 2582

Bembida
13th Sept. Halt. Fine again. Went up the valley to the E above camp, but found nothing in seed that was ripe. Pukojung went down to ~~Dwanjiri~~ Migyitum to arrange transport for the 15th. Tenduk was found to have fever with temp of 103°. He never reports any.

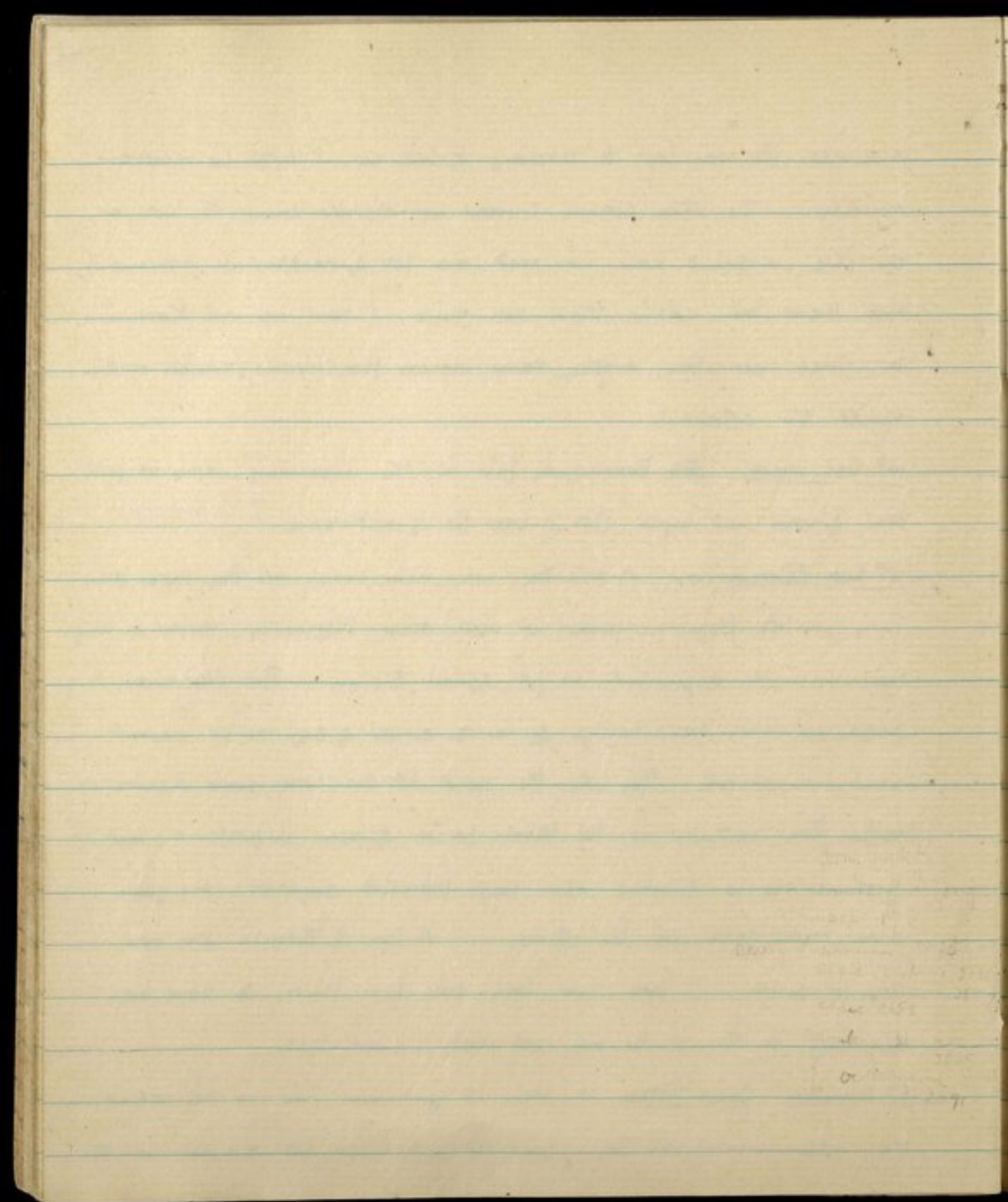


sickness, it was left to Dawson to help me. I hope he recovers quickly. The other evening I went up opposite camp to look at the cliffs, & found some use. seed, & a lot of grass berries & currants, one have been eating them ever since. I sent up all Kashmiris to collect next day, & they came across two bears, which rather spoiled the collection.

Bimbi La
14th Sept. Halt. ~~Good~~ Beautifully fine in the morning, after a good deal of rain at night. Got a last lot of androsace. ? *A. goranifolia* very

^{To}
15th Sept. Chikchar 10 m. A foul day, heavy rain nearly all day after 9 am. Puntso got the Miguithun people up, with some difficulty, & after a long wait & much argument we got off at 8:0 am. The Chikchar people are still here, but go off in a couple of days, so we cannot wait here at all. They are the worst lot we have come across, & rather than headman is. He thinks he is of some importance, but of course he is of none who never branched anywhere, no gives more trouble than all the others. A few *G. detonsa* are ripe here at camp. I have now been here four times, & have been very lucky, as this is the only wet visit I have had.

^{To}
16th September. Camp Totosen. 5 miles. It just kept fine up till about 11:0, then misted all day. We did not move till 9:0 am, on the



From Sumbatse. Sept. 16th Seeds, *P. tibetica* 2602. *Atrophea liliifolia*, 2604. *Adonis gracilis* 2605. *Dracopis langstramii* 2607. *Androsace* 2608

(160)

transport took ages to collect, as the headman there had given us a good deal of trouble, we decided to stay a night here, instead of doing Choram in one day. Collected on the way a few more *Adonis brevistylis* & *Dactyloctenium* 1600 seed of *P. sikkimensis*, and some of the white *Adonis*, which we took at Choram in May. It is a queer seed & does not look ripe, but K W told us he got the seed, she passed through in just before 15th Sept.

16th Sept. I have pretty well decided to try a 3-months trip next summer, May, June, July, to the Black Mountain in Buntan if permission is given by the Maharaja. And for the year after, I am trying to find out all I can about the Pemako area from the South. It would save a huge round by Gyantsé, & I'm pretty sure the Buntanese in Pemako would take me anywhere if only I can get in from Sadiya.

17th Sept. Choram. Fine most of the day, with some very heavy showers. Took a lot of *Adonis brevistylis* *Dactyloctenium* 1600 seed on the way up here. Tsongpan was here & rather depressed. When he met me he said he had not done well in Tsari, but actually he has done as well as possible, though he has not many 'wanted' things, he has seeds of some quite interesting stuff. He had worse rain than when I went round the Kinghar. His chief excitement was

2 p 185 a demoniac because 71.

at Lapu, where the rest house is under a huge overhanging cliff, with a boulder scree below it. A herd of 8 ibexes came on the scree to feed & gradually walked nearer. There was one big head among them. One female actually walked into the hutch where these other men were with Thompson. They put a rope round its neck & killed it & eat it.

^{Choson}
18th September. Halt. Fine in the morning, showers later & rain at night. Stayed in camp & tried to dry seeds. Arranged for the old man who keeps the tsunkang to collect seeds of the Choson gentian which should be ripe in 3 weeks or so. There are masses of g. ornata on all the grassy patches round about camp. There was snow on the hill tops again & I fancy Dawson will have his work cut out to get seeds of the two good alpine *P. sturkensis* we want from Dzigitum & the Tahan ls.

19th Sept. ^{to West post Takanda} Zimsati 13 miles. It rained all night, but cleared up by the morning. Left at 8.0 am, yak & pony transport. There was some sun till about 9.30 when rain started & this soon became snow, which lasted till 2.0 pm. The pass had quite a lot on it, it was lying down to 500 ft about Zimsati. It cleared up for a few moments then, & snowed

Tsongpa leaves
to Karpo the
Traka-la

hard again in the evening. I left Tsonypan at a Droopa above Chertan namo, with two boys with his kit. One man with us caused a lot of trouble by taking the boys then were not to go beyond Karpo, which had been arranged with the head men the day before. In a fit of anger I was very angry, & gave him a good hearty kick up the backside, which made him furious. However it changed the subject, & I think the boys will go alright. A pretty beastly day. The transport people came with no tents or covering at all, must have had a miserable night, though we gave them some bananas when it started to snow. It looks as if Tsonypan would have a pretty rotten time of it on his trip round by Karpo & the Trahan ha, but he seems cheerful enough. There is a new gentian growing on the ~~low~~ swampy ground by camp, & *G. stickantora* is growing on the Chaha, especially the North side, where there were masses of *G. ornata*. It is very common here too.


Zimzaki

20th Sept. Halt. A lovely day, with some storms round about. Sky perfectly clear in the evening. Collected some *G. deltona* seed &

Gentiana

P. flabra. There is a fine gentian here 2592, which I have
Gentiana ampherata 2592.

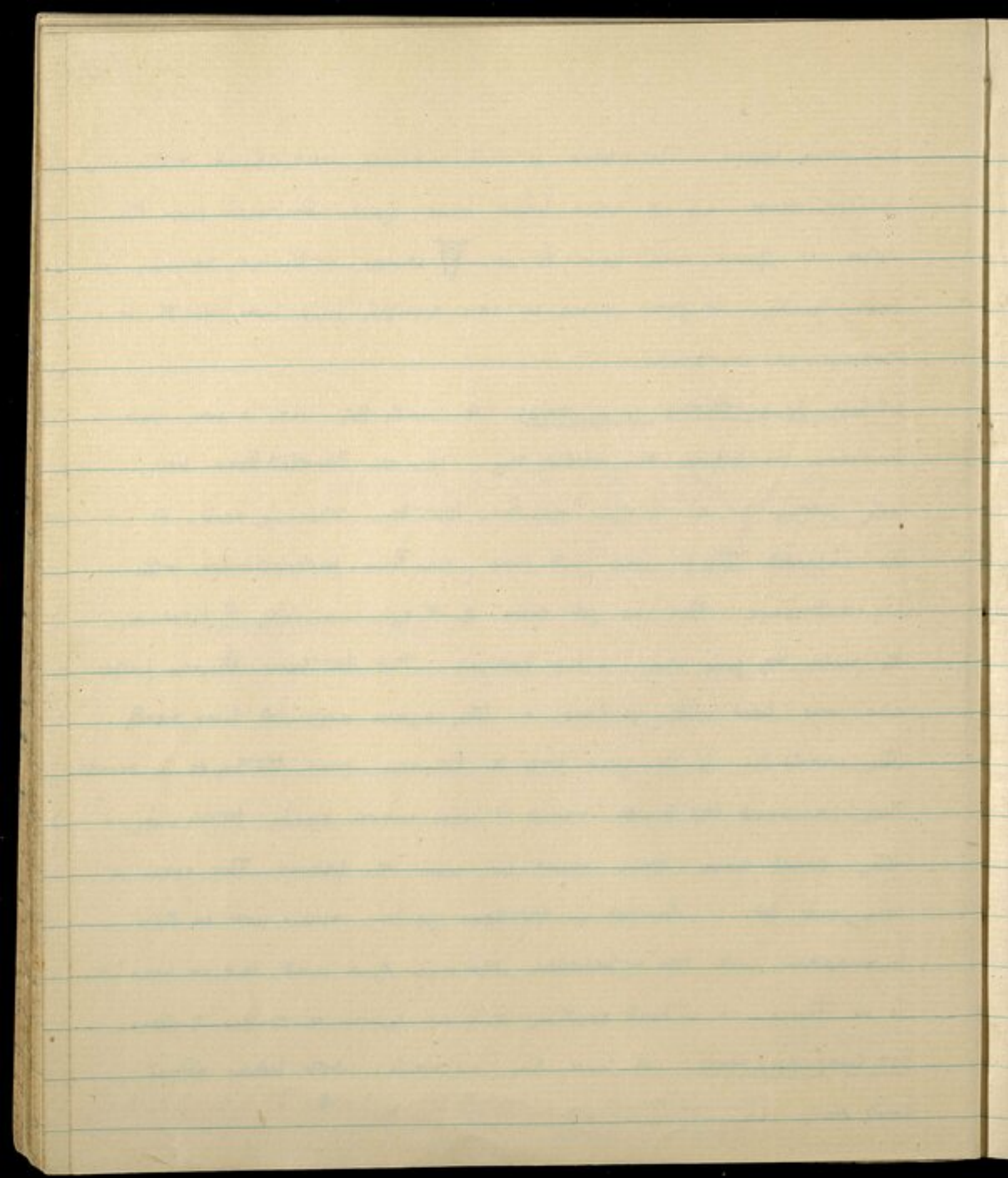
L. 186. *Q. waltoni* seen in profusion from
Boro down to Sanga Choling was
amazingly beautiful. It's certainly the
best I have ever seen.

not seen before. The blue is not intense, but clear, & the
plical show up a more lilac blue, quite distinct from the
lobes. It opens well out to a  shape, & though stumpy, is
very pretty. It grows more or less singly, but has up to 4
flowers on a scape.

21st Sept. Sanga Choling. 10 m. 10900'. A lovely day, with a very bad

hailstorm in between sun & clear sky. We all dawdled down here,
Gen. Veitchovii 2596 S. Walton 2597 *Cyananthus incanus* 2593
only getting in at 4:0pm, spending the time collecting seed. A
few expected things were not ripe, like *Prim. pulchelloides*, & the
big *Androsace*. But we got some of *P. szechuanica*, *P. tibetica*,
the pretty, dry zone iris, & two *Salvias*. Met the same Pamaho people
who were here with us last, & they again affirmed how ready
they would be if we were to go to Pamaho, from the South or North.
They favored the South & said it was much easier that way, &
they could come down just as we leave the plains. They saw a
very nice lot. Camped in the same garden, over us by this
incarnation with tea & peaches. No sign of a mail, but we hear it
is in Tsonga, & intend sending a man off in a couple of days.

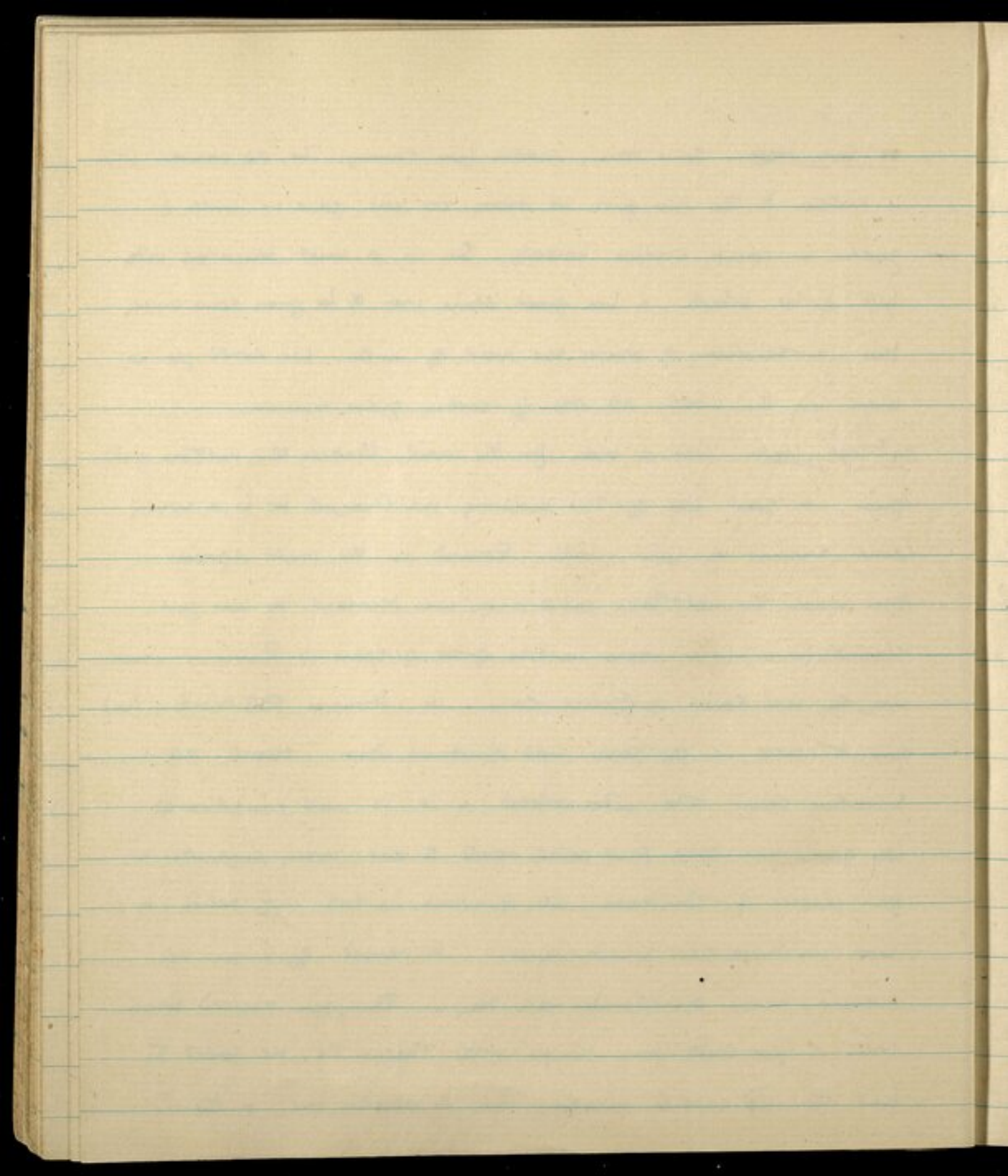
Saiga Choling
22nd September Halt. A lovely day, no rain. Wrote letters & dried
seeds etc. *Pentstemon unala* fr Traka la 2704, *S. alpida* fr Sokpoda 2706 2707
" *Waltoni* fr Shrop



Sanga Choling

23rd Sept. Halt. Some rain, mostly fine & sunny. The old woman who is mother to the two girls we always see here, gave us lunch & yak in camp, & came herself. She is a most delightful lady, full of life & talk, & her great desire was to be given some candy tins, a selection of which she went off with. We could get no man for the mail; all are off cutting grass soon.

24th Sept. Halt. Got a man for the mail, through the mother's good office, & sent him off this morning via Chagel. He is a young lama, & seems a nice youth. Rained in the night again. After lunch the head lama called, & was very pleasant. He has just returned from Khasa, where he told us of scare of Russians, which may be real Soviet or Chinese Communists. However R.B. Norbu had gone to Khasa, & the scare had quietened down. Nearly all S. Choling seems to be inter-related, & it is most complicated. We gave him some fruit salad & cake to eat, many cigarettes & four glasses of Combran, all of which he took with relish, & most in lama like performance. It rained off & on all evening, & was overclouded all day. Tsonpen arrived back with a few seeds from Karpo & the Trakan la. He failed to find the red capsule *nivalis*, but for another one, & the ?



Sikkimensis form which I had taken before seed were ripe near
Shirap camp, turned out to be a miralis, of which he got a few
doubtful capsules. Pinto in some way of his own got 150 sheets of
paper, so I can now pack everything up.

Sanga Choling

25th Sept. Halt. A good deal of rain at night & through the day. Called on
the head official here, a jovial man who gave us a large amount
excellent lunch. He ~~eat~~ eat little, but drank copious draughts of
Chang.

Sanga Choling

26th Sept. Halt. Fine most of the day, some thunder. Had a lunch party
for three officials, followed by a tea party for three ladies. Both were quite
successful I think, an old lama being the guest who enjoyed himself
most. I produced some darts, & he got quite excited throwing them.
The old lady, mother of the two girls, was in good form, although she
ate little, she was thoroughly happy. She has been awfully kind
to us, always sending along small things, providing a man for our
mail & doing everything she could to make us comfortable. Her
daughters too, especially Miss Incarnation, the unmarried one. In
the evening thunder rather flew off the handle: he had hardly uttered
a word all day & was obviously sulking, & at dinner he let go. The
cause was probably chiefly prolonged ~~long~~ high altitude, mixed with

Gyellun.

Drugpa

Too much food & no exercise since we came to Sanga Choling.

27th September. ^{To} Charme 10300 11 miles. Fine till 2.30 pm, then some pretty heavy rain. We got off reasonably early, but the hitch had to be changed at m 2, & there was a long delay there. Reached Charme a little after 2.0 & a late hit in at 4.0 pm. We now have 30 pony loads. The old lady came with some tea to see us off, but as we had no cups, we all went to her house. She is 50 years of age, & thoroughly enjoyed having us there I think. First she produced tea & tsampa & butter, then she said would be take down 12 musa pods for her & sell them in Calcutta for her: she will probably get the best part of Rs 200 for them. Then would we buy for her cloth to the value of the money realised. She was so excited over the chance of getting this bit of trade done that she could not give us samples. However, these we finally extracted from her, & made notes of what she wanted. Then we said good bye quite sorrowfully, & came on our way. The old lady's name is Cyelun, & she was husband first a trader, & then to the Drugpa Rinpoche, who is also now dead. It seems that Pamtan & Sanga Choling have a lot in common, their religion being the same: both are called - in Khasa - Drugpa - the

2.

- L. No 388 *Turnix maculatus banki*. ♀ Chame 10 Sept. 58 Sept
This seen in a road, high altitude of ca. 6000 ft. This is a bird of the
Chame is in the dry zone, north of the main range. It was flushed around
tufts of *Dryopteris* in the pebbly bed of the Cha Chu. It was seen in this
No. 361 *Hirundo rustica gutturalis*. ♂ Chame 10 Sept. 58 Sept
It was seen in the Swallow birds in the area of the Cha Chu. It was seen in the
Passer, *Junco* etc. etc.

Nangdrug & Chindrug, the Maharaja of Bhutan sends a lot of money & presents to Sangyaloling. He also supports a Bhutan lama who lives up the valley a short way. That lama shuns tobacco, whereas the S.C. ones most certainly do not. Humiden still very ungracious today, with hardly a word to anyone. He gave another injection in his woman patient's arm the other night, & again waited till dark to do it. The result was he missed the vein & the woman had fever & a rotten time for a night & a day.

Charnie

28th September. Halt. A fine day, but clouded over a good deal. Went downstream to the first village of Dayul, along a good path. There are a good many migrant birds about now, one for a pippit which is on its way down from Siberia, also a swallow from the north. I shot a small Button quail too - *Furnix masculatus* ^{Turkey} ^{taski} *masculatus*, which does not seem to be recorded above 6000' previously. Collected a few odd seeds too - a crab apple, Gent. tibetica, a jasmine & a cotton-rose ^{rotundifolia} 2709, which I had collected before in flower, when it looks nothing at all. But now its branches are covered with a mass of scarlet berries, & it really is a most beautiful striking sight. Humiden is

2. p 159 At Raprang then the direction of the wind
change in climate which must occur between the village
the Kappa village of Lung is miles further down the valley.
because the clouds surge up the valley on the wind
and by night when they meet the night currents
above Raprang. The Char Chu river below Raprang
flows in a narrow gorge the river falls with
great rapidity down a approx 6 miles

recovering slowly, but still pretty maggra.

Charme

29th Sept. Halt. We all went downstream past Darr, on to Dru. Below Dru, the path drops about 400' to the river, where there is a most nicely bridge of two planks. Raprang is 1 m further down on the left bank. Local Lopas there told me that one could get to Lung that day, but would not have time to return in the same day. We met a most simian Lopa at the bridge, the jumpiest of the jumpies. When pleased with anything, he panted one, just as an animal would do. His face was really very like an ape's, his manners not far removed. In the afternoon, to our surprise, a mail arrived. The Charul Dzongpen, a great friend, had sent a man to Tsoma, who found all our mail waiting there for us, & very kindly brought it back & sent it on at once to us. From it we realize that our outgoing mails were all held up by Tsoma for some time, so none at home had had letters for nearly three months.

Charme

30th Halt. A fine day. Spent the day in camp reading mail.

1st October. Kyimpu. 6 miles. 12000'. Fine all morning, some

rain in the evening. Got seeds of *P. pulchelloides*, the big *P. pulchelloides*

Sherriff went up the Chayal Valley to visit around
the Kachong La in the same neighborhood.

He took a specimen of a bird that he saw in the forest and for the
first time the Himalayan Crossbill, *Dicops cucullata himalayensis*.
A number of them in mixed flocks, silver fern & dense forest. They were
feeding almost entirely on the cones of the latter.

See Iris - 348. & Aug. 6.

L. D. return to Tsona from Minu to Sakdu via Tawang - then
to Dewangiri.

|| Dickson & Sherriff ||
|| Separate ||

scrophularia + Codonopsis nivalis. Androsace not yet ripe,
+ C. Walteri is in full flower.

^{2717 Kyinpu}
2nd October. Halt. A fine day with sun all day. The
Drihung La has a bit of snow but it should soon go with
this sun. Went up to the Le La, & saw C. amoena in full
flower. Got a fine haul of seeds of P. nivalis (macrophylla?)
& a similar higher altitude one. Most are barely ripe yet,
as P. caudroniana, P. rotundifolia. A little Mec. bella found.

^{2717 Kyinpu}
3rd October. Halt. A perfect day, even the hills being clear of cloud
almost all day. Stayed in camp & dried & packed seeds.

^{2717 Delf. v. caum}
4th October. Camp N of Drihung La. 15000(?) 7 miles. Fine, but
clouds ^{shewiff separate} except from 8.0 am till 1.30 pm. Quite a good day for
seeds again, but P. caudroniana is not yet ripe. Left ^{v. allchroum 2720} hudson &
^{Delf. v. caum 2721} will next see them in India, at Dwanjin
about the end of November. Ahmad Sheikh & Tsongpen
accompany me, & Piuo as far as Trim to make the bandpass.
^{P. macrophylla 2719}
Seeds of P. nivalis sp very common ripe 2719. They are the
same as the Le La seeds 1561(2). Also a Primula ^{abrotanella 2722} little like
P. abrotanella, but I think perhaps different 2722. Snow lies
about 500 ft above camp, & thence to the top. I handed over my gun

Driehung La. 5.10.36. BP 182.0°. 16419
 Temp 46°. 1.0311
 Time 9.30 am. 16419
 492.57
 16419
 16419
16929.6

Leudon at Kympu

Cyanathus lobatus seed.

193.

Leudon at Kympu

G. zino ornata all over the place
 one particular bush I saw killed by white caterpillar.
 It was situated on a mound of soil next to a wall and
 shot from within the circumference of a circle 1/2 ft
 in dia. there were over 1000 there.

to Pukso 500' from camp, then came across 2 kulins asking to be shot. He, without cartridges bumped into a herd a burlak with 2 good heads. Pretty chilly here, but not so cold as I expected.

5th October Trin, 8 miles, 12000'? Cloudy all day even down here,

no dampish mist on the pass. Got a good collection of seeds

Dec. thymifolius 2723 seeds

of the pink meconopsis; under 2723. Otherwise nothing much in the seed line. I hope we can get some *Cyananthus Wardii*

later on about 500' above Trin. Everyone quite happy here, but nearly all men have gone off hunting, including the

Gyimpu of the Other Trin. But coolies & servants are promised for the day after tomorrow. Obviously the monsoon has not

finished here, as clouds are very low. Lepas have stopped coming

here, so it seems there must be snow on the Kashiung La.

BP of Pass 18200. Temp 46° Time 9:30 am. Ht 16930'. Bearing

of Karutra from here is 86° Mag.

Thön

6th Halt.

Dec. thymifolius 2251

Stayed in camp west of the Pass. There is still a good deal of the little dry zone iris seed here 2251, which I collected.

Pukso returned in the early morning, & hoped to reach Khympu that night, a long march. Cloud all day & some rain.

Linton at Kympu

Linton at Kympu
seeing Cyanoptera libellula

Linton to Gyandoo via Ledia
see bella lake
P. rotundifolia & said nd npi
G. Waltmi

7th October. Camp above Natampa. 6 miles. 11500'. Cloudy all day, with a little fine drizzle. The clouds come rushing up the valley from Lung, & gradually fade away, but it is still generally wet.

Found some seed of *Gent. Waltheri* ripe, the little yellow sedum, & the yellow *Dracocephalum*; also the *Thalictrum* collected at Zundati. Coolies very happy but exceptionally slow. Left camp at 6.30, only for here at 12.0 noon.

Karubia

8th October. Karubia. Another very short day, in at 11.00. We

could see that beyond the Drelung la, it was absolutely clear

all morning. Here the sun shone most of the day, but it also

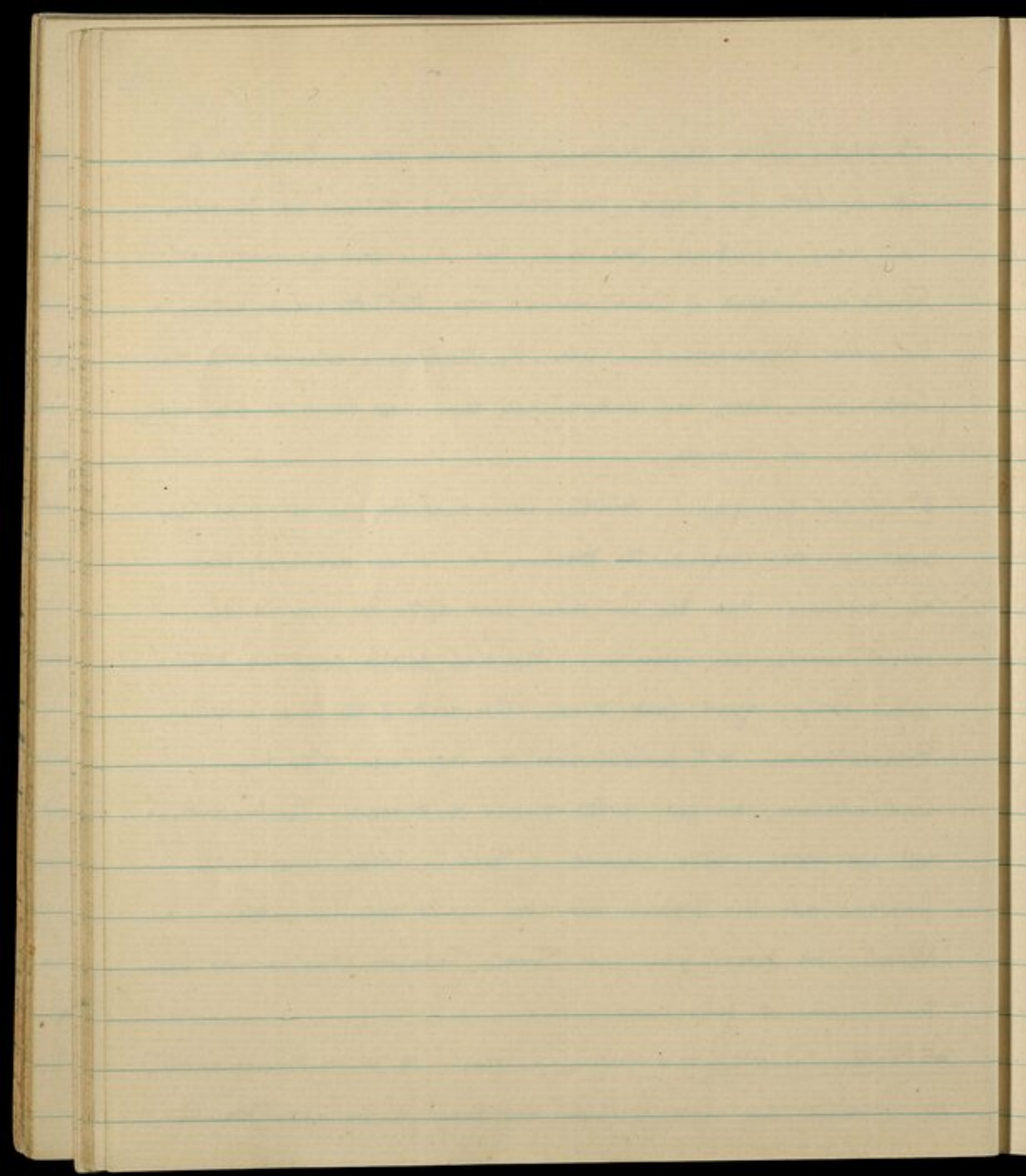
rained nearly all afternoon. Monsoon clouds come up to the main range, & just fade away. Got seeds of the blue & yellow

Dracocephalum & *P. pulchelloides*, an *Aquilegia* & the big *Scrophularia*, & a few of the small *Androsace*. The big one is not yet ripe. Here we met a *Sikkim lama*, who had

forgotten all his Lepcha but could talk a little

Nepali. He comes from near Trashie Tronjue, where he has been for 14 years: a nice man.

9th October. Camp 2 m W of Karubia. 14000'. A most disappointing day. It rained all night, & snow was down to 500' above Karubia.



However the sun was soon out, & I had hopes of it melting the snow making the Kachongha easy enough. The sky was bright blue & clear to the S of the Charul Chu. I reached the pass, with Tsongpen at 10.0, in bright sun, but S^x the other side was thick mist, with some snow falling. The pass had 2 ft of fresh snow, & was not too easy or even too safe. So I sent the coolies back to a mala bed about 2 m. west: They had reached within 300' of the pass, but would have had great difficulty in getting further. Tsongpen & I went on over the pass, but it was difficult to see anything. All flowers were covered with a thick coating of snow, & I knew we could do little, but try for the yellow primula. This proves, as I thought, to be a petiolaris primula, but we took what seeds we could find & one fine big plant with a good bit of earth. Unless it clears up for three days running, it will be no use going over again, a great pity. It is doubly annoying, as the snow in the day, only reaches a mile N of the main range, beyond which is bright sun. Here in camp it snows all day, but we are just on the edge of the sunshine too. Wind is awful here, driving a heavy fall of snow which will lie all night. On the Kachongha we could see & feel it snowing hard

Ludlow moves to Chayul at Gong
soon, Dractocipalir homilyam

on the South side, while on the N. it was bright sun, though the snow was blown a good distance beyond the pass, by a very strong wind. The *primula retundifolia* seeds are not yet ripe, we could find no *P. tenuiloba*. But I got some good seed of *P. nivalis* sp., a several other things of less importance. The marks we look for *Cent. stictantra* were covered with snow, but I found a few ripe seeds. They have been eaten by insects, Coolies returned to Karutra, & are to come on the sixth day. On the way up above Karutra, I came across about 50 crossophilon, but did not shoot any.

near Kashing La
 10th October. Halt. Yesterday afternoon evening were beastly. A howling gale was blowing, it snowed steadily all evening & a good deal of the night. The wind dropped about 8:0pm. Tsungpen had bad snow blindness, & has had it all today too. Today was lovely after about 8:0am till 1pm. Then the rain came on & later on snow, but the wind has not been nearly so strong, only in gusts. I found a few more seeds of *C. stictantra*, some *Plec. kelia* & a little yellow *primula*, besides a heath which we collected above Mugyikun. This heath, 1713, *Diplazium multiflorum*, *Furus* a lovely

Studies at Chayut Dong

Seed of *Heteros*
" *Ceratostigma*
" of the beautiful *Indica*?

Studies to the Shika

colour in autumn, & should do well at home. I doubt if I will ever get over the Kashongpa to the primulas I want. It does not seem as if it would stop snowing any night now. Tsongpen still has one eye almost closed tonight, but has had a sleep. I put tea leaves on for an hour, & have twice bathed them with Optrex.

^{Kashong da Camp}
11th October. Halt. Hardly saw the sun all day. One inch of snow at camp again in the morning, snow on the hillsides again. It is amazing to see blue sky & the sunshine only a mile down the valley from us. The Trin gyimpu arrived today: he says this will get horse fit the end of the 9th month - about another month, then clear up. Tsongpen's eyes are much better, she was out with me for some hours today. We managed to get the yellow primula ^{V. pinnatifida 2731} 2396, which I thought I had got yesterday, but found I was wrong. I now have a fine collection of it. ^{V. pinnatifida 2396 2732} P. caudata is still not ripe. Very cold in camp, rain or snow all day long & a tearing wind.

^{Kashong da Camp}
12th October. Halt. Snowed all night, snowed or rained all day without a break. Snow is now, 6.0pm, lying pretty thick in camp. It seems to get worse each day, & there is no sign of a break.

Tsongpa's eyes are now back to normal. We collected a lot
 more of the yellow primula 2396. Its capsule looks very like ~~that~~
 of a petiolaris, but I do not think ~~that~~ that it can be
 that section. In flower it appeared to be a *Sikkimensis*. Beside
 it grow two others, both petiolaris, I think they are the
 Chichan blue one, & the big flowered, small leaf purple one
 we found beyond the Kashongpa. But the latter might be
 the little white petiolaris one from Chichan. In the afternoon
 we went up the very steep gully towards the other pass, & got
 a fair collection of *Mec. bella*. But the best thing found was
Tendula primula - small leaves, & a big pinkish flower. It has
 thrown all its seed, but I found a few in mud among the
 leaves, which will be a job to separate tomorrow. As we
 may not get over the pass, I am glad to have some of this
 one from this side. The Trim gyimpu returned home this
 morning, but will come again with the coolies on 15th evening.
 If only this blasted snow would stop, we could get a good
 haul beyond the Kashongpa, & perhaps find seeds of *P. bella* &
 more of *Tendula* one. It is one of the questions to try to get
 over the Changpa now, so I must do without seed of the

Letter to Jora

Letter to Loro Tö

Meconopsis & *primula* which are wanted from there. No sign here of kuling or any other game birds. I have seen a great number of wack creepers, which are probably on migration South.

13th October. Snowed & blew half a gale last night up till about 10pm, when it only snowed. Snowed in camp most of the day, but clear towards the Kashing La. I spent most of the morning trying to pick out seeds of *Tendula* ^{*P. Minnesota*} *primula*, 2359 (2735), I suppose I must have collected about 150 seeds. In the afternoon went down the valley looking for kuling & came across their marks very recently made, but no kuling. Tsungpen shot one crossbill. Got some seed of one *Hebe* which appear ripe, name unknown to *Cant. ornata*.

14th October. ^{Kashong La Camp} Halt. More heavy snow again last night, in camp rain & snow all today. As it looked rather more promising, I took up two Trim men, with Tsungpen went to the Kashing La. It took us, without a halt at all, just under 2 hours. The snow at the top is now about three feet deep, & going along the last rock ridge, with a very narrow ledge covered in deep snow was not too pleasant. Bright sun this side: clouds & snow the other, & a perfectly beastly wind coming over the pass. We reached there at 8.30. Tsungpen went on with one man down the

15500
 10022

 15500
 30000
 31000
 3

 15534

L.P. 199. *Isabella* by *Platyclypeus*
 only in *Black Plateau* County. *Isabella* is the *County* *Isabella*
 of the *Isabella* *County*

East side, while I stayed on top & took a hypsometer reading. It gives B.P. 183.6° Temp. 33° Time 8:30 am. Height approx. 15534'. A magnetic bearing to Trin (L. bank) was 277° & one to the South end of the Lagyar Thungtso was 115°. Leaving the pass I had great difficulty in getting my boy away. He lost his nerve & would not move. But I took him by the hand for half a mile, & then he was alright. Tsompen found deep snow all round. He did the circle out the Shupten La where snow was very hard & difficult, & he had trouble with his man. He found nothing at all, & was unable to dig out anything from the snow, which varied between 1 & 3 ft deep. However he brought in one more *Papaver* of the fine yellow *petiolaris primula*. I hope they live now till I get them home. I did a long chukka round towards Karutra, first looking for seeds & then kneeling, but had no luck. The *Cent. ornata* on that hillside are a perfect wonder, just in mass & all still in full bloom. Back to a cold & pretty miserable camp at 2:30 pm, where it is still snowing, & blowing very hard. None of us will mind leaving here on the 16th.

Reshony de Camp

15th October. Halt. More snow than ever last night, & the same

Quelques to the
L couple each cost a few 1/2 yds de
Tortoise

conditions all day in camp - snow again with patches of sun. All I could collect today was some seed of *Gent. ornata*, but I went out again to look for kulung with Tsingpen. First of all I shot a raven for Inpin at Darjeeling, then we came across three kulung just at the top edge of the rhododendrons, and got two of them. They are in good plumage, except for the head snape, where molting is not quite finished. Made flat skins of all of them, but wonder how they will travel tomorrow before being set. I made a box today, and have

^{Prunella} put in it a good many birds - two good birds of the *P. hularis* yellow petiolaris 2370, & three other birds which include two ^{chamaedon} primulas, both petiolaris. One, I hope, is 2373, a most beautiful flower, the other is only the little white pet. primula we first saw at Chubchar 1614 or 1615 - a most uninteresting one. Let's hope all arrive in good condition at home. Temp in tent 20°F.

16th October, Nairampa. 10 miles. Last night was clear after

5.0pm, & very cold, with no more snow. The morning was perfect, really clear, with a hard frost. We had some rain

down here, but nothing much. Saw a number of kulung

Karuta: ^{very} *Amisae brahmaputiae* 2707 *R. velleraum* 2738
above Karuta & also *Crossoptilon*, but no blood pheasant.

Ludlow to Tsona
seco y Paragmuleza

The view back to the main range behind camp was really magnificent, & made one feel glad to be alive. All the way down, the autumn colours were very fine - birches, & larch being particularly beautiful. Karutra is now shut up for the winter. Had some trouble as a few coolies did not turn up from a village above Natrampa.

R. vellerum seeds 2736

No new seeds, but one *Rhododendron* which is ripe now.

17th October. Lung. 9200 7 miles. It rained most of last night,

& has been raining most of today off & on, & there is a strong up valley wind blowing. Still a few iris seeds on the open camping ground at Natrampa. At the crossing of the

sheep side nala 1 m this side of Natrampa, I found two

R. glaucophyllum seeds 1355

Rhododendrons with ripe seeds, one No 1355 which I had

marked with a label. The other I had not seen down there before,

R. ciliatum 2739 seeds

but had collected up above, 2739. Quite a number of

Lopas about, but I don't know if they have been using the path yet, which lead through the bamboo & *Rhododendron* which I want to visit. The bracken is still very much standing, but is brown & more brittle than it was. At the junction of the Char & Charal Char, one can actually see Raprang. The

Lectures at Tsona

Lectures at Tsona

Char Chu is now quite clear again, & the river is clearing up gradually. No sign at Lung yet of the monsoon being over.

^{Lung}
 18th October. Halt. Rained a good deal in the night & in this morning, but not very heavy. Stayed in camp & collected a few *Tedderium* *giganteum* *bulbs*. In the evening, much to my surprise a mail arrived. Ludlow very kindly sent it on complete only taking out his own & his letters, & leaving me all the newspapers etc., very good of him & very thoughtful. It was grand to hear again from home & Kashmir. All our mails seem to be going well now, & I have a report on all my Infarcom. film packs up to No 26. On the wire they are well reported on.

^{Lung}
 19th October. Halt. Went up the hill, cutting a path through the high branches. A foul day, rained hard from morning to night & mist lay down on the hills. Very disappointing. We found all rhododendron seed unripe, & most will not be ripe for a month at least. I never saw a sign of a tragopan or of murrel, but will go again once or twice. It was pretty muddy in the bamboo forest, frightfully wet, & the place full of rotten wood. A bad day.

Lindas to Camp at foot
of Kacuan La

Lindas to Shao
? *Senkaria strata* - seeds

p 202-3 Lindas to Tawang
Gen. *Silvestriata*
near *Stuhl* form of *bee horn*
S. amara

Lung

20th October. Halt. The first fine day we have had since the 4th Oct. Wind from the North, cloudy but bright. Went down the valley a bit - wandered round the flat part below camp. Shot four birds, & saw two woodcock about a mile down. Tsongpen & the gyimpon with go off early in the morning to look for tragopan.

21st October. Halt. Another beautiful day, fine all day. Tsongpen & the gyimpon spent from 6 am till 2 pm looking in the jungle for tragopan, but they saw none, not even any signs of them. So I'm afraid we are unlikely to get any here now, though I have two more days to do up on the hillside.

Lung

22nd October. Halt. Fine all day, with a very strong wind, clouded over in the evening & looks like rain. Tsongpen & I went down a good long way in the main valley - 5 hours. The path is really pretty dreadful, hardly ever level for 10 yards, & as much on notched logs & ordinary logs as on the ground. It is far the worst I have seen anywhere this year. Shot a *Leucosarcus stellatus*, *sibiricus* & *Fulvetta ludlowi* in beautiful plumage, & saw two or three watercocks. The *Cinnabarinum rhododendrum* is not yet ripe, but I took some seeds to try. The big *Maddenia* *R. crassum* seed
2332 & 2338 were not ripe, but further down I came across one.

d. 203-205 Leutas to Mukhar

Leutas to Sakden by the
Summit of the Ngang Langda.

R. lindleyi 2744 seeds

bush, with ripe capsules. As the capsules are so much longer I

have collected it under a new number 2744 - seeds are perfectly

ripe. A few other odd things also collected, including one

Rhododendron, which we did not see in flower in July, with very

R. Wilsonii 2745 seeds

thick tomentum, & capsules covered with the same tomentum (2745).

R. Kendrickii common. 2746 seeds

Ticks pretty bad, as there is a good deal of bamboo on the

paths. The trees are mostly *Rhododendron*, bamboo, deciduous

of various kinds & a good many pines. The river flows nearly

North for a bit then turns E again; the fall is always

steep & the valley is very narrow & steep sided. The left bank of

the river is mostly covered with pines down below.

^{Dzung}
23rd October. Halt. Fine down here all day, with some snow on the hills for an hour or two. Went up the hill again, further than

I had been before, but saw no sign or marks of *Tragopan*.

R. sherriffii seeds 2751

R. pulchrum seeds 2752

R. argyrum seeds 2753

Rhododendrons disappointing, but I got two which are ripe, &

R. fulvum seeds 2754

have taken a few more which may come to something. Ticks

again pretty bad. There has been quite a hard frost down here

the last two mornings, especially this morning.

^{Dzung}
24th October. Halt. Some rain last night & this morning. Mostly

fine but clouded over. Talking to the *Trin* *gymnopus* today, he

L 705-208 Dublin at Sakda

told me had had seen what a good many would, about then
 have the crest - spatulate feathers not curly. He shoots south
 of the range S of Kap. A lopa turned up today who says
 he will show us where tragopan are. I think the gympu
 does not expect much, but we will see tomorrow. He says
 they are above lung houses, but how far up I don't know.

^{Lung}
 25th October. Halt. It takes a long time to find out about
 almost everything here. Only today, my last day, did I find
 that there is a good path leading to the Chumpung La. It leaves
 from 50" below the lung houses, ~~climbs~~ very steeply. Lopas from
 Lung halt this side of the pass first day, then over the second.
 It must be low, as the gympu says people can go over it all the
 year round, it is regularly used when the Kachung La is
 closed. That I know is true, as we passed 15 lopas today going
 back to their own country. The path takes one to most
 interesting country. First through open pine forest with a lot
 of bracken, where I shot a partridge, the first seen up this way.
 Then through a pine forest of birch rhododendron, very steeply
 at first, then level along to the left into a valley. Beyond that
 I did not go. But where the path enters this forest, we saw a

R. erom. nos. 2753 ^{of nov.}

Ludlow's Camp 5 miles above
Phongmei

tragopan. I was too late to get a shot at first, then ran
 up hill after it, but never saw it again. However there were
 many fresh marks - today's - of tragopan at the edge of the
 forest, but we saw none. On the way down I shot a
 cold fil from a party of mixed tits feeding, moving very
 quickly among pine trees. I only wish that I had known
 of the Slumpung ha & the route there when we first came
 to Ngizitum. Had I known, I'm sure I would have found
 very good stuff in June on the ha & to the South of it.
 It would undoubtedly have produced more stuff, & more
 interesting stuff than the Kashongha. Rhododendron there
 might have been like the Lo La ones. It can't be helped
 now though. I am told that the pass beyond the Kashongha,
 which I have called the Changha, should be the Kiang ha,
 Kiang meaning cold or a cold place, - well named.

26th October. Natrampa. 7m. Tsongpen & I went up again to the
 tragopan place early this morning, but we saw & heard
 nothing. There were fresh scratchings, but I think these may have
 been made by *T. ocellata*, which was pretty numerous there.
 More spots had been up before us, & were camped a little

Leadon to Rangyung
at Ru. The rice crop is being
harvested. The Poluasi road at the
front.
People here very busy getting out
logs for the Trashegong Gang.

Leadon to Trashegong
d. 207. Transfer of logs to Trashegong

further up, & they may have frightened off any tragopan there
may have been. Nothing of interest seen on the way up.

Rhododendrons at the vale 1 m below camp are by no means
ripe, & I fear they won't come on, although I have taken trips
towards the end. Fine till the afternoon when a little rain.

Clouded most of the day & snow on the hills.

^{Natrans}
27th October. Hail. A perfect day. in the evening some snow up

the Karutra valley. Tsongpen & I went up the rhododendron

valley, & did pretty well. We got seeds of 8 or 9 rhododendrons,

mostly fully ripe. It is odd how much earlier they are here

than at Lung, presumably because it is wetter at Lung. I

shot a woodpecker, but it fell down into holes among rocks, which

led down further than we could see, & we had to give it up.

No sign of blood pheasant or of tragopan. On the whole one

of the better days. Ticks a nuisance. They are very common

now at Lung & here, mostly in the bamboo jungle.

28th October. Train. S m? Fine all day, but rain on the hills,

& clouded over most of the day - Tsongpen has fever today, caused

I suppose by the cold wind there is always blowing up the valley

all day. He thinks it is tick fever, but I don't think there have

Flowers
Ceanothus 2757
Lithospermum 2758
Pteris 2759 2761
Samolus 2760 2765
Lactuca 2762
Brachyanthus 2764
Saxifraga 2766
Saxifraga 2770
Saxifraga 2773

Diario de Trastegon
L. 208 y 209 (manuscrito 0029130)

Diario de Jopu de
L. 209, -10

been bad enough for that. We got a pretty good collection of
fine waltoni
type seeds of *Caul. Waltoni*, but otherwise nothing.

29th October. Hall. Fine all day, but clouded in the morning: much
new snow near the Kashong ha. Tsongpen is much better today,
should be fit in the morning. Collected two more packets of

fine waltoni
C. Waltoni. Paid off all coolies at the rate of 3 shao a day.

I am now anxious to get to Chagel, to meet Tenduk & dancing
shear how they have got on. There is a lot of snow up the
Dnichung ha range, & I hope there has not been too much
on the he ha. The gumpu says the Dnichung ha is never
closed, but sometimes after snow, they cannot cross it for a
few days.

30th October. Kap. Sm. A beautiful morning till 11:0, then clouded
over snow on the hills all round. A very strong cold wind blowing

fine waltoni
up the valley. Got a few more *C. Waltoni* seeds, searched for
ceratopygia seeds. But we could only find four seeds. Every bush
has been attacked by some bug & all seeds eaten, most annoying.

I wonder if this year is specially bad that way, because nearly
all seeds have been eaten, prinula, *Meconopsis* worst of all,
Rhododendron.

Reulas et Jompa da
L. 210 : Vais Jm Jompa da Reula.

Reulas et Jompa da
bulbo, Cariscrem giganteu

31st October. Chayul. Rain during last night, & cloudy all day with a strong cold wind up the valley. Daming Tendun have not arrived yet. The Dzungpen is very kind, & is arranging to send a mail on from here to Tsoma. I don't know, she has his doubts, whether Tsoma will send it on at once, but I hope so. We have not met today, as Tsungpen hardly feels up to the translation work with a Dzungpen. Mail leaves tomorrow morning.

1st November. Halt. Stayed in camp, a very boring day. Daming & Co have not arrived, but I don't think they will be later than tomorrow, the arranged date. If they are, it means they must have been kept up for transport. Today was a perfect day. It rained a little in the night, & there was snow very low down. For the first time yet, the wind blew down the valley, & this is the best sign of the end of the monsoon we have had. Not a cloud in the sky this evening. The mail went off this morning before 6.0, & the man will reach Tsoma on the 4th midday. At that rate it should reach Luidun about the 6th Nov.

Reedon at Joupin La

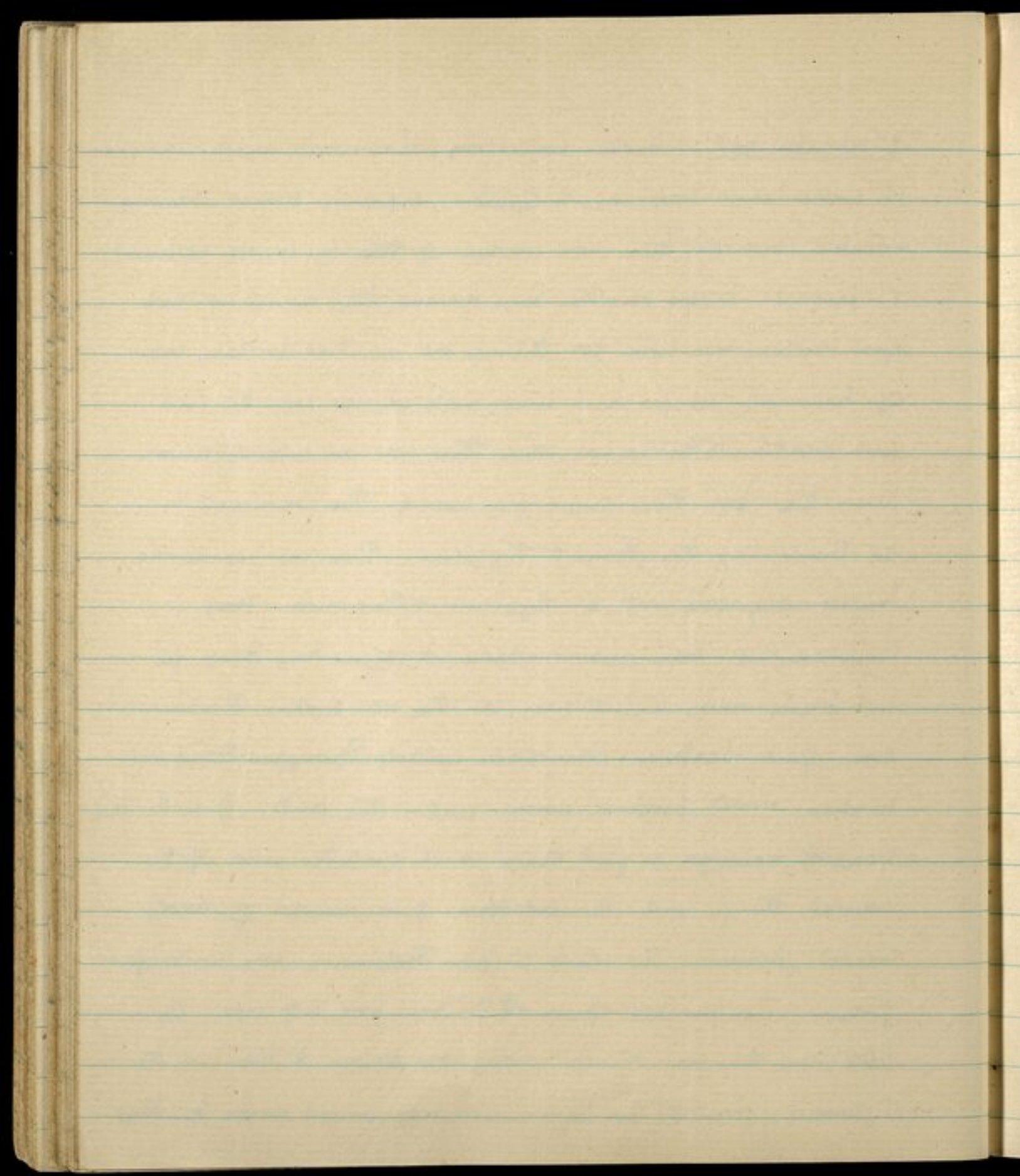
Collectors Danong & Maduk }
return

Chayul

2nd November. Halt: Another perfect day, clouded all night. Tsonghan

I walked about half way to Gyandro, expecting to meet Damsong
→ Fenduh, but as there was no sign of them by 10, we returned,
I prepared to stay another day. However they turned up soon
after 2.0 pm, we have got through all we had to here, save
of tomorrow. As far as I have made out so far, they had
good weather to the Lo ha, where there was an inch of snow.
When they left there snow fell heavily. They returned by
the Brinkhi la, then down to Nijyitum. There was no evoker
trouble anywhere but at Nijyitum & Chichchar. Halt

Nijyitum has been arrested & taken to Kyim Dong Gong for
not paying rents. I'm not sorry, as they were swabs. The Chichchar
'soot' of a headman, who calls himself Dsongpan, demanded
loshas, & would produce no one unless then paid. Of seeds, they
seem to have got a good show & it includes most of the
wanted things with the exception of a number of badly
wanted ferns. The white C. from Tsonghan was under feet
of snow. The blue 2592 from ~~the~~ Zundati was not ripe, the
little blue one from Kyimpu was never shown to them, & the
C. ausera from the Lo ha is not ripe or all eaten by bugs.



Ranzanas blue primula had no seed, & one over the Lo La
 then could not get as they were not allowed over there.
 Otherwise I think they have done well. Ludlow yellow
 primula, the almost black one, the reddish violet *Sibiricus*
 from Dzigyitan & the yellow which we hope is Kw's
 new one, from the Tahan La, are all collected. They have
 brought a number of plants too, which may remain alive,
 & on the whole I think done very well. But as yet I have
 not had time to see what they have got. Better seen yet.

The Brishi La was very deep in snow & snow was down to
 Chosam; so the Tsari part was very difficult. At Chichan
 been for nothing, but perhaps that was the fault of the
 head man. It is interesting to hear that rhododendrons were
 more than ripe, & that Dawson says if they had left us on
 1st Sept, it would have been better. Altogether been seen
 to have about 150 specimens, with seed, some of which of
 course, I also have. The Dzungpen is very keen to have a
 Mauser pistol, & I have said I will speak to R.B. Norton
 about a license. The Kyin Dzung Dzungpen was very kind
 indeed to them. Tsenduh was impressed to show him a cake

Ludlow to Kloma Nagri

Ludlow at Kloma Nagri

should be made, she says he did it with great success. Sugar & Kishmish were provided by the Dzongpen. The latter said that perhaps they would be in danger going to the Lo La & that they should take a rifle with them. He gave one, & made them take it, which I think was extremely good of him. He gave a great deal of help all the way, & undoubtedly he & the Chame Dzongpens are very nice & helpful people, & both very pro British.

3rd November. Yar Shika ^{Shika}. 11500? 12 m. A perfect day. Left at 6:30, in at 1:30 pm. Ludlow went on further from here, & I believe transport was very late. Went over the first 45 of Dawson's collection, & they are very uninteresting so far. But we are reaching the more interesting zone. I'm afraid he missed a great deal. There is a perfectly hellish wind here tonight, though there was hardly any till 3:0 pm. I can find out nothing about the Karta - Penta Dza La route, though one man said two days from Trasli Tromque to Tsuna, which is obviously all wrong.

4th November. Shio Dzong 13200' 45 m. Another perfect day: all the mists are cloudy, but clear by 7:0 am. There were no gympas in

Distnat Khoma Nagri

Shika

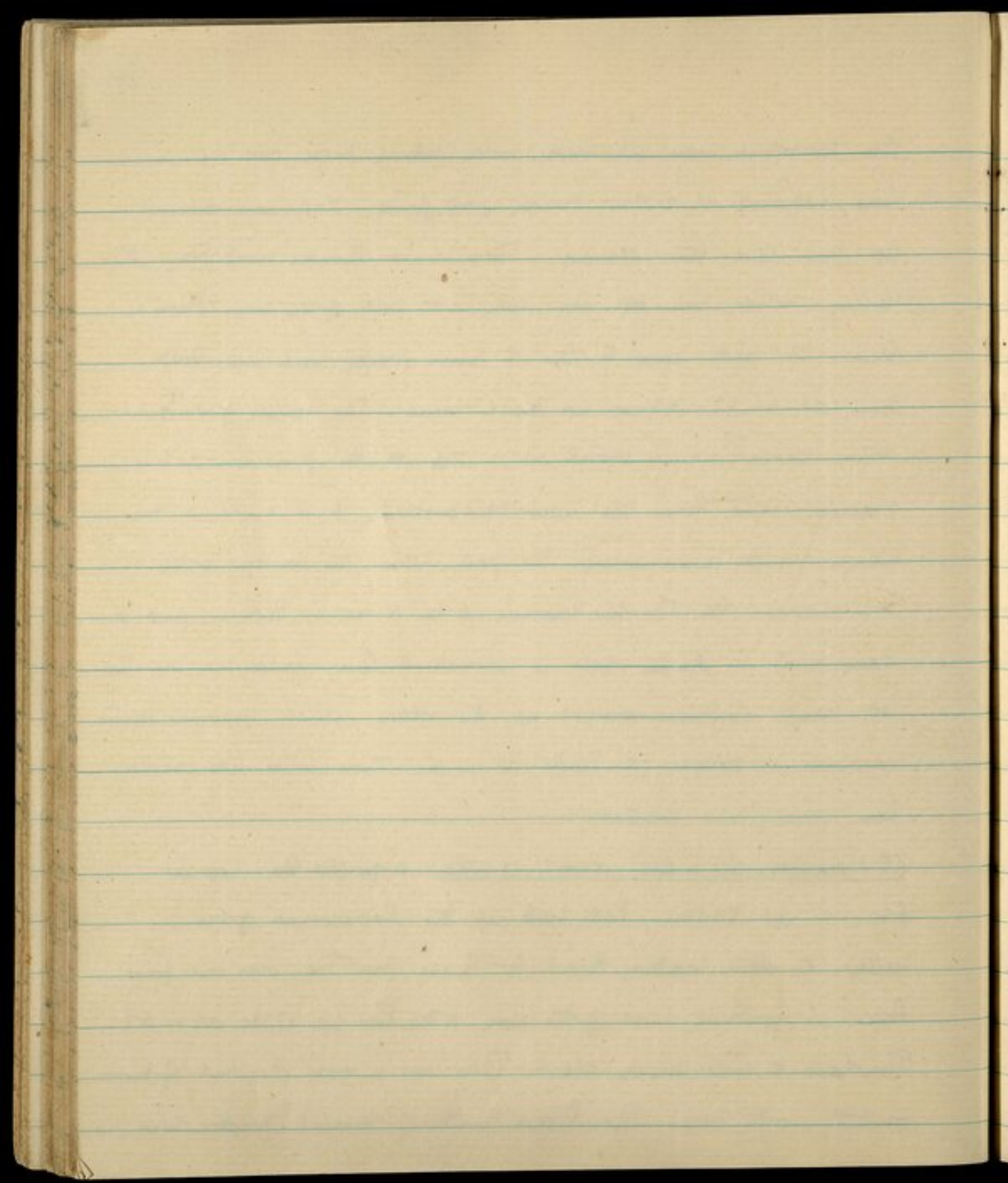
Yan Shika, and we had our authority. A few coolies started at 6.30 the rest about 8.0. Changed transport at Tro Shika, then on a very short way to Trasli Tzenyue, which we left at 1.0pm. Coolies came well, we were in Shio at 4.30, about 6.50 m. up the Loro Napko Clm from the junction. The Dzongpen is away, but a most excellent man is here in his place, I think there should be no trouble. But I can find out nothing about the road on, how long the transport expect to take from Karba to Tsona. The atmosphere today was wonderfully clear & the coloring of the bare hills magnificent. Shio is an attractive place, the Dzong is ~~in~~ consists of some neat white washed houses, on top of a large square lump of conglomerate, in a very commanding position. I have only seen it in the evening light, but it looks very pretty. Locals all very friendly. These constant changes of transport are a perfect cure.

5th November. Pendo. 15000' approx. 15 miles. A lovely day. We started off with a man just before 6.30, ~~and~~ the coolies went very well indeed to Karba, doing the 7 miles in 3 hours. At Karba we found there were no yaks, but coolies were promised to take us to Lha. They got off by 11.0 & on we went. At

London to Cheongka

Cha transport was not ready, & the Karta people took me on here, reached at 2:00pm, pretty good going. Yaks are coming up from Cha this evening. There is a terrific wind down this valley, & has been all day, very cold out of the sun. From Shio the path keeps to the R bank pretty high up, drops down at m 2½ & steep up the L bank. The valley opens out before Karta^{m?}, which stands on a cliff at the junction of two streams which form the Loro Nalpo Chu. It is quite a big village, with a monastery. The path follows the western of the two streams, the Tra Chu, keeping to the R bank. Path is good & easy & at m 8½ the river is crossed to Cha which is on the left bank. Continue straight up the valley, which becomes rather narrower & steeper to Pando at m 15. There is a little scrub here, yak dung available.

6th November. GV or GUV 15500? 12 miles. A perfect day. Left at 6:30, in at 3:30pm. Path leads up the Easternmost of two valleys, the other leading direct to Tsoma, via Tre, over one pass. Ascent is gradual most of the way to the Pen La 17330 at m 6½. The last ½ mile pretty steep. There was a fair amount of snow on the north face. Passed two herds of burchel pretty high up,



shot two snow-cock. Descent easy on South over open sere, Yaks
 & yakherd still at the head of the Sehi Chu, which is reached at
 about m 8. Here the Nago road continues to the South. The path to
 the Dza la - direct from Nago to Tsoma turns right handed &
 ascends pretty steeply to the pass at m 9½. Thence easy descent
 over rocks at first, grass later, to Gen, where yaks & herdsmen
 are still camped. On the Dza la I found the Gen. ^{??} *Amoena*

9 worms 2773

We have come all this way for, and collected a good many
 hundred heads. On sorting them out this evening, I find
 about 50-60 seeds only, the rest all being eaten by some
 blasted worm. We also got lots of another Genian 2772, which
 may be *C. unisigna*, but it is so dried up that I cannot
 say what it is. Toubou was sick this side of the Dza la, &
 I think the rest have headaches. A hard day, with two
 passes over 17000 ft. Last night the wind never dropped at
 all, but blew hard down the valley all night & all today
 too. The passes were very cold indeed. Here the wind is much
 less. The atmosphere was as clear as could be. I rather think
 there may be a few clouds forming for tomorrow, but we
 have no grouse, & the worst passes are over. There are two

1
List at Chungkan

high ones tomorrow, & then only remain the passes on the way from Tsuna to Tawang. Puiho has been warned that we will arrive on 8th & I hope will have transport ready for the 9th without our having to wait.

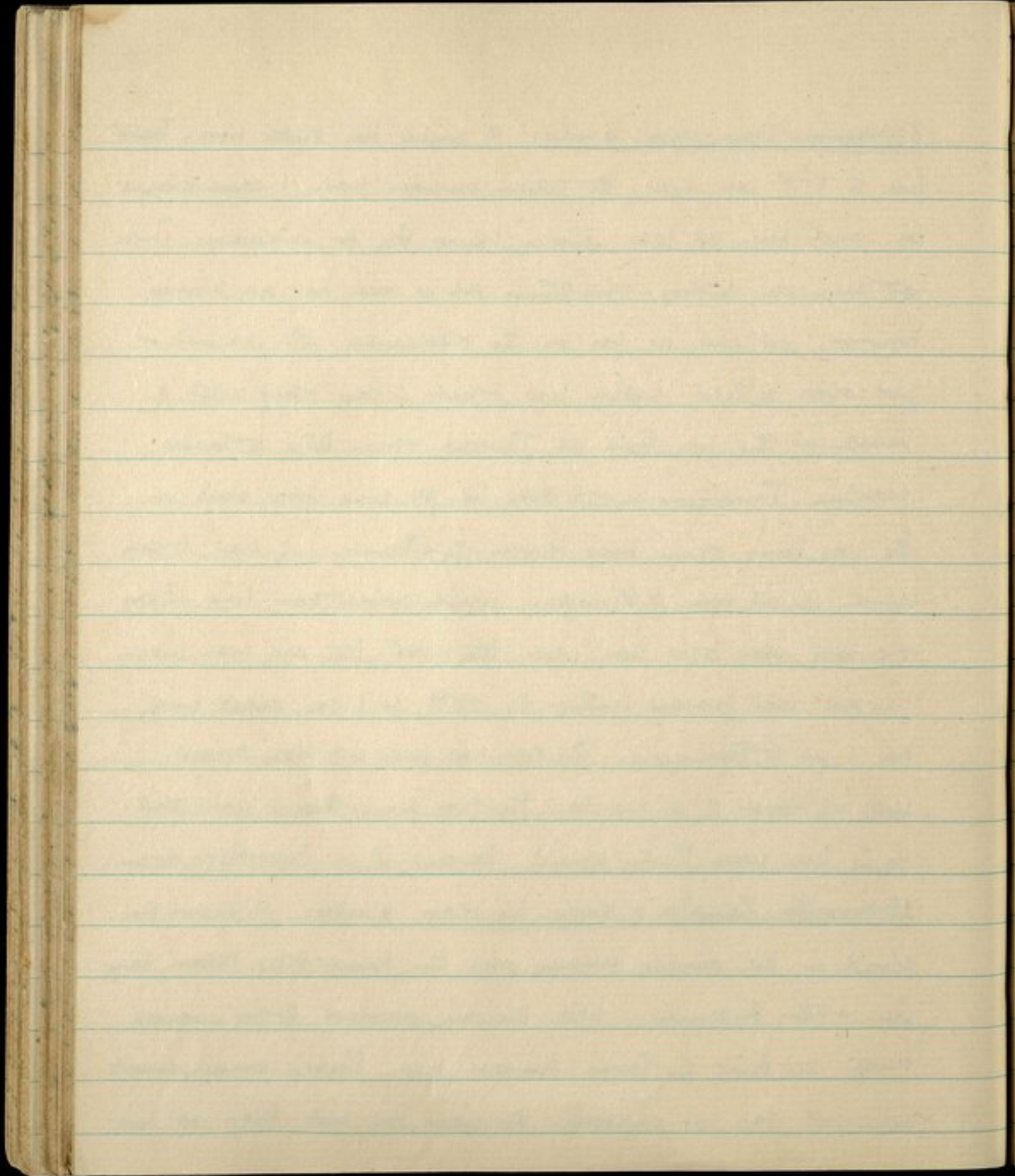
7th November. Thang 14000' 13 miles. Another perfect day, but a few clouds beginning to come up this evening. Left at 6.30, in at 2.0 pm. Yaks went very well indeed. Temp. last night down to 8°F., but wind was very slight all night. Instead of going over the Tin La we went straight down the valley to in 1½ where we turned up the vale leading to the ^{Ra de de} Pala La, met the Tin La road at in 4. The N face of the Tin La was very thick with snow. Collected a few seeds of *gentian* *g. marginata* sp. no. 2006, that little beauty first seen on the Tahan La. Also a few other seeds. Shot 1 snowcock skinned it, & two partridges in perfect plumage skinned one of them. Tiring but not too much in the morning. I think we'll have to halt a day somewhere, though I feel as fit as a flea & have walked everywhere since 4th October. Pala La almost free of snow, only a little on NW side. Lake nearly frozen over this side of pass. A few blackbirds seen as usual here.

Lectures at Chungking

Lectures at Chungking

8th November. Tsoma. 14500. 9 miles. A perfect day, little wind. Temp fell to 50° F last night, the coldest we have had. I came straight on ago here at 10³⁰, a very short day for a change. Pinho had been here 2 days, & he thinks all is well for our leaving tomorrow, but only as far as the Kechen ha. Kit arrived in good order by 11³⁰. Hudson had to halt 2 days & had a lot of trouble on the way down at Tawang & from there to Salween, reaching Trashinging on 23rd Oct. He got some good seeds on the way down, & some more flowers of interest. I had to catch on a second rate of Dzongpen, which wasted some time. Every one very glad to get here, where they feel they are near home. No post had reached Hudson by 28th, so I can expect none till I get to Trashinging. The last post has not been traced yet, of course if it will be. My post from Chayul was still lying here when Pinho arrived. He sent it on two days ago.

9th November. Camp N of Kechen ha 15000' 9 miles. A perfect day, clouds in the evening rushing over the passes to the Myam Jang Am & then dispersing. With the very greatest of joy, we all shook the dust of Tsoma off our feet. Pinho's arrangements were good, but as expected, the yaks did not turn up till



8.0. However we were off at 9.0, one man to the loads, 3
 Salween men with flasks & one local wash out with the table
 etc. A broken down old pony was provided as riding pony,
 but as I don't want to ride, it was made into a very
 necessary load carrier. The whole plain was covered over
 with mist all night, in the rising sun the mist was very
 pretty, gradually dispersing by 7.0 am. It was cold, but no
 wind. Today the wind got up at 10.0, held all day, dying
 down about now - 4.30 pm. The Kyn Tso was a lovely sight
 with the Donyan Range away beyond, a beautiful blue green,
 showing up well with the snow of the mountains & the
 brilliant blue Tibetan winter sky. We reached camp at 2.0.
 I believe with yaks in camp over night we could easily have
 made Shao. But we are out of Tsoma, & there only remains the
 march Tawang - Nuktur, after which I don't much care
 what happens. Ludlow has a most exaggerated idea of
 my whisky consumption, having sent me a bottle from T'gong.
 My present one should last me to Dwanjiri, but he has
 kept even another at the Dzong. He also promises half a
 dozen beer to be waiting for me there - a most kind thought.

Siobhán at Chongka

He did well in the flower seed line on the way down, got some quite good stuff. I only got *Cent. ornata* today. Everyone is quite light hearted today, having quitted Tsona, a place we all rather dread. If Tawang is negotiated as well as Tsona was, our troubles will be over, though the Drukpa-Sakden march is a very long one with a stiff climb. I have walked everywhere since I left Lushow, and will continue to do so till we reach Pungzyung I think. After that ponies are thrust on us, besides it will be very hot after these cold days, so pony will be very acceptable.

10th November. Shao 14000? 8 miles. Last night the wind was very strong indeed all through the night, but the temp only went down to 13°F. A strong wind all day today, which was cloudy with sun. Here the clouds were low on the hills & perhaps a little fresh snow will be on the Bum La. On the Keechenha I got some *Prim. tenulosa* ²⁸²¹ seed, a further down some *Primula* ²⁸²⁰ *saffirina* (or perhaps *J. gmeliniana*?). We also got a fair ²⁸²³ collection of *Cent. ornata* from just above here. It appeared to have a paler bright Cambridge blue flower. It is positively warm down here compared to what we have been coming

215 Luchas to Satsaloi

Long 507 kay kapouls & D. Sherriffe
The plants was all shrouded up

"I think the rocky cliff below Satsaloi

& Chempkar - really the Shwanganis Pass.
was upay further exploration & track

think they would hold the Promises
equally as interesting as before, Sherriffe

Meekam - The, going to more than 7000

through. Puitso has great hope of our getting away well from Tawang. If we do, he deserves a medal. Lushan got off at 11:30 and had four changes of transport. We hope we may only have one. The Kechen Tso was not really pretty today. The sky was not the same blue as yesterday, everything had a harsh bleak look about it, air was damnably cold coming down from the Kechen ha. There remain now only the Bum ha, the Nyngsang ha, Nyngsang ha & Chiling ha, before we get down to Trachiqong - one pass per days march.

11th November. Tawang 10500' 16 miles. Clear in the morning as far as the Dilakating north side. Then thick mist all the way here. Left at 6:30 am, hit ourselves in at 4:30 pm. A long day but interesting. A small gentian collected in the Bum ha, then a rhododendron, a primula like *Sappunina* on the rocks, I don't know what it will be. Some write *Hec. horridula* & *Cent.*
Elmesei in the Dilakating, with some *Prim. Cambeliana*. Lower down in a swamp *Prim. Igmediana* (?), another rhododendron, a white prim. *Obligia*, a little of a marsh primula 6" scape, two more gentians, two more rhododendrons & a *Suerbia*. A good haul. All seems well here for tomorrow, but one never knows at

2916. *Podocarpus Duvangei*

From Malakalug La. 2507 P. jugendrain 2540. Purata 2841. Sambelani sp. 2839. (70)

Tawang. We were only in a short time before dark. Three men - 2 lamas. called & promised that coolies would be here in the early morning. A busy evening sorting seeds. Very cloudy & windy, but no rain - pleasantly warm after high camps.

12th November. Muktu. 8000(?) 10 miles. It rained most of the night and all this morning till 10 am, after which it was fine till 4.0 pm. Clouds down all day, & raining again this evening. Puito did wonders to get everything off by 8.0 am. He had considerable difficulty. At the first change, I saw the Dzongpa's "budli" who promised there would be no further changing. I was very grateful, & gave him odd presents & money. We insisted on his two head men coming with us. It was lucky we did, as actually we changed transport 4 or 5 times more. But there was never any delay, & we arrived, much to my astonishment, at Muktu at 1.30 pm. I saw nothing of interest of the way down: got a campanula on the way up, & then went out here to look for rhododendrons. This must be a wonderful place for them. We got capsules, but no ripe seed, of *Rhod. thasdotum*, seed of a *R. maddenii*, which is everywhere, the commonest shrub near here. Also seed of *Junat*

Lectures at Deiwangeri

From Milakabong La & Makhu. Secoy Rh naddenii 2833, proflera 2835,
Edgeworth 2836,

Plant from Rh naddenii 2837 2843

Cornus Caputch 2839.

202

1. This must be another Nadenii series Rhod, a rather smaller flowered rhod, with thick tomentum on the under surface of the leaf. A tree was pointed out, covered with fruit, said to be yellow or white, called Naupa. If the description is correct, it must be a most beautiful sight in full bloom.

There will almost certainly be fresh snow on the Nyngsang La tomorrow with all this rain here. I hope it clears up by tomorrow, as the Nyngsang La is 14000ft. I caught a plumose Tawany last night on arrival, the first ~~only~~ time I have really seen it, as this morning we were again in thick mist.

The locals are more than usually inquisitive here, but politely so: they merely stand & stare, & eventually any of us does is of interest to them. They promise to turn up early in the morning. It is very pleasantly warm here now, & no leeches as on our former visit in 1934.

13th November. Salden. 15m. 9500' Rained most of the night. Clouds all day right down to the valley beds. Left at 6:30, in at 3:45 pm. Corbin left 6:0 am, in at 4:30 pm. I took some more Rhod. naddenii from the bridge 1 1/2 m this side of Makhu from a bush I saw in flower in 1934. No seed yet ripe. On the way up to the Nyngsang

Journal Dwangire

2850
2849

Nyungang la. 2859. Rh. cancelligum 2845, fulgam 2846, lamsonii 2847 (203)
Rh. 2848, Campanula 2851

la. we got another 3 or 4 rhododendrons → several were between the N pass & the S one, some epiphytic shrubs down the side. No flowers seen. I started to ride, but gave up after one hour as the pony could not carry me & barely go on itself. Sanden feels pretty cool, but not nearly so cool as in Oct. 1954. On the way up the north side, we saw a lot of Prim. Bristles, but ~~was~~ just small buds very densely covered with thick yellowish farina. Puiho has done well to get us here in 5 days from Tsuna, and with no later arrival than 4:30 at Tawang & here. These are both long marches, with a lot of climbing in them.

14th November. Halt. A beautiful morning, clouds coming up by midday, much low by the evening. Spent the day drying yesterday's

Rhododendrum seeds, ones which out a short time, getting one small

R. camelliaeflorum 2853, 2852

epiphytic rhod (2853), the flower of which we collected in March, & a

Dedussandra Kingianum 2857

Dracoccephalum 2854 growing on a lily oak. I am sending A. Sheikh

& Tenduh from direct with all kit to Runggyung, while Puiho,

Tsuypan & I go round by Mera, each reaching Runggyung on the

second day. Most of the rhododendrum seed taken from Puiho

appeared to be ripe enough to take. Rhod rhabdotum capsules are

large things, but there is no hope of ripening for at least a

Lud. at Dewangiri

Lud. at Dewangiri

mouth. The Rhod. Soc's Rhododendron both says "capsule unknown" but K. W. has collected seed before now. However I have taken two specimens (each duplicate) of the capsules.

15th November. Mera. 13000(?) 10m(?) Rained a good deal in the night, over cloudy all day. I left at 7.0 before coolies had turned up.

Collected a few Rhododendrons on the way up to the Myuhsaung ha. R. calophyllum 2861, 2862
R. Campylocarpum 2860 Also another specimen of 1173 P. Bolton from about 13500. R. 2859, R. (Siam) 2858, micranthum 2857, Rhod 2856, 2855 Gaul.

Ancient was still in flower, one ripe seed was seen. There was a fair amount of old snow in patches on the Myuhsaung ha, on the path on the Mera side. Puiho & Tsangpen came with me, the kit being sent down direct to Runggyung. We got in at 3.0 pm. Fine all the way, but touch mist from 13000' on the pass. Puiho cooked my dinner - Oxo & curry, perfectly well, & I stayed in the Tsangpen's house there.

16th November. Runggyung 14 m.? 4500? Left at 6.30 in at 2.30 pm, over the Choling ha. White 2854 & Choling ha Fine all day, but cloudy & some rain & snow on the hills, no hail. P. White P. P. White Collected specimens of 1166 & 1167 again, both for dry specimens & to send home alive. I find Teuduh & Ahmad Shalin had a great deal of trouble with coolies. None turned up at Sahida & Teuduh only got off at Duda.

Lead at Divanqeri

Lead at Divanqeri

Lead at Divanqeri

He had to spend the night at Takhti, while A. Sushin got on here by himself, which was good work. The wife of Salidan was drunk, & just refused to carry loads, worse than Tawang or Nukhur. A veterinary doc. arrived at camp, one of the Maharajas educated men. He was quite amusing & entertaining. I rather sympathize with him - as he says what is the good of all his education - he gets no pay, is not allowed to take in the Statesman & has no vet. work to do. It is rather a problem, whether to educate any of these people. I would say definitely no, unless there is plenty of work for them to do.

It feels very hot indeed down here. I had a bath - much needed - on arrival. Tomorrow we look forward to getting a mail at Trashigang. ^{from Rungzyung, Janri Chu - Munu, Ceresoid, 2865, Suenchi, Patome 2867}

17th Nov. Trashigang Sm.? Fine but cloudy, pretty hot till we reached here where there is always a wind. Found two mails here. ^{from Trimo sent by Rh. Tsarenie 2894, Rh. Wallechi 2895, Rh. Bailope 2896, Rh. arboreum 2893}

18th Nov. Halt. ^{from Trimo, sent by Rh pendulum 2898}

19th Nov. Halt. It seems that air is not too well here, & I have just been given an account of various intrigues going on. One of the Bompens servants ran off to Buntkang about

Lead. at Orwangeru

Lead. at Orwangeru

Lead. at Orwangeru

two months ago. He got word of the Naharani (Padma Dechen) some time & told her all sorts of lies about the Dzonpen & others. She seems to have sent secretly to Trashiying & told all the Dzonpen's servants to come to Buntchang - without a word to the Dzonpen himself. I am told the Naharaja does not believe all the stories, but the Dzonpen is obviously frightened that he may be persuaded to. Yusu Clazi told me all this secretly & asked me to speak to Togyé about it. Yusu too is not happy about his post; although promoted to (Betung?) he finds there is a lot of intrigue there, again caused by the Naharani. She feels his position insecure. However he says he does not mind that, but is worried about the Dzonpen.

20th Nov. Yun pu ka 7000? 40 miles. Fine, but below, but cold

on the pass, which was in the clouds. Collected bulbs of Lil.

Androsace gigantea from Chukar, Pong Chu: 2889 P. aburui 2899 P. bellidiflora 2901
giganteum. P. hillbaldii 2902. *meibomia* 2905

21st Nov. Khoma nagri. 4000? 13 miles. Fine but not too hot.

Dochilus porrectus 2872 *Sida coronaria* 2893 *Urtica oppositifolia* 2874

Got two orchids & a fine tree in bloom; also bulbs of Lil

Wallichii on the way down from the pass. Saw no birds, but a few butterflies.

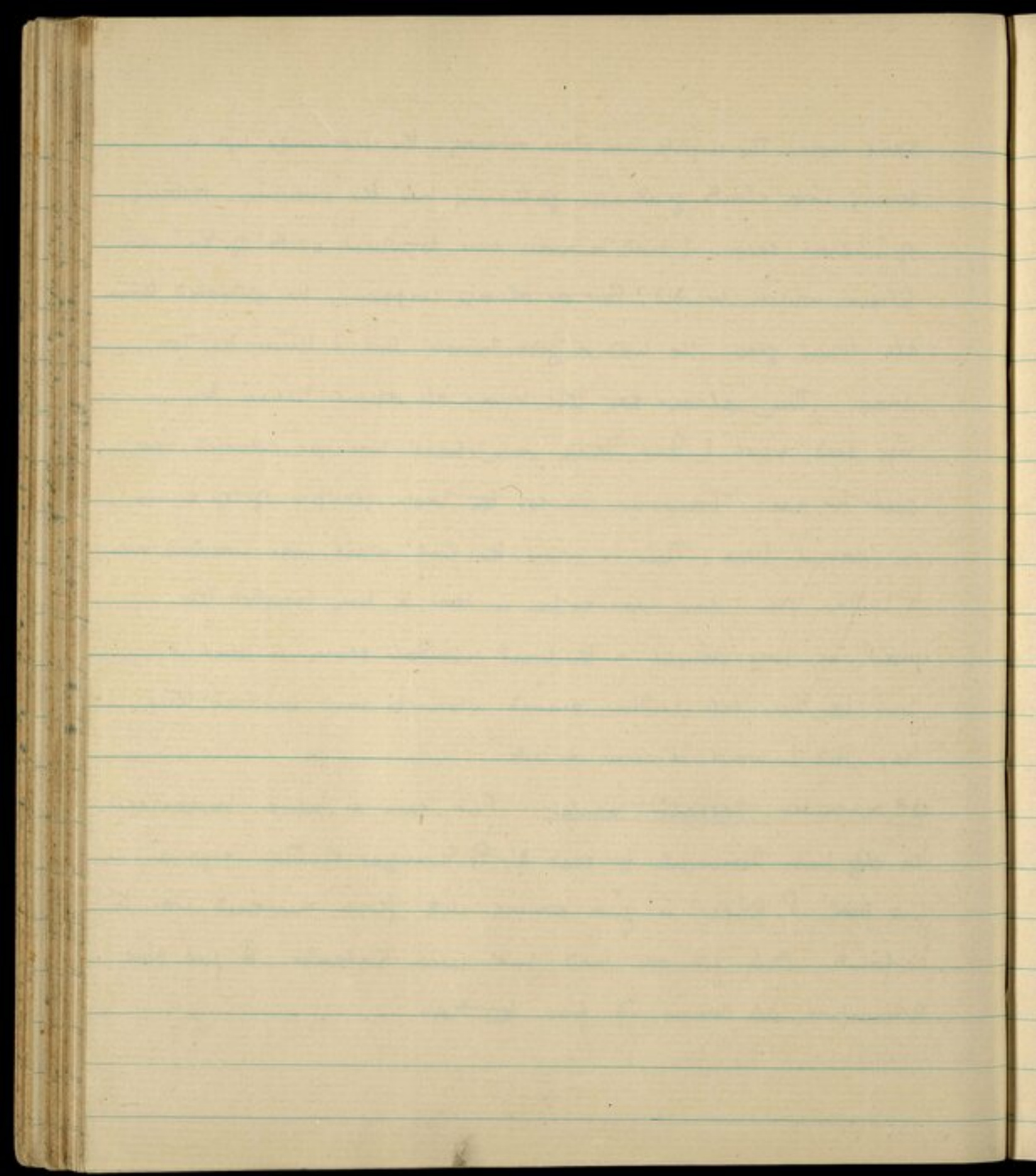
22nd November. Chungkar 6500? 10m. Fine. Every day is much the

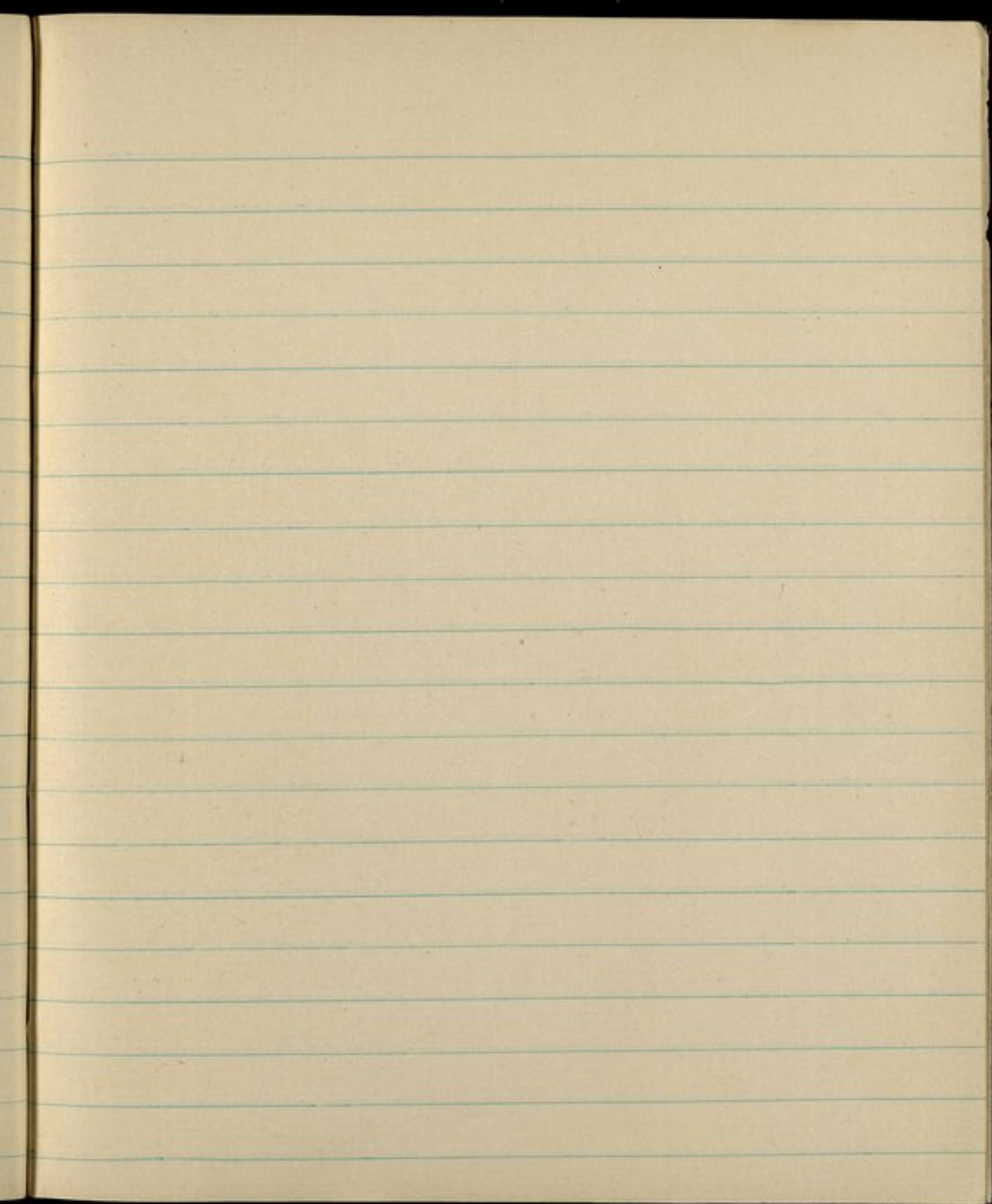
End of Orwanger

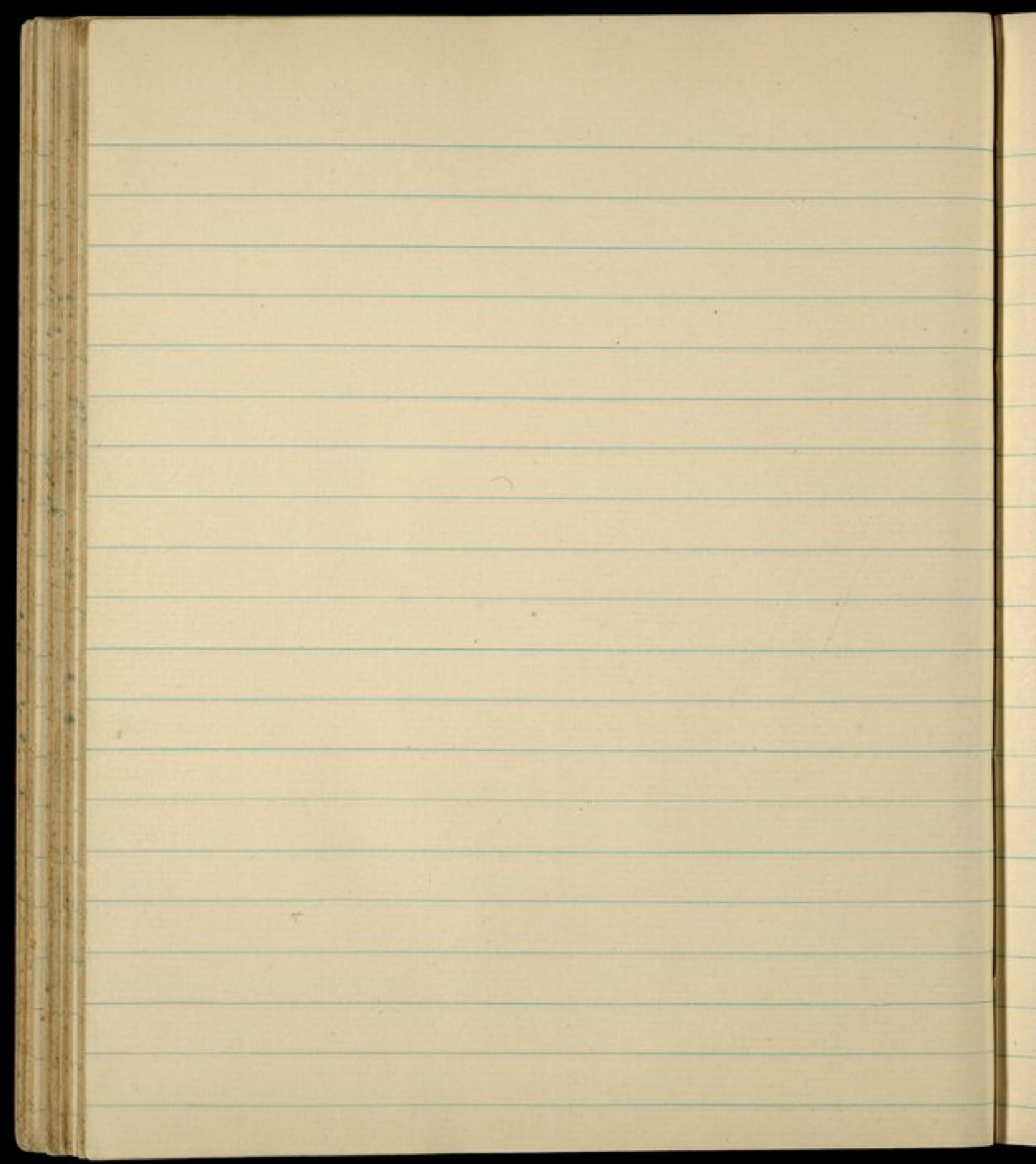
same now. The nights are clear starry, the mornings hot & sunny with clouds gradually gathering till the evening. Nothing of interest seen. I had a man here to collect seeds of *Primula filipes*, which he did. But as always happens, he collected them all when green. He had a good bunch, but I threw them away. They always say they know all about taking dry ripe seed, yet I don't think any local has yet collected ripe seed for us. Tomorrow we see the last glimpse of the snow on leaving here. This is where the 'lost' mail was handed over to Ludlow. All I can hear so far is that a boy handed the mail in here alright - the local anecdotal story is that it just lay here till Ludlow arrived when he said he had this bag, did he want it now or no.

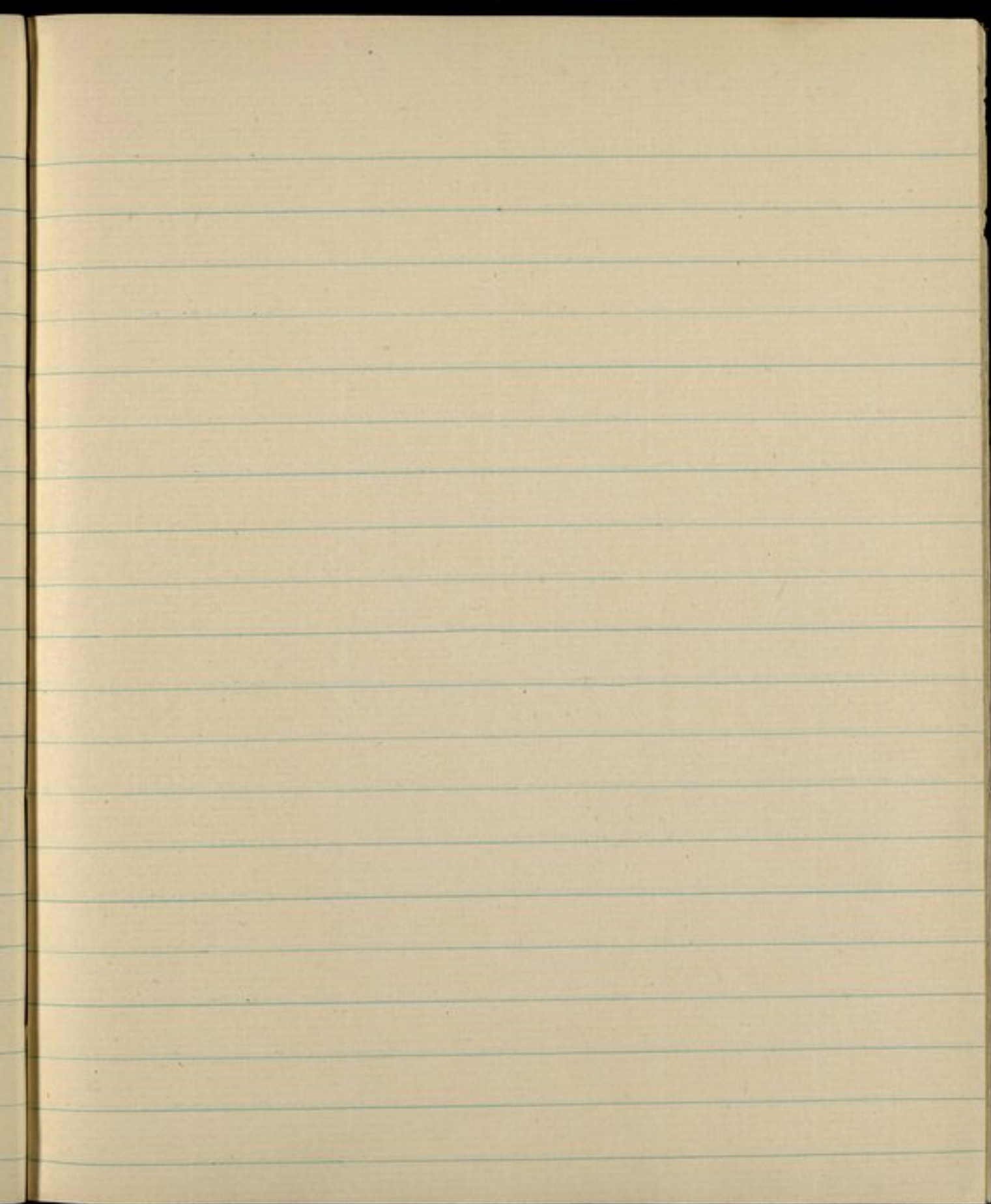
23rd November. Satsalor. Wundin. Fine, same as before. We searched the cliff pretty thoroughly for seed of *P. Sherriffii* Ludlowi & got a good deal. *P. filipes* is just coming into flower, no seed was to be found. Only got one bird just near Satsalor. A good deal of transport, all coming up from the Tala.

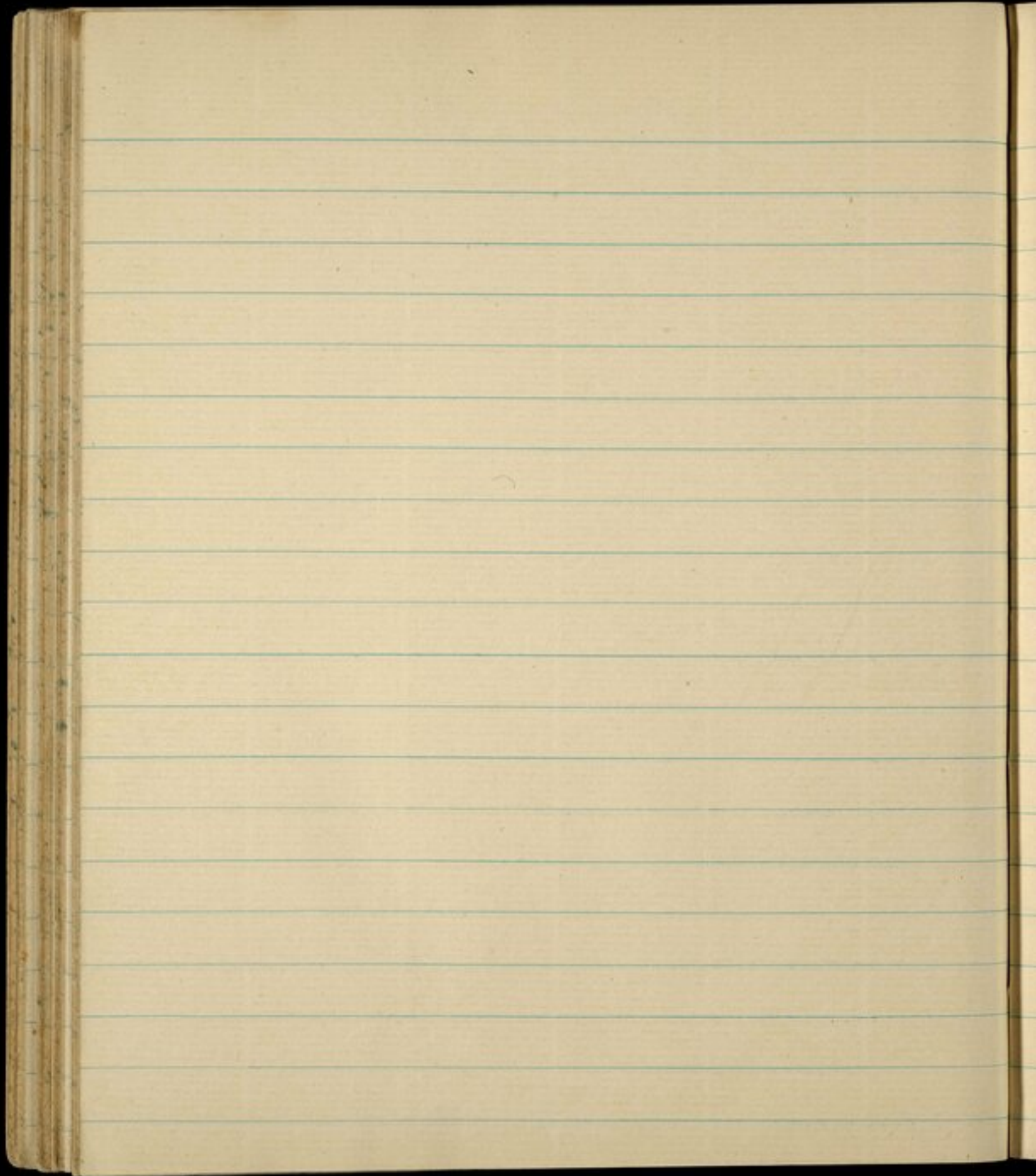
at Dinsangon until 27th Nov. for Rengija.

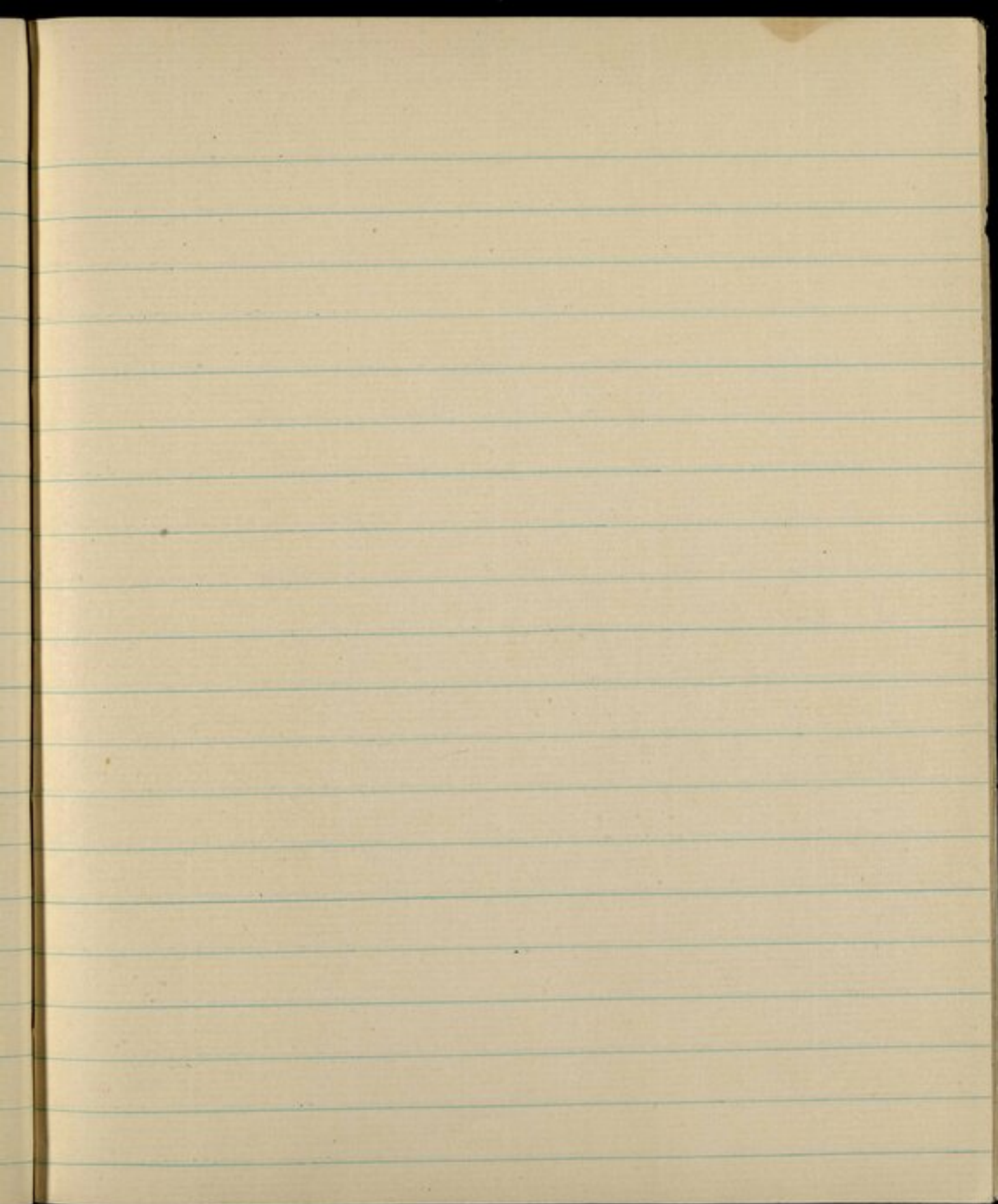


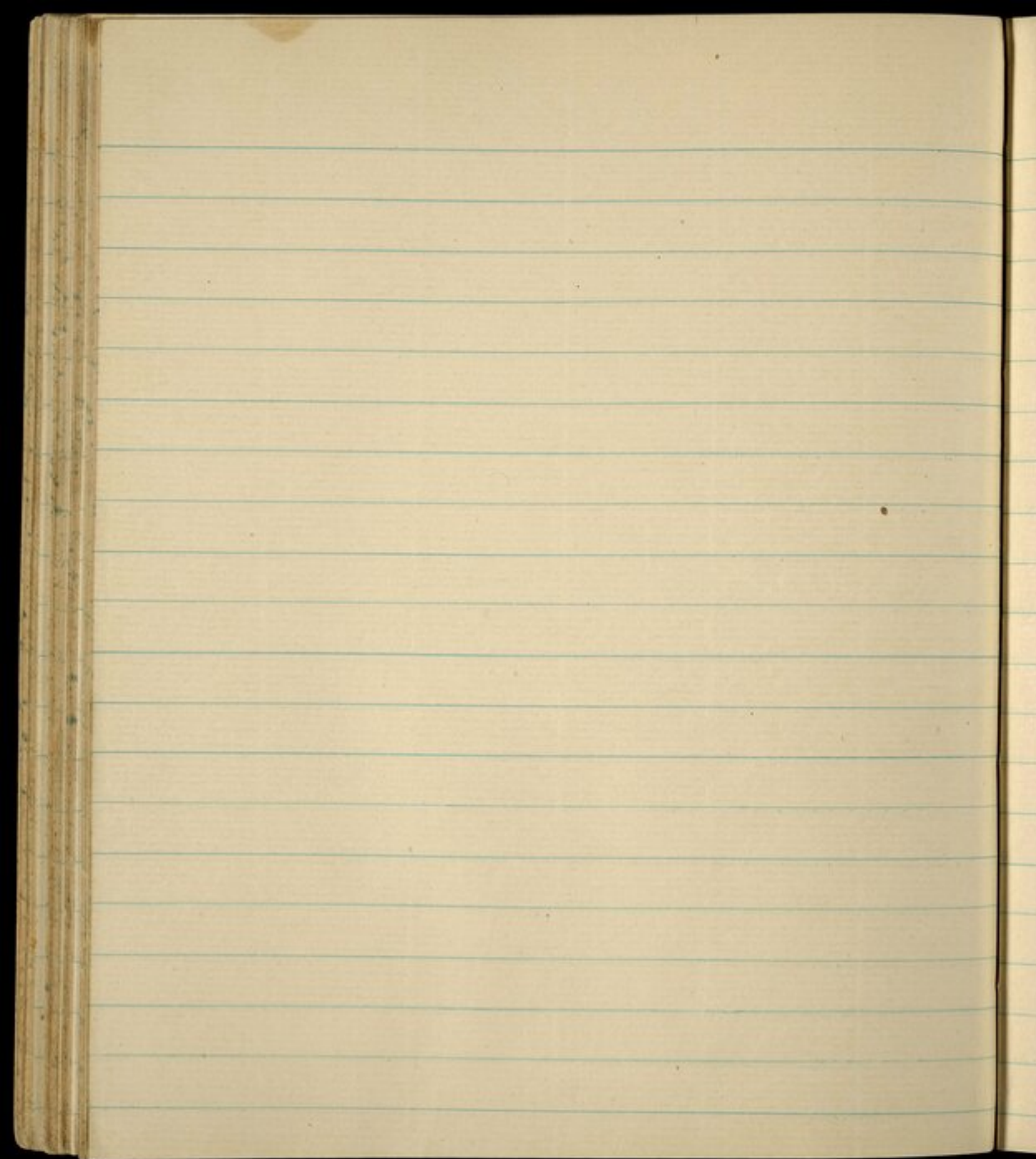


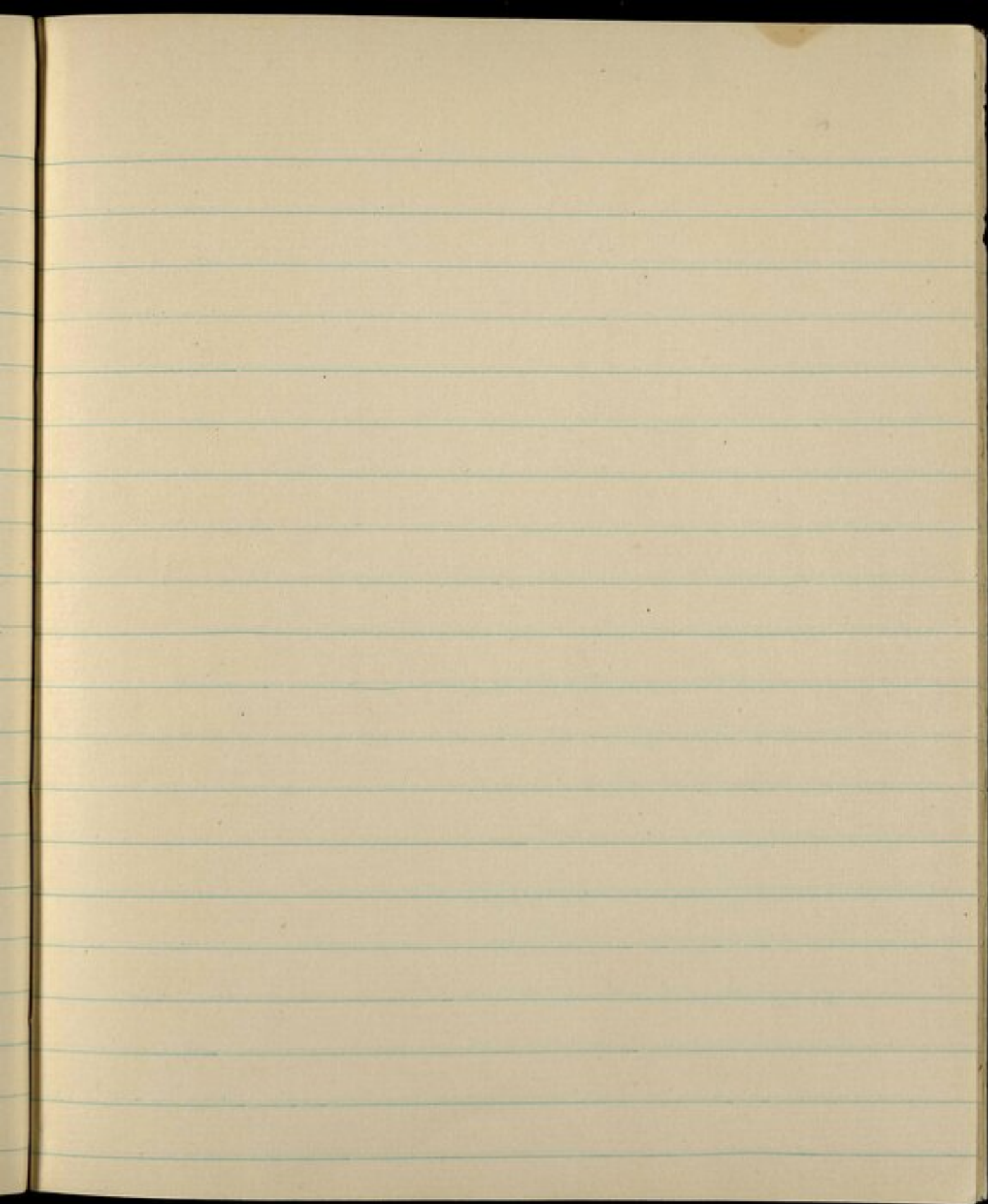


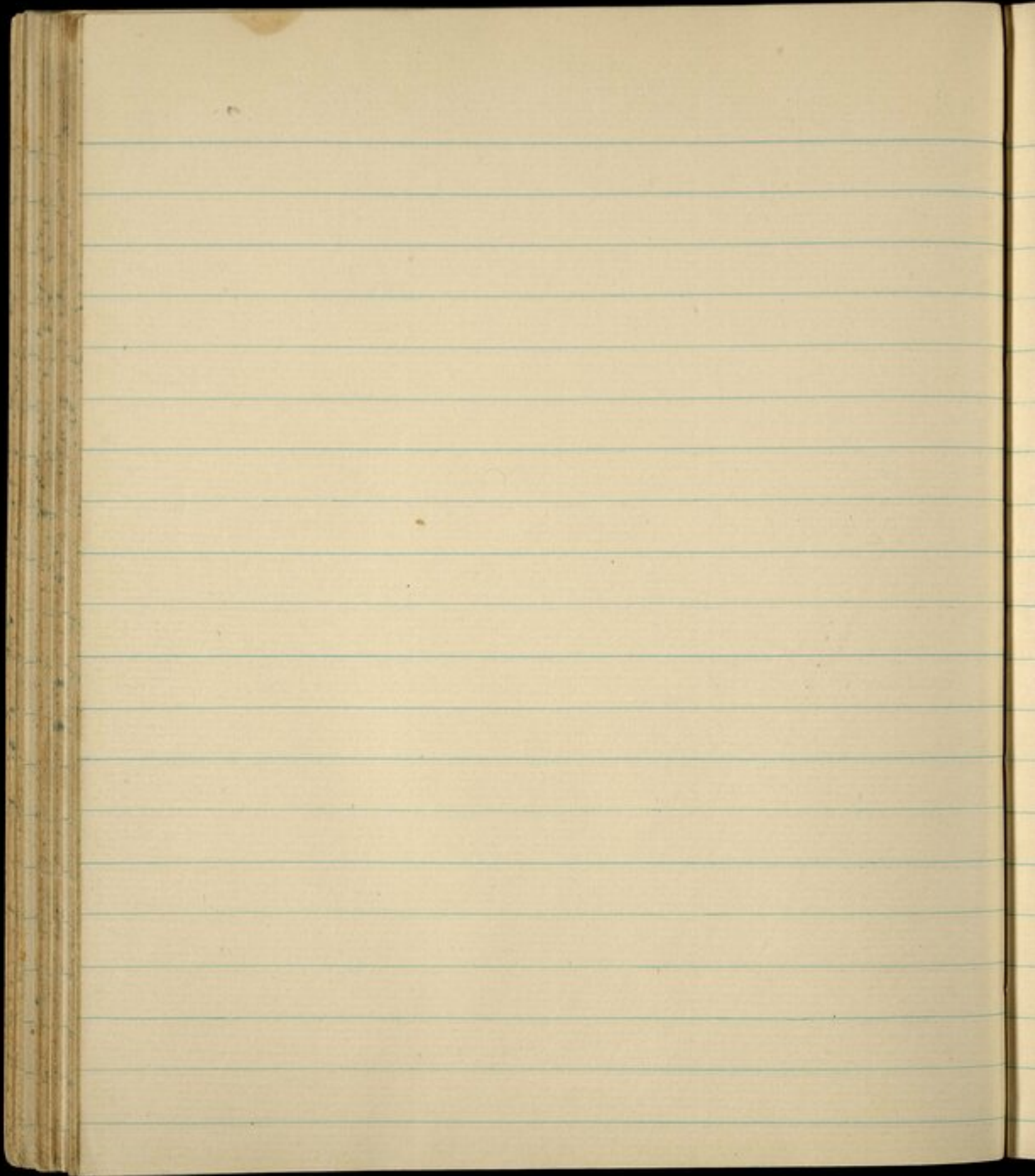


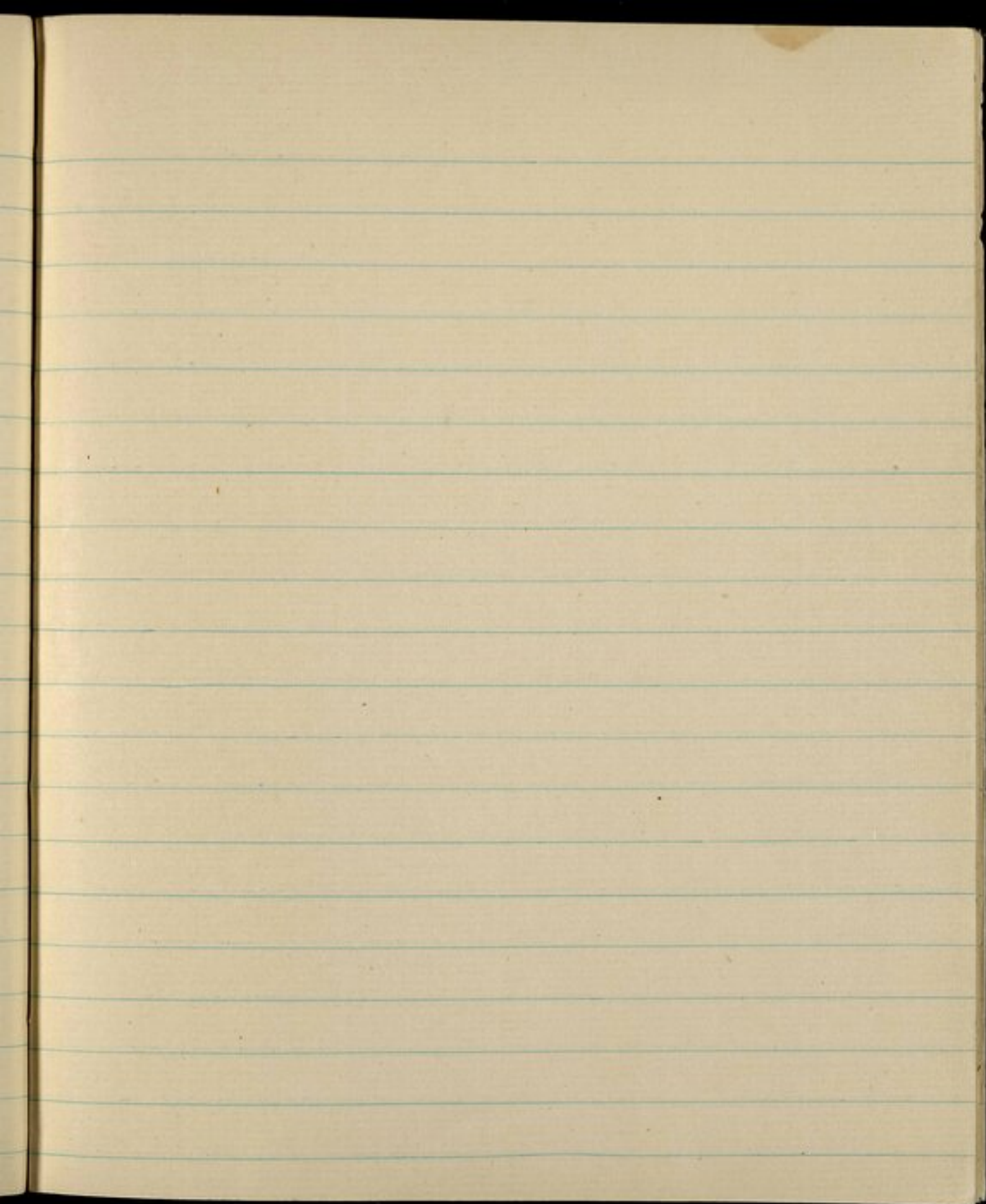


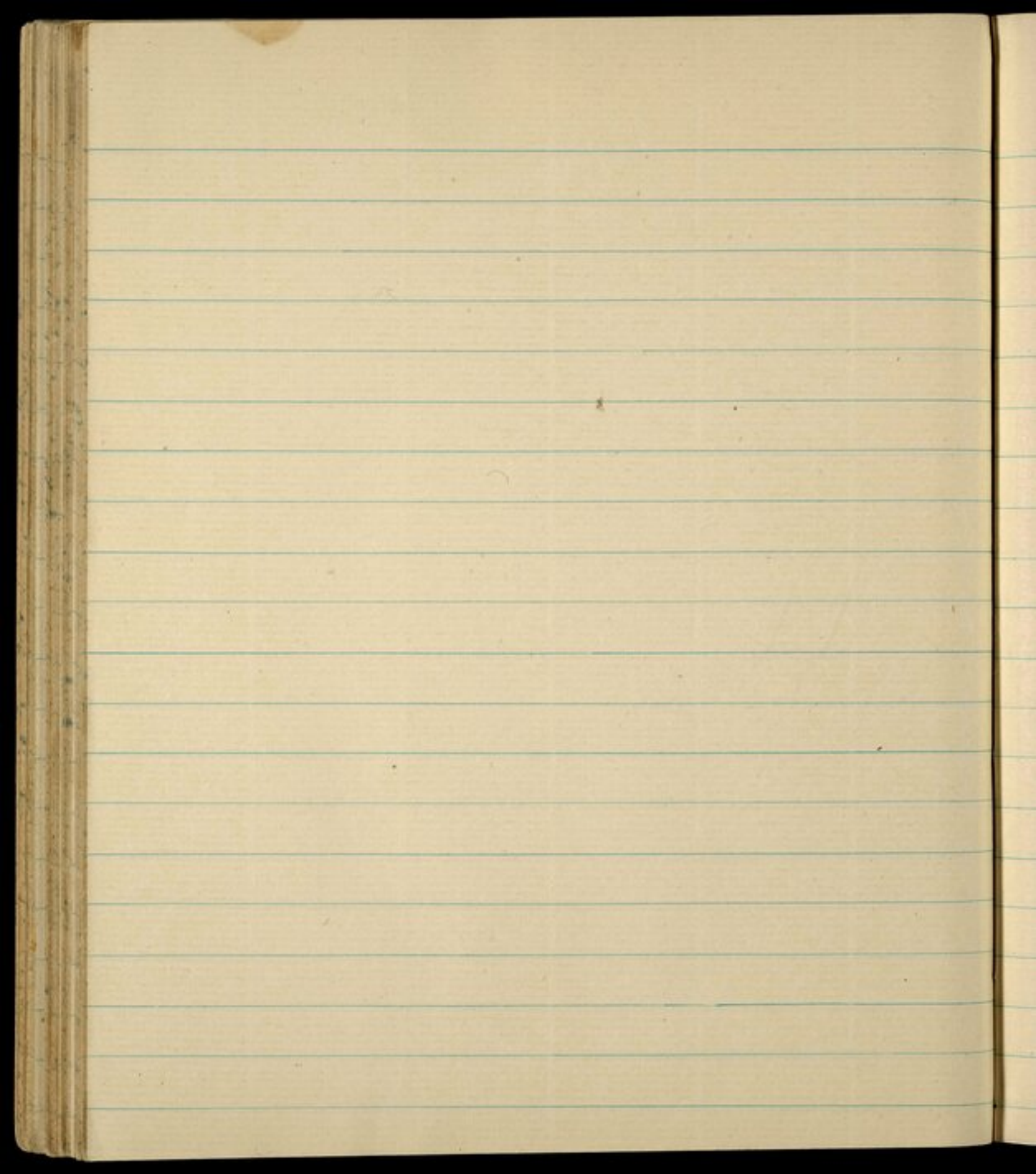


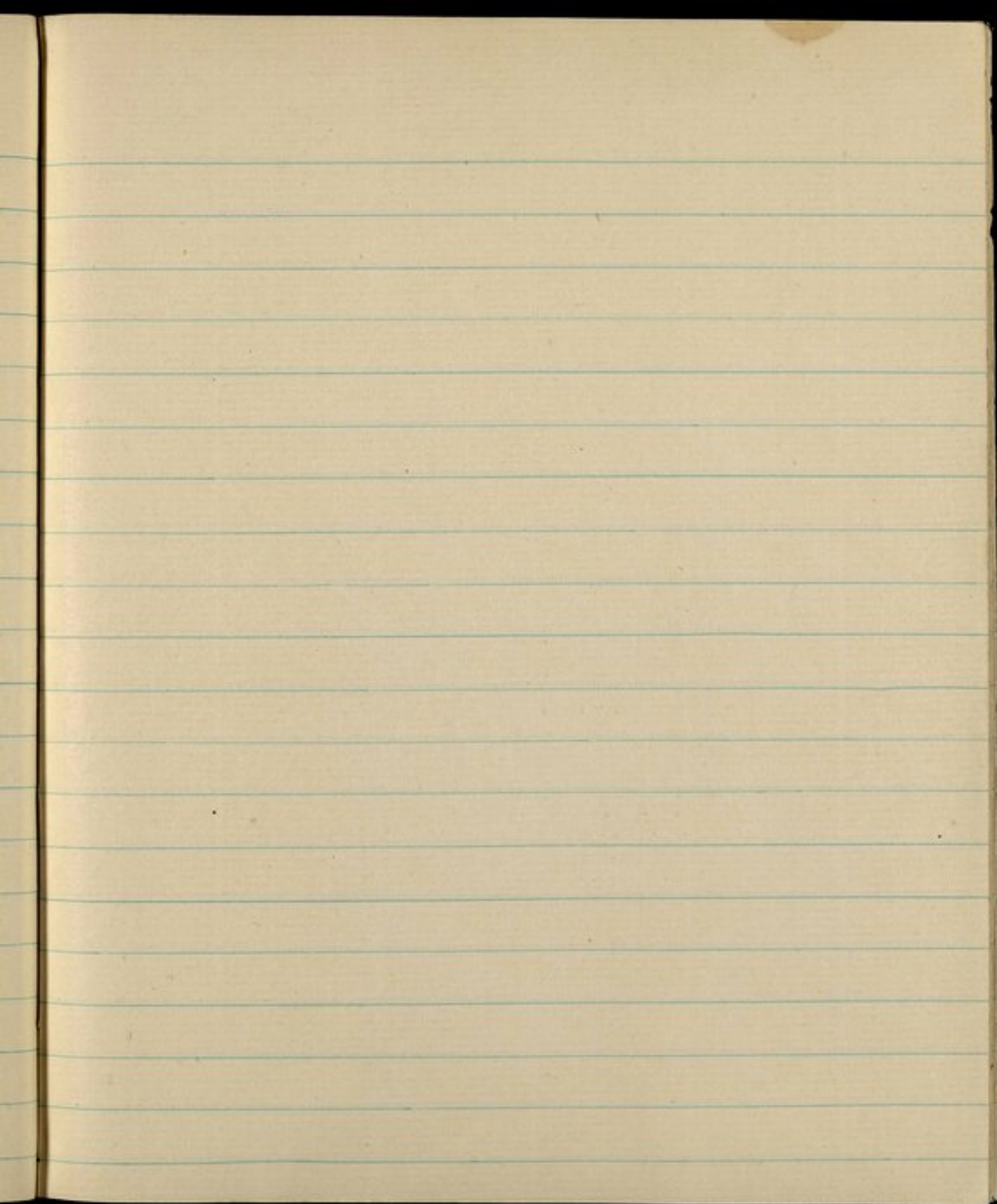


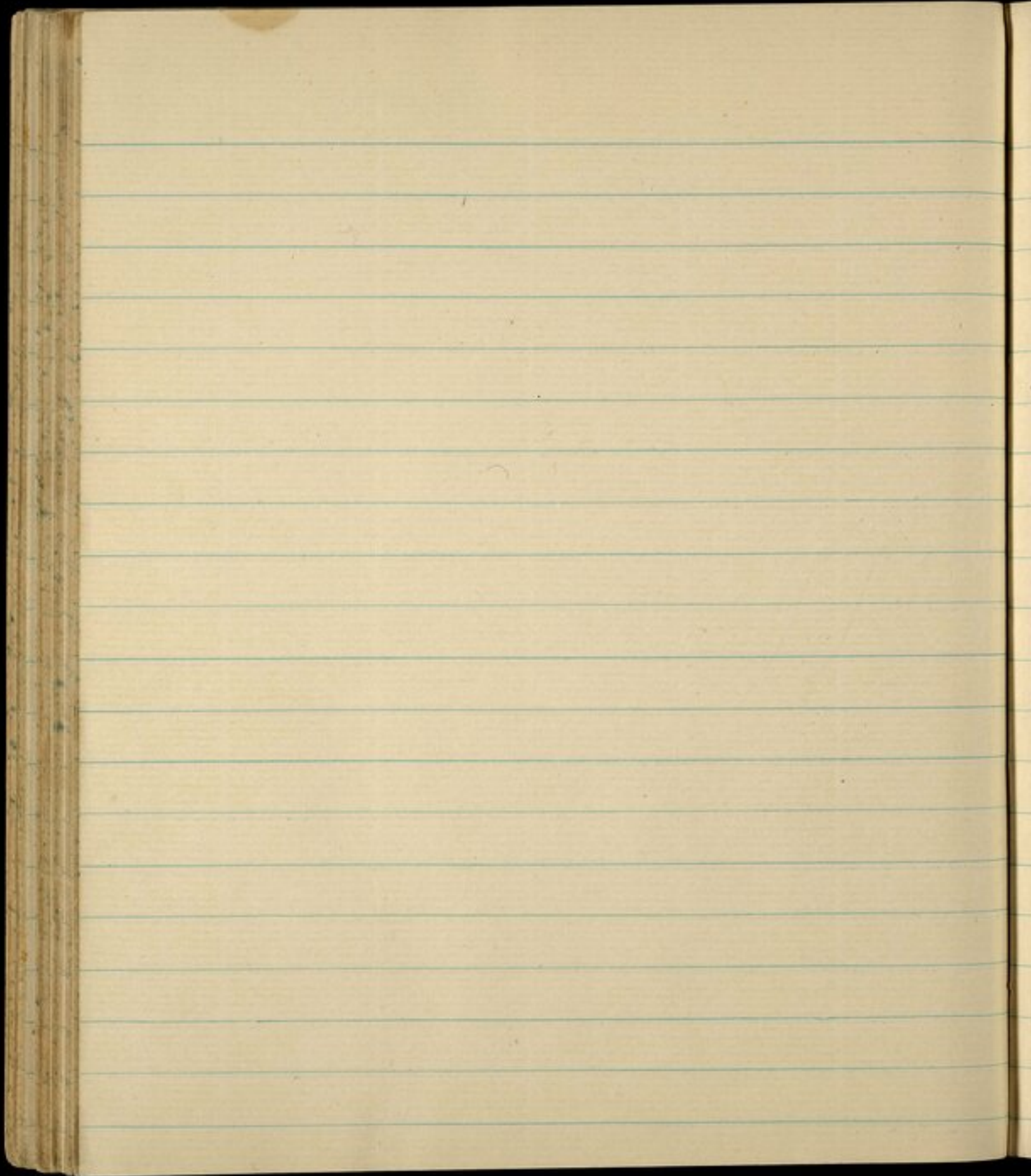


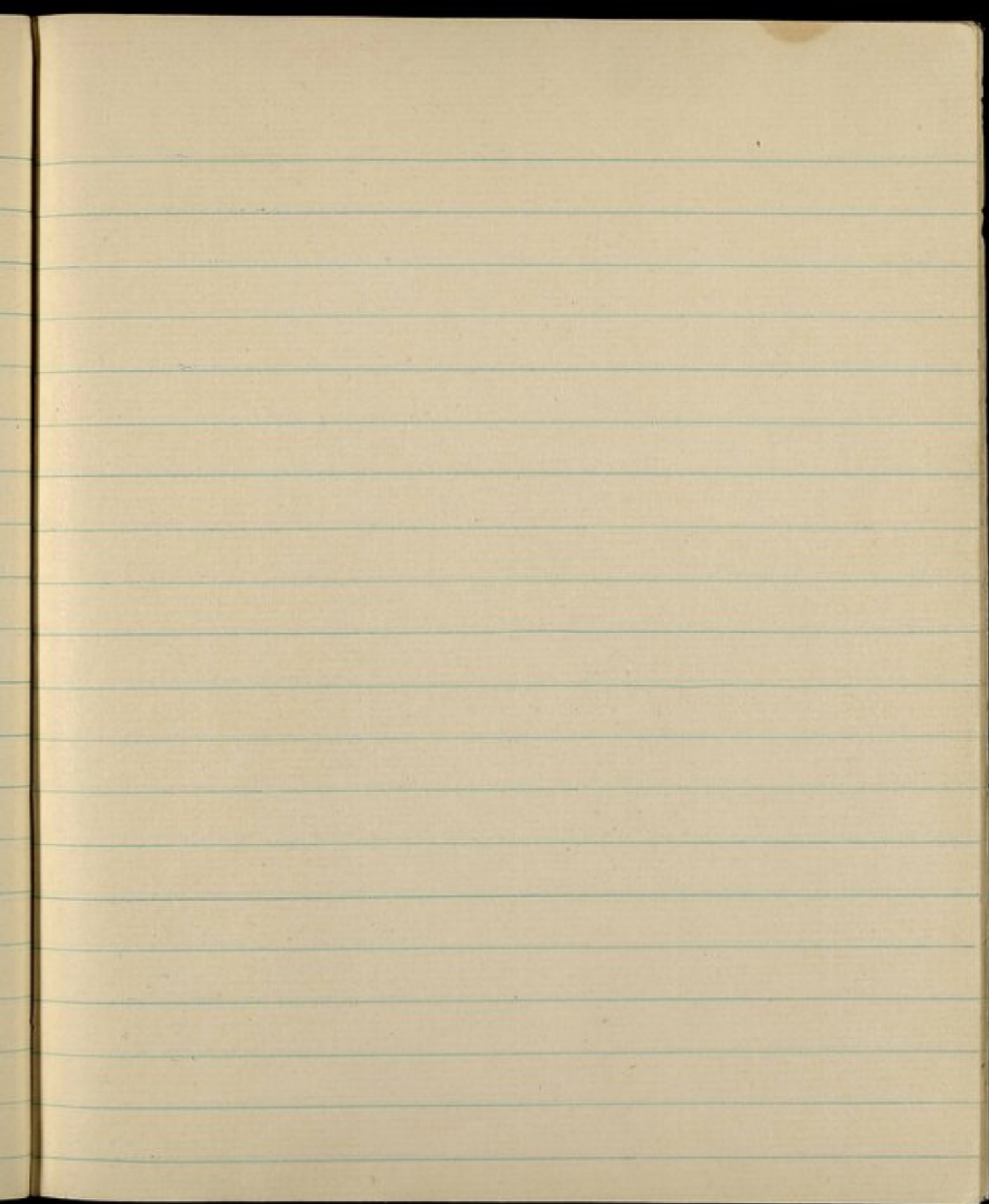


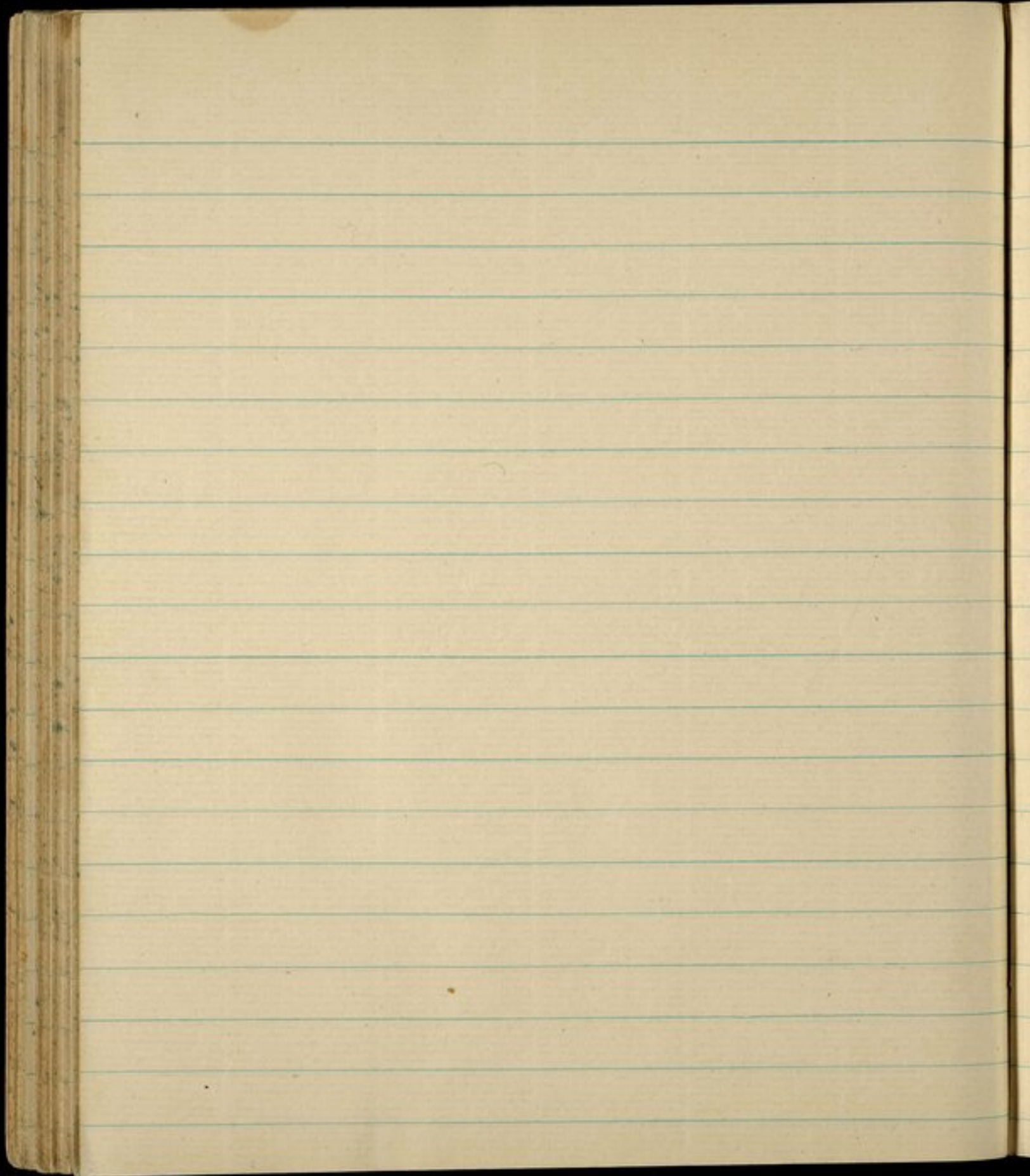


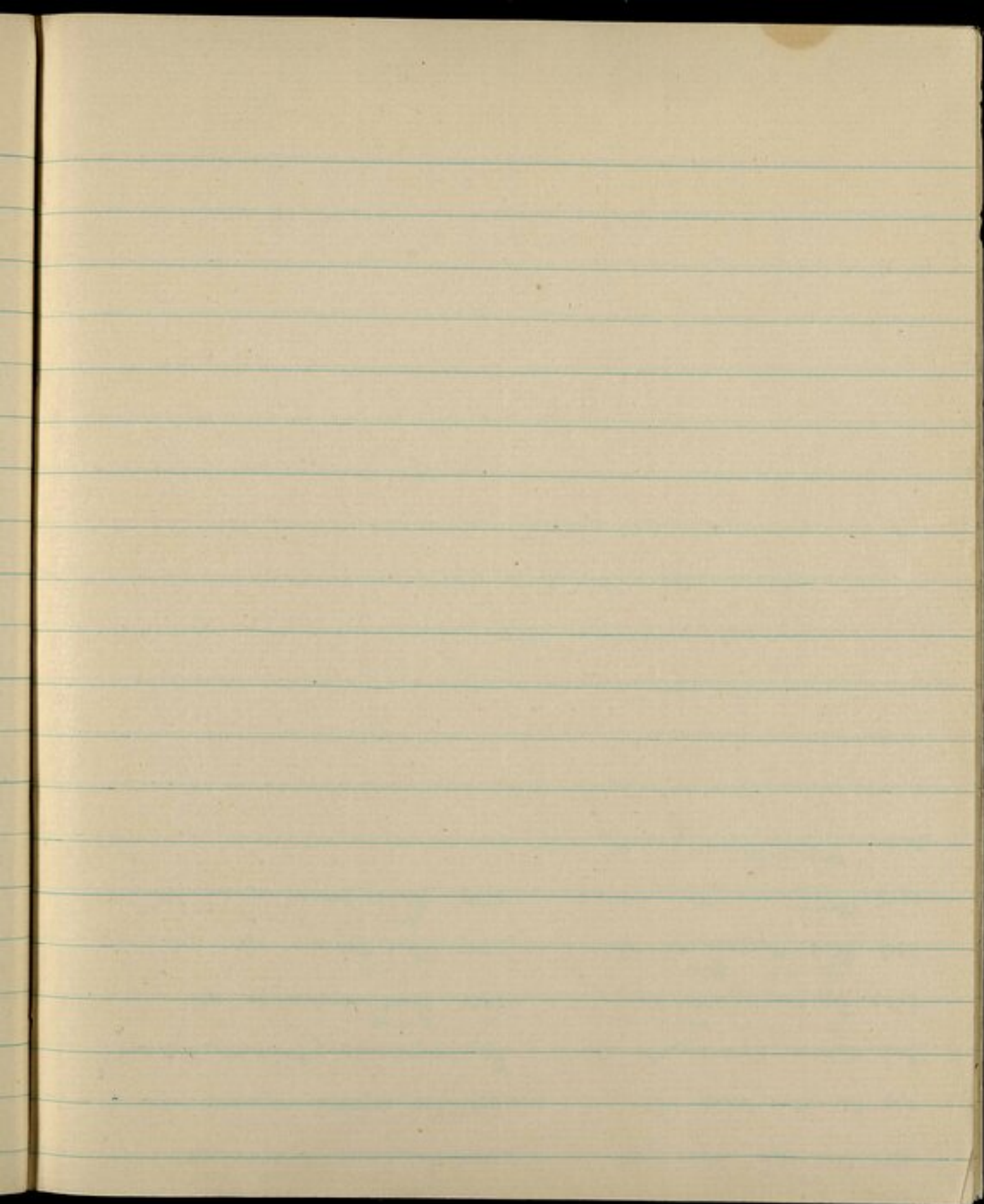


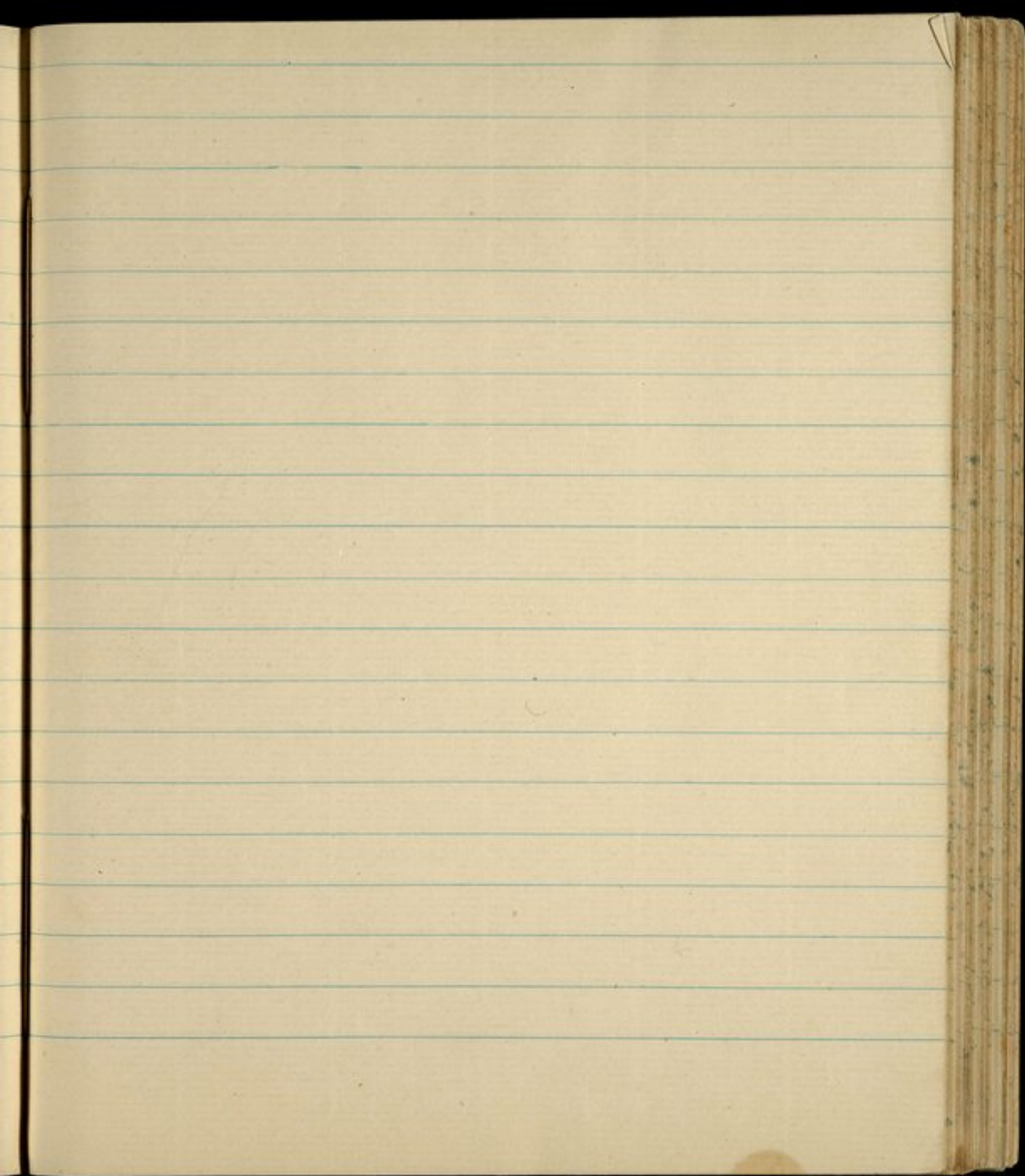












- ^{anelliflorum}
 2853 Rhod. epiph. Saldan. 19/11 ✓
 609 Mec. villosa. Saldan 15/11. ^(6-7/11)
 Prim. waltonii. Nyusauha. 17/11. ✓
 2839 Tree Nampa (red with flowers). ^{Common? Capitata Makin 12/11}
 2836 Rhod Nyusauha 15/11 ✓ ^{Janepellen v. talifone}
 2858 tsaruu .. ✓
 2860 campalaba .. ✓
- ^{Bedanda Kugrao}
 2854. Dracoccephalum. Saldan 19/11 ✓
 1177 Prim capitata. Nyusauha. 15/11. ^{Nyusauha 13/11}
 Prim sapphirina (Milanateng ha) (wanda?)
 2855 ^{anelliflorum} Rhod Nyusauha 15/11 ✓
 2857 ^{merom} Rhod. Saldan. 15/11 ✓
 2859 ^{lectum sero Nyusauha} Rhod. Nyusauha 15/11 ✓

- 2725 *Cymbanassa* sp. Palala. 7/11
 2044 ^{Welshia} Prim. 30.10. Auram. 14/11
 Cent ^{Sing. Ching} Waltherii. Kynun^{21/9} 2597. 30.10. 36.
 2821 Prim. tenuiloba. Kechan^{10/11} La. 10/11.
 2823 Cent. ornata. Siao. 10/11
 ? Cent. ornata. for Kechan La. 9/11.

2600 - 2700 with a few exceptions (see Book for spp.)

27 - 27 see Book. Field notes.
 2801 - 28 see Book - -

- | | |
|--|---|
| 2815 Rhod ^{arbaen} arbor? Tanang 11/11 | 2826 Rhod. ^{thomsoni} O lat. Tanang 11/11 |
| 2827 Rhod. ^{anfractuosa} arbor ^{milakatog} Nilakotang 11/11 | 2828 Rhod ^{anthopoga} smala. Pinn ^{11/11} La. 11/11 |
| 2829 Prim ^{clausi} Cambeliana. Nilakotang 11/11 | 2830. Cent (Etwesi) ^{milakatog} Nilakotang La 11/11 |
| 2833 Rhod. ^{maden} wado. ^{Muktan} Muktan. 12/11. | 2835 Rhod ^{griffithianum} griffithianum Muktan 12/11 |
| 2836 Rhod ^{epipactis} epipactis Muktan 12/11 | 2838 ? ^{Hymenopogon} Hymenopogon ^{parviflorus} parviflorus Muktan 12/11 |
| 2845 " ^{canaliciflorum} canaliciflorum. Nyungang ^{13/11} La 13/11 | 2846 R. fulgens Nyungang La 13/11 |
| 2847 " ^{thomsoni} thomsoni " 13/11 | 2848 R. ^{thomsoni} thomsoni " 13/11 |
| 2849 " ^{canaliciflorum} canaliciflorum " " 13/11 | 2850 R. ^{canaliciflorum} canaliciflorum " 13/11 |
| 2851 | 2852 " " " " |

Small part from Brunka. 11/11
 Swertia *Historiana* same as 654.
 Cent. sin. to 2039 Tanang. 11/11.
 Prim. *capitata*. Tanang 11/11.
 Small white cent. (same 2356?) Ba Nilakotang 11/11
 Primula *Olegia* white. Nilakotang. see 655. ^{milakatog} (11/11)
 White *Nee horridula* see 659. ^{milakatog} (11/11)
 Cent. sin to 2037. Tanang. (Auram cent).

- 1353 (2) Rhod. ^{triflorum} Natrampa. 27/10. ✓ 27/4
- 1372 Rhod. ^{Daphne blaya} " 27/4
2312. Phil. ^{lombayana} " 8/7
- 2420 Yellow ^{Burpeeia aurantiaca} Dracoutalum. 17.10. ✓ 20/7
- 2752 Rhod. ^{puderosum} Lung. ✓ 23.10.
2756. ? ?? Natrampa. 27.10. ✓
- 2758 Rhod. ^{trichocladum} " ✓ " ✓
- 2760 - ^{canaliciflora} " " ✓
- 2762 - ^{peruianum} " " ✓
- 2764 - ^{baccharifolium} " " ✓
- 2259 Gent. ^{tibetica} Trün 29.10.
- 2765 Rhod ^{canaliciflora} Natrampa 27.10. ✓ 36
- 2767 - ? " " ✓
1551. Pinu ^{tibetica} Chayul 31.10. ✓ 5/5
- ? 2665 ^{Delphinium} Corwin yellow shrub. ? Kap. 31.10.
2422. ^{menis} Ceratobryna. ^{Trün} Chayul 31.10. ✓ 20/7
- ? Seed of small *Conferites*. Rala La. 7.11.31.
- Iris. Siso Dz. Same as Karta Iris.
- Frit. 2776. Rala La. 15500 7.11.
2774. ^{marginata} Gent 2006 Ralaha. 7.11. ✓ 10/6
- 1354 Rhod. ^{Andabaroni purpurella} Natrampa. 27.10. ✓ 27/4
- 1399 Clematis ^{montana} Trün. 28.10. ✓ 3/5
2416. Gent. ^{Waltoni} Trün. 28.10.
2739. Rhod. ^{caluba} Natrampa. 26.10. ✓ 17/10
- 2755 Rhod. ^{exoni} Lung. 25.10. ✓
2757. Rhod. ^{caluba} Natrampa 27.10. ✓
- 2759 " ^{megeratum} " " ✓
- 2761 - ^{megeratum} " " ✓
- 2763 Tree red leaves ^{Andabaroni} ?? " ✓
- 1352 Rhod. ^{neriflorum} Natrampa 27.10. ✓ 27/4
- 2416 (2) Gent. ^{Waltoni} 29/10 Trün ✓ 20/7
2766. Rhod. ^{tsaronica} Natrampa. 27.10. ✓
- ? No no. Gent. ^{Waltoni} 30.10.
2429. ^{velum longica} Pedicularis. ^{stabiliform} Chayul. 31.10. ✓ 20/7
2770. Rhod. ^{virgatum} Lung. 26.10. ✓ no nps.
- ? Rhemum white. Loha. in bag.
- ? Nicotiana ^{glauca} unripe. Choran.
- ? Karta Iris. (in tin).
- 2773 Gent ^{umbellata} ^{Dzangla} ^{paluda} 27.11. ✓ 6.11.
2772. Gent sp. ^{Dzangla} (unigena?). ✓ 6/11

- 2257 ^{Jaffrayana} *P. pulchelloides*. Karuha. 13000. 8/10. 2316 ^{Seni} *Aquilegia*. Karuha. 8/10 12000'
- 2342 *Sarcophyllaria* Karuha 12/7 2726 *Delphinium* (seed only) Karuha 12500. ^{8/10}
- 2357 *Cent. phyllocalyx* (bis) Kashmyra. 9/10. ^{4/7} 2375 *P. nivalis* sp. Karuhya. 9/10. ^{15/7}
- 1713 *Heate*. ^{Diplanche} *microscapa* Kashyda 10/10. 2729 *Heate* small. " 10/10. [✓]
- 2375 *P. nivalis* sp. 10/10. 2360 *Asarum*. " 11/11. ^{4/7}
- 2393 *Lonicera myrtillus* " 11/10. 2730 *P. nivalis* sp. 14500' 11/11. ^{8/10}
- 2733 *Sax.* " 12/10. 2734 *Sax.* " 12/10. [✓]
- 2732 (2) *Small yellow prim.* " 12/10. 2736 *Rhod. R. red one?* 13.10. [✓]
- 1370 *Yellow petiol. primula*. Kashmyra. 9/10. ^{4/7} 2731 *Cent. ornata* MIXED. 11.10. [✓]
- 2735 (see 2359) *Tendula prim.* " 12.10. ^{13/7} 2349 *Prim. rotundifolia*. Kashmyra. 9.10. [✓]
- 2497 *Cent. (man heads)* Kashmyra. 13.10. ^{14/8} 2386 *Cent. shikantia*. Kashmyra. 9.10. ^{18/7}
- 2731 *Cent. ornata*. Kashyda 13.10. ^{11/13} 2737 *Androsace* (small) - - 16.10. [✓]
- 2251 *Iris. Natarampa*. ^{Decora} *Sage Cholong* 16.10. ^{25/6} 2257 *Prim. pulchelloides*. Karuha. 16.10. ^{29/6}
- 2416 *Cent. Walteri*. Natarampa. 16.10. ^{32/7} 1355 *Rhod. Natarampa*. 16/10. ^{37/8}
- 2318 ? *Natarampa*. 17.10. ^{8/7} 2738 *Rhod. Karuha*. 16/10. [✓]
- 2739 *Rhod. Natarampa*. 17/10. [✓] 2741 *?? Lung.* 20/10. [✓]
- 2279 *Philadelphus*. Lung. 22/10. ^{3/7} 2321 *Anemone?* Lung. 21/10. [✓]
- 2334 *Rhod. Cinnabarinum*. 22/10. ^{10/7} 2744 *Rhod. (Madani)* - " 22/10. [✓]
- 2745 *Rhod. thick branched capsule* 22/10. [✓] 2748 *Rhod. below Lung* 22/10. [✓]
- 2749 *Creep. lung* 22/10. [✓] 2750 *Hypoxis* " 22/10. [✓]
- 1751 *Rhod. thick fawn indumentum*. 23/10. [✓] 1385 *R. kodjoni* " 23/10. 29/4
- 2312 *Philadelphus lung.* 23/10. ^{8/7} 2332 *Rhod (Madani)* " 22/10. 10/6
- 2752 *Rhod. (see 1358)* 23/10. [✓] 2754 *Rhod. lung.* 23/10. [✓]

Blue dracocephalum Karutra. 12000' On cliff faces. Dry zone. 8/10.

Small androsace. - 13000' Open hillside. edge of -- -

Rheum white. Kashongpa. 15000' 9/10.

Frit. Thary. probably 1611. 4-15000' Kashongpa. Among dwarf rhododendron. 9/10.

Prim. sikkimensis (white?) Kashongpa. Open sere. 14500. 9/10.

- " v. fine, yellow .. Droppa. .. -

Mec. bella. 14000' Kashongpa.

Small blue Mec. Kashongpa. Very strong hillside. Scape weak from base.

Isopyrum. 10 10-30.

Prim. Cantoniensis not fully ripe. Kashongpa. 11. 10. 30.

Prim. tenuiloba. Kashongpa. Open hillside. strong ground. 14. 10. 15000'

- (2162) -

Iris. Natabampa.

Blue dracocephalum. Karutra. 8/10.

1972. *Codonopsis*. Surab. 22.9.36. ^{2/6/36} *Microstelia lala* 2252 *Scrophularia*. S. Choling
2431. *Codonopsis nicaiflora*. ^{9/20/36} *macrophylla* ^{26/7} *Prim. nivalis*. (Trahanaea) (new). 22/9
- ? *G. Veitchianum* Sumbata 14/9. ^{14/9} *tibetica* *Prim. nivalis* (Trahanaea) Sumbata 22/9
- 2601 *Prim. nivalis*. (red capsule). Trahanaea 22/9 ^{14/9} *Prim. nivalis* (Trahanaea) Sumbata 22/9
- 2259 *Cent. kistia*. ^{Samp. Choling 29/6} *Charms*. 29.9. ^{22/9} *Prim. (Natraupa) Mupa*. 10/9
- 2709 *Colmeaster*. ^{20/10/36} *Samp. Choling* 27/9 ^{22/9} *Cras apple*. *Charms*. 30.9.
2261. *Jasminum* ^{29/6} *Samp. Choling* 29/9. *Charms*. ^{22/9} *Ceralestigma* (tin). S. Choling. 26.9.
-
- 1561(i). *Prim. macrophylla*. ^{14/20/36} *lala*. 2/10 (tin). ^{8/5/36} 1561(2) 2 pths. *P. macrophylla*? *lala*. 15/10
- 1958 *Delphinium* (Chata). *lala* 1000 2/10. ^{20/7} *Thymus*. *Kyungpu*. 2/10.
- 2284 *P. bellidifolia*. ^{4/7/36} (seed hardly ripe). 2294 *Prim bellidifolia* 2/10. *lala*.
- 2298 *Crematodium*. ^{5/7} *lala* 1000 (2.10/36). 2431. *Codonopsis nicaiflora*. 12000 2/10.
- 2717 (2257) *Prim. pulchellodes*. ^{3/10} *lala*. 2000. 2718 *Saururus*. *lala*. 9/10. 15500
-
- 1662 *Prim Ranzana*. ^{23/5} *Tombsang*. 11/10. 12500. ^{14/6} *Pink Cremat.* *Dichumpha*. 5.10. 15000
- 2175 *P. Osligna*? ^{18/6} *Dichumpha*. 4/10 15000 ²⁴ *Iris* (star). *Trum*. 6.10. 12000
- 2294 *P. bellidifolia* *lala*. 4000. 4/10. ^{24/3} *Crematod. plantagere*. 15500. 5.10/-
2437. *Geranium*. 15000 4/10. ^{25/7} *Prim. nivalis* (same as 1561(2)). 15000 4/10.
- 2722 *P. abrotanata* *subsp?* ^{4.10.15000} 4.10. ^{27/10} *Pink meconopsis*. 15-16000. 5/10/-
- 2247 *Rosa macrophylla*. ^{29/6} *Trum*. 7/10. ^{29/6} *Iris*. *Trum*. 7/10.
- 2253(2) *Thalictrum* *Trum* 7/10. ^{29/6} ^{3/3} *Yellow sedum* 7/10 *Trum*
- 2416 *Cent. Waltoni*. *Trum* 7/10. ^{22/7} ^{22/7} *Salvia* *Trum* 27/10. *Trum* 22/7
- 2420 *Yellow dracocophalum* *Trum* 7/10.

Mecomonis beka. beka. 14000' 2/10.

Yellow Sax. few seeds. 16000' 2/10.

Mec. beka. ~ - 14500 4/10. Dichomycha.

Mec (probably 2451.) 15500' 5/10 - Open strong hillside.

Podophyllum. Kijimpu. 12500. 4/10 On stream banks under trees.

Cassiope sp. Dichomycha. 14500' 4/10 Among dwarf rhodo. Open hillside.

lin (Chayulone). Triun 12000'. 6/10 - Among shrubs, strong hillside, irregular and

2562. ^{green} Cherry. Bimbi La. 10.9.36.
1763. ^{Barbora} ^{Esarua} smallest ^{Barbora} Berberis. Bimbi La. 14.1500'. Open grass hillside. - 3/6/36
- ✓ 1998. ^{Pr. simplicifera} Red capsule ^{15/8/36} ^{Trakan} ^{La} (Trakan La) collected from plants brought to Bimbi La. 12.9.36.
2580. ^{P. elongata} Yellow long prim (see 1780) ^{12/9/36} Bimbi La. 12.9.36. 13500'.
1778. ^{P. macrophylla macrocarpa} ^{Bimbi La} ^{5/6/36} Nivalis prim. by waterfall. 12.9.36.
2564. ^{Mec. homidula} ^{7/9/36} Mec. homidula. Lapu. 7/9.36.
2575. ^{Ribes flaccidum} Currant. ^{Maca} ^{Talitsang} Maca. Talitsang. 12/9 ✓
2565. ^{Codonopsis} ^{Drolma La} ^{7/9} Codonopsis Drolma La 7/9. 2576. ^{Prim. nivalis} ^{macrophylla} Prim. nivalis. ^{Shangha} ^{La} Shangha La. - ✓
2576. ^{Prim. siliniensis} ^{8/9} Prim. siliniensis. - 8/9. 2577. ^{Prim. flabra} ^{Kariga} ^{La} Prim. flabra. Kariga La 15/9 ✓
2567. ^{Prim. vimalis} ^{8/9/36} Prim. vimalis. - 8/9/36 2578. ^{Suerbia} ^{(Kut)?} ^{Tuntang} Suerbia (Kut)? Tuntang - ✓
2568. ^{Prim. (narampa)} ^{Mupa} ^{10.9} Prim. (narampa). Mupa 10.9. 2579. ^{Linca} ^{leuti} ^{Kariga} ^{La} Linca. leuti. Kariga La. - ✓
2569. ^{Mec. simplicifera} ^{round capsule} ^{Shagan La} ^{10/9} Mec. simplicifera. round capsule. Shagan La 10/9. 2583. ^{Prim. microdonta} ^{Yume} ^{14.9} Prim. microdonta. Yume. 14.9.
2570. ^{Prim. dryadifolia} ^{Shagan La} ^{11/9} Prim. dryadifolia. Shagan La. 11/9 2584. ^{Podophyllum?} ^{Yubo} ^{15.9} Podophyllum? Yubo. 15.9.
2571. ^{Prim. siliniensis} ^{videt form} ^{Tama La} ^{11/9} Prim. siliniensis. videt form. Tama La. 11/9 2586. ^{Corydalis?} ^{Taha La} ^{11/9} Corydalis? Taha La. -
2572. ^{Prim rotundifolia} ^{Shagan La} ^{11/9} Prim rotundifolia. Shagan La. 11/9 2587. ^{Prim. siliniensis} ^{white} ^{Shangha} ^{La} Prim. siliniensis white. Shangha La 12.9.
2573. ^{Prim. nivalis} ^{Tama La} ^{12/9} Prim. nivalis Tama La. 12/9 2588. ^{Cent. smalt.} ^{(Sun ha (not open))} ^{Taha La} ^{16.9} Cent. smalt. (Sun ha (not open)). Taha La 16.9.
2574. ^{Prim. shagna?} ^{yellow} ^{Talitsang} ^{13/9} Prim shagna? yellow. Talitsang. 13/9 2589. ^{Lumata} ^{ponum} ^(Suerbia) ^{Choram} ^{16.9} Lumata ponum (Suerbia). Choram. 16.9.
2608. ^{Prim. Valentiniana} ^{Taha La} ^{16.9} Prim. Valentiniana. Taha La. 16.9. 2590. ^{Prim. nivalis} ^{Kariga} ^{La} ^{12/9/36} Prim. nivalis. Kariga La. 12/9/36.
1600. ^{Adonis} ^{Choram} ^{17.9} Adonis. Choram. 17.9.
2242. ^{Prim. szlachanica} ^{Zimab} ^{21/9} Prim. szlachanica. Zimab. 21/9. 2255. ^{Salvia} ^{Sa Cholung} ^{purple} ^{21/9} Salvia Sa Cholung. purple. 21/9. 29/6/36.
2251. ^{Lin. Jecora} ^{21/9} Lin. Jecora. 21/9. 2258. ^{Little} ^{primula} ^{fruticosa} ^{21/9} Little primula fruticosa. - - 21/9
2252. ^{Scrophularia} ^{21/9} Scrophularia. 21/9. 2262. ^{Salvia} ^{purpl} ^{Cholung} ^{21/9} Salvia purpl Cholung. 21/9. 29/6

Gent. phyllocladix small. Tsari. 15000 12/9. Open grassy hillside.

Ranunculus yellow large. Choran. swamps. 17.9.

Gent. debensa. Yuto Tsari. 13500' 14.9.36. Open stony ground.

Gent. strophora. Tsari. 13000'. Among rocks.

Prim. flabra. Linsati. 14000. 21.9.36.

Gent. debensa - - -

2526. Prim. (Sikkimensis) from ^{Mizyitum 11/8/36} Trahan ha (from plant house to Mizyitum).
2532. Saxifrage. ^{stelle aurea} Above camp ^{Mizyitum} Nala. 1/9/36
2535. Prim. ^{hookeri} 1 white flower found (Pet?). Nala. 1/9/36
2536. Prim. ^{ceveana} Jattreyana? ^{Pangda} Pangda 1/9/36
2537. Prim. ^{abundant} abundant-like? Nala. 2/9/36
2538. Prim. ^{microphylla} ^{nivalis} nivalis. Pangda. 2/9/36
2539. Prim. ^{rhodochroa} (1737?) v. small Pangda 2/9/36.
2531. Hec. ^{argemonealis} ^{argemonealis} ~~argemonealis~~ UNRIPE X. Mizyitum, Pangda 31/8/36
1737. Little ^{P. flabellifera} Sappin ha prim. Mizyitum W valley. 30/5/36
- 2437? Geranium ^{reflexed} reflexed. (Kiyimpu). ^{Bumdi ha 25/7/36} Bumdi ha. 6.9.36.
1778. Prim. ^{novo v. hawaiiensis} (Nivalis) 1500' Bumdi ha. 7.9.36. By waterfall. 5/6/36
2153. Prim. ^{odorata of 200' type} Valentiana. Chickchar. 6.9.36. Open grass hillside. 13/6/36
2531. Hec. ~~argemonealis~~ ^{argemonealis} argemonealis. ripe. 1 capsule. Cliff face. Pangda 31/8/36.
2552. Rhododendron ^{pendulum} Chickchar (Podpa Suudo v small) 6.9.36. Open hillside.
2555. Saussurea. ^{triloba} Bumdi ha. 1500'. Open stony hillside. 7/9/36
2051. Gent. (?) ^{tubifera} Open stony hillside 1550'. ^{Sur da} Bumdi ha. 15/8/36
2054. Blue green gent. ^{Gen. namlaense} Bumdi ha. 1550' Open stony. ^{Sur da} 15/8/36
2559. Gent. ^{purpurascens} purpurascens (big one) Stony open hillside. Bumdi ha. 1550'. 8/9
E of camp.
2560. Prim. ^{macrophylla} macrophylla. stony open hillside. Bumdi ha. 8.9. 1550' -
2561. Prim. ^{nivalis?} nivalis? ^{macropl. or macrocarpa} nala to R. waterfall. 9.6.36. E of camp
Bumdi ha. 9.6.36. 9/9/36

Lonicera. (yellow large) Bindi La. 7.9.36. Shrub jungle.

Gent. pulchella. Bindi La. 15500. Open grassy hillside. 7.9.36

→ Prim. Sumarsoni? - 15000' Among rocks. -

Gent. sphylophora. Clitcheon 12500' Shrub jungle. 6.9.36.

Gent. - Bindi La. 13000' Rhod jungle. 8.9.36.

Prim. glabra. " - 15500 Open grassy hillside. 8.9.36.

E of camp
1/2 m. below.

Nec simplicifolia - " 15000 Rocky hillside. "

A Sikkimensis primula (probably white) Bindi La 15000. Rocky hillside -

A Gentian? longistylus. Bindi La. 15500. 15500' Open hillside. [Dwarf Rhod]

→ Prim. glabra. 15000' Bindi La. 9.6.36. Open grassy hillside.

→ Androsace. Bindi La 14000' 9.6.36. (2nd Collection) - - -

G. sphylophora.

→ Androsace (3rd Collection) - -

A big thistle, not collected. Bindi La 13000' Open space in forest. 12.9.36.

- June
- 2219 *Mec. betonicifolia*. Podjo Sundo. 26/6/36.
- 2252 *Scrophularia* (like *litu*) ^{*Sanjo Chelai*} Kympu. 29/6/36
- 2477 *Saxifrage*. ^{*pallida*} Chikchan. 23/8/36
- 2484 *Prim. Valentiniana*. " - ^{*odonata*} 24/8/36
2488. *Cent. like G. pullocabra* but smaller. " 23/8/36
- 2490 White *Prim. Sibiricus* - 23/8/36
- ✓ 2492 *Morina nepalensis* - 23/8/36
- ✓ 2497 *Primula* 1642 *flava*. Podjo Sundo 25/8/36
- 2498 *dicov. pallida* 1642 ~~1654~~. - 25/8/36
1611. *Fritillary. ciliolata* ^{Yarat} Chikchan. 18/5/36
- 1613 *Mec. simplicifolia* ^{Yarat} 19/5/36
- 2500 ? *Bean* ^{*Sauv. trichophylla*} ~~food~~. like a heart. Podjo Sundo. 25/8/36
- 2501 ? *Bean* ~~food~~. -
- 2503 *Rubus* ^{Rubus} Raspberry. ^{Migijum} 24/8/36
- 2505 *Rhododendron* ^{negerah} small virus below bridge ^{Migijum} below " " 24/8/36
- 2516 *Prinosakia* ^{Prinosakia} Small yellow primula. ^{Migijum} 27/8/36
- 2521 *Ranunculus* ^{Ranunculus} *Saxifrage*. - 28/8/36
- 2522 *Mecum opm* ^{hirsuta} small leaves, rather purple colored - 28/8/36
2524. *Potentilla*. ^{Sibboldia peraffra} ^{Migijum} - 25/8/36
- 1662 *Ranunculus* ^{R. yagajagan} *primula*. ^{Migijum} 28. 8. 36. -
28/8/36

Mec. simplicifolia? Changshu ka.

Cent. Strophora Cuchan.

Prim. atrorubra. Kyin pu.

Cent. debora. Nijitun.

Yellow primula (small) P. Suudo.

Podophyllum. Nijitun (P. Suudo).

The numbers

- Lonicera (Deep red) Nijitun.
- P. Floridae. - 2 bags.
- Mec. simplicifolia. W valley Nijitun. 2 "
- Isopyrum. Nijitun.

Lonicera small. -

Centranth small white. Nijitun

Yellow Primula. big. -

The numbers

- Cent. pleurocalyx Paupya Nijitun (or mixed).
- Mec. simplicifolia E valley Nijitun. (1: in)
- Androsace Buxia ka. G. g. 26.

SEEDS. etc.

Seed of 552 + 554 sent to Edinburgh from Chungking.

Seedlings of ^{R. virens (Chungking)} 1166 + Gent. Amoenus. Edinburgh from Trasiung.

Seeds of 1193 ^{Pangshu} R. virens, 1257 ^{Pangshu} R. verrucosum, 1264 ^{Pangshu} Gen. glaberrima, 1285 ^{Lepo} R. baileyi
 1306 ^{Trimo} R. wallichii, 1316 ^{Lepo Chivally} Dri. lactea, 1374 ^{Trimo} Gen. haasii, 1376 ^{Lepo} Pass. lat. ludovicum, 1568 ^{Lepo} R. baileyi var.

1327 ^{Kap} Primula, 1328 ^{Kap} Androsace. Edinburgh 12.5.36.

2312 ^{Philadelph. lanceata} Scab. s. 10' white 4 pks. Nahaupa 2316 ^{Lepo} Aquilegia ^{cecalanda} Trimm. 8/7/36

2332 ^{exocarpum} Rhod. Maddenii Lung. 10/6/36 2342 ^{Incarville later Karuwa} Scrophularia (lily like) Kyimpu. 12/7/36

2364 ^{Diplazis multiflora} Heata. Kashompa. 14/7/36 2439 ^{algosa} Pinguicula. Kyimpu. 25/7/36

✓ 2441 ^{capitata} Primula atrodentata. Kyimpu. 26/7/36

✓ 1990 " ^{atrodentata} " Trakan La. 9/8/36

2044 ^{R. wallichii} Little primula. Chosam. 14/8/36

2071 ¹⁰⁰⁰⁰ Prim. not yet out. Takar La. 15/8/36

✓ 2080 Prim. (Pet?) 15/8/36

✓ 2081 ^{tsarunani} Prim. (1621?) 15/8/36

✓ 2082 ? ? 15/8/36

2090 ^{Gen. crassuloides.} v small ferns Trachung. 18/8/36

✓ 2088 ^{16/8/36} Mac. simplicifera. Chosam.

Presents.

Saffron -	6-4-		
Binooculars -	26-0	k2-	1396a Parula
Liberty Procade	78-0	66	6550 Dyala
Agate box. Srinagar.	30-0		
Papier mache bowl.	18-0-		

Place.
Moka Kusko Trashie Tempne.

165
150
140
130
120
110
100
90
80
70
60

