

Richard Archbold's Journal

Second Archbold Expedition to  
New Guinea

23 January to 26 June 1936



January 23, 1936

This was supposed to have been ~~the~~ the day that we sailed but it was such a windy day that they could not load the aeroplane so we had to wate till tomorrow. It was a terribly cold day as well and we nearly froze. All the water pipes were forzen which added to the discomfiture. I got down to the boat about noon or a little before to find Adrian and Joe waiting for me . I recieved a number of sailing presents about the most usefull was a gold pensil from Gug and Allie who also came down to see me off. Carl Chader and Johnney Lukas from O. J.'s and Jack Gatty from Fairchild made up the rostrum of well wishers. I stayed aboard for the night as I could see no reason for going back to the apartment.

January 24, 1936

It was not quite as cold as yesterday and there was not as much wind. they got the plane on board about nine and we sailed at 11:55 I had forgotten to bring the typewriter, so Rinald made a wild dash and just made it as they were taking in the last rope and handed it up the sides Just before dropping the pilot we pased a Standard Oil tanker coming in literally plastered with ice the wæather did not change much though it became cloudy in the evening.

January 25, 1936

We got into Newport News some time around ten and I went ashore wæth the captain and the agent of the ship and went to the customs. after lunch I copied the authorizati n for our Bapuan flight for the benifit of the customs and tried to get in touch with Gough. I also took a short walk up to town and bought a magazine and a sewing palm. About six I met the agent and I took a chance of finding Gough at home by the time that I got there which was the case. I had a very nice supper with him. After supper. After supper he went off to get Russel and his wife whom had flown down in a beechcraft with Chader. so we all had a pleasant evening .

January

January 26, 1936

We left Newport news a little after nine. Gough, Carl and Russel's wife came down to see us off. It was a dull grey day very cold though it was somewhat due to the humidity for it was warmer that in New York. Very little doing on board. I read most all the time. Toward ~~the~~ evening it began to thaw and the snow to melt off the decks.

January 27, 1936

Another grey day though it was decidedly pleasenter. did little except read. Hooked up or rather helped hook up the H. R.O.

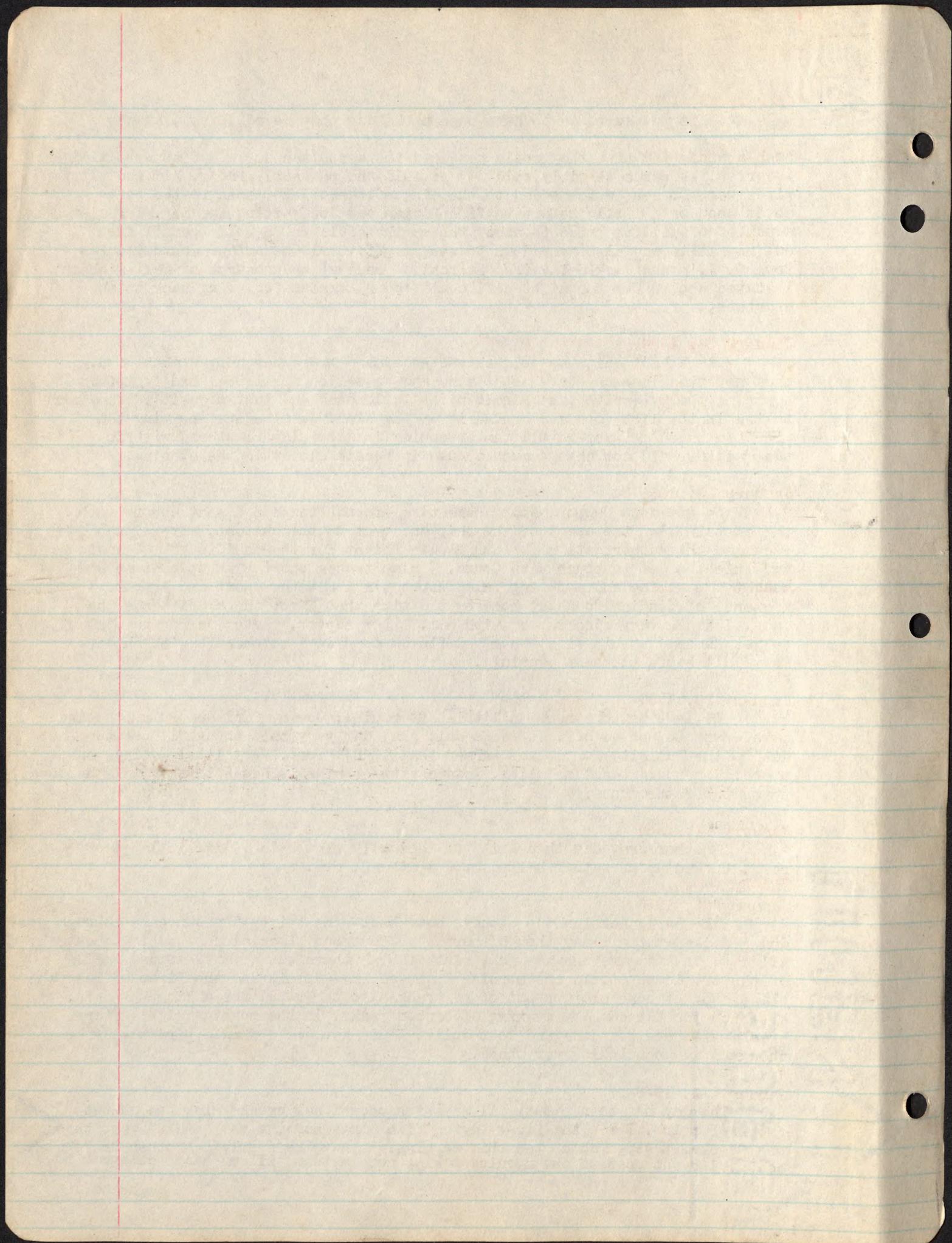
January"28, 1936

The early morning was cloudy but about nine thirty the sun came thorough and remained out all day though there were numerous black clouds hanging about all day. The temperature was just right though there was a very desided smell of the tropic about. In the morning I showed the Captain and the first officer the plane and got some clothes out of my trunk also the roped for making the nets; at which job I spent the ~~evening~~ afternoon ~~making~~. In the morning right after breakfast there was fire and boat drill. I did not see a single bird to-day though I was not loking very hard.

J

January 29, 1936

The day has been cloudy all day with occasional breaks also one ro two drops of rain . I saw the first flying fish this morning and and we went through the Crooked passage about ten this morning. We have seen only two other freight boats. I spent most of the mprning making rope nets untill my hands comenced to



get sore.

### January 30, 1936

About eight I saw a flock of ~~f~~ birds feeding to windward and a little later I saw the first school of flying fish, this was the only one seen all day though I did see one or ~~x~~ two individuals. The day was fine and ~~the~~ warm enough so that one felt better with ones coat off. I gave up the idea of making rope nets for dropping and decided to use slings as onenneeded about half the rope and it did not take so long to make, I figured 45 ft. as about the right length for a sling. There were very few birds seen all day enfact except for the flock at eight and one individual that hung over the ship for a time I saw none.

January 31, 1936. February 1, 1936, I did not wrte notes on the 31's so I missed. We arrived off the northern entrance about seven in the morning and went through the first or Gatun locks about nine thirty or ten oclock. There was a nice breeze blowing and we had no rain. We had a plesent voyage and got to Balboa a little before six. I wated for a while for Mr. Vauhn to show up but as he didn't the Captain and myself went to the Union Club, which was all right, that is the food etc., but not terribly exciting at least the Captain thought so at least it was cool and there crowd was decent in fact we were one of the few without mess jackets. Mr. Vauhn was on the Gatun locks unfortunatly on the opposite side and we could only hold a long distance con conversation, I understood him to say that he would see us on the other side (meaning Balboa).

### February 2, 1936

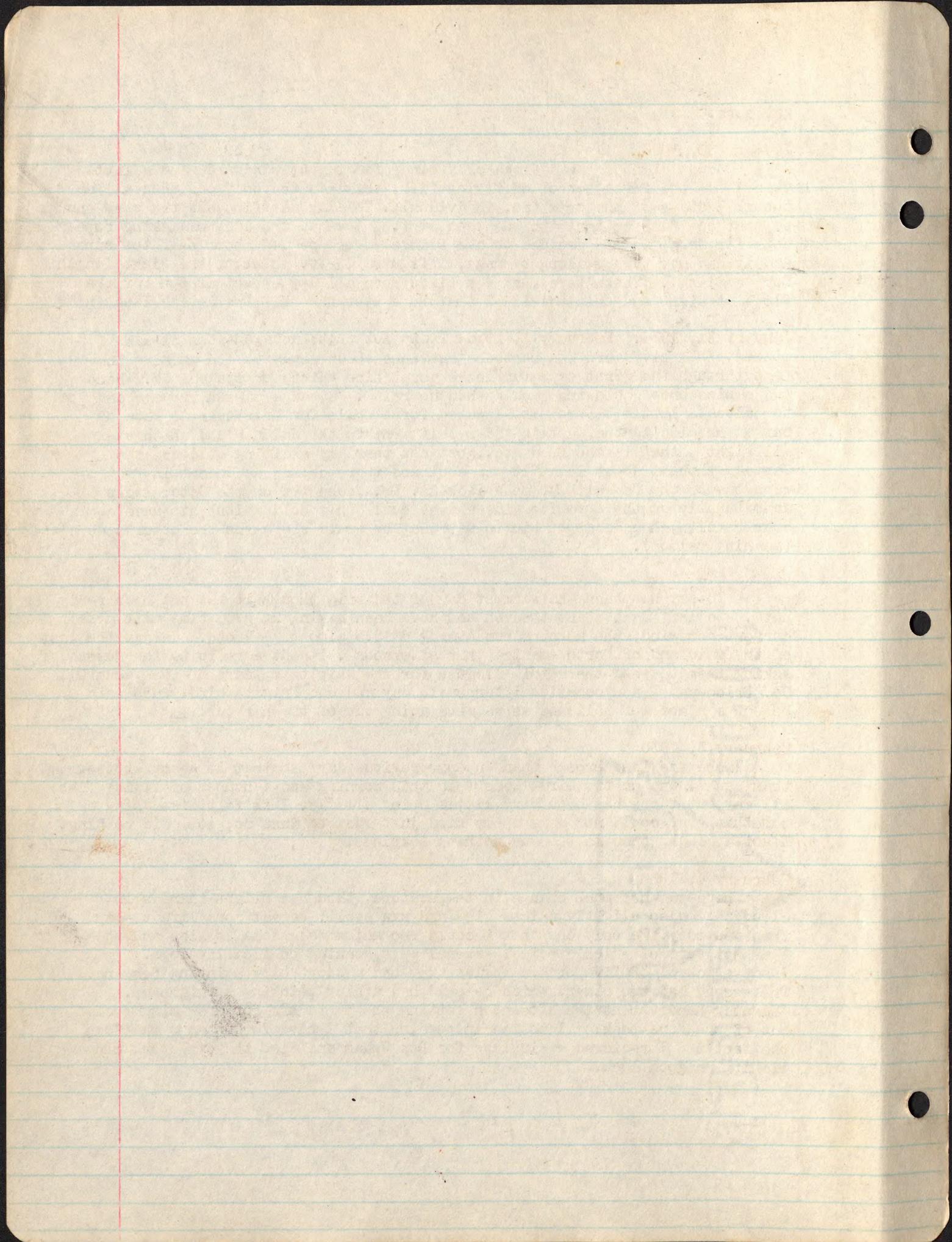
To-day has been the warmest day of the trip though it has not been really hot. We left Balboa about seven and have been making ~~fx~~ good time with a fair current and wind, the morning run averaged 13.9 almost 14 knots. We saw the last of the mainland of North America this afternoon. I sent a radio to the Museum asking them to send the raidio license for the ship to me care of the Vacuum Oil Co. Bribbane. I saw occasional terns all day and one Frigate bird. Russ said he saw a n mber of pelicans as we were going out of the harbour.

### February 3, 1936

There was less breeze than on any previous day so that it seemed hotter than usual. One or two birds were seen this morning and a number of flying fish all day but there has been very little doing all day. I ~~fx~~ felt like doing something but could not make up my mind just what to ~~do~~ do, so I did nothing. I got a slight burn in the sun nothing searious.

### February 4, 1936

There was not much change in temperature, though a slight increas in cloudiness also slightly ~~x~~ less wind and ~~xxx~~ swell. We saw more life to-day than yesterday. Te only onesthat I could recognise were some Boobies and them I am not sure of which species. several were staning on floating logs. I saw a school of five or six whales they had a short blow pointing forward. The second saw two others which he said had a blow pointing straight up. The deck hands spent the afternoon getting the parts ~~mx~~ for a swimming pool. out of the fore-peak. I notice in reading that I have forgotten to put down the fact the I recieved a wireless for Don Upham and also the Explorers club wishing me good luck.



Feb 2  
1936  
Dunlop

S.S. SOMERSET  
Abstract log of voyage from  
BALBOA Towards BRISBANE

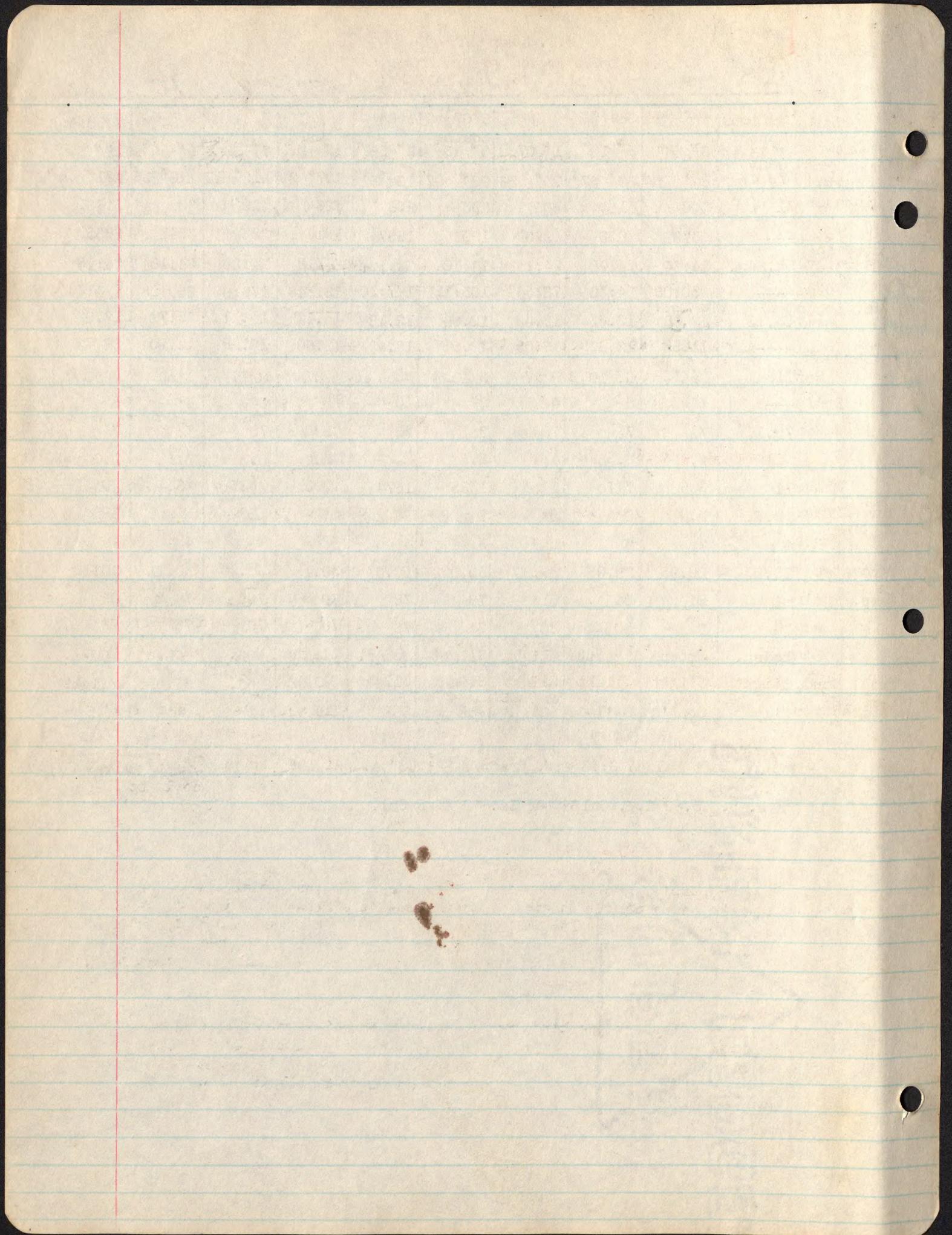
3 4 5 6 7 8 9 10 11

Cause	Various	Various	S 64 1/2 W	S 66 W	S 67 1/2 W	S 63 W	S 65 1/2 W	S 63 W	S 64 W	S 63 W
Latitude	North 7° 46"	5° 26"	3° 10"	1° 07"	South 0° 45"	2° 58"	5° 13"	7° 39"	9° 55"	12° 19"
Longitude	West 79 47	84° 13'	88° 57'	93° 36'	98° 07'	102° 32'	107° 29'	112° 15'	116° 56'	121° 40"
Distance	71	308	314	305	293	296	326	319	309	314
" Total	-----	379	693	998	1291	1587	1913	2232	2541	2855
Steaming Time Daily	5h.24m.	24:44	24:28	24:18	24:18	24:18	24:18	24:20	24:18	24:18
" Total	-----	30:08	54:36	78:54	103:12	127:30	151:48	176:08	200:26	224:44
Aver. Speed Daily	13.15	12.46	12.83	12.55	12.06	12.18	13.42	13.11	12.72	12.92
" Total	-----	12.58	12.69	12.65	12.51	12.45	12.60	12.68	12.70	12.72
Current Set	Tidal East	f. 6:12	S. 19 W	N 27 E	N 13 E	N 53 E	S 87 W	S 71 W	S 56 W	S 50 W
" Drift	---	12	5	4	22	10	22	14	4	8
Engines Rev	75.1	75	75	75	75	75	75	75	75	75
Slip	Nil	4.9%	2.5	4.4	8.1	7.2	-2.2	0.3	3.1	1.6
Miles	71	395	717	1036	1355	1674	1995	2315	2634	2953
Wind Direc.	N.N.W.	N.NW	S x W	SW	S x E	SE x S	SE	ESE	E x S	ENE S
" Force	4	2	2	2	3	4	3	4	4	4
Barometer	29.97	29.93	29.96	29.99	30.02	30.07	30.16	30.20	30.21	30.18
Temp. air	84	84	84	81	79	78	79	79	79	85
sea	76	82	80	80	74	75	76	76	76	78
Sea	Moder.	Smooth	smooth	Slight	Slight	Moder.	Slight	Mod. Slight	Mod.	Mod.
Swell Cond.	Slight	Slight	Slight	Slight	Slight	Slight	Slight	Mod. Slight	Slight	Slight
Direction	N'yly	Conf'd	SW'yly	SSW	SSE S	SSE	SSE	SSE SW	SE	SE

Remarks:-

Feb. 2. Left Balboa 6:36 A.M. Draft F. 22' 08" A. 26' 10" . 1:19 P.M. C. Mala S 73W 7M

Feb. 5. 3.58 A.M. Culpepper Is. S 24 E 6mi.



### February 5, 1936

We passed Culpepper Island about three this morning though I did not see it. When I got up there were a great number of birds about. I could make out ~~five~~ species though most I could not ~~ix~~ identify. I will numberate them there was 1, A large bird resembling a petrel, I ~~saw~~ saw four or five together several time during the day flying ~~x~~ heigh 60-100 ft. They had white underparts; primaries and top of head black while the back and upper wing coverrets sooty. No. 2, resembled a tern a small bird as compared with 1, the tail was forked ~~though~~ though this was not aparent at all times. It was dark or blacksh above and white below with a white band on forehead or neck I could not make out which though I saw séveral flocks all day. The reaming ~~x~~ were boobies I think that one was the "Blue-faced" and the other was the Brown Boobie, these last were less numerous than the first two species. Our position at noon Lat. 1 07' N. Long 93 36'W. In the afternoon we saw several whales We did not come close enough to see them though we could see that they had a short spout pointing considerably forward. The day was warm ~~with~~ with little seat. Run from noon to noon was 305 mi, yesterday's 314

### February 6, 1936

There was very little of interest to day I spent most of it reading. I developed a film for Julstedt after supper. In the afternoon a maderate bre breeze sprung up on the port beam which made it nice and cool. Chips finished making the swimming pool.

### February 7, 1936

There is a nice breeze on the beam. I awoke early and went in for a swim before breakfast and after breakfast we had ~~fixer~~ fire and boat dirll. About ten we passed a school of dolphins I think they were Dolphinus they were brownish above ~~x~~ and leighter below. there must have been fort to fifty of them. Very little doing in the afternoon. I went in for another swim

### February 9, through 11, 1936

There has been very little to write about. It has been not too warm though yesterday when the wind shifted to astern it was slightly warmer than usual. I have decided to enter the ships position an a separte sheet all at one ti e. I have seen very few birds about one each day and then not close enough to identify. There has been endless pounding, paint chipping. The swimming p pool has been moderatly used and the water has seemed slightly cool about 72. F. I developed a film that I took at Hagerstown and on board also coming through the canal; it came out fairly good.

### February 12 through 21, 1936

There has been nothing practically worth writing about during this time except possibly the scarcity of birds, ~~ix~~ I did not see more than about six and they were mostly boobies. To-day I saw the first Tropic-bird that I have seen on this voyage. The weather most of this time has been fair, though we have had an occasional shower and there has been a slight breeze so that it has not been excessivly hot. Rogers and Juelstedt have been putting final touches on the ship and the radio.

### February 23, 1936

We saw more birds to-day that on any-time since leaving Galapagos they were mostly Tropic birds. Flying in pairs and in beautiful full plumage there also seen a number of Boobies and one large petrel. I moved the radio (HRO) down to my cabin and had lots of fun playing with it I wrot the list on the back of this page.

Feb 22 1956

11.5 373 Paris Broadcast 500 P.M

28 mg. 446 WLJYH calling "CQ" 12 55 P.M  
4 7 YS

28 ? 6 AOK calling C.Q. + talking with another  
station good

11 6 330 Pittsburg Broadcast W8XX

9570 186 Jay Indonesia 9570 W1XK ?

6100 Chicago W9XF ?

117 301 Germany

187 1/2 Sydney 2ME

VK2GR Sydney

~~Feb 23~~  
6:00  
191 Rome

187 1/2 ?

189 Tim signals

182

333 Paris W 8

DT 866 3LR Lyndhurst  
HEO

Feb 25

2 300 Paris 645 75.20

9535 London 745 GMT - 150 D.M.T.

9548 "

190

3.5-7.3 - - - - - Station was 400

cod 7-14

340 - Germany

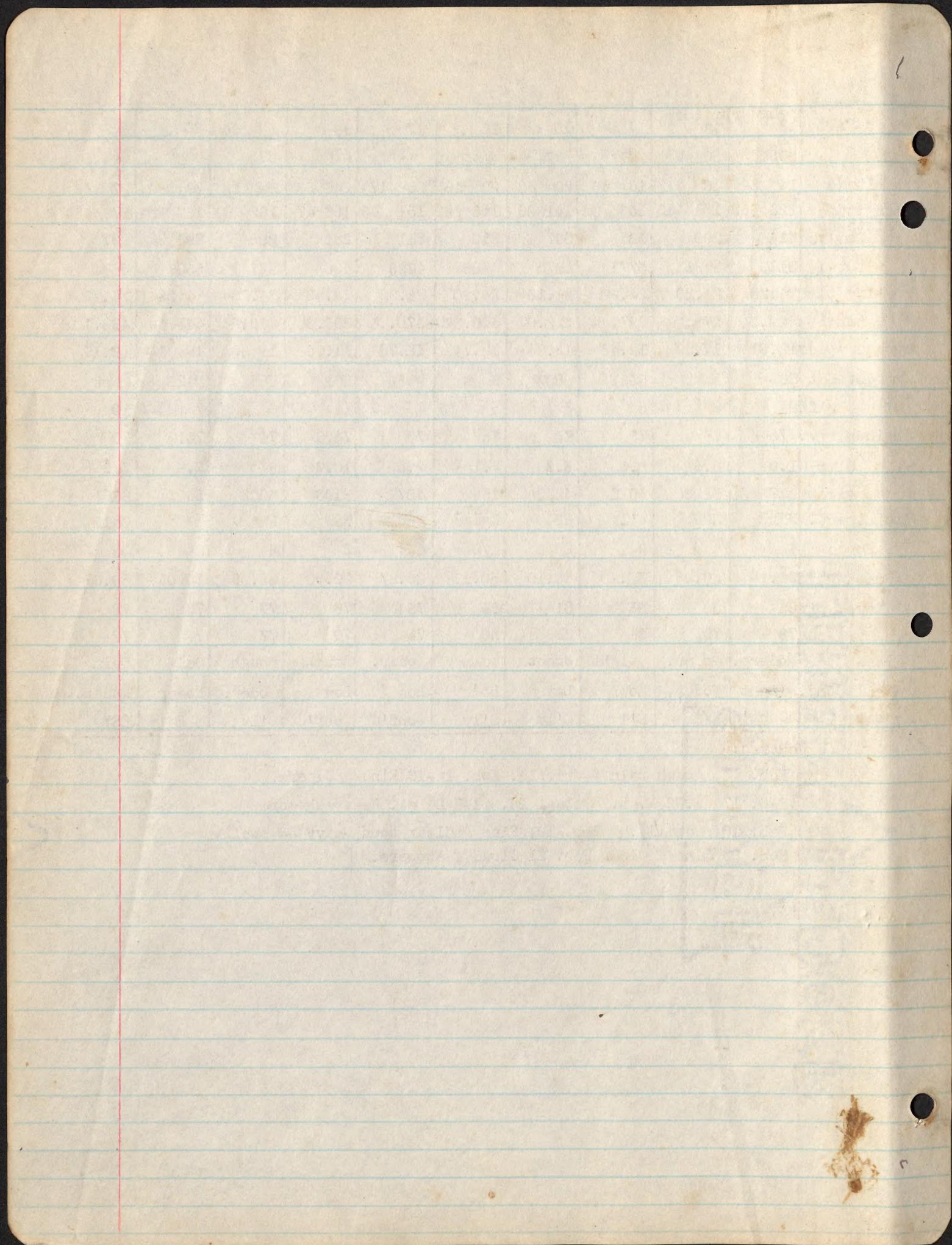
345  
550 + England

337 1/2 Germany

DATE	February, 1936		14	15	16	17	18	19	20	21
	12	13								
	S65W	S64½W	S65½W	Various	S71½W	S73W	S76W	S78W	S80W	S81
Latitude	14 32	16 41	18 46	20 38	22 16	23 47	24 57	25 58	26 50	27 38
Longitude	126 33	131 13	136 02	141 06	146 22	151 45	156 47	162 01	167 24	172 54
Distance Daily	314	299	303	307	310	311	284	290	294	297
Total	3169	3468	3771	4078	4388	4699	4983	5273	5567	5864
Steaming time	24.20	24.20	24.20	24.18	24.20	24.22	24.22	24.20	24.22	24.22
total	249.04	273.24	297.44	322.02	346.22	370.44	395.06	419.26	443.48	468.10
Average speed	12.91	12.29	12.45	12.63	12.74	12.76	11.65	11.92	12.06	12.19
Current Set	S63W	East	N32E	S80W	West	N25W	N61E	N85E	N42E	East
Drift	9	8	5	3	5	7	14	6	7	10
Engines rev.	75	75	75	75	75	75	74.6	74	74.2	75
Slip	1.9	6.5	5.3	3.3	3.1	2.8	10.7	8	7.2	7.2
miles	3273	3593	3913	4232	4552	4872	5190	5505	5822	6463
Wind Direct.	NExE	NNW	E'ly	SE	Var. Calms	NNW	WSW	SxW	SE	Calm
Force	4	4	2	2	1/0	4	5	5	2	0
Barometer	30.10	30.08	30.10	30.10	30.12	29.97	29.93	29.98	30.05	30.07
Temp. air	83	80	83	81	83	79	76	77	78	78
sea	78	79	81	81	80	78	79	77	78	77
Sea	Moder.	Moder.	Slight	Smooth	Calm	Moder.	Rough	Rough	Calm	Calm
Swell Cond.	Slight	Moder. Conf'd	Low	Low	Low	Low	Low	Moder.	Moder.	Moder.
Direction	Conf'd	N/S	S'ly	S'ly	S'ly	Conf'd	Conf'd	S'ly	ESE	ESE

Remarks:-

Feb. 13, Much rain & drizzle. Feb. 14-16 Fine & Clear  
 Feb. 17, 2.02 A. M. Tubuai Is. S14E 9½ mi. Heavy showers  
 Feb. 18 Squally. Feb. 19, Fine & Clear Noon Heavy SE Swell  
 Feb. 20 Fine & Clear Feb. 21 Cloudy, showers.



February 23 - March 19

I have not written notes since we were on the Summerset and consequently I have forgotten a lot. We had fair weather all the way but toward the last when we were approaching the Australian coast. We arrived at the wharf about ten in the morning and had a busy morning and afternoon getting our stuff off and transhipped to the Montoro which was due to have sailed that evening but she ran aground and we have been charged with 12% General Average which is a nuisance and an expense as I had no insurance. Everyone in Brisbane was most helpful and they did everything ~~in a~~ That they could have to help us get the plane assembled and cleared consequently we were flying in a week. We had a fast trip from Brisbane to Cairns but the weather was abominable and we saw little except the actual coast. We made the trip in 7hr  $\frac{1}{2}$ . We made a stab at continuing the next day but the weather was so bad that we had to turn back and wait for the next. The next day was fine except for a shower just North of Cooktown and we had a head wind most all the way to Daru where we found everything O.K. we spent several days here and then went to Port Moresby on Sunday in two  $\frac{1}{2}$  hr. We spent Monday and Tuesday in getting the ship and other gear through customs and ordering a few supplies. We brought Patrol officer Champion and Mr. Willis who is going to run transport for us. Mr. Champion is going to show us the country so that we ought not have any trouble finding our way. also P.O. Healey is coming on the Chief tomorrow to go with us.



March 20, 1936

The Chief did not arrive to-day we had a look at Oriomo Co. Buildings at Dogwa and Wuroi I Hardly recognized the country and would have missed it intirely if it had not been for the buildings. After that I took a series of pictures from Dogwa to the mouth of the fly to see if the camera was working all right. We had a go at Bramble Cay but could not find it though we did not try very hard. We returned and ~~waited~~ waited for the Chief which did not show up.

March 21, 1936 March 22, 1936

We did little all day Juelstedt and Rogers spent most of their time working on the radio which has not been working. In the evening the Chief arrived of the 22nd. Bringing Mr. Healey and a few stores.

March 23, 1936

Today we started our survey flights and low clouds hindered most of it as well as getting stuck in getting off. It had to be absolutely low when we wanted to leave and consequently we got stuck when we were nearly off which kept us from leaving until seven thirty we landed at Lake Murray when we saw that the mountains were clouded in to see if they would lift but they didn't, so we shoved off again in an hour and a half and had a look at the junction of the Palmer and the Fly also the Palmer and the Black. As near as we can tell the highest we can land is the Junction of the Palmer and the Surprise Creek we returned to find that it was low water again so that we did not get gassed till nearly one this (24th) morning, Rogers sleeping aboard as the ship was dredging Still the Radio does not work Properly, all day we could receive nothing although we were getting out as they heard everything that we said.

March 24, 1936.

We got away at six thirty which was a little later than we had planned but as it was overcast we could not leave before. We climbed slowly till we got to 2,000 meters where we were flying just below the clouds. We were flying a course calculated to take us to Mt. Blucher but we made considerable drift to the East and consequently arrived at the mountains at the Gorge of the Strickland on the way we flew over some unexplored country and discovered several things one a Crater lake in a almost perfect crater also a waterfall. When we got to the Mountains we found the tops of the highest in clouds as well as a lot of the lower ridges and valleys. Never the less we saw a lot and it was a very interesting flight. I can say little about the actual detail as I was doing the flying and consequently could not write very well. The party consisted of:- Mr. Champion a Patrol officer who had been over the country and who was most helpful pointing out landmarks and on thing and another. Besides Mr. Champion there was Dr. Rand, Mr. Tate, Mr. Bass, and Rogers and Myself. Besides looking at the mountains we had a look at the Palmer again and also we flew over to the Alice We got back here at about one o'clock. I am sorry to say that my watch and as my spare is on the Viamaria is broken down I do not have any spare shoes I will get them on Thursday and ~~make the trip~~ I was pretty tired Last Night in spite of a nap in the afternoon

March 20, 1938

The Chief did not arrive today as he had a look at the...  
of the 22nd. Reading Mr. Bell and a few others...  
of the 22nd. Reading Mr. Bell and a few others...

March 21, 1938

...on the road which has not been...  
of the 22nd. Reading Mr. Bell and a few others...

March 22, 1938

Today we started an survey...  
of the 22nd. Reading Mr. Bell and a few others...  
of the 22nd. Reading Mr. Bell and a few others...

March 23, 1938

We got away at six...  
of the 22nd. Reading Mr. Bell and a few others...  
of the 22nd. Reading Mr. Bell and a few others...

Note: March 25 to March 31 no notes written during this time but entering what notes I remember day by day for simplicity.

March 25, 1936

We were slightly late in leaving Daru. The weather when we left did not look at all promising in fact the rain became so heavy over Kiwai Island that I came down again to a lower altitude. We were flying low about 100 meters til we started up the Turama then we climbed very slowly till almost to the limbe stone where were climbed with additional power to 3,000 meters reaching this altitude as we turned to come back toward Mt. Leonard Murry from Lake (There is at present considerable doubt of the spelling of Lake Marguerita) during all these flights that we have made I was doing the flying and was consequently occupied with the course and consequently had little time to make notes and what I remember is of little value in comparison of Rand and the rest I am including the collected Notes of the rest.

March 26, 1936

We got a ~~g~~ good start but the plat voltage was turned on by accident before the filament and we had to return after only  $\frac{1}{2}$  hr. to check over the transmitter. I did not think that it was worth while to make another start to-day.

March 27, 1936

We left for Port Moresby about eight thirty and had a lot of rain the first part  $1\frac{1}{2}$  hrs. we stoped at Yule Island and saw Mr. Thompson who was just as chipper as ever. There was no News of Bill Adamson, except that they could not reach him and that he was fighting in the Kuni-mipa. We only stayed an hour at Yule Island before continuing on to ~~px~~ Port. We found that the Veimauri had broken its crank shaft and had to return with our gear.

March, 28, 1936

Was spent in Port aranging for another boat and in ordering additional supplies. In the evening we saw a poor movie at least part I got fed up looking at it and left in the middle of the last picture.

March 29, 1936

We left port ~~ix~~ about nine or a little before. The Van Rees came in some time before six. We had a pleasant trip back to Daru. The ship seemed livelier than lately and we made our land fall only slightly to the North inspite of several shifts of wind. We got stuck coming up to the ramp which was more ~~or~~ or less to be expected as the tide was better than half way out. There was little else of Importance done

March 30, 1936

Little of Note Rogers was working on the ship on the spar that bent in taking off for Port.

March 31, 1936

Rogers finished the work on the ship which included a twenty hr. check on the motor, he reports that the plugs were carbonisig badly. The house for rogers was finished and the place is beginning to take on shape. We have had electric lights for the last night or two.

April 1, 1936

Ragers, Juelstedt, Tate and Mr. Bach left at seven for Wudoi and Dogwa. There was great excitement on the part of Rogers and Juelstedt whost first trip it was. They are after the D. C. plant and other suitable electric gear left by the Oriomo Oil Co. We got started building the house to house the Generators, Spare Motor and developing ~~xxx~~ outfits. I ~~xx~~ ran the evening radio schedual with Port. and had everything that could hapen without anything being searious anyhow I got through and sent three messages and recieved two. One for Mr. Woodward and one for m self saying that they had sent everything except the ~~M~~ Last Montoro cargo for ~~ix~~ which they claim there is no invoices actually I have handed in all the invoices and have paid duty on them. I am wire them tomorrow the 2nd.

Notes March 25 to March 31 no more written history  
This evening when I returned to the boat for history.

March 25, 1936

The weather was fine in leaving Port. The weather when we left did not look  
at all promising in fact the rain began to pour over West Island that I came from  
to a heavy shower. We were lying low about 100 meters off we started up the  
hills then we climbed very slowly till almost to the top where there were cliffs  
with additional power to 2,000 meters remaining. This altitude we were turned to come  
down toward the harbor many from lakes (low) level present considerable drop of  
the sailing of sail's (sailing) during all these hills. As first we have made it we doing  
the lifting and we consequently occupied with in our own and a fairly high level. It  
to make notes on the island. I of the water in the position of land and the best  
I am thinking that the type of the water.

March 26, 1936

We got a good start but the ship was turned on a moment before  
the lift and we had to return after a while. It is clear over the mountains.  
I did not think that it was worth while to go back to the boat.

March 27, 1936

We left for Port Moresby about 10:00 and in a lot of rain. The  
port here, we stopped at the island and saw a man who was just as cheerful as  
ever. There was no sign of Bill Adams, except that he was not seen and that  
he was lying in the hut. He only stayed an hour at the island before coming  
back on the boat. We found that the water had broken the engine and had to  
return with our gear.

March 28, 1936

Was spent in Port Moresby for another boat and in ordering additional  
supplies. In the evening we saw a boat move at least past I got up looking at it  
and left in the middle of the night.

March 29, 1936

We left our report after a little while. The boat was in some time  
before six. We had a pleasant trip back to Port. The ship seemed faster than before  
and we made our land only slightly to the north of the island. The boat  
he got stuck coming in to the bay which was not very far from the island. The  
side was better than last time. There was a small boat of the boat.

March 30, 1936

Little of these notes was written on the ship on the way back to Port.  
Off for Port.

March 31, 1936

Roger finished the work on the ship which included a twenty in. check on the  
motor, he reports that the engine was especially noisy. The noise for Roger was fairly  
bad and the noise is beginning to take on space. We have had electric light for  
last night or two.

April 1, 1936

Roger, finished late and it is not left at seven for lunch and Roger. There  
was great excitement on the part of Roger and the others that they were to  
see after the D. G. grant and other electric equipment. The Oxford Oil Co.  
We got started building the house to house the generator, pump motor and developing an  
outline. I in the evening made several with Roger and had everything done  
taken without anything being serious though I got through and sent three messages  
and removed two. One for Mr. Woodard and one for a man saying that they had sent  
everything except the 2.5 amp motor cable for which they said there is no inventory  
actually I have handed in all the invoices and have paid duty on them. I am with them  
compare the end.

Trip # 1 Daru - Lake Murray -- Black River - Palmer junction - Daru

Seats in plane: Rand (R), Champion (R) Brass (L) Tate (R front)

- 7.31 Left Daru Ship bearing 315 degr  
8.03 S. bank Fly  
8.08 Shifted bearing to 310 degr.  
8.07 N. bank Fly. Wide silt bank covered low mangrove, cut by creeks. Rain forest inland (B)  
8.09 Two old garden clearings. Savanna and some grass area in distance on right (R)  
8.10 Swampy patches grassy ~~patches~~ and sago in rain forest. Some brownish Casuarina forest? (B) Long house and small clearing (R)  
8.10 Rain forest and mixed savanna (thin). Grass country several miles long and one mile wide. Standing water (R)  
8.12 Open grass with regular tentacles of forest (B) Rain forest with irregular outline (B) *irregular line separating grass swamps & rain forest.*  
8.13 Grass swamps and rainforest containing rain forest islands (B)  
8.13 ~~with grass swamp~~ Good deal of tea tree, some dead, in swamps (B)  
8.13-14 Grass swamp nearly underneath. Still running along side swamp and lagoons two miles to east. Rest rain forest (R)  
8.16 Open grass swamps of Aramea showing east (B) with river winding through the Rain forest back from river, and islands of it in swamps (B)  
8.17 Lagoons, ponds and grass swamps, apparently a stream through them (R)  
8.18 Same as last (R)  
8.21 Low flat country with meandering stream with ox-bow bends, numerous lagoons, grass country and patches of forest (R)  
8.20 Beautiful open lagoons, red along edges with Azolla (?) Everywhere below bends of muddy river (B) photos  
8.22 Over stream (above). Apparently banks with natural levees, as they appear higher than surrounding country and carry lines of trees near water edge. Grass country behind them. Filled (?) cut-offs grassy with wooded edges (R) Note: this is the Aramea R. (C)  
8.25 Dark carpet of forest with only occasional grass land (R right)  
8.26 Parallel small meandering streams with much grass and forest (R)  
8.28 Over ponds, grassy edges extending as fingers into forest (R) Over beautiful country of rain forest, open lagoons and grass and tea tree swamps (left); (right) mostly rain forest (B)  
8.29 $\frac{1}{2}$  Over small red stream. Country more wooded. Some ponds with red vegetation around edges. Heavy haze cuts down visibility (R)  
8.32 Mtn Peak 358 degr (C) (see Rand sketch)  
8.34 To left large stream with considerable grass (R) To right mostly wooded; one stream with little grass (R) Over big rain forest lagoons of Aramea west Top of forest every shade of green, here and there dead or leafless trees and some with brown or yellow foliage (B)  
8.35 Low hills half right (T)  
8.35 to 40 Over completely forest flat plain (R)  
8.40 Still great forest for many miles (B) Aramea grass swamps showing away over to west (B) To right three spots of grass swamp in the forest (R)  
8.41 Hill 34 degr.  
8.43 To west few grassy swamp areas marking course over muddy river winding through rain forest (B)  
8.44 Heavy forest, ridgy (C) Mountains 30 degr.  
8.43 Changed bearing to 305 degr ship's compass  
8.44 Winding stream with little swamp to left (R)  
8.45 Over same stream, fifty yards wide, trending half right (R) Very brown-yellow in color. Very little grass swamp (R)  
8.46 Aramea fifty yards wide (C) Flying altitude 824 meters (B) Clouds beneath  
8.49 Ship 800 meters, coming to low fleecy cloud field below us. Dense cloud field 100 meters above prevents flying higher. Country all forested (R)

Seeds in plant ...

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Trip # 1

- 8.50 Ahead and to right clouds below have closed completely, to the left scattered parts like fog at more or less regular spaces, allowing views of forest (R)
- 8.52 Fly river (?) just visible west over great stretch of forest. No openings in forest below. Obscure lines like faint watermarks in paper mark course of drainage streams in forest (B)
- 8.58 Commencement more grass swamps with creeks running nw to Strickland. Cloud field spreading from direction of mountains (B)
- 8.59 Strickland in view ahead; Lake Murray just in sight (R)
- 9.0 ~~Changed~~ course to strike Lake Murray. All flat. Completely wooded (R)
- 9.03 Crossed Strickland river. Grass swamp of some extent to left. Strickland ~~roily~~ water, islands and ox-bows.
- 9.04 In big bend of Strickland lagoons with trees to their edges, little or no grass swamp. (R)
- 9.05 Oxbows and billabongs run about in such profusion that it is difficult to tell where the river flows, except for the dirty water of the Strickland and the dark clear water of the billabongs. In the forest conspicuous lines showing where the banks of the bends had been built up or cut-offs formed (R). The above are the banks of the inside of the bends.
- 9.07 Conspicuous red banks on Strickland several miles to southwest (B) Some open grass swamp country (R)
- 9.09 Over lower reaches Lake Murray and following a big outlet creek, dark, clear water flowing to Strickland. Whole country along Strickland incised by lagoons edged with grass (distant view) (B) Left much more open swamp (R)
- 9.13 Slight ridge (C)
- 9.14 $\frac{1}{2}$  Over edge Lake Murray (C) No lake really but a vast lagoon: a mixture of water and islets, islands, points, hooks and peninsulas. Country all forested. Margin along water only grass, bright green. In places trees growing into water, some at least tea tree formation (R) Great irregular lagoon of brown water miles across half filled with forested islands (B) Note: Clouds left behind about level with Strickland.
- 9.19 On water of Lake Murray. Half mile from village several houses on island. anchored in 20 feet water (B) (Canoe, two men visited us)
- 10.37 Clear of water and in air. Bamboos and some tea trees observed on some islands. Bright pale green lines water lilies mark edges of shallows off islands. Islands margined with half submerged masses of aquatic grass (B)
- 10 Bays, indentations and bayous everywhere; very little open grass country and that confined mostly to edge of water (R)
- 10.45 End of lake reached (north) Heading north for Black River. (C) Good deal sago in forest. Many trees in flower. Very soon after leaving lake forested ridgy country. (B) All forested, swamps or sago swamps (R)
- 10.47 Visibility better. See to horizon all around. Apparently entirely forested: tall slender palms. (R)
- 10.49 Small open grass swamp (R) On swampy grass patches in forest a low, white-flowering tree like a *Leptospermum* (B) Flowering rain forest trees with whitish, brown and here and there red or bright orange tops (B)
- 10.58 Low ridges noticable (R)
- 11.03 Low forested ridges (B) Few lines sago along hidden streams. Mountains discernible nww.
- 11.08 Jumbled ridges. Above old garden and house. Bananas amongst grass of clearing. Sago close by. (B)
- 11.09 House (C) <sup>two</sup> garden clearings, one with one house (R)
- 11.11 Low hills appear inland to right (R)
- 11.13 Stream almost completely hidden by forest (R)
- 11.13 $\frac{1}{2}$  Crossed Elevala (C) 50 yards wide flowing west (R) Fairly straight course through forest. (B) Ranges creeping down both sides of course in far distance (B)
- 11.15 Steeper ridges (C) Over tributary Elevala, a winding brown stream with tall trees flattened along edges by force of water (Cloud burst?). Riffles in stream (B)

- 8.00 ahead and to right above below have closed completely, to the left
- 8.01 ahead left line for more on face regular of ...
- 8.02 ahead (1) just this west over great stretch of forest. It is ...
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- 9.01 ahead (100) ...

Trip # 1

- 11.16 Stream hardly visible through forest (R)  
11.17 Stream 25 yds wide (R)  
11.18 Stream 25 yds wide, and house (T) Whole surface country cut up in jumbled sharp ridges (B)  
11.20 Small hills without definite direction. Rough country (R) Forest canopy east to west, not uniform, not all green. Very uneven surface. Besides various shades yellows and greens, black shadows, grays of various shades, russets and redbrowns and shadows modifying these to blackish (R) House and garden left (C). Mountains across Strickland visible (T)  
11.21 Steeper ridges. Hill # 1 45 degr. House and bananas in garden (B) Foothills looming up. High ranges beyond partly clouded over.  
11.22 Hill # 2 45 degr. House and garden left  
11.24 Creek, quiet, 20 yds across (R) brown (C) flows west (B)  
11.25 Large river from east (clear) (C) River 35 yds wide clear water, flowing west (R)  
11.26 $\frac{1}{2}$  Village (C)  
11.27 Black River  
11.28 Black river (over) 50 yards wide, brown winding islands sandbars quiet (R) Half flooded houses down stream, changed course down river. White Gravel bed top end/small wooded island. Mt. Blucher half clouded (B)  
11.28 $\frac{1}{2}$  Junction Black with Palmer (C) Palmer olive green in color (B)  
11.35 Junction Palmer and Fly (B) Below junction big sandy island.(R) Following Fly downstream exploring for landing places on river. No set course.  
11.38 Two villages  
11.39 Scattered population. River fairly low. Banks uncovered. Gravel banks and snags in places, but good straight clear reaches (B) Creek (C)  
11.41 Rogers says that for last 5 miles could land anywhere on stream. Village.  
11.43 Turned up Fly again towards Palmer junction  
11.45 From Palmer junction into Fly proper where noted a straight reach.  
11.46 Examining reach in Fly  
11.47 Garden  
11.48 Circled back above end of reach  
11.53 Again over Palmer junction (island in Palmer)  
11.54 Surprise creek  
11.57 Palmer junction  
11.58 House, and scattered houses west of river (B)  
12.00 Small river (R)  
1201 Village of 6 houses near sago swamp (R) Started out for Daru. 150 degr ship Note: Scattered population in these parts of country with gardens along river on the points.  
12.04 Elevala. 40 yards wide, flowing west (R)  
12.11 Village. Clearings (C)  
12.12 Sago swamps (B) Creek (C)  
12.13 Village (C)  
12.15 Winding muddy creek flowing towards Fly (B)  
12.18 Still endless forest with rare sago swamps of small size (B) No houses anywhere Running into clouds coming from direction of coast. (B) Bearing directly upon low gap in horizon (Strickland) (T)  
12.20 Creek and sago (C) Still slightly rolling hills (R)  
12.23 $\frac{1}{2}$  Sago patch (C)  
12.28 Conspicuous patch of tall light green trees on ridge top. Fairly open mixed sago and grass swamps (B) Drawing of Strickland gap still dead ahead (T) Strickland several miles away visible on port side (B)  
12.30-31 $\frac{1}{2}$  Quantities of sago swamp with some forest mixed in  
12.32 General change to much swamplier country upon approach Strickland. Grass an probably some tea tree in swamps (B)  
12.33 Two miles west of Strickland. is an old filled ox-bow now grass covered with trees encroaching (R)

- 11.13 stream hardly visible through forest (B)
- 11.14 stream 25 yds wide (C)
- 11.15 stream 25 yds wide, and house (T) whose entrance country out to in jungle  
along ridge (A)
- 11.20 small hills without definite direction. South country (B) forest canopy  
cast to west, not uniform, not all green. Very uneven surface. Besides  
various shades yellow and green, black shadows, gray of various shades,  
transverse and horizontal ridges and narrow moorings there to blackish (B) house  
and garden left (C). Mountains some of which are visible (T)
- 11.21 steeper ridge. Hill # 1 is 45 deg. house and garden in garden (B) foothills  
looking up. High ridge beyond only a little over.
- 11.22 Hill # 2 is 45 deg. house and garden left
- 11.23 creek, cutlet, 20 yds across (B) brown (C) flows west (A)
- 11.24 large river from east (A) river 25 yds wide clear water, flowing  
west (B)
- 11.25 Village (C)
- 11.26 Black River
- 11.27 Black river (over) 50 yards wide, brown whitish turbid, rapids cutlet (B)  
half flood, bottom more stream, opened course down river. White gravel  
bed top and small wooded island. At. black hill (B)
- 11.28 Junction Black with Rainier (C) takes drive grass in down (C)
- 11.29 Junction Rainier and Ty (A) below, junction big sandy island (B)  
following Ty downstream exploring for landing places on river. No ear  
course.
- 11.30 Two villages
- 11.31 scattered population. River fairly low. Some uncovered. Gravel banks  
and meads in places, but good straight line reaches (B) (C) (D)
- 11.32 Rogers says that for last 2 miles could have run through on stream. Village.
- 11.33 turned up Ty again towards Rainier Junction
- 11.34 from Rainier Junction into Ty proper were noted a straight reach.
- 11.35 remaining reach nearly  
very green
- 11.36 circled back above out of reach
- 11.37 Again over Rainier Junction (island in Rainier)
- 11.38 Spruce forest
- 11.39 Rainier Junction
- 11.40 house and scattered house east of river (T)
- 11.41 small river (B)
- 12.01 Village of 6 houses near egg swamp (B). Started out for dawn 1:50 dark and  
fog. Scattered population in these parts of country with eskimos along  
river on the ridge.
- 12.02 Elevated 40 yards high. (A) (B) (C) (D) (E) (F) (G) (H) (I) (J) (K) (L) (M) (N) (O) (P) (Q) (R) (S) (T) (U) (V) (W) (X) (Y) (Z)
- 12.03 Village. (A) (B) (C) (D) (E) (F) (G) (H) (I) (J) (K) (L) (M) (N) (O) (P) (Q) (R) (S) (T) (U) (V) (W) (X) (Y) (Z)
- 12.04 egg swamp (B) (C) (D) (E) (F) (G) (H) (I) (J) (K) (L) (M) (N) (O) (P) (Q) (R) (S) (T) (U) (V) (W) (X) (Y) (Z)
- 12.05 Village (C) (D) (E) (F) (G) (H) (I) (J) (K) (L) (M) (N) (O) (P) (Q) (R) (S) (T) (U) (V) (W) (X) (Y) (Z)
- 12.06 (A) (B) (C) (D) (E) (F) (G) (H) (I) (J) (K) (L) (M) (N) (O) (P) (Q) (R) (S) (T) (U) (V) (W) (X) (Y) (Z)
- 12.07 still surface forest with some small trees (B) No house anywhere  
Running into clouds coming from direction of coast. (B) Bearing directly  
upon low gap in horizon (B) (C) (D) (E) (F) (G) (H) (I) (J) (K) (L) (M) (N) (O) (P) (Q) (R) (S) (T) (U) (V) (W) (X) (Y) (Z)
- 12.08 (A) (B) (C) (D) (E) (F) (G) (H) (I) (J) (K) (L) (M) (N) (O) (P) (Q) (R) (S) (T) (U) (V) (W) (X) (Y) (Z)
- 12.09 (A) (B) (C) (D) (E) (F) (G) (H) (I) (J) (K) (L) (M) (N) (O) (P) (Q) (R) (S) (T) (U) (V) (W) (X) (Y) (Z)
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- 12.27 (A) (B) (C) (D) (E) (F) (G) (H) (I) (J) (K) (L) (M) (N) (O) (P) (Q) (R) (S) (T) (U) (V) (W) (X) (Y) (Z)
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- 12.39 (A) (B) (C) (D) (E) (F) (G) (H) (I) (J) (K) (L) (M) (N) (O) (P) (Q) (R) (S) (T) (U) (V) (W) (X) (Y) (Z)
- 12.40 (A) (B) (C) (D) (E) (F) (G) (H) (I) (J) (K) (L) (M) (N) (O) (P) (Q) (R) (S) (T) (U) (V) (W) (X) (Y) (Z)

Trip # 1

- 12.35 Little brown stream flowing southeast. (R) Mtn 90 degr E. (C)  
12.36 Peak 92 degr.  
12.36 $\frac{3}{4}$  Over Strickland river. Gray, dirty water. Gap not longer discernible.  
Open grass area near river. South side Strickland great swamps  
12.37 Peak 66 degr. mixed sago and grass, and pure open  
12.38 Peak 111 degr. forest stands, some tall slender gray  
tree (B)
- 12.40 $\frac{1}{2}$  River from 55 degr. Extensive grass for several square miles and pond to  
right (R) Some open water in swamps along its course, and some of the  
grass showing seems to cover dry land. Beyond forest, forest (B)
- 12.43 $\frac{1}{2}$  Peak 66 degr.  
12.44 $\frac{1}{2}$  Peak 69 degr. Heavy (C) scrub  
12.45 $\frac{1}{2}$  Peak 87 degr  
12.49 $\frac{1}{2}$  Peak 46 degr. Rands sketch of hills  
12.50 $\frac{1}{2}$  Peak 50 degr. Scrub right (C)  
12.51 Creek, winding muddy, in dense forest (B)  
12.51 $\frac{1}{2}$  Peak # 3 54 degr  
12.55 Peak 3 35 degr.  
1.00 Range # 3 13 degr.  
1.01 Small grass area parallel and to left (R)  
1.01 $\frac{1}{2}$  Small river  
1.02 Still along twisting brown creek. Small grass area to left  
1.03 - 07 Still following small creek. (C) Coming to edge of grass-lagoon  
country of Aramea (R)
- 
- 1.05 River 150 degr. Lagoons 8 miles to right (C) Lagoons, swamp with grass  
margins to left (R)  
1.06 Large lagoon. River to right of lagoon. Still following little creek.  
It joins another. Grass areas several hundred yards wide on bank. (R)  
This seems to join up with that from the west. (Fly,?) Grass swamp country  
extends but little farther east where forest begins. (R) Some parts  
with tea tree swamp forest with vine-covered tree trunks (B)  
1.07 Junction large river from 40 degr.  
1.07 $\frac{1}{2}$  Range #3 357 degr. River 200 degr.  
1.08 Crossing lagoons of Aramea region. Some of the grass about lagoons and  
swamps appear to cover dry land (B)  
1.09 Lagoon and swamp. Grass of some extent to right (R)  
1.10 Over forest with much sago. Occasional patches of grass (R)  
1.12 Swamp to left; lagoons and swamp to right (R)  
1.13 $\frac{1}{2}$  Extensive lagoon and grass left. River, wide winding, has appearance of  
canal (R)  
1.15 In midst of grass swamp of several square miles at least. Goes beyond sight  
(?) (R)  
1.16 Big lagoon to right ( $\frac{1}{2}$  X 1 mile). (R) ~~Village on lagoon (C)~~  
1.17 Passed swampy valley or two. Forest with bits of swamp on left. (R)  
Village on lagoon (C)  
1.20 Forest with bits of swamp. Fly in sight to right (R) Well in sight ahead  
(T at 1.18)  
1.22 Forest gives way more and more to grass swamps on approach Fly. Some areas  
dead tea tree forest (B)  
1.24 Area tea tree country in forest (R)  
1.25 One-house village and clearing (R)  
1.25 $\frac{1}{2}$  Village (C)  
1.26 on Left bank Fly Little mangrove here  
1.26 One mile below mouth of Bituri  
1.56 Over Daru.



Trip # 2. Daru - Lake Murray - Black River - Palmer Junction and back to Daru <sup>Daru R.</sup>

Observers: Rand (R), Brass (B), Champion, all bearings (C), Tate (T).

Archbold's log to be intercalated.

A.M. Seats in Plane: Brass left, Rand right, Champion right, Tate right front. (r. or l. below)

6.34 Left Daru

7.04 over Left bank Fly River

Above crossing red banks and few coconuts (B). Inland from banks open grass and Tea tree savanna with low, perhaps secondary rainfor st patches Beyond swampy, sago and rain forest with considerable grass.

7.08 Much open grass, probably mostly swamp but some dry savanna showing in rain forest of broken appearance.

7.04 to 7.09. Inland from banks very green grass swamp area running parallel to Fly. One to several hundred yads wide. Much grass country, some apparetly dry up to 7.09, where more wooded areas come in. (R)

7.10 Green grass swamp several squ miles (R.) Beyond more or less wooded to 12.05

7.11 Village (C). More and more grass. Rainforest reduced to small island patches (B).

7.12 (r) Started to cross lagoon, grass swamp and dry grass ? area but very little forest.

7.13 Village (C). Big patch newly burnt grass. Low ridges small creeks and few open ponds (B l.)

7.15 Burnt patches show that some open grass at least is dry. Everywhere up river for miles big lagoons and swamps connected with river by short creeks (B l)

7.17 ~~Crossed~~ Aramea.

7.18 ~~Cross~~ Wide swampy grass lands each side (B l)

7.20 Over wooded country (R r). Big rainforest. Swamps left behind except green lines along creeks going to Aramea (Bl)

7.20 to 7.47 ~~Remaining ridgy~~ All forest.

7.27 Bamu 80 degr. 5 miles away.

7.30 Over Bamu R. Winding. (R r) Muddy. Much sago in forest. Apparently some tea tree in more open green swamps (B l) Rain forest predominates.

7.35 Forest looks ridgy (C)

7.36 St ill foolowing Bamu

7.41 Small tributary to Bamu from 55 degr.

7.43 Little creek parallel to course, 3 miles to right (R)

7.43 Ridgy

7.49 Dome on Leonard Murray 50 degr.

7.50 Bamu below water jhidden under trees (B l) Small grass swamp (Rl)

7.51 Tributary from 50 degr.

7.53 Crater Lake (l) Drained by creek flowing down to Bamu. Two hills beyond lake (B l) Forest to edge. Shores higher than surrounding country (Rl)

7.54 Waterfall on Bamu. Leonard Murray 21 degr. 100 feet. (Rl)

7.55 Hill 3 miles left

7.56 Bamu 1 mile left (C) Two small gdns. Ridgy fore ted country (B)

7.57 Hill 90 degr. 40 to 50 miles (C) Bamu 85 degr from Leonard Murray

7.59 Leonard Murray 47 degr. 5 hills left (C)

8.0 Small open sided crater (T r)

8.0 Large Lake. 2 round hills beyond lower end (Bl) Lake edge grass and sago swamp. Much sago in surrounding forest. Outlet to Bamu from south. (C)

8.02 Steep precipitous valleys (C l)

8.04 S. shoulder of Leonard Murray 80 degr.

8.05 Large river to left. (C)

8.08 Dome 24 degr.

8.10 to 8.11 Long House and gardens (both sides)

8.11 $\frac{1}{2}$  Leonard Murray 110 degr.

8.13 Large river 70 degr. Sandspits (C) Gardens and population, big (Long houses) Gardens generally circular clearings like green pits in forest (B.) One garden fenced (B). Note: Similar to gdn claraings on Ok Mart but houses different.

8.15 River from 65 dgr (r) on (l) same river joins another (C) Large area of 2nd growth (scattered clearings) (R and B)

7.14 3.11 - Lake Murray - Black River - Indian Junction and back to farm

Observant land (A) - 1/2 mi. S. of Indian Junction (U), Lake (T)

Woods (A) - 1/2 mi. S. of Indian Junction (U), Lake (T)

7.04 Over left bank fly river

Above crossing red banks and first occurrence (B). Inland from banks open

Green and less grass savanna with low, perhaps scattered rainforest of grasses

beyond swampy, sedge and rain forest with considerable tree

7.08 Open grass, probably mostly swamp but some dry savanna showing in

rain forest or broken appearance

7.04 to 7.09 Inland from bank fly river grass swamp and rain forest

fly river to 7.09 Inland from bank fly river grass swamp and rain forest

7.10 Green grass swampy savanna and rain forest (B) beyond more or less wooded to 7.08

7.11 7.11 (A) - 1/2 mi. S. of Indian Junction (U), Lake (T)

7.12 (A) - 1/2 mi. S. of Indian Junction (U), Lake (T)

7.13 (A) - 1/2 mi. S. of Indian Junction (U), Lake (T)

7.14 (A) - 1/2 mi. S. of Indian Junction (U), Lake (T)

7.15 (A) - 1/2 mi. S. of Indian Junction (U), Lake (T)

7.16 (A) - 1/2 mi. S. of Indian Junction (U), Lake (T)

7.17 (A) - 1/2 mi. S. of Indian Junction (U), Lake (T)

7.18 (A) - 1/2 mi. S. of Indian Junction (U), Lake (T)

7.19 (A) - 1/2 mi. S. of Indian Junction (U), Lake (T)

7.20 (A) - 1/2 mi. S. of Indian Junction (U), Lake (T)

7.21 (A) - 1/2 mi. S. of Indian Junction (U), Lake (T)

7.22 (A) - 1/2 mi. S. of Indian Junction (U), Lake (T)

7.23 (A) - 1/2 mi. S. of Indian Junction (U), Lake (T)

7.24 (A) - 1/2 mi. S. of Indian Junction (U), Lake (T)

7.25 (A) - 1/2 mi. S. of Indian Junction (U), Lake (T)

7.26 (A) - 1/2 mi. S. of Indian Junction (U), Lake (T)

7.27 (A) - 1/2 mi. S. of Indian Junction (U), Lake (T)

7.28 (A) - 1/2 mi. S. of Indian Junction (U), Lake (T)

7.29 (A) - 1/2 mi. S. of Indian Junction (U), Lake (T)

7.30 (A) - 1/2 mi. S. of Indian Junction (U), Lake (T)

Trip # 2

- 8.15 Same gardens with thin partitions of primary forest between them giving impression of honeycomb pattern (R and B)
- 8.17 Creek many villages and continuing population
- 8.18 River 60 degr (C 1) Two new long houses (B)
- 8.19 Long houses, Villages, extensive gdns. Several small creeks (C) Rough ridgy country (R)
- 8.20 Still gardens pop. continues. Much regrowth. Grass or swamp 5 miles left (R)
- 8.21 Over forest. People scattered.
- 8.22 Numerous streams from 60 degr.
- 8.23 Large river 80 degr. Sandspits. Ridges parallel river. Heavy forested banks. (C) Rapids. Population ceases near river (B) River crooked; left population. Limestone other side.
- 8.25 Large river 15 miles left 225 degr. (C)
- 8.26 Smaller river with rapids (r) and broken limestone left (C) Deep gorge in limestone (B).
- 8.27 River in steep gorge from 65 degr. Pop. down river to left. Heavy forest (C)
- 8.28 Huge river 70 degr. Steep gorges. Population on north bank (C) Many clearings down river and away nw. (B) Big loop of Strickland (all of us) ship's course 320 degr. Flying parallel high ranges right (B)
- 8.31 Small pop. but scattered. some new gardens (B)
- 8.32 River left 343 at 20 miles (C) Still people
- 8.34 Huge river from 60 degr and junction with one from 55 degr. Gardens left (C) Rand's sketch shows a creek from nw entering river on right bank. Bluff s. of river (R)
- 8.36 Small lake, deep (r) below bluffs. Landslides. No sign pop.
- 8.37 Small stream (r). Second growth. Hills. Wooded bluffs. all wooded (R)
- 8.38 River right. Limestone cliff left. River below (B) Apparently block faulted limestone (T r) Widening of river (l.) at rock faces. Possible landslide
- 8.39 River flows around block mtn. (Dead trees standing in pools (B))
- 8.40 River right. Gardens (B 1). Still block faulting (T)
- 8.42 Rand's sketch shows ~~the~~ <sup>another</sup> river flowing to left, nearly over junction with branch to se, and one to ne (R) Branch to ne branches again in few miles. One branch nearly north. Two great gorges ~~left~~ (B) number of scattered gardens and one house (B r)
- 8.43 Strickland converging with course from sw (T)
- 8.47 Rand's sketch. Apparently following valley of stream (8.42). Bluff on left light green. Discovered stream flowing north, apparently rises close to head of stream (8.42) which turns left to Strickland at 8.47 (R)
- 8.48 Enter inner basin of Strickland over steep bluff or basin, immensely deep, curving from due east around to north. Bluff forms western edge of limestone mountain. (T and R) Over Devil's Race (B)
- 8.49 Strickland flowing 190 degr.
- 8.53 Strickland trending west (B). Very deep but rather short valley from right (T)
- 8.56 Crystal valley seen. Steep deep dark wooded valley with few gardens. Can see valley beyond which apparently widens and consists of more level cleared grass country, evidently secondary mtn valley grassland of 4 to 6000 feet. Clearing for gdns (R) Hoop pines (Araucaria) and Pandanus (B) on spurs.
- 8.58 Directly over Crystal Valley 47 degr. Immensely long and unusually straight. flow directly to Strickland. Wider several miles up valley.
- 8.58 Shifted course to W. Several small cleared places (R)
- 8.59 Blucher 235 degr.
- 9.00 Flying over flat limestone plateau. Bare rock showing through forest on top Pandanus plentiful all through forest. Appeared to be moss-forest formation (B) Sare 262 degr (C)
- 9.01 Large garden (r) (R) Clouds came down on Victor Emmanuel (r)  
Note: most of mtn tops clouded.
- 9.03 Flying up branch of Strickland. Village 10-20 houses high up sw side. Houses



Trip #2

- 9.03 (cont'd) appear thatched with Pandanus leaves (B). Branch of Strickland from sw (T)
- 9.04 Small river slightly to right (R)
- 9.05 Probably over Palmer-Strickland divide. Ridge parallel course on left (R) Beyond Tungom (not visible) and White river (R)
- 9.08 River at foot of Mabion (seen from left side) Probably Luap. Steep ridges (R) Second growth at foot of Mabion.
- 9.09 Over Mabion
- 9.12 Blucher 110degr.
- 9.12 $\frac{1}{2}$  Sare 320 degr; Karik 83 degr.
- 9.14 Over # 13 camp (C) Old gardens (R 1)
- 9.15 Note plane flew south out through gap between Blucher and Sare, and turned w.
- 9.17 Flying due W.
- 9.18 Small pop. on South slopes of Sare. Fly gap visible, "level" on port side (B) Note: The Narin river ~~river~~ enters Palmer 2 miles below camp "5" (Karius report) Champion says incorrect on map.
- 9.19 Outer ridge of Sare, parallel to it encloses small valley with outlet near western end, water probably to Tully. (T.)
- 9.21 ~~XXXXXXXX XXXX~~ Up gradual wooded slope terminating abruptly with nor-facing precipices of north face of Sare. Then changed course to east.
- 9.24 Following small river parallel with Bol between Bol and Sare, course 90 degg.
- 9.25 Over the divide which joins Dap range with Sare and separates Palmer-Luap basin from Bol basin.
- 9.29 Level with eastern end of Sare; landslide with limestone beds showing dip of 20 degr. (T) Turn S once more.
- 9.33 Over Karius and Champion # camp 6 miles below Blucher on bend of Palmer.
- 9.36 Over jctn Palmer and Black (B) Palmer muddy; Black clear though dark
- 9.53 Flying low about and below jctn with Black, followed Palmer down
- 9.55 Opp. Jctn Tully. Many forest tees in flower (B)
- 9.56 Due w for Ok Mart in search heavily populated country reported by Oroville people (B)
- 10.01 Crossed Fly over group islands. Mtn gate of Fly 13 degr.
- 10.03 Sevl scattered gdns and houses (B) Squat square houses supported on numbers of slender poles ten feet or more from ground (R)
- 10.04 $\frac{1}{2}$  Garden left
- 10.05. Garden (1). Many solitary houses and gardens scattered over hilly country. This population runs on to Ok Mart (B) Not dense pop. but people numerous
- 10.05 $\frac{1}{2}$  Gardens. Two villages
- 10.07 Sago (1) Ok Mart below (Black water river (T) Junct small r. from Fly side(B)
- 10.07 $\frac{1}{2}$  Villages
- 10.08 Villages. Ok Mart with fair current. Islands at intervals. Large pure stand of some tall grayish tree (B and T)
- 10.09 Forest
- 10.09 $\frac{1}{2}$  Small river with sw course
- 10.11 Hill 295 degr. Villages perched on ridge 3 miles n. (C)
- 10.13 Crossed ~~ridge~~
- 10.14 Two villages on bank of ~~Alia~~ heading back for Daru.
- 10.16 Village at 142 degr. Houses more scattered, mostly near sago. (B)
- 10.17 Two miles to right village. (C) Villages both sides (R) and garden clearings.
- 10.18 Village  $\frac{1}{2}$  mile right. Sago. (Course set by Rogers 142).
- 10.18 $\frac{1}{2}$  two houses. Village
10. 19 Village Houses well thatched with sago (B)
- 10.21 Loop on river Half mile wide.
- 1021 $\frac{1}{2}$  Crossed Fly at D'Albertis junctn. Pop. seems to cease south of Fly ~~un~~ Broken rain forest carrying many palms (B)
- 10.38 $\frac{1}{2}$  New stream strongly meandering. ~~Ridgeway~~ Characterless ridgy country since leaving Fly. Densely forested not so much Goru.
- 10.41 Same (?) river. Possibly Woodward's new river going to Lake Murray.



Trip # 2

- 10.43 Left above river (B). Small sago swamps.  
10.44 two domes 98 degr.  
10.45 Forest and sago left. Forest appears under water right (C)  
10.46 Good deal of sago in lines and small patches. Numerous little hidden creeks. Some of forest floor under water (B)  
10.48 Ridgy country. Much Goru and some sago. Extensive stands of tall light green tree with rounded tops. Saw same trees yesterday and again up Ok Mart today. (B) Hill #2 109 degr.  
Approaching Strickland near which are sago swamps of some size.  
10.49 Hill #3 119 degr.  
10.50 Hill #1 91 degr.  
10.51 $\frac{1}{2}$  Hill #4 124 degr.  
10.55 Strickland 3 miles left.  
10.59 Hill #1 70 degr.  
11.00 Crossed Strickland. Small amount of grass. Immense sago swamps. (R) North bank mostly grass swamp. S. bank immense sago forest nearly 2 minutes across. Scattered forest trees. Beyond the grass swamp a swamp forest dominated by a tall slender gray tree.  
11.03 River, tributary of Strickland 75 degr. flowing through grass and sago swamps (B) A twisting river with water brown (R) Beyond river unbroken rain forest (B)  
11.5 hill #2 69 degr.  
11.08 $\frac{1}{2}$  hill #3 69 degr. Creek almost completely hidden below (R)  
11.11 Hill #4 69 degr.  
11.12 Narrow rippling muddy river winding ahead through forest abt 210 degr.  
11.13. Hill #4 61 degr.  
11.14 $\frac{1}{2}$  River from 55 degr to 200 degr. 50 yards wide.  
11.17 Old garden  
11.19 Hill #4 45 degr. River 1 mile to right 205 degr.  
11.21 Sago swamp (R)  
11.26 $\frac{1}{2}$  Grass and Tea tree swamps  
11.27 Aramea from 15 degr. (C) "Large series of lagoons to right. about 6 miles" have been seen for some few moments (R) Small muddy river (B)  
11.28 Muddy river parallel with us and left. ~~Swamps far to right~~  
11.29 Open swamps with tall sedges. Narrow lagoons with dark water flowing e by s parallel with course.  
11.30 Parallel to river.  
11.30 $\frac{1}{2}$  Lagoons on left bank of river. also swamp grass. Right largely forested exc water indistance.  
11.31 $\frac{1}{2}$  Crossed river into country of lagoons and grass swamps small and large.  
11.32 Crossed Aramea. Lagoons 5 miles to right. At lower end series of big lagoons.  
11.33a Forest and sago to left; swamps right  
11.35<sup>a</sup> Little savanna (dry) (R). Ridges (B)  
11.35 $\frac{1}{2}$  Over forest but right and ahead lagoons and swamps.  
11.36 Across very long grass swamps, scattered trees and small forest islands, draining down to big lagoons on port bow (B) Lagoons and swamp one mile to right.  
11.36 $\frac{1}{2}$  Forest left. Swamps  
11.37 $\frac{1}{2}$  Tea tree swamps  
11.39 Crossed Aramea, winding between great open lagoons. Bamboos on some islands Big areas green sedge. Here and there red Azolla along margins of open water. (B) Apparently natural levees (R) Some islands forested.  
11.44 Passing out of swamp and lagoons to forest (R) Tea tree swamp forest (B)  
11.45 Open country grass and forest clumps tongues and fringes (R) Grass swamps containing areas tea tree swamp forest and scattered sago continue to interrupt rain forest. Probably grass swamps link Aramea with Fly at this point. (B)  
11.47 Considerable blocks forest but also open country.

10.45 left above river (B). Small cave seen.  
 10.44 two holes 28 days.  
 10.43 forest and hills left. For the upper water river (C).  
 10.42 Good view of river in distance. Small houses. Many of hills  
 covered. Some of forest floor water (B).  
 10.41 Right country. Much corn and some eggs. Extensive stands of tall grass  
 green tree with rounded tops. One saw three yellow and black  
 Kingbirds. (B) Hill 2 100 days.

Approaching a hill with some eggs of some size.  
 10.40 Hill 2 115 days.  
 10.39 Hill 2 91 days.  
 10.38 Hill 2 124 days.  
 10.37 Hill 2 115 days.  
 10.36 Hill 2 70 days.

10.35 Opened. (B) Hill 2. Small amount of grass. Immense egg swarms.  
 North bank was a grassy area. B. Hill 2. Immense egg swarms. Forest about 2 miles  
 west. (B) Hill 2. Forest grass. Beyond the grassland a small forest  
 dominated by a tall slender tree.  
 10.34 Tributary of river. (B) Hill 2. Forest grass and eggs.  
 (B) Hill 2. A twisting river with water brown (B) beyond river bridge  
 into forest (B).

10.33 Hill 2 85 days.  
 10.32 Hill 2 85 days. Grass almost completely hidden below (B).  
 10.31 Hill 2 85 days.  
 10.30 narrow dipping valley river crossing plain through forest and 210 days.  
 10.29 Hill 2 81 days.  
 10.28 River 1000 ft. to 200 ft. 50 yards wide.

10.27 Hill 2 85 days. River 1 mile to 200 days.  
 10.26 Hill 2 85 days.  
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Trip #2

11.48 Sago swamps in forest (R)

11.50 Less grass (only patches) more tea tree as approach Fly river. Higher country ? (B)

11.51 Mangrove edge for hundred yards or so from Fly (R)

11.52 Over Fly opposite Bituri. Area pale mangrove forest on big mud bank, contrasts strongly with big rain forest on north bank (B)

12.23 At Daru.

RING BOND

SUPER

11.25 At dawn. (a) concrete structure with dig rain forest on north bank (a)  
 11.28 Over ridge opposite Kiburi. Area late mangrove forest on ridge bank.  
 11.31 Mangrove edge for rhinoceros yard on ridge (a)  
 country? (a)  
 11.30 Pass grass (only patches) north side ridge as approach Kiburi. Higher  
 (a) leave in forest (a)



Trip # 3 Daru - Turama R.-Leonard Murray - Lake Marguerite \* west side Leonard Murray - Bamu River - Daru.

Seats in plane: Champion left, Brass left, Rand right Tate right front and occasionally r or l in rear cabin.

- 6.54 Left Daru  
7.12 S. bank Fly  
7.13 Over north end a long island mostly sago forest dotted round topped green trees. Note: Many island in Fly, some raised and thickly forested, some mere bare mud banks, others stocked up with low mangroves. (B)  
7.16-7.19 $\frac{1}{2}$  Over Kiwai. Mostly dense sago forest dotted tea tree. Patches tea swamp forest with mangroves, swamp forest and rain forest round edges. (B)  
7.22 S. shore Wabuda  
7.25 N. shore Wabuda  
7.29 N. shore Fly. Narrow fringe mangroves, then mixed community sago and grass on swampy ground. Quantity tea tree also (B)  
7.31 Belt tea tree swamp forest (B)  
7.32 Mostly sago with gass and tea tree )B)  
7.33 Muddy creek fringed with rain forest (B) From this creek big sago forest  
7.34 Sagoswamp mixed with rainforest trees (R) Plenty tall Pandanus (B) Hill  $\frac{1}{2}$  B. (T)  
7.35 Over S shore Dibiri. Mangrove and Nipa (Biri) forest fringing waterway (B) Long house west bank (B)  
7.36 $\frac{1}{2}$  N side of Dibiri, fringe of scrub ~~then~~ open sago (R) Patch Phragmites swamp in flower. Much tea tree besides rainforest and Pandanus trees (B)  
7.36 Hill  $\frac{3}{8}$  left (T)  
7.37 Dome hill 279 degr. Approaching shore. Forest trees coming in with sago (R)  
7.38 S. shore Bamu. Island right  
7.39 N. shore Bamu (T) Village left (C)  
Note: Flat swampy sago country, then wide belt browish forest, perhaps special swamp succession rain forest, with some sago and goru (B) Forest fringe to Bamu (R)  
7.42 Hill  $\frac{1}{2}$  left (T) Grass swamp break in forest (R)  
7.40-745 Forest (R) Still over swampy, rain (?) forest. Parts much sago (B)  
6.45 Range 324 degr.  
7.45 $\frac{1}{2}$  Gumu R 270 degr. Winding down from grassy swamps 3 - 4 miles up (B)  
7.47 Forest trees and sago 50-50 (R)  
7.50 Still over great flat brown forests. Swampier parts contain much sago as under-story. Few pure stands sago. One sago-making camp seen some miles back (B)  
7.50 $\frac{1}{2}$  River 60 yds wide (R)  
7.52 $\frac{1}{2}$  Hills 306 degr.  
7.53 Belt dense forest (R)  
7.54 Left side big lagoon dotted with islands two miles away. Grass swamps farther up, with crooked lane open water down middle (B) (nearer 7.56)  
Alt. 800 m. (T)  
7.55 Hill 331 degr.  
7.56 Right over river (R) Over long swamp, mostly covered green floating plants (B) Grass swamp east side. Creek through swamp (R)  
7.58 S. bank Turama. Two islands below. (Right) Generally same swampy forest with sago (B) Forest edge on river (R)  
8.00 Changed course to follow river 300 degr. Same brown topped forest. Much sago and still some showing below forest. (north bank) Some dry ground carrying dryer type rain forest up (ne) from river (B)  
8.02 over river again. Small island (R) Dark rainforest along river (B)  
8.03 Well developed range of limestone hills to right of course paralleling river (T)



Trip # 3

- 8.05 Murray (Leonard) 300degr. Brown fresh water swamp forest, intersected by patches and belts of dark green contrasting rain forest (B)
- 8.09 Creek 205 degr. Dominant brown tree of special swamp forest giving way and persisting only in patches through rain forest proper (B) Rand sketch of lower river
- 8.11 Leonard Murray 301 degr. Over river. River 300 yards wide 300degr., tributary 50 to 75 yards wide (310 degr). Junction here. House on bank (B)  
Note: following over left bank of main river.
- 8.13 ~~Over~~ Crossed river again with creek entering from left (south) (B)
- 8.14 Rain forest containing much sago with few garden clearings and solitary houses scattered through it (B)
- 8.15 House on left bank see Rand sketch (R) River tortuous with angular bends (B)
- 8.16 $\frac{1}{2}$  River 2 miles left of plane (R)
- 8.17 Hills 227 degr.
- 8.18 Hill 356; River turama from 256 degr.; Tate sketch of Darai Hills; of Mt. Leonard Murray showing just over the hills. River 4 miles left of plane (R)
- 8.19 Ground evidently rising. No sago, no visible signs population (B) Very long line low jagged mountains in distance to starboard (B)
- 8.20 River to left two miles (R)
- 8.21 River 3 miles (R)
- 8.22 River 5 miles (R) Low hills beyond
- 8.24 River to left the only break in great rain forest. Mount Champion 340 degr.
- 8.25 Cutting in on hummocky limestone (T) Little broken up hills (R) Conspicuous hill 15 miles right (R). River 8 miles to left (R)
- 8.26 Approaching limestone. Creek off limestone flowing sw (R)
- 8.27 Small river along foot of limestone (C) ~~Stream~~ Main Turama on left (B)
- 8.28 For some time along edge of plateau with river running parallel along its edge (B)
- 8.29 Passing along edge of limestone. Low hills, then plains sloping to port (B) Limestone forest of paler green than lowland rain forest (B)
- 8.31 Silhouette of many small hills of equal height 20 miles to right, apparently edge of valley (R) River 5 miles to left of ship (R)
- 8.32 Getting inside scarp, over hummocky limestone. Mist ahead. (T)
- 8.33 Just along edge of plateau which here drops 1500 feet to level plain of Turama to sw. Clouds beginning interfere here (Sketch R) Hilly rough limestone. Hills like hay-cocks one to five hundred feet high. No definite ridges (R) All forested. Mountains beyond (R) Equally pitted between the "haycocks" (T). Stream originating on plateau and flowing about due S. (T) Cloud field reaches only to edge of limestone barrier (B) Leonard Murray clear above cloud field (T)
- 8.37 Gilower (?) 26degr.
- 8.38 Along edge barrier. Leonard Murray few points off port bow (sketches by Rand, Brass, Tate. See also photographs taken later). River still winding along under edge Limestone. (B) To right same hilly country without break but definite ridges beyond.
- 8.40 Swinging to N. Course already 330.
- 8.41 Eight miles to right country drops away to river valley (R) (Kikori?) Tate's sketch showing end of limestone and L. M. beyond it.
- 8.43 Over limestone. Plane altitude 1700 meters.  
Leonard Murray summit a ring of jagged peaks around a central crater opening sw (B) West peak of Leonard Murray 290 degr. Upper slopes of Leonard Murray mossy forest, and scattered ~~large~~ bushy trees and shrubs, cling to sheer gray walls of crater. (B)
- 8.45 $\frac{1}{2}$  Mt. Ialibu 51 degr. still over limestone (T)
- 8.47 $\frac{1}{2}$  Omally Peaks 302 degr.
- 8.48 Many miles limestone plateau stretch to low range running parallel with main divide. (B) Gardens, 5-6 houses }  
}

- 8.05 Murray (Leeward) 3000 feet. Green forest, swamp forest, interspersed by patches and belts of dark green contrasting rain forest (B)
- 8.06 Creek 25 feet. Onward brown tree of special swamp forest giving way and persisting only in patches between main forest proper (B) Rain station of lower river
- 8.11 Leeward Murray 500 feet. Over river. River 300 yards wide 3000 feet. 110-120 yds to 75 yards wide (310 feet). Junction here. House on bank (B) Notes: following over left bank of main river.
- 8.12 Main crossed river again with creek entering from left (south) (B)
- 8.13 Rain forest consisting mainly with few patches of grass and solitary houses scattered through it (B)
- 8.14 House on left bank see head station (B) River + woods with regular bands (B)
- 8.16 River 2 miles left of plain (B)
- 8.17 Hill 250 feet.
- 8.18 Hill 350 feet. River turns from 250 feet. Late station of forest hills of Mt. Leeward Murray crossing just over the hills. River a mile left of plain (B)
- 8.19 Ground evidently rising. No signs of visible stone population (B) Very long line low jagged mountains in distance to eastward (B)
- 8.20 River to left two miles (B)
- 8.21 River 3 miles (B)
- 8.22 River 3 miles (B) low hills beyond
- 8.24 River to left the only break in great rain forest. Mount Chappin 250 feet.
- 8.25 Gutter in on hummocky limestone (L) little broken up hills (L) conspicuous hill 15 miles right (B). River 3 miles to left (B)
- 8.26 Approaching limestone. Creek off limestone flowing to (B)
- 8.27 Small river along foot of limestone (L) Stomach Main Turn on left (B)
- 8.28 For some time along edge of plateau with river running parallel along its edge (B)
- 8.29 Along edge of limestone. Low hills, open plain, almost to foot (B) limestone forest of clear green forest rain forest (B)
- 8.31 Silhouette of many small hills of equal height 20 miles to right, apparently edge of valley (B) River 3 miles to left of rain (B)
- 8.32 Getting further away, over hummocky limestone. Mt ahead (L)
- 8.33 Just along edge of plateau which has from 1500 feet to level plain of turns to sw. Florida beginning limestone here (Green B) Hill rough limestone. Hill like key-look one or five hundred feet high. In limestone ridges (B) low forest limestone (B) small patches between the limestone (L) limestone beginning in patches and finally forming a low ridge of limestone (B) limestone (B) Leeward Murray clear edge about 1500 feet (L)
- 8.34 River (B) 250 feet.
- 8.35 Along edge barrier. Leeward Murray low point off port bow (leeward) by hand. Trees, later. See later (leeward). River still winding along water edge limestone (B) to left some limestone. Almost plain but limestone rises beyond.
- 8.40 Turning to N. Course slightly 250 feet.
- 8.41 Eight miles to right. Small hills, to river valley (B) (leeward) Table's sketch showing end of limestone and L. beyond it.
- 8.42 Over limestone. Limestone 150 meters.
- 8.43 Leeward Murray summit a ring of jagged peaks across a central crater opening to (B) West peak of Leeward Murray 250 feet. Upper slope of Leeward Murray mossy forest. Low scattered forest trees and shrubs. Climb to upper gray walls of crater. (B)
- 8.44 Mt. Leeward 21 feet. Hill over limestone (L)
- 8.45 Gully Leeward 200 feet.
- 8.46 Many miles to west. Limestone crossed to low range running parallel with main limestone (L)

Trip # 3

- 8.52 Leonard Murray 357 degr (ship); Champion's compass 64 degr.  
8.52½ Large river from NW (T) (Kikori?)  
8.53½ Still over limestone (T)  
8.54½ Sighted lake. 13 degr.  
8.56 Omalley Peaks 302 degr.  
8.57 Scattered gardens (C). Limestone ridges 110 degr.  
8.57½ Eight houses in valley behind ridges (C)  
8.58 Big river flowing through middle of plateau, opening up in valleys (Kikori,) Lot of swamp and sago in valleys Houses scattered round sides. Limestone runs in parallel ridges straight across our course (B) Forested, non-hummocky flats to se (T) Valley fairly well populated (R) Swamp is grass swamp without houses, few trees in it.  
✓ 8.59 Lake sighted ¼ left. Ridges of limestone; valleys perhaps not. Drainage all to se between parallel ridges (T) Two housea and gardens (C)  
8.59½ Ridges bear 120 degr.  
9.00 River 128 degr.  
9.02 Lake left.  
✓ 9.03 Over end of lake. Steep valley to right 130degr.  
✓ 9.05 Promontories into lake with steep sides; houses at se end; house on island; Limestone country, but the ~~hummocky~~ limestone well back; ne shores flat. (T) sw side steep; west end with large flats.  
9.06 circling to fly up ne side.  
9.06½ Gilower 306 degr.  
9.07½ Leonard Murray Mts 243 degr.  
9.09 East side of Mt. Leonard Murray 314 degr. Over parallel trough valley north of lake, close to it. River winding down center. Patch sago. Few houses. Large flat areas light brown swampy forest (B)  
9.10 Mt. Hagen 33 degr.  
Basement apparently reached at lake level and in nearby valleys; or else interior valleys filled with limestone silt (T)  
  
9.11 Steep valley from 320 degr.  
9.12 Swinging towards Leonard Murray. Opposite junction of two rivers coming from nw into valley (of 9.09) River flows away from Strickland. Water sluggish, green  
9.13 River 320 degr. Mt. Champion due right.  
9.14½ Over large river from 316 degr.  
✓ 9.15½ to 9.17 Occupied in crossing nw end of lake. two rivers go into lake from 300 degr. (C) Crossed above village 19 houses (women), and one long house on island, small out houses scattered under trees around village. Canoes on lake. Number of gardens both shores; some in open clearings, others half concealed under trees. Lake very deep; small patches pale green water close under south shore. South shore steep sloping, rather thinly wooded. Few exposures white rock. North shore also steep but fringed with grass meadows. Extensive grassy swamp at western end. Two long houses on small grass edged creek at eastern end. (B) Size of lake about 3 miles wide and ten miles long. Southern end with flat grassy areas. Creek flowing, meandering, probably into lake. (i.e. se end R) Alt. plane 3000 m. Altitude of lake estimated from 2000 to 3000 feet.  
9.18 Leonard Murray 250 degr.  
9.19 Over small river. Bridge ? River flows from large swamp parallel top end of lake. Heading for Murray over parallel ridges limestone (B)  
9.20 Huge gorge 310 degr (C) Ryan or Kikori (?) Tari Furoro valley (?) from 310 to 350 degrees. Village and gar dens. Offset of Kikori gorge  
9.22 Country between lake and Kikori series of parallel ridges parallel with lake. Ridges broken limestone. Number gardens.

- 8.23 Leaning Hurry 250 deg. (ship); limestone's compass 84 deg.
- 8.22 Large river from Mt. (Khorri)
- 8.21 Still over limestone (T)
- 8.20 Sighted lake, 13 deg.
- 8.19 Small lake 302 deg.
- 8.18 Scattered gorges (C); limestone ridge 118 deg.
- 8.17 Right houses in valley behind ridge (C)
- 8.16 Big river flowing through middle of plateau, opening up in valley (Khorri); lot of swamp and bog in valley; houses scattered round river; limestone river in parallel ridge starting across our course (E) Toward, non-mountainous lake to be (T) Valley fairly well populated (T) Swamp is grassy swamp without houses, few trees in it.
- 8.15 Lake sighted 140 deg. ridges of limestone; valleys between are drainage all to be between parallel ridges (T) The houses and gardens (C)
- 8.14 Ridge near 120 deg.
- 8.13 River 128 deg.
- 8.12 Lake left.
- 8.11 Over end of lake. Steep valley to right 120 deg.
- 8.10 Promontory and lake with steep sides; houses at top of hill on plateau limestone country, but the limestone well built no houses (T) as side steep; west end with large lake.
- 8.09 crossing to left up the side.
- 8.08 Lower 302 deg.
- 8.07 Leaning Hurry 248 deg.
- 8.06 East side of Leaning Hurry 214 deg. Over parallel rough valley north of lake, close to it. River winding down center. Fairly good. Low houses.
- 8.05 Large flat stone light brown heavy forest (B)
- 8.04 Mt. 25 deg.
- 8.03 apparently reached at lake level and in nearly valley; on else interior valley filled with limestone hills (T)
- 8.02 Steep valley from 250 deg.
- 8.01 Swinging towards Leaning Hurry. Question junction of two rivers coming from in two valleys (of 8.03) river flows away from (Khorri) water
- 8.00 Mt. 250 deg. Mt. 250 deg. the right.
- 8.99 Over large river from 218 deg.
- 8.98 to 8.97 Occupied in crossing in end of lake. Two rivers go into lake from 300 deg. (C) (Crossed above village is house (woman), and one long house on island, well out into scattered water, there good village. Gorges on lake. Number of gorges down shore; some in open clearing, others half concealed under trees. Lake very deep; small patches pale green water close under south shore. Some shore steeply rising, rather thinly wooded. Few patches white rock, with also steep but fringed with grass meadow. Limestone grassy slope at western end. Two long houses on small grassy edge of eastern end. (B) Size of lake about 3 miles wide and 2 miles long. Cobble and thin grey sand. Creek flowing in mountain probably into lake (see 8.04 R) Mt. 250 deg.
- 8.97 of lake estimated from 2000 to 3000 ft.
- 8.96 Leaning Hurry 250 deg.
- 8.95 Over small river. Bridge? River flows from right swamp parallel top and on lake. Heading for Hurry over limestone ridge limestone (B)
- 8.94 huge gorge 210 deg. (T) from or Khorri (T) that narrow valley (T) from 210 to 250 degrees. Village and garden.
- 8.93 of Khorri gorge
- 8.92 Country between lake and about course of parallel ridges parallel with lake. Ridge broken limestone. Upper gorges.

Trip # 3

- 9.27 Crossed Kikori. Looking upstream: two wide shallow reaches filled with sandy islands, with gorge between the two reaches. Bends to northeast upstream Originated in gorges shot by Champion at 9.20. Offset possibly due to faulting. Downstream: One sandy reach including an island almost under us, just below a tributary entering river from slopes of Leonard Murray. Beyond that place river appears to narrow. ~~"Large river from 250 degrees from slopes of Leonard Murray"~~ River from 250 from slopes of Leonard Murray.
- Looking ahead at Leonard Murray, long regular slopes with radiating valleys deeply cut, spreading out fan-wise. The ridges with regular tops, crests moderately sharp.
- 9.30 Scattered houses on Leonard Murray slopes (B) One village at least on crest of ridge (R)
- 9.32 Leonard Murray cone half left
- 9.33 Garden (C)
- 9.35 Alt. 3200 meters (ship) Slightly above level of crater
- 9.36 beginning to circle
- 9.38 Leonard Murray below (This represents highest point of flight and was where we photographed down into the cone and had the southeast gap opposite us). Lake Campbell (now named for first time) seen  $\frac{1}{4}$  right/
- 9.40 leaving cone (B) Narrow streams glittering far down on sides of Mt. L. M.
- 9.42 Waterfall (by Crater Lake) first sighted dead ahead. Ships bearing 200 (near S). Lake Campbell abeam. River 4 miles away 220 degrees
- 9.43 Ships bearing 200. Several rivers running off slopes of Lake Murray and spreading out fan-wise. (B and R)
- 9.45 Below ship 3 clearings, wide apart. Two with one house and one with seven houses. (B)
- 9.45 $\frac{1}{2}$  House and clearing (C)
- 9.46 Bearing due S (ships compass)
- 9.47 Village and Long house right (C) River four miles right running south
- 9.47 $\frac{1}{2}$  Waterfall  $\frac{1}{2}$ -right (T)
- 9.48 Under ship two river coming down from Leonard Murray, join. Several more houses (B)
- 9.49 Alt. 3100 m. River two miles left 170 degr. winding course.
- 9.52 same winding river to port. No population either side of it (B)
- 9.55 Timbered swamp, open, just off west bank of river to left (B)
- 10.05 Bamu estimated 8 miles to west (C and T)
- 10.02 Tributary of Bamu originates on ridge between Bamu and Awarra, runs south. Note: No population seen since 9.48 (B)
- 10.06 $\frac{1}{2}$  Village with 3 houses and old gardens left (C)
- 10.08 Village left, River (Awarra?) trending southeast (C)
- 10.10 Many small swamps through forest, and occasional houses as we approach river (B)
- 10.12 Bamu close under us.
- 10.13 Cross Bamu. Alt. 3200 m. Tributary from sw where Bamu changes direction from south to southeast.
- 10.14 Ship course changed to se. Some sago areas in forest, and for several mile out ~~sur~~ both sides river many patches swamp forest and grass swamps dotted with trees (B). Aramea basin begins close (within few miles) ~~of~~ the southwest margins of the Bamu. Swamps 140 to 170 degr.
- 10.16 Below us a village of several houses almost hidden under forest (B) ship 160 $\circ$
- 10.17 Dry forest at divide probably indicates slight elevation of land (T)
- 10.19 Changed course to follow river towards coast (B) Long house and several small ones in forest (B) Aramea lagoon ten miles away 130 degrees (C)
- 10.20 Ship bearing 130 degr.
- 10.21 Big oblong house with wide grassy track leading away on two sides.
- 10.24 Long grass swamps in forest (B) and before that grass patches having appearance of old gardens.
- 10.28 Crossed ~~Bamu~~ (T) Lagoons of ~~Bamu~~ Aramea reaching in from sw almost under ~~x~~ ship; then wooded country until near junction of Bamu where Aramea was again bordered by swamps.



Trip # 3

Altitude of ship 3100 meters

- 10.30 Lagoon. Changed course for Fly river and Daru
- 10.31 Lagoon and Rivers. Village (C) Sago swamp (R)
- 10.32 Over great grass and sago swamp which occupies much of the land area between the Bamu and Fly. Fly in distance ahead (B)
- 10.34 Large village (C)
- 10.35 Good deal of dark rain forest among grass swamps and swamp forests (B)
- 10.38 N. bank Fly river.
- 10.44 S. bank Fly river. Altitude of ship down to 1700 meters
- 11.02 Over Daru
- 11.06 Down on water.

# TIME BOOK BOND

Trip 3

11.00 Down on water.  
 11.00 Over land.  
 10.40 3. Park by river. Distance of 2.5 hours for 1000 meters  
 10.30 4. Park by river.  
 10.20 5. Park by river.  
 10.10 6. Park by river.  
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 99. Park by river.  
 100. Park by river.

Note:- April 10, 1936. I am to-day writing notes for April 2nd. to today inclusive.

April 2, 1936

In the morning I worked on the radio to try and get a more convenient layout for the radio. The rest of the day was spent in laying out and in getting camp settled.

April 3, 1936

The day was spent the same as yesterday. I had some difficulty on account of static to make contact with port but got through. At six the Vialala came in and we thought that the Ronald would not be in till the morning but after supper Willis' boy turned up saying that the Ronald was in. We put up a hoist to hold the generators spare motor and the developing outfit. I received port all right but apparently they could not receive me.

April 4, 1936

We got up at ~~###~~ daylight to get an early start at discharging the Ronald but did not succeed in getting her to come along side the wharf until seven but never the less we got everything onto the wharf by lunch and a lot of it moved up to the house by four when we knocked off for the day. In the excitement I forgot about the radio schedule with Port. I set the cooler up but found that a pipe connection had burst that I could not fix. Rogers and crew came back just before we sat down for supper having had a grand time.

April 5, 1936

Rogers got the cooler to working about eight and by one the water was cold enough so that I developed the film that we took between Dogwa and the Fly River. The film came out all right though there was some movement in ~~the~~ some of the pictures caused by the rough air. Rogers made a test flight and found that we were losing one hundred and forty hours. He suspects the gas and I got a telegram off to Vacuum Melbourne to find out if they sent us 87. We have had to postpone all flight until we can find out what is wrong.

April 6, 1936

I developed the section of the role taken of Lake Marquerita and Mt. Leonard in Murray the came out fine. In the afternoon I developed ~~the~~ several of the ~~the~~ and Contax pictures of the rest which came out fair I had a little trouble in loading one of the spools.

April 7, 1936

I developed in two batches the remaining films one got badly stuck up when the ~~next~~ motor for winding the film fell into the water. The afternoon was spent in cataloguing the films.

April 8, 1936

Very little of note for today. It was mostly spent in wiring up various things and in getting ready for tomorrow. Juelsted insisted on wasting most of the morning with the wiring instead of doing as I told him get the radio set for tomorrow. He had to work most of the night.

April 9, 1936

I came on to rain a little after six and rained quite hard till almost nine. which was a help to Juelsted who found that something was wrong with the radio. We got away about ten and had lunch in sight of Daru and were little farther by night fall. At five o'clock I set up the receiver and through a lot of noise I picked up only once Juelsted talking to Port, I shut down as I noticed the motor was throwing oil. I started up about six fifteen to tune the transmitter when I found that there was something wrong with it I took it out of the case and found that there was tissue paper stuck to the oscillator coils also the bracket was loose and when I tried to put it back it jammed so that I had to work it out of the case. I never received them again. so I do not know.



Monday April 20, 1936

6:00 VHW9 will call VHW8 for ~~xi~~ five minutes

6:05 - 6:15 VHW8 to call

6:15 \* 6:20 VHW9 will call

6:20 \* 6:30 VHW8 will call

6:30 - 6:35 VHW9 will call

6:35 \* 6:45 VHW8 will call

*OK*  
*4:15 - 22*  
*did not receive this for*  
*6:20 - 6:30 VHW8 will call*

Tuesday April 21, 1936

6:00 - repeat last evening procedure signing off at 6:30

1:00 - repeat as for six A.M.

6:00 - repeat same schedule

*Cancelled*

If there is any hitch or failure Rogers and Juelstedt to go to  
Port to arrange for A. W. A. set.

THE BOOK BOND

if they heard me or not.

Note the following notes written on April 17, 1936

April 10, 1936

A nice breeze sprung during the night from the N. W. and continued till sundown though towards evening it was little better than nothing. We got almost to the reef at about two o'clock when we decided that we could not make it and get back to-day so we returned. Rogers in the plane came out and looked us over about eleven. We saw seven fishing boats that were anchored by the reef (Warrior) but we never got that far. Last evening we saw a dugong just as we were going to anchor I forgot to include this in last night notes, also ~~xxx~~ this morning we saw a number of turtles, mostly splashes. As we approached Bobo reef we came up to flocks of birds feeding above schools of jumping fish, we took the dingy and ~~xxx~~ rowed out and Rand shot two boobies and a petrel?. We had no trouble keeping up with The Pitt. We also took an excursion on the ~~shirk~~ reef but it netted nothing though the boys speared several small sharks and another fish. We drifted into Daru about eleven. The Doctor and Myself came ashore while Rand stayed aboard.

April 11, 1936

A rainy

Note:- The following notes not written till April 22, 1936

day Spent working on the ~~z~~ radio. Take took the field set out to Beeches farm and had a try at working base but had no luck.

April 12, 1936

Juelsted and Tate went out to the farm and had little better luck. We got them but they did not get us. the resto of the day was spent in discussing the possibilities of the radio. We decided that we would get another, different, set for the plane also get a boat to take the party up the fly instead of using the plane.

April 13 - 16 1936

During these days I was busy working on the ~~xxx~~ voltage divider for the field set and did not get it finished to try till the afternoon of the 16th. a plane came over from south afterwards we heard it was an air force plane going to the other Territory I think the set will be better now though I am not satisfied with the strength mechanical of the high tension leads.

April 17, 1936

Rogers and Rand Came back from port about noon bringing Adamson with them. there was little else doing all day

April 18 - 19, 1936

Spent in assembling a receiver so that I could take the transmitter and receiver out to the reef. Rogers brought the harpoon gun with him so that we are taking it.

April 20, 1936

We did not get away till about eight. The wind was quite fresh from the S.E. and we got out to the reef in good time but we did not see anything except a few bunch of ~~xxx~~ birds till we were starting to go through Wapapassage when we saw two porpoise but they did not come close enough for a try. It took the combined efforts of the engine and a good breeze to make any headway and then some times we were actually going backwards the current in the center must have been at least seven and possible as high as ten. when we got to eastern entrance we anchored in nine and a half fathoms about fifty yards off the reef and we went ashore and had some fun ~~fi~~ spearing fish at least I did Rand took his gun but did not see any desirable birds and few others. we came back to the ship and I set up the radio and had a successful schedule with ~~port~~ Daru. I had difficulty in understanding them as first there was another station on top of them and second there was a lot of static. During the day I decided finally to get one of the A. W. A. sets for the field instead of ours. so I told Juelstedt to go to Port to get it with Rogers. We put a fly over the deck and slept on deck. we had one light shower during the night but it did not bother us.



The following notes written on ~~XX~~ April 24, 1936

April 21, 1936

The morning was cloudy in fact all day we had only occasional bits of sunshine we got into some quite heavy rain in the middle of the morning and we had no luck with Porpoise or anything except some birds. The wind was blowing quite hard and we would have had great difficulty harpooning anything that we saw; if we had seen anything. The Bari Vari's deck leaked badly and while nothing got we everything was damp. About three or a little before we anchored by a sand bank that had some mangrove trees which ~~were~~ are used by sea birds and reef herons as a roost during heigh water.

we went ashore and tried shooting some with moderate sucess. The reef-herons were very shy and would not let one get within easy range, I amde a lucky shot using the 22 with the telescopic seight at  $\pm 200$  yds. and got one heron there were aparently two species a large and a small. Rand got several terns or petrels. when we got back to the boat we decided to give it up and returned to Daru in time for supper.

April 22, 1936

Heard ~~VIG~~ 4PM anounce during morning broadcast that VIG would call at 8:55 We made contact at that time and tested the new transmitter it was not so clear on this contact We made two more schedules on at ten thirty and the other at 5:00. The last was the best though he seemed to shift frequency . I did little excpt radio all day as it broke up the day so badly.

April 23, 1936

Spent the same as yesterday for some reason I cannot remember anything about the morning schedule. In the afternoon ~~at 5:00~~ I started up at four thirty but did not get the motor for he generator started till 4:45 when I broadcast for take a mesage that the Chief would not get in and that the Vari Vari would be unable to keep to schedule but I was wron for the Chief came in about five ten I shut down a five and listened for VIG or VHW9 till five twenty when I picked them up on the tail end of a me sage for Port Romilly. I had some trouble ~~in~~ getting the motor started for about five minutes and just bef re I did VIG seigned off till six. I gave him a call but he did not answer. I lestened from six till twenty past but he did not come back. I had a rather poor ~~diner~~ Diner party with rather more than I liked for drink consequently I went to sleep.

Note:- The following notes written April 26, 1936

April 24, 1936

I made not notations till the 5:00 oclosk schedule . At the ~~XIX~~ 5:00 oclock schedule I had dificulty understanding him but what I got was to the effect that he would call me in the morning I was not sure whether he said eight or ten I heard him say first ten then eight. The Chief left about ten and was still in seight eight miles to the East at sundown

April 25, 1936

I listened to ~~XX~~ 4PM then to VIG with attempes to get the small set every five minutes till VIG saigned off till Monday then for the small set entirely till nine oclock ~~then to 4PM in the afternoon~~ then again from ten to eleven (10:05 - LL:01) then to 4PM. I just was turning off the reciever after 4PM signed off when he came back and asked for a schedule immediatly. We made contact but had difficulty understanding each other aparently Juelstedt was operating. We tried again at five with a little better sucess I could understand Mr. Frank but Juelsted I couldn't his sugestion about the ear-phones I had been trying all along but had found that many ears were better than one. I do not understand what could be wrong with my modulation though last night it might have been the batteries as I was running the set quite a lot. reports from other stations here was that my power dyed down but that I was clear. No one here could understand port We are still in doubt about the future movements of the Plane and the Meira. As I have it now the Plane leaves Monday time ? (morning is all) the Meira daylight Tuesday. They want a schedule for eleven Sunday.



The following notes written April 28, 1936

April 26, 1936

As VIG was a ~~little~~ little late Tate arrived in time to take the eleven oclock schedule. We had another test of the small transmitter at five and it seemed to be working allright but from what we ~~ex~~ could tell here its frequency went all over the place. Information had it that Rogers was leaving tomorrow and that Juelsted was coming on the Meira. We had very heavy rain all yesterday morning and improving in the afternoon. To-day the weather was fine and hot.

April 27, 1936

Made contact with VIG at eleven and found that Rogers had decided to wate to test the D F. the rest of the day was spent it preparing for the inland trip in the afternoon i helped Beach make a camp oven out of two drums. The five oclock schedule did not materialise I did not here them at all.

The following notes write May 9, 1936

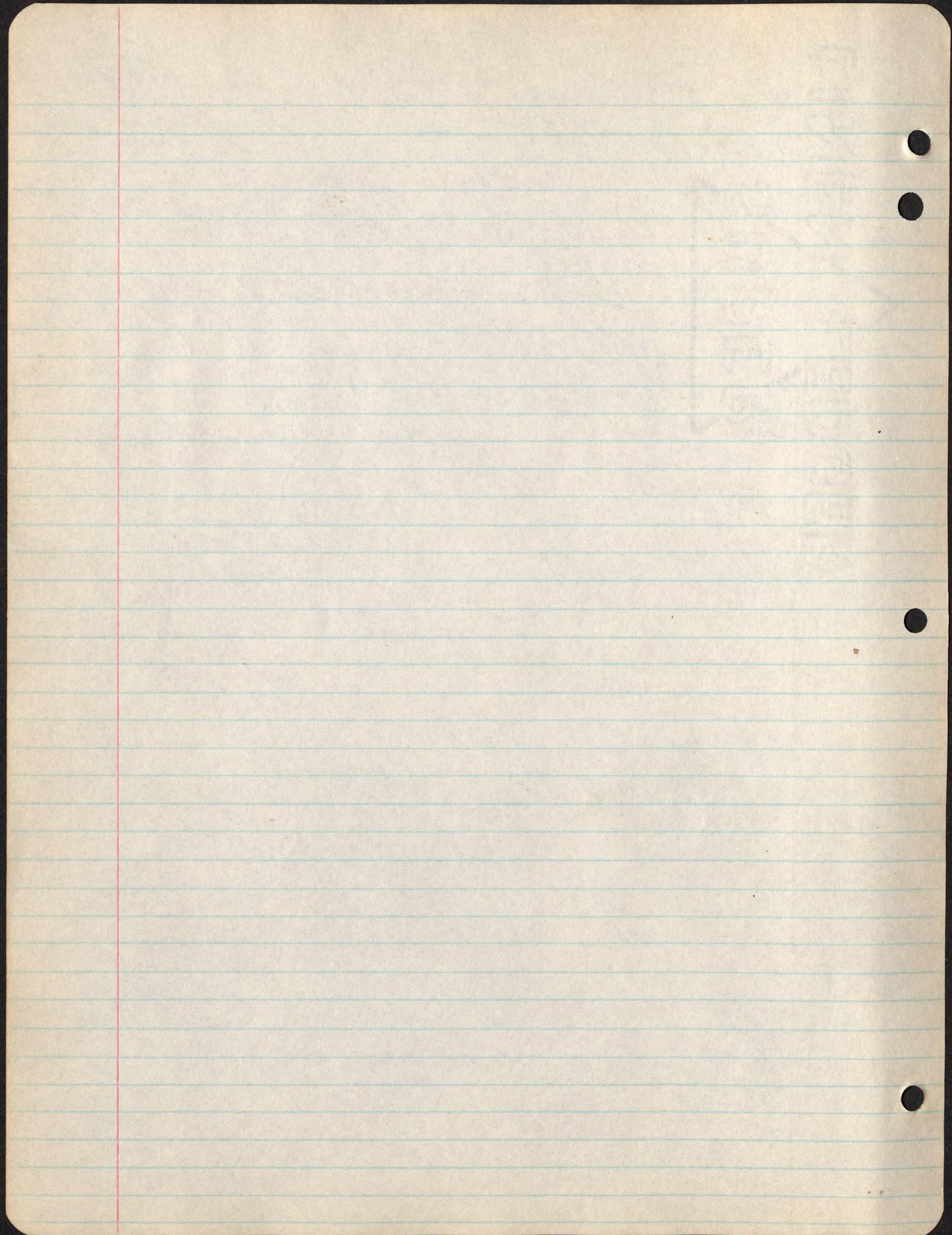
April 28 - May 9, 1936

As i can not remember what happened on which day I am writing just what I can remember without any regard for sequence Rogers came back I think on the 28th and we were very busy till the Meira sailed on the 2nd the loading of the boat whent very smoothly I think it was the 3rd when we went in and had a look at Mt. Blucher and the Fly River. We made a landing on the river and had no trouble except that we ran onto a sand-bank, which luckily did no damage except remove some paint. The next day was occupied with painting the bottom and gassing, I see I have lost a day some where for yesterday we made an attempt at getting in but were stopped by low clouds. We went and landed at Lake Murray again in the hopes that the weather would improve but it did did not sonthat we came back after having spent about an hour on the lake. We b ught a great number of arrows but saw few ~~boys to borrow~~ bows though one canoe that came up from another village had some. I was in the act of trading my knife for a paddle, that was nicely carved and a drum when they suddenly for no reason that we could see they buzzed off. We got stuck and ~~also~~ also we got a flat tire when we tried to come up on the ramp so that we had to wate another day. I did not go with the plane as Juelstedt went along to take a look at Tate radio and as they had extra swags I did not want to load the ship too much. I have heard over they radio that they have been quite sucessful. They found the Meira and left Rand, Willis and Healey.



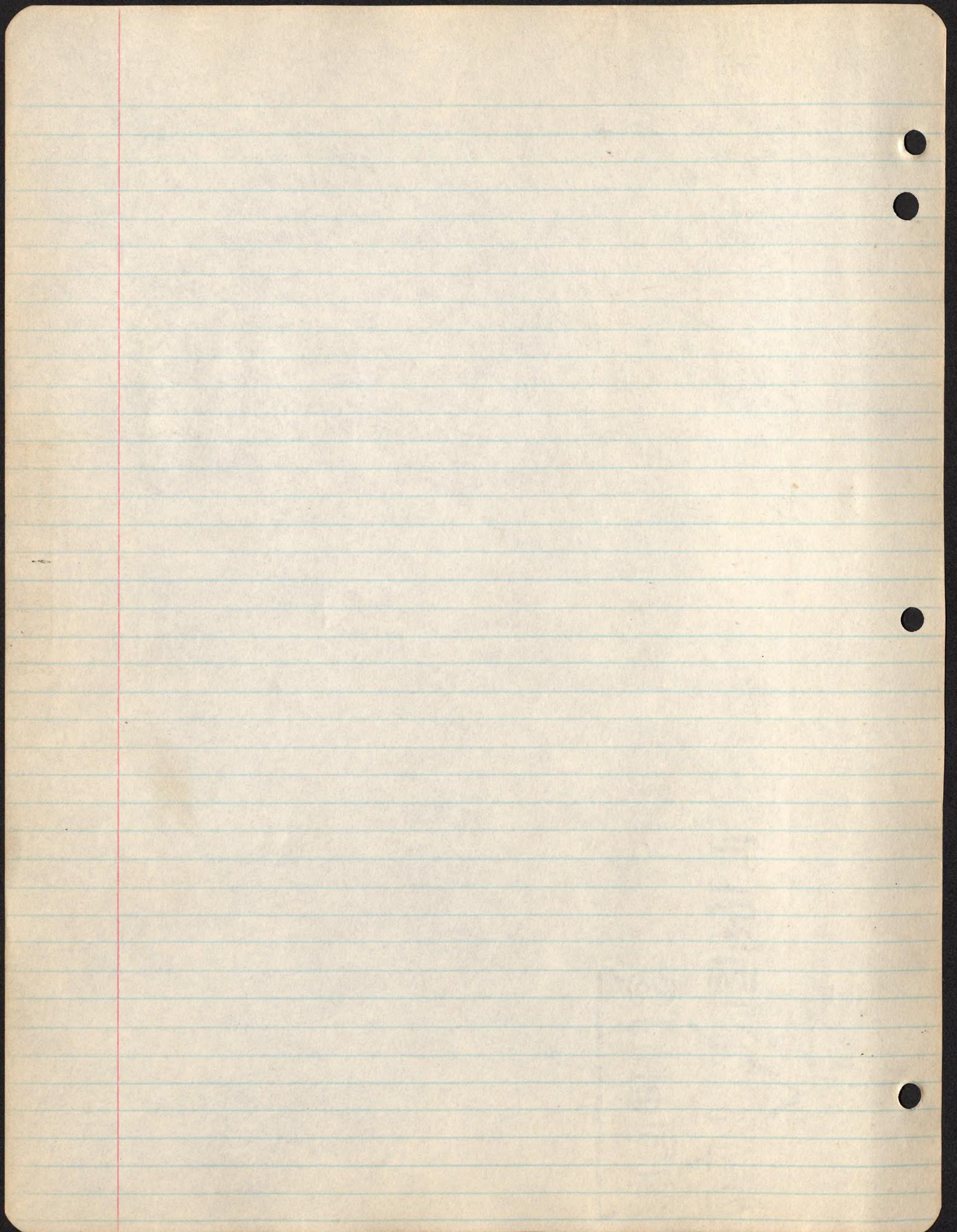
June 26 1936

May 9 1936 was the last time that I have written and a lot has happened since I can't remember all the dates. Camp was established about May 15 which was visited by us about that time as there was some trouble with the radio motor. ~~our next trip~~ we made another trip for the radio & supplies removing one of their boys who had had his bag washed away by flood & discharge. On June 4 we made an attempt to get off but our tent was swept away and we were delayed a day coming up on the fifth we located Healey camp below the Black river junction after looking at the 610 mi point without success we had a try at landing which was successful after we decided that the camp area was not large enough to drop. Willis with most of the boys was ~~at~~ camp about two hrs before we decided that the river was O.K. for landing & had Willis establish permanent camp. We stopped at Palmer Junction Camp to confirm these developments we returned to Dura and loaded the next day returning to Black River Camp on the second day. we had some difficulty in getting a line across but succeeded. Al Hall Russ alone made a number of trips till the flap control broke. I went with him after that and we finished the second day transferring ~~all~~ of the supplies and returned to Dura on the third day. During the interval we were very busy fixing the ship & building the chassis for the radio & developing films. As the southeast has come to blow quite hard we have had to go to the snow to take the load off. We made one trip to mt Blatcher & delivered 10 days food. We had once in in schedule and got



ready to start for Blata Mabwin when we  
secured radio holding us off on the 22<sup>nd</sup>  
on the 23<sup>rd</sup> we made an unsuccessful attempt  
to get in and returned after a very bad  
try. we could not get gas in in time  
to get off the next day we made another  
try on the 25<sup>th</sup> but were again prevented  
by clouds this time as we were under them  
instead of on top we landed at the Blue  
River camp where it was decided to  
send that in with the radio. We saw  
shifted loads & are waiting for change in  
weather to go on.

June 27 1934



Negatives  
1936 N.G. Exped.

Negatives  
1936 N.G. Exped.

1936 N.G. Exped.

Aero Film Taken on R 1936 New Guinea Exp'd

also other flat film

- 1-64 Papua. Western Division  
Series starts with Dogwa runs accross Oriomo River to to Mouth of  
Fly taken at about 200 m. height/1/100 sec. A2 picture taken every 6,sec.
- 65-88 Papua ~~#####~~ & Delta Division#  
Series started ## as Aeroplane Approached the southeast corner of  
Lake Marguerita continue around then along Norther shore aeroplane climbed  
from 2,500 to 3,000 m.
- 89-97 Approaching Mt. Leonard Murray from West alt. 3,000 to 3,100 m. no set interv-  
al
- 98 Papua Western Division Mabaaduan Taken by L.J. Brass, Swoing Mandgrove  
Showing Mangrove forest fringing shore at mouth of Pahoturi River  
Foreground Rhizophora meucronata beyond, this speeies with Sonneratia  
Alba Sailing canoe beached amongst mangroves.
- 99 Same as 98
- 100 Same heading as 98  
Mangrove forest of Rhizophora meucronata and R. conjugata fringing  
Pahoturi River
- 101 Same as 98 Mabaduan  
Village Showing granite shore Canoe building coonuts and type of D  
Dwellings

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#102: Papua, W.D., Datu: Fairchild Amphibian with  
members of expedition

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✓ 84-32	U.S.A.	New York	New York	Central Park from 115 Cent. Park Looking east 50mm. lens
33				same as 32 but with wide angle lens
34				same as 32 but with 135 mm lens
36				living room apartment 26 8
37	Maryland		Hagerstown	Fairchild Amphibian NR 777 at airport
38				ditto
39				Fairchild Amphibian NR 777 with
40				No. 1 in background
41				Fairchild Amphibian NR 777 at airport
42				ditto
43				ditto
1	Panama	Panama Canal		Approaching Gatun locks bow of S. S. Somerset in foreground
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3				ditto closer still
4				Gatun locks
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14				Bathing resor ? Sydney Harbour
15				Distant view of Sydney Head from Harbour
16				Close up of Sydney head
17				View of Sydney Heads x from outside
18	Papua	Central Division	Port Moresby	Expeditions boys on board Veimauri
19				Ditto
20			M.M. Veimauri	
21				Native canoe
22				Ditto
23-24				Main street
25-26				Native on Dock
27				Mr. Oldham
28				Native on Dock
29-31				Natives on dock on leaving of Boat
32-33				Fish caught outside Harbour
34-36			Yule Island	Shark caught off Yule Island
37				S.S. Papuan Chief
39				Kairuku
40-41				King Fish
42-44				Natives on board M.V. Veimauri
Taken by, A. L. Rand				

*Beni  
Note.*

~~XXXXXXXXXX~~

SS  
9594, 98-109

~~9740~~ Super X  
110-115

90  
91  
92  
93  
94

✓ 86-20-22	Papua	Western division		Strictland ????	from Air
23			Dap Range	showing above head of luap valley	
24			---	Western end of Mt. Sare from air	
25				Left side of picture, Mt. Sare and	
				right side Dap Range	
27				Eastern end of Mt Saree in foreground	
28				Mt. Mabion mid distance	
29-30	stone cliff		Limebdtone.	Scene from the south	
31				Big ben in Palmer rigerat Megre at	
				Megregor	
				Mt. Blutcher scenex f	
32- 33				Mt. Blutcher as seen from south	
				zide	
34				Juncti op Palmer andqg Plan d	
			Taken by L.J. Brass		
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26-27	26			Ditto	
28-29	Australia	Queensland	Brisbane	Entrance to River	
30				Rogers working on Motor	
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				hair	
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				store	
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19-22				Mt. Leanard Muarray	
23				Leanard Munnay slopés of	
24-26				Mt. Leanard Murfay	
27				Slopes of Leanard Murray	
28-36				Mt. Leanard Murray	
37-41				cloud effects	
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			Taken by A. L. Rand		
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	31-37			Tura-tura canoes in from fishing	
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	45-46	1		Captive hawk Haleiastur sphenurus	
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SUPER  
RING BOOK BOND



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 25-28 Looking towards Gilowar Mountain  
 29-33 Looking East from Lake Marguerite  
 34 Lake Marguerite  
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 Taken by A. L. Rand Lake
- ✓ 91-29-31P Papua Western Division Lake Murray from air  
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 38 ?  
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 28 on board M.V. Veimauri  
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 9 Young kapok tree Dr. Vernon's farm  
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 9 moqument to vitims of cyclone  
 10-11 general view showing granite boulder  
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 12 rest-house  
 14 King Street  
 15 Sea Shore looking west  
 16 Dwarf Coconut  
 17 Sea shore looking East



94-18	Papua	Western Division	Mabaduane	Family on porch of native house
19				Old man who remembered D'Albertis
20				Group of women and boys and two
				men just returned from gardens
21				Granite rock on shore East of Village
22				Fig tree with roots growing over
				granite boulder by shore East of
				village

Take by G. H. H. Tate and R. A.

✓ 141-7-8	Papua	Western Division	Old Mowatta	See no 19-20b etter p ctures
8-9				21-22
11-				Edge of sedge swam (Eleo charis
				# 6467) with Nymphaea # 6472
				growing in open water. The tree
				Excoecaria # 6464.
12				Melaleuca leucadendrom swamp forest
				woth undergrowth of <del>Frax</del>
				Phragmites
16-17				Phneumatophores of tree #6465
19-20				Mangrove forest dominated by <del>this</del>
				Avicennia #6222 with ground
				cover of Acrostichum # 6211,
				note Avicennia Phneumatophores
21-22				Pure swamp forest of Excoecaria
				#6464
23-24				Pandanus #6407 on foreshore at
				Old Mowatta village
25-26				Our camp at Mission teacher's house
				in back ground beach forest
				Calophyllum inophyllum
27-28				Views of Old Mowatta village
29-30				Fruite head Pandanus # 6407
31			Mabaduan	Hahe (#6475) in open mangrove forest
				on sandy foreshores
32				Phneumatophores of X Hahe (#6475)
33				Tall mangrove forest of #6475,
				Excoecaria #6464 & Rhizophora
				mucronata
34				Native church

Taken by L.J.Brass

✓ 142-37-38	Papua	Western division	Mabaduane	Dwarf soft shell coconut tree
39				Women & children in village street
40-41				A coconut planted street in village
42-43				Village sceen showing granite rocks
44				a Group of village children
45,1				View of village from beach, large s
				sailing canoe under construct-
				ion in foreground
2-5				Village street
6-7				Rocky coast line at village, coconuts
				& Pandanus #6407
8				Village girls
10-11				Village scenes
12-13				Concrete monument to five <del>mabuan</del>
				mabaduan men lost in Thursday Isl
				pearling in Cyclone disaster L934
14				Rocky coast line East of village
				left foreground Wongai tree
				(Mimusops #6476) in background
				mangrove forest.



Cont.  
142-15 Papua  
16-20

Western Division Mabaduan

View over anchorage East of Village  
Savanah forest & Large Termite  
mounds two miles West of Village  
Dominante grass Themeda triandra  
tree stocking chiefly Melaleuca  
leucadendron var. coccinea.

Taken by L. J. Brass

143-26-28 Papua  
35  
45,1

Western Divison Daru

Lake Campbell

Captive Dupetor flavicollis  
Lake Cambel from air  
Mt. Leonard Murray from air

Note:- remaining air picture un recognisable  
perhaps when printed.

Taken by A. L. Rand.

SUPER  
RING BOOK BOND

Cont.

142-15  
18-20

View over landscape west of village  
Grove of trees & large fountain  
Remains of old village  
Dormitory or as former residence  
Tree growing in village  
Landscape near fountain

Taken by H. J. Bass

142-18-20  
18

Eastern Division, Japan

Capitol building, Washington  
Lake Umbagog from air  
H. J. Bass, survey from air  
Notes: - remaining air photos in record  
perhaps when printed.

Taken by H. J. Bass

RING BOOK BOND  
SUPER

Schedule of Expedition

Plane	Day #1	Date	Advence party
		May 15	Willis leaves for mountains
		17 May 28	Contacts Willis 610 mt. mark delivers 10 days supplies
		22 June 5th	Contact Willis at Mt. Blucher delivers 10 day supplies
		26 <del>30</del> June 13	Plane starts delivering 2 1/2 months stores delivering chutes 1-st
		44 <del>48</del> July 1	Willis starts for Palmer Junction
		57 <del>58</del> July 10	Plane contact palmer junction after finishing deliveries Mt. Blucher, to pick up five boys and specimens
		59 <del>58</del> July 11	Whole party leave for Faim
		76 July 28	Plane deposits <del>ix</del> month starts depositing 1 mo food
		99 Aug 20	Camp has been changed, Willis Starts for Palmer Junction
		107 Aug 28	Plane starts delivering 1 mo food minus 10 days
		111 Aug 31	Plane contact Willis Palmer junction delivering 10 days food plane will keed this date in preference to Mt. Faim also 1 collecting box. If Willis not here plane to make another flight three days later
		121 <del>Aug</del> Sept 10	Willis back at Faim
		131 Sept 20	Camp having been change willis start P.F.
		138-141 Sept 27-30	Willis ditto
		151 Oct 10	Willis Faim
		161 Oct 20	Same as 99
		169-172 Oct 28-31	Plane ditto 111
		182 Nov 10	Willis back at Faim
		192 Nov. 20	99
		199- 202	

MAY 19, 1936

June 5 Black Camp  
1 Willis leaves for mt

14 June 18

18 Willis & Healey establish camp Faim depot

Willis arrives palmer junction after starts schedul from day plane pick up of boys & party leaves for mt.

12 Willis remains Mt. Faim. part to be delivered 7 airm. " " " 7 airm.

143 part to be delivered 7 airm. " " " 7 airm. " " " 7 airm.

4 Willis at Palmer junction

111 B.J. Camp having been change willis start P.F.

144

154

162-165

175

185



Schedule #2

A

199-202 Nov 27-30

same as 107 & 111

212 Dec 10

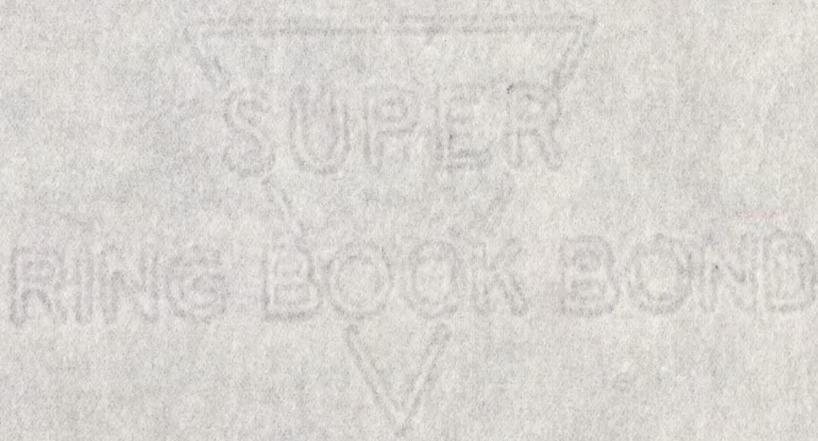
Willis back at fair

222 Dec 20

Camp change to Blucher, will does not go P. J.

229232 Dec 27- 30

Plane make contact Blutcher  
otherwise same as 107-111  
no contact Palmer junction



193-202 Nov 17-20

193-202 Nov 17-20

193-202 Nov 17-20

218 Dec 10

218 Dec 10

218 Dec 10

Camp change to ...

218 Dec 10

218 Dec 10

218 Dec 10

218 Dec 10

SUPER

RING BOOK BOND

V

Balls	Capts	Nuts	Washers	Spacers
1d-1/2	3+32	5	3/16	1gr. 4
2d-1/2	3+32	6	1/4	1/2 - 4
2-1/4	3+32	6	5/16	1/2 5/16
2-2 1/4	3+32	6	3/8	2 1/4
3-3	3+32	6	1/2	1/2 3/16
2-1 1/4	5+32		1/2	off
3-1 1/2	5+32	Push on grub		feed
2-2	5+32	1 nut		1/2
1 1/2-2 1/2	5+32	73 1/8		1gr 3/8
1-3/16	1/4	3/8		1 1/2gr 1/4
1-1	1/4	1/2	1	1/2 7/16
1/2-1	5/16	1/2	7/8	
1	1 1/2	3/16	1 1/2-3/4	stair
1	1 1/2	5/16	1 1/2-1/2	4d 7/16
1	2	5/16	1 1/2-3/8	2d 1/2
1 1/2	2 1/2	5/16	1 1/2 1/4	6 3/8
1 1/2	3/4	3/8		
1 1/2	1	3/8	valve	
3	1 1/2	3/8	works 17	
2	2	3/8	1/2 dia 250 wold flk	
1 1/2	1	7/16	Worm brass brass bar	
2	1 1/4	7/16		
1	1 3/4	7/16	6 in 2	
2	2 1/4	3/8	1 1/2 dia	
2	1	7/16	hex	
1 1/2	1 1/2	7/16	hex grub	
1	1 1/2	1/2		
1/2	2	1/2		
1/2	3	1/2		
1/2	2 1/4	1/2		
1	2	1/2		
1/2	2 1/2	7/16		
1	2 1/2	3/8		
1	2	7/16		
1 1/2	2 1/2	7/16		
1 1/2	1 1/2	3/8		
1 1/2	2	7/16		

3/4	2	-10	machine screws
3/4	1	-4	"
3/4	6	3/4	P.K.
3/4	8	1/2	P.K.
1	1/4	x 1/2	Brass cotter
1	1/4	x 1	"
3/4	10	x 1/2	P.K.
3/4	10	x 1/2	P.K.
1	8	x 1/2	P.K.
1/2	8	x 1/2	P.K.
1/2	1		Field washers
1/2	3/8	x 1	Cot Pin
1	1	x 1/2	" "
3/4	1	x 3/8	P.K.
1/4	4	x 3/4	P.K.
1/2	10	x 3/4	
5/16	5/16	x 6	Blanks Bolts
1/2	5/8	x 4 1/2	"
6	3/2	x 8 1/2	"
2	3/4	x 6	"
5/12	3/8	x 6	"
1/2	10	-27 keep	"
1/2	9	42	"
3/4	9	5	"
	4		Wet Brushes for Optics
	5		Emergy whisks
	1		Calcio buff
	1		grinds with buff + 1 emery
			welding wire
1	1/4		P. gear welding rod
2			steel " "
2			al.
1			statutes
1	large		iron
1			gold scale
4	sets		brass leaves
1	comp.		" assembly
2			Half Anchors
1	adhesive		starter

Generator  
food  
my mattress & pillow  
1/4 y

100 yds 044 feed wire 1 double  
1 box Eclipse spare parts

18 rocker arm gaskets

Gasket no

1-14981  
2-24092  
1-29388  
1-28885  
2-25677  
1 20104  
1 27309  
1 29734?  
1 22290  
1 67024  
1 24471  
1 62370

2 coils silver solder

6 yds Battery cable

41 rods friction (the 3/4)

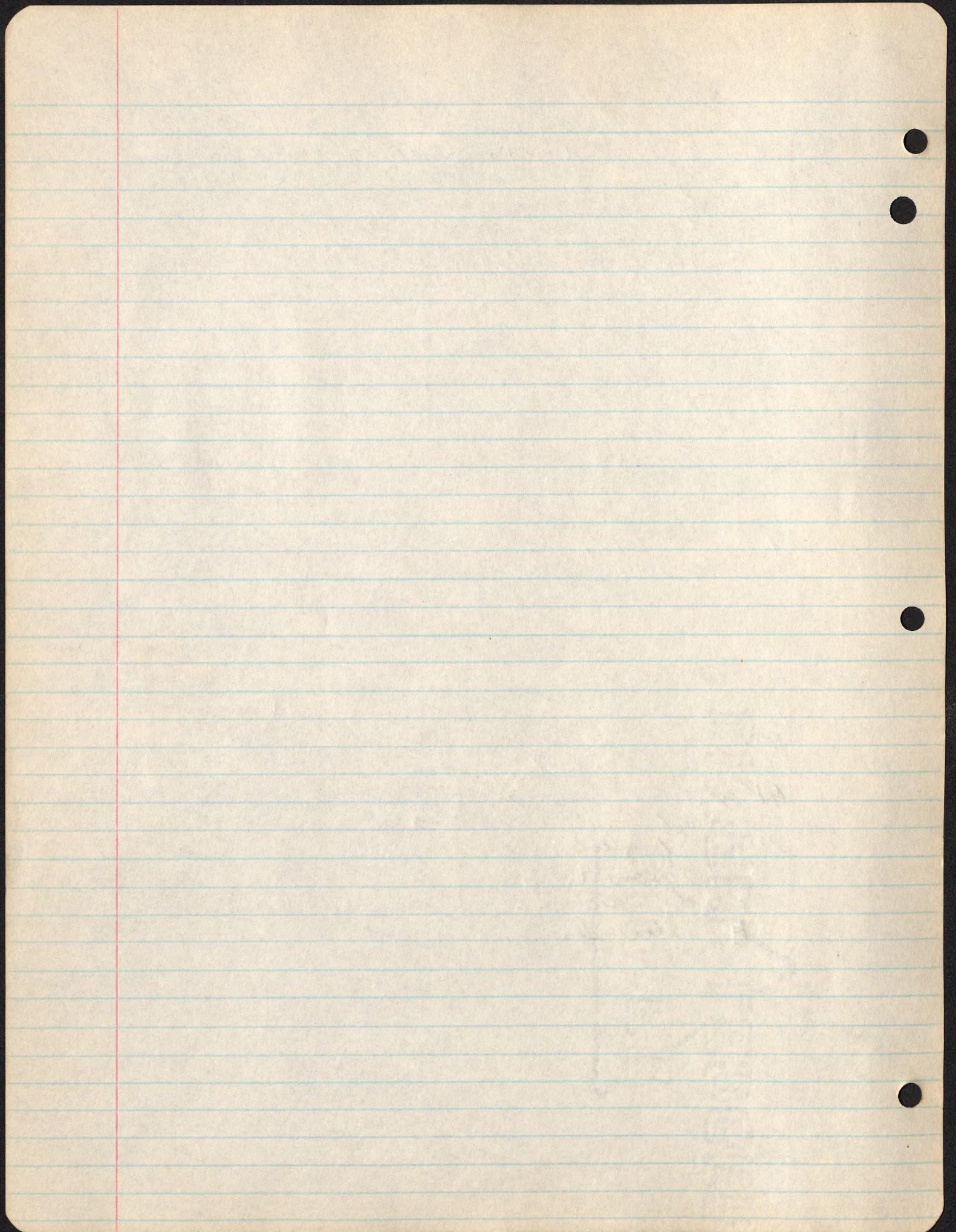
3 pkts 1" Industrial Tape

2 " 1" Scotch masking tape

3 Dayton V. Belts

2 pkts 100' Spool (Packard) cable

5th Letter Streamers



sheet aluminum (Grease  
windows for fairlead  
wheels  
tires  
angle best of sections

supplies for Chief of June 20

30 gasoline  
oil

ham

bacon

Plant J. Oxygen

1 Petrolin

gun oil

1c. Butter

beer

1000 - rice

from

N. G.

Chief Officer

2 water ruddlers

June 26

Needs for 590 milk cans

5 lbs Naphthalene and paraffin

2 rolls cotton

1 black box cartridges (410, + 12 ga. mixed)

25 envelopes —

1 bottle oil for guns —

1 bundle

Replace the 440 lb. feed —

1 tin of flour

left for soap

---

schedule for 5:30 June 30 1936

1 empty <sup>three of stayers called</sup>  
"De." thrown  
w/ 3 duds

May 18

Boy brought in your  
bird feather spirit

---

1/1 case Eggs  
1/1 ~~case~~ striped  
1/1 ~~case~~ tube  
10 tins meat

B. Litchie

Walter writing paper & envelopes

Blod  
in } Black box & trays (tato  
case of Alcohol

75  
48  
-----  
27  
360  
-----  
387  
142  
-----  
529  
17  
-----  
546

420  
84  
-----  
504  
3

Dear Mr Willis

Sorry we are late but we came  
up two days ago but could not get in on  
account of the clouds a wasted of a trip  
~~was~~ a trip every other day will be about  
all we can do though we may try it  
any day later if they go easier,

35 Coming America fast  
Kiwi Is 10 min.

1905 OK saying K one Hall  
asked for <sup>on C.W.</sup> tin was five min  
fast

1 gross matches  
1 caddy tobacco

1 case Kerosene

6 cans cocoa  
3 cakes Lifebuoy  
3 lb beads

Supplies to be Dropped for 3 weeks  
for ~~the~~ month at Mt. Ham  
Summit.

- 90 lbs. Meat (Roast, corned, salmon, plus tongue)
- 90 lbs. Flour
- 4 lbs. Cream of Tartar
- 2 " Soda Bic. Carb
- 40 " Sugar
- 6 " Tea
- 6 " Coffee
- 14 " Butter
- 14 " Jam
- 4 " Dripping
- 1 pkt. Hops
- 2 pkts. Salt
- 1 lb. Pepper
- 35 lbs. Fruit
- 2/3 Side Bacon
- 1 Ham
- 4 lbs. Prunes
- 3 " Honey
- 3 jars Peanut Butter
- 1 jar Golden Syrup
- 2 jars Curry Powder
- 12 " Milk
- 2 " Raisins
- 2 " Currants
- 5 pkts. Dried Peas
- 8 " Lima Beans
- 12 " Nuts
- 6 bottles Ketchup
- 5 bars Lifebuoy Soap
- 6 bars Soap
- 2 lbs. Mustard Powder
- 35 lbs. Onions
- 70 " Potatoes
- 1 doz. Biscuits
- 5 lbs. Porridge

$$\frac{17}{30} \\ \frac{30}{510}$$

pear

$$\frac{25}{30} \\ \frac{750}{150}$$

$$\frac{32}{30} \\ \frac{960}{75}$$

$$\frac{14}{56}$$

$$\frac{16}{64}$$

7 lbs Epsom Salts  
250 x 500 Lumine Tabs.  
2. Bottles Iodine  
1 dz 2" Bandages.  
1 lb Jint  
5. Rolls Sanitary Paper.  
2 1/5 Benzene  
3. Air Handles

---

### Native Stores

1000	lb.	Rice
500	"	Peas
56	"	Heat
14	"	Salt
28	"	Sugar
28	"	Tea
7	"	Tobacco
4	"	Talcum Soap
6	dz	Hatches
3	lb	Hamlets

~~To be added to this police ration for~~  
~~2 policemen~~

also collecting gear ie, paper, traps, cartridges  
& after 1st month, one collecting box (labeled Fair # 2)  
4 N. B.

---

One month or 1/5 to be dropped  
at Mabon for Healy, Willis & Labour  
plus 6 policemen.

---

Traps 14 2 at Top of Train also  
H of Hoagif  
3, 5 & 6 of Mabon



1936  
July 28

5 mi below Ogata J

max

temp  
elevation

12.00

24.5

27

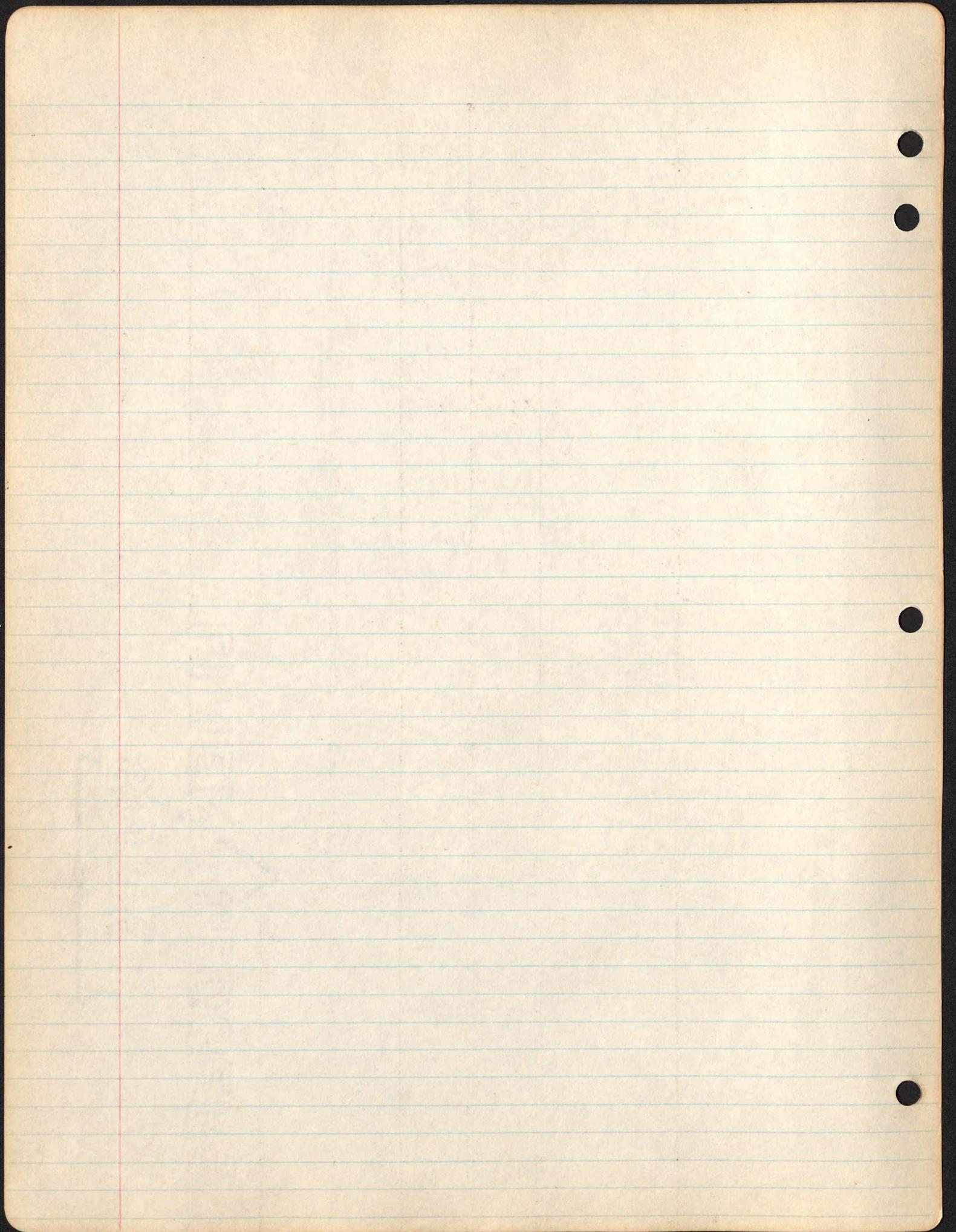
28

17

6:00 P.M.

22.5

29



Hodels Thursday Island

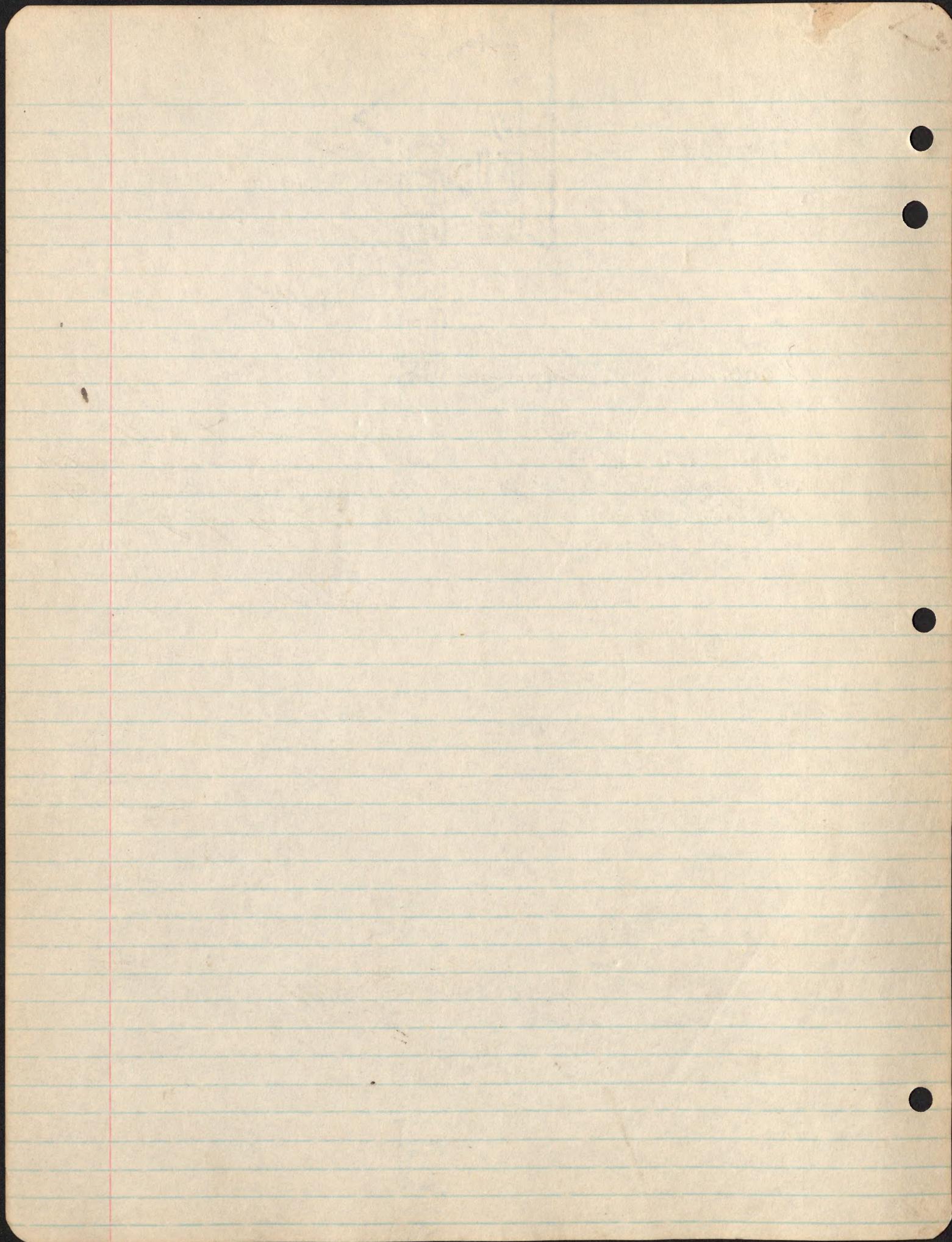
Ship my cargo Aramia

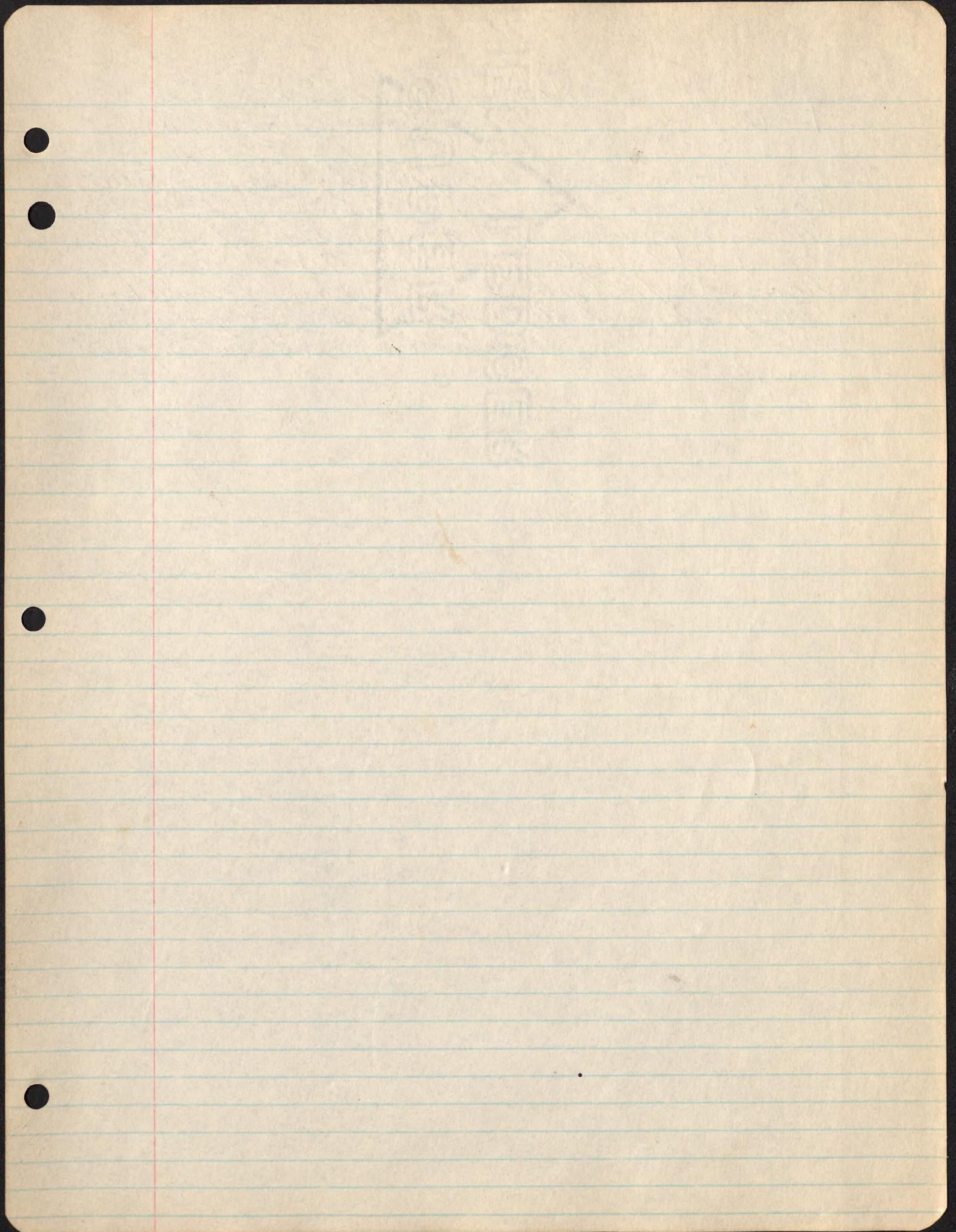
Luft

Vacuum Melbourne

sorry no cheque sent will  
mail new cheque per your letter June seventeenth  
stop plane sent port Moresby total loss stop  
desirous disposing of existing supplies of gas  
please advise

Archie





T at 7.1

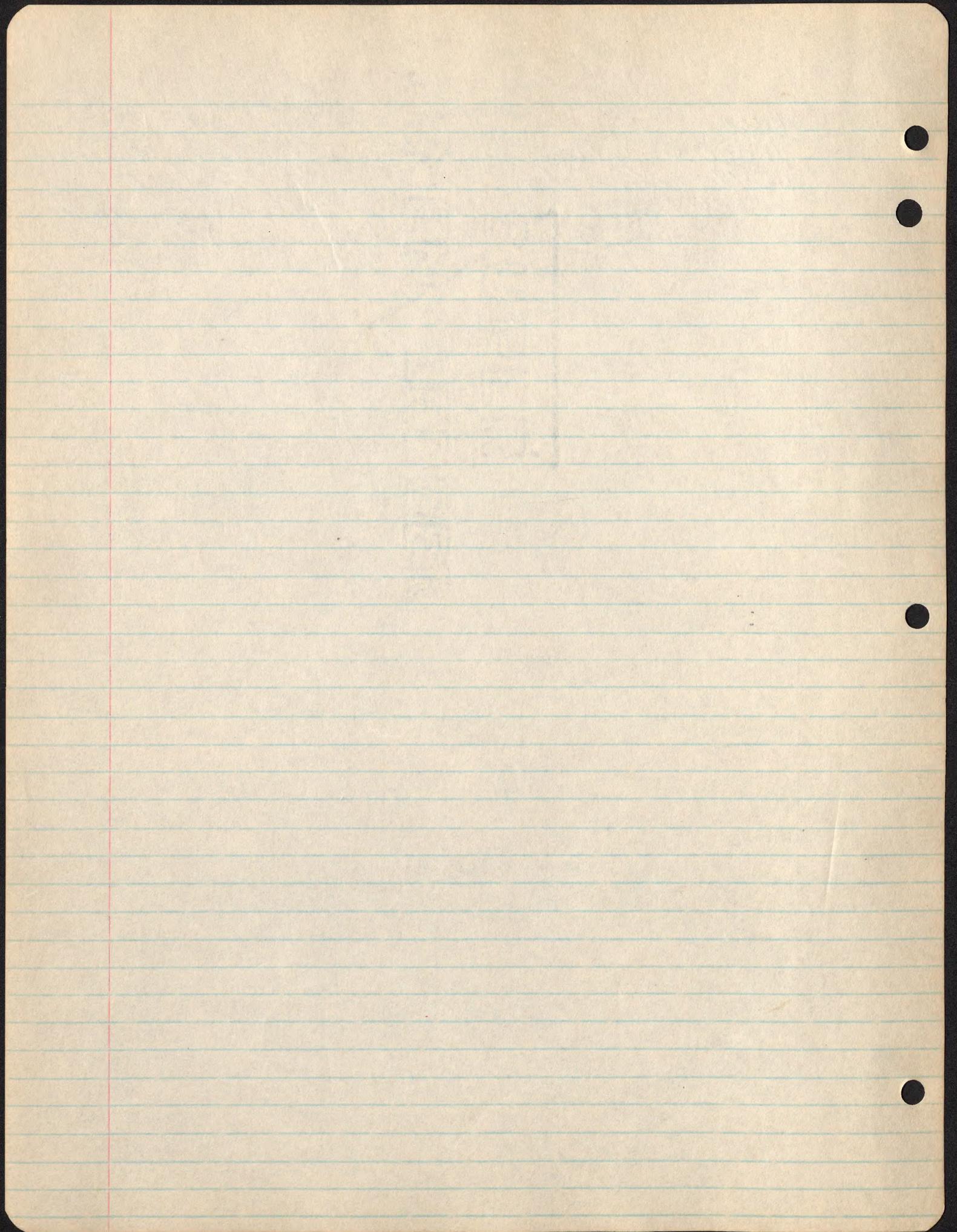
Message Broadcast July 10 1939

~~Do not~~ No O.K.

Kono sunk Port Moresby ninth total  
loss stop Rogers proceeding sea to direct  
Guinea Airways plane which will drop fifteen  
hundred pounds food <sup>in group</sup> stop Meera will  
proceed Palmer Junction I am going along  
taking launch Wuroi stop suggest you return  
Palmer Junction Black River camp when food  
finished or stop

Tati

Rogers going to sea today to go  
with Queen's airway plane to drop  
15000 pounds of food and following note  
(see message 'Tati' follows page)



TATE Via Y 19 & Plane

Our Plane sunk Port Moresby July ninth and is total loss stop suggest you do what collecting possible with present food supply allowing sufficient for return Black River Camp stop Meira coming immediately Wara with three month supplies I will go up taking Maidments launch Waroi stop I will go up to camp from highest point reached by Meira and await your return stop there will be ~~not~~ be another delivery by plane Archbold

Rand

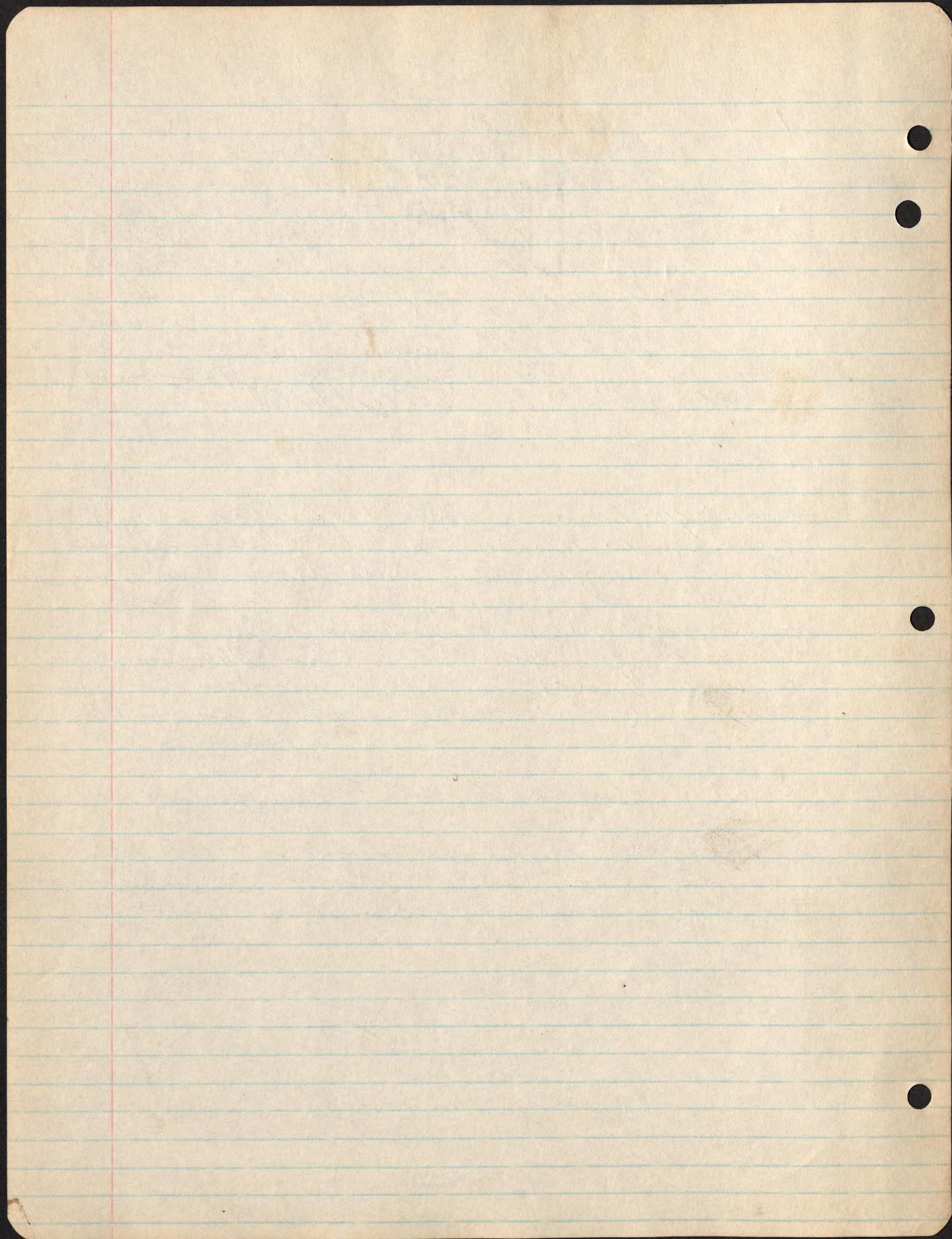
Our Plane sunk Port Moresby July ninth & is total loss stop plane ~~delivered~~ Guinea Airways plane has dropped fifteen hundred pounds food at mabion with note to come out before his supplies are finished stop I am coming up with the Meira taking also Maidments launch Waroi in order to proceed to your camp with three month supplies on food Meira Archbold

Bank of New South Wales Moresby

Please honor my cheque  
Please allow Russell R. Rogers to draw  
monies against my account am writing

1- 185/258

3- 104



10 P.M. 15

Archbold Dear

Really terribly distressing news  
can we help in anyway

Jim Davison P 4

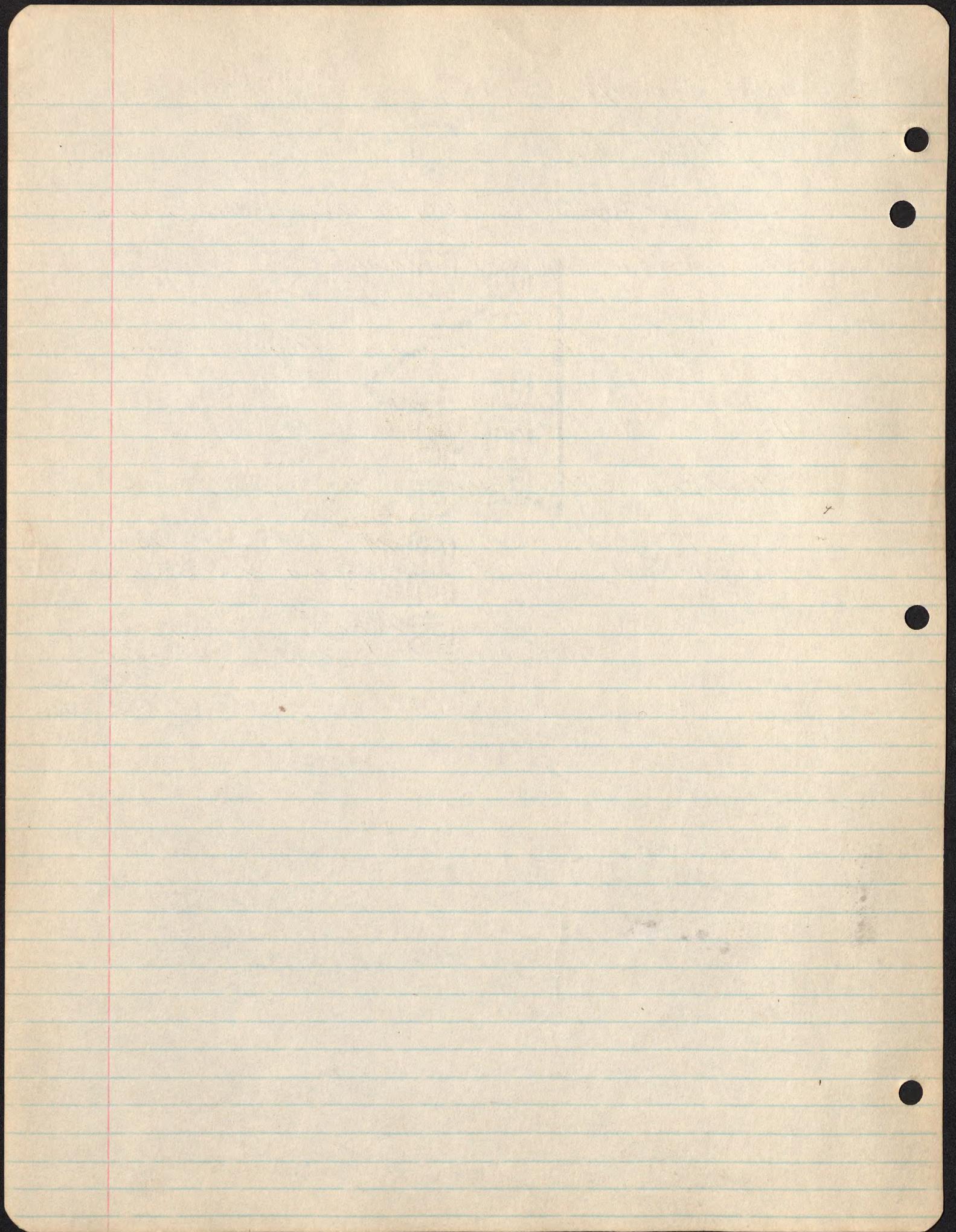
11 P.M. 19

Archbold Eff Dear

Regret learn mishap. <sup>is</sup>  
delay <sup>serious</sup> suggest if portoken my stinson

Moody Inverfail  
Wickham  
Gerrard  
Brisban

2,000



U. H. X

TOTE

Will probably get to Black  
river camp with ~~the~~ and dingy  
want me that stop taking

12 P M 21 840 Dec 11

Arbost Dare

Referring to our radio June  
10 kindly advise whether check  
was inclosed with letter

Arbost  
Vae Dye ✓

13 P M 24 1150 11

P. R. Arbost Dare

As. quotation representative  
pioneer investment and business  
comparison place stocks & repairing  
vaid at your disposition

Prowls fly

14 P 29 1200 12

Arbost Dare

If Guinea Arway I fear, possibly  
reach here Wed or earlier we will  
leave for Black River Thursday morning  
stop plan two nights stopping on  
Blanche Limestone stop

Tote

over

not necessity

? 15 Credits 45 gold 11  
Rich End Dow

mean myself song  
please plane sending although Guinea  
airways will handle please cable details  
and advise your plans

Should accident result  
your returning America <sup>last</sup> night  
be better, ~~final~~ settlement here

indefinite  
my cable address Haffy Washington  
cable details collect  
no signature from Seattle Washington

2

reply

16

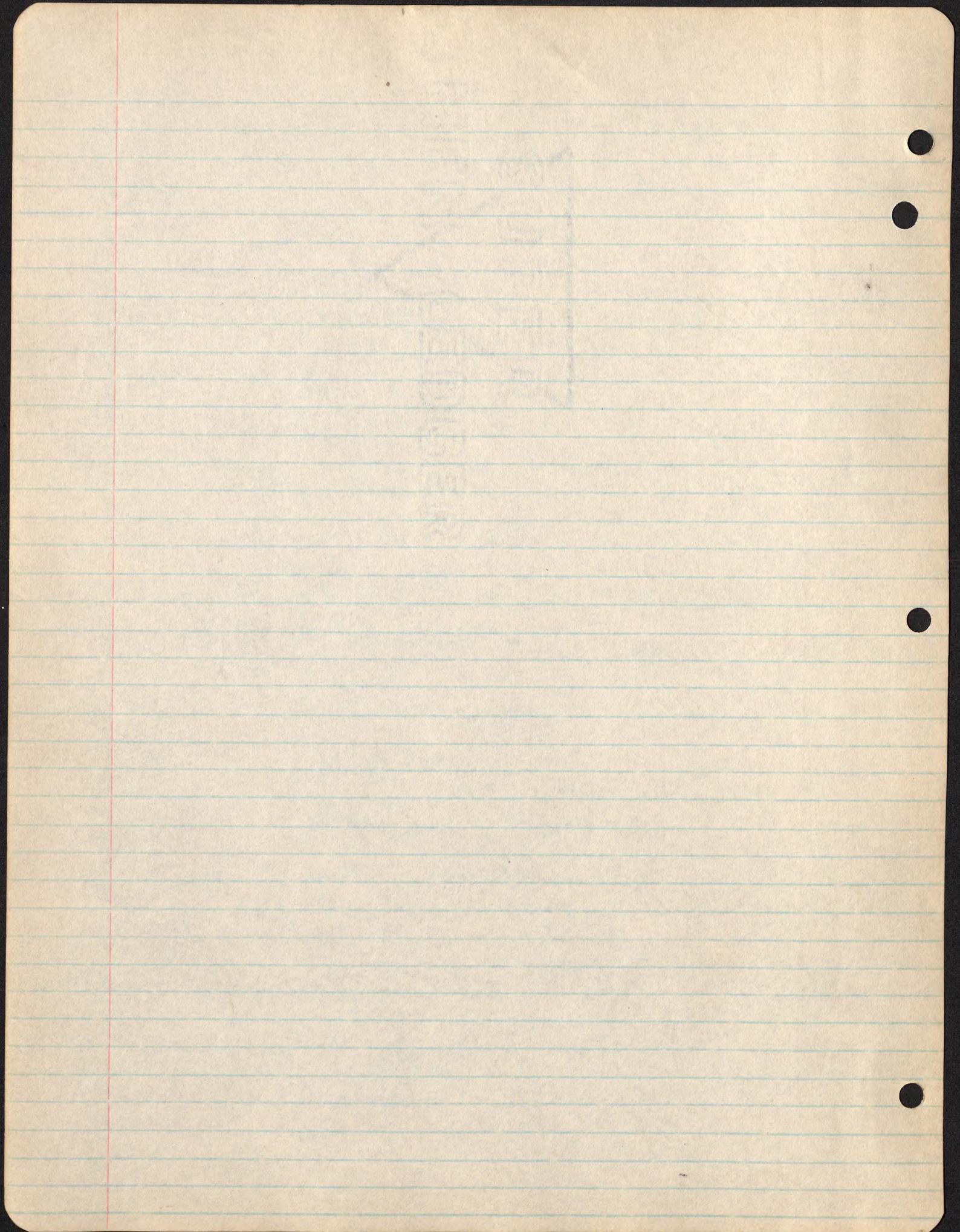
150

10

Jul 13

Arafts D

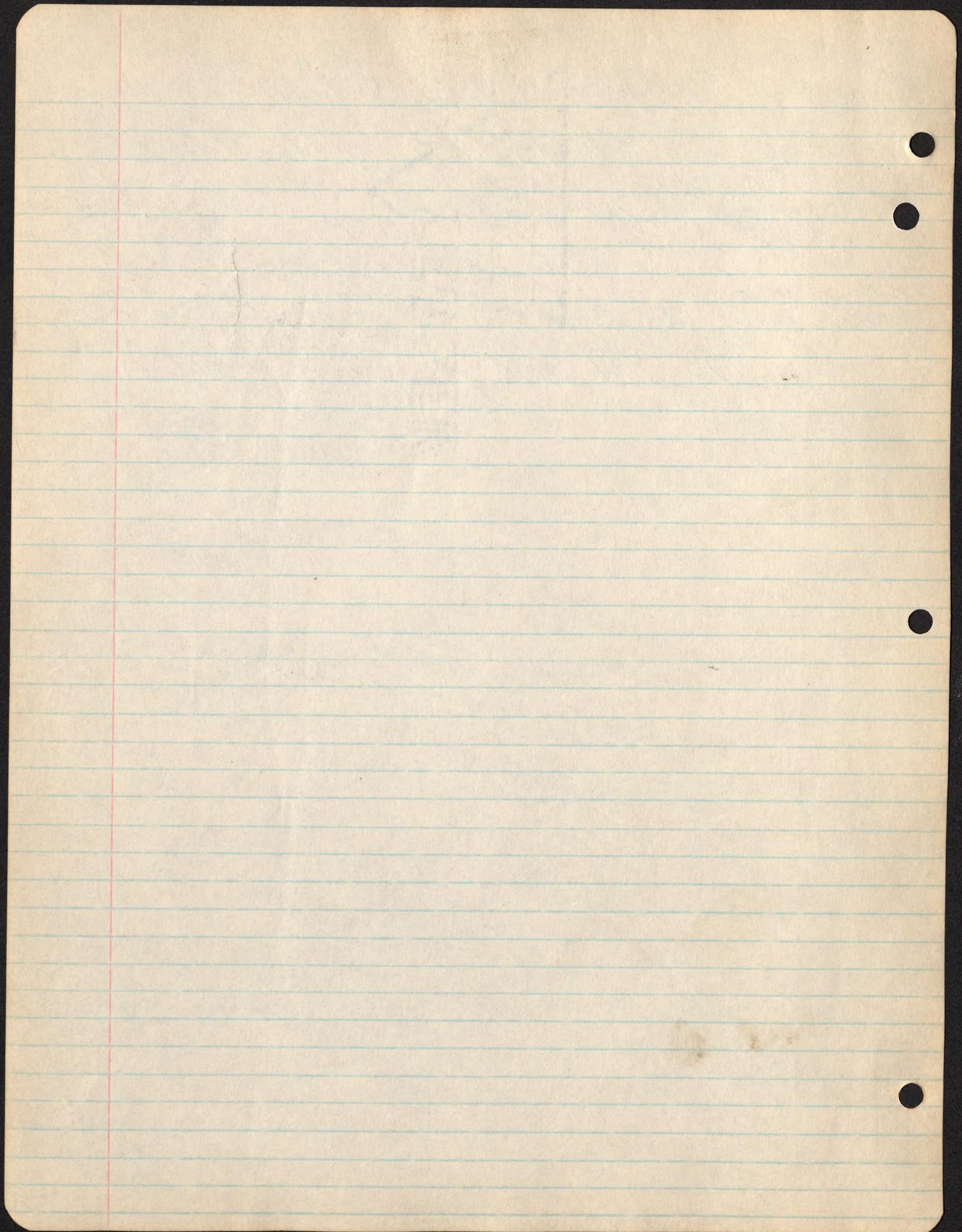
Leave it to you<sup>or</sup> decide  
 upon following two alternatives  
 stop first take everything to  
 Black River arriving there  
 early August stop in that  
 case we must <sup>have</sup> the fifteen  
 hundred rrs here by Wednesday  
 & work relay stop second  
 abandon everything except things  
 except specimens & enough  
 food to go out to Black  
 River reaching there in eight  
 days from Wednesday stop  
 but in other case believe more  
 rrs needed Black river stop  
 eight day excites build raft  
 & further eight should be allowed  
 in case meeting with major stops  
 delayed stop under first alternative



page 2 of #15 from 19.

We reach Black with three  
hundred pounds in ender some  
more of Black. We see  
to deliver on gravel far at low  
water or also on top of land where  
there is a road to the more of Black  
sugar suggest present see top of Black  
in a bag. But dogs unable  
walk and not dangerous if can  
be carried Black.

Tate

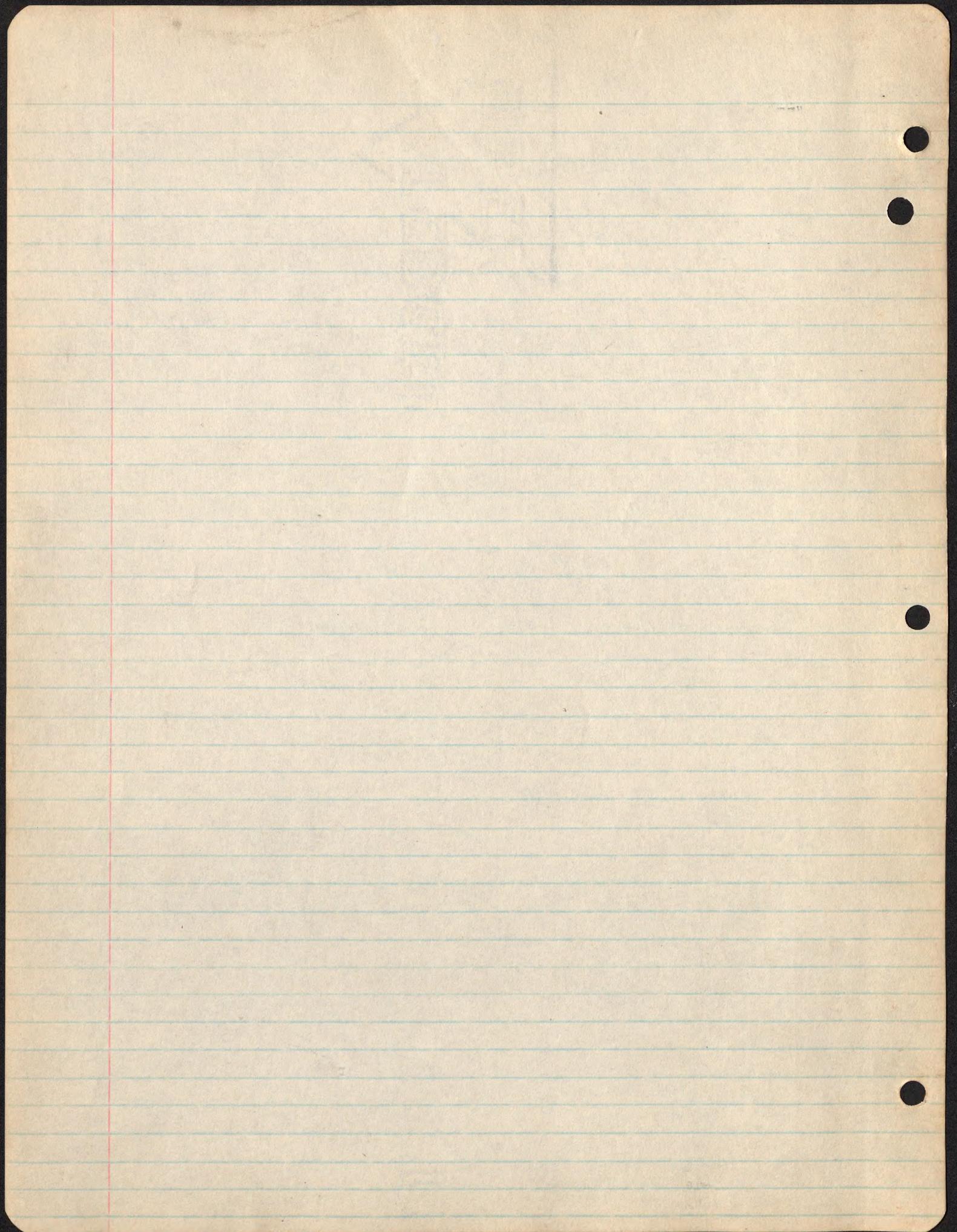


7 at

Weather will decide which of two  
alternatives Black River ought to have  
sufficient food stuff if delivery  
unsuccessful Mabin or Blatahu  
will drop Black River. Build  
rafts any way but will advise progress  
by radio  
A. H. H. H.

Rogers Sea

If unsuccessful Mabin  
delivery will Black River on far a  
point where Kono moored  
A. H. H. H.



#33 P.M. 40

Archbold Daru,

very sorry about plane no news yet insurance newspaper reports you  
intending buying twin motored sikorsky returning united states  
stop is it wise buying another expensive plane plane now are your well  
mother

#34 PM

Arcubold Daru

your telegram eighteenth Ward Williams has instructed his representative  
frame to load Daru twenty five drums stenavo ethk aviation gasoline eighty seven  
and all the stenavo engine oil 120 available please obtain receipt for quantity  
taken from Ward Williams forward same to Steamships Port moresby  
Melbourne

#36 PMM.

34

3:00 PM July 27, 1936

Nicholson Maira

Ronald S on her way to Fly River have arranged for her to Complete  
Maira trip stop negotiantion for towage meira to Daru further news later report  
to us every oportunity

steamships

#37

arcubold maira

last trip of maira 15 days from daru better find out absolutly how ln  
long rands food will last and if possible can ~~buy~~ they raft down to oriville base  
expect rona;d leave daru August 1st this depends on Vernon getting boys  
rogers

69words

Rand Black River camp

unable proceed further due crankshaft breaking stop please  
recheque food stop arrangement made Ronald S to take two tons food Oriville camp  
stop Juelstedt returned Daru to get Goodwill to stand by in case Ronald is delayed  
where aproximetly do youx intend establishing next colecting camp important if  
you want Wuroi and Dingy stop I intend coming up with Wuroi when you are established  
new camp.

Archbold.

Arcubold Daru

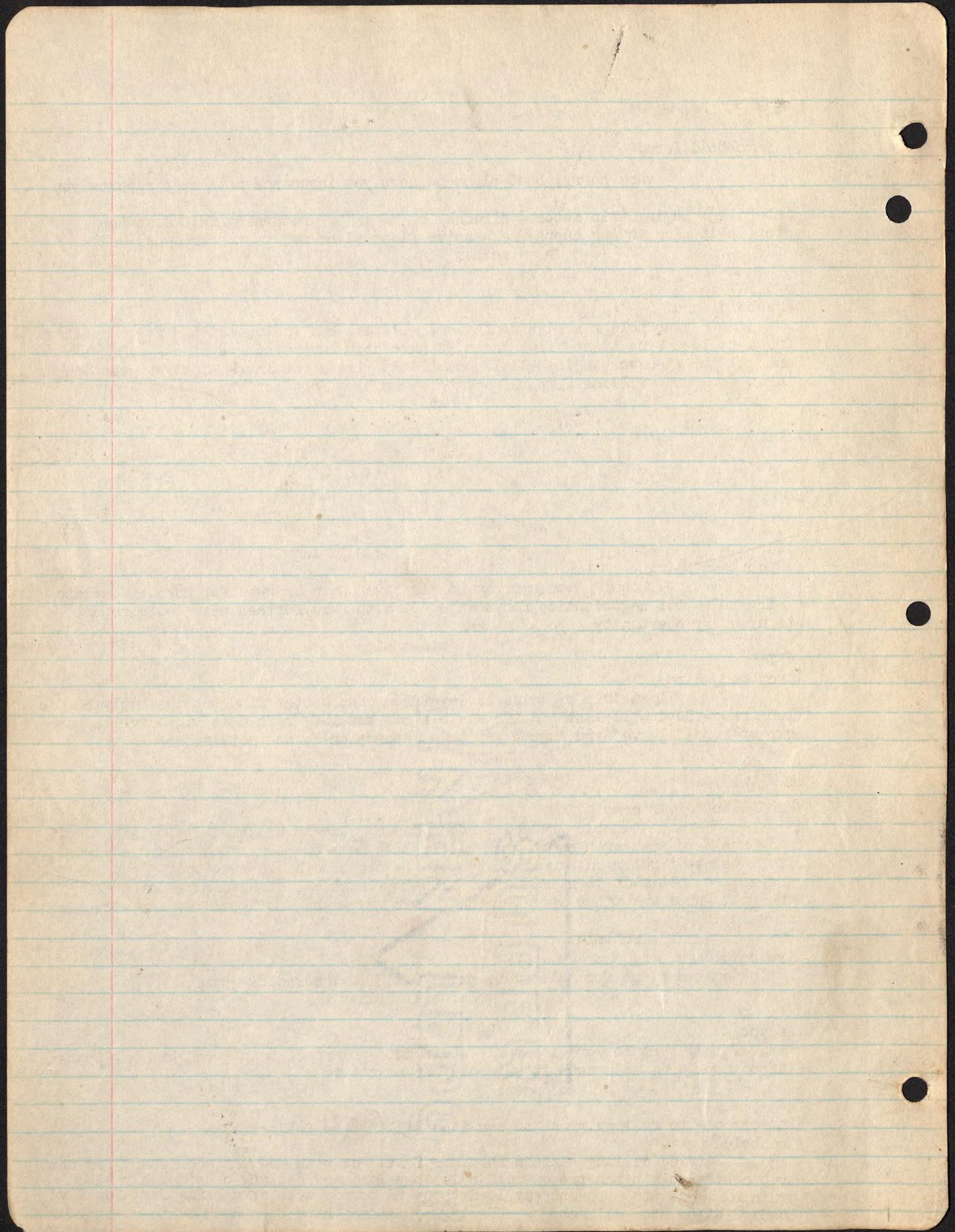
Is damaged plane for sale quote price C.I.P if insured by whome  
Marshall Sydney

Arcubold

If they want to work lower fly would not Junkers 34 be a good ship on floats  
It could be used as second ~~in~~ ship on your next trip  
Rogers

in response to my inquiry as to servi ce seiling the following message  
Archbold

Service seiling sixteen thousand feet. But with new set edo floats for next  
trip controlable pitch prope would raise pay load and ceiling considerably also  
cruising range stop present pay load thousand pounds with enough ~~fuel~~ fuel for five  
hundred miles stop all mesages offering assistance have been atended to using your n



name except one from your mother stop~~re~~ referring junkers price fitted with floats  
twelve thousand dollars probably take less  
rogers

archbold Relayed through VIG

July 29

Fuel rations here for sixty ~~day~~ boys for three weeks 5 weeks  
Plan to establish next camp between Everil junction and the Dutch border stop we  
want Wuroi to move about with at next camp dingy not important~~as~~ as we have the col  
colapsible boat advisable meet us at Everille camp (orville) or heigher but we  
can raft lower with safety ( after Dutch border add:where we can reach  
and savanah)

Archbold

July 30

7:45 made contact and another schedule for 8:45 VHW8&9

8:20 got message from yesterday as above VHW8& VIG

8:45 VHW8 &9

Rand ~~ability~~

Ability to get Wuroi to camp will depend on how much the Ronald S can take  
if she can take everything I can bring her to your camp when you are set.

archbold

need firstword shifted to voice and asked something when he went off air  
when over and told him

we have slightly less than four tons on board Ronald S will take only two  
tons of food acording to information from port stop she will proceed up ~~ix~~ river  
untill she picks you up then bring you down to next camp stop I will wait here  
on Meira untill you are established

Replied all OK have u any news of Juelstedt

replced If you have trouble will broadcast at 7:45 so listen for me at that time  
there is no news of Juelstedt

Archbold

<sup>K</sup>  
5:05 Vhw8 &VIG

42 32

Archbold Meira

referring your telegram 25 ward williams now requirés only 20  
Stenavo ethyl 87 Daru please instruct frame load 14 leaving 6 for refuling amphibian  
daru oil requirements unchanged

vacdu

~~41~~ 43 21

Nicholson Maira

Ronald expected leave Daru Thursday Fitch returning Montoro sixth  
august hope everything going well will comunicate again tomorrow

Steamships

44

Archbold

Referring gas ~~and~~ supplies at Daru sugest w send ~~Beach~~ réference copies  
of messages to beach and ask him to keep a record of disposition of fuel

Rogers

if there followed verbal conversation to the efect of OK and that the Ronald  
is proceeding via Bamu and to ~~tate~~ tell tate to blow out fuel line.

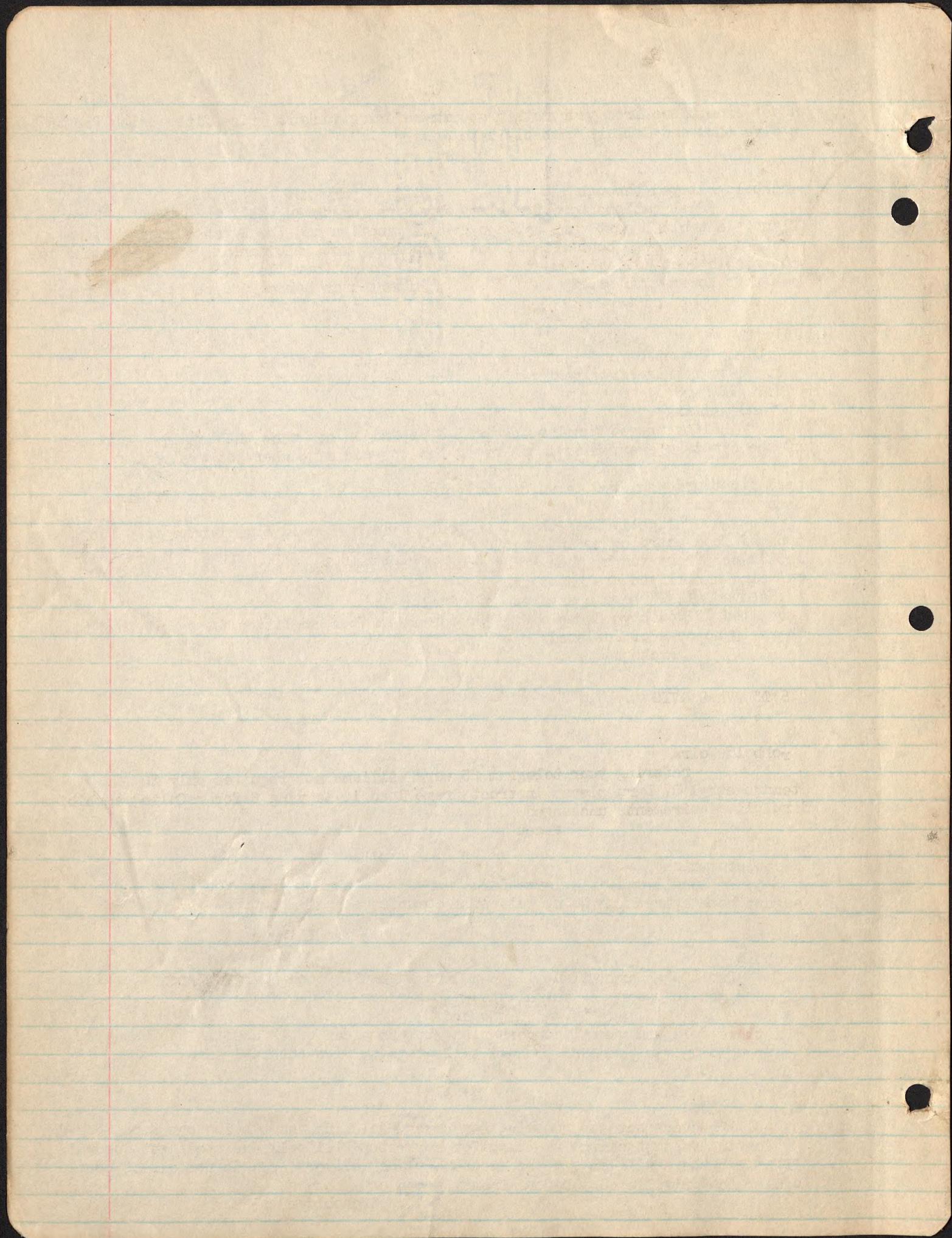
July 30, 1936

7 :35

Tate

Rogers sugests removing generator fuel line and blowing out stop Ronald  
S leaving august sixth via Bamu for boys stop will tell Juelstedt get Goodwill  
if unable there will ahve to be another plane delivery as I do not expect Ronald  
will reach Oriville camp before twenty seconde

Archbold k k



Archbold

Will Wuroi come too

Tate

Tate

Wuroi will come if possible if Ronald cant take gasoline there is no point in taking her

Archbold

Archbold

is there any chance of getting Vaalala ?????????

tate

TATE

ther is no chance as she is en route Samari stop is there anything you want what do you mean by amunition a request sent day we left daru

he never eplied and Vig did not raise him

8:20 Vig & VHW8

nil both sides port made schedule for VHW3 to call me Nine oclock (9:00 No sign of VHW3 gave him a shout at 9:10.

% 5:

Archbold New York

All well returning america as soon as I can get ~~best~~ ~~which~~ supplies to inland party at present on ~~chair~~ ~~with broken~~ ~~crankshaft~~ vessel maira with bracken crankshaft relief woming in couple of days

Archbold (sent July 31s 7:30)

have you contacted Vhw3 we did not hear him where is Ronald S

hufty washington

advise disposition of plane stop have been several offers to buy refered them to you

archbold

~~July 31st 1946~~

No 45

Nicholson Maira

33

Well Nicko how is the aligator farm all clear here Bill is a chip off the old block carrying on in fine style family all well and sending love cherio shafer

46 Nicholson 17words

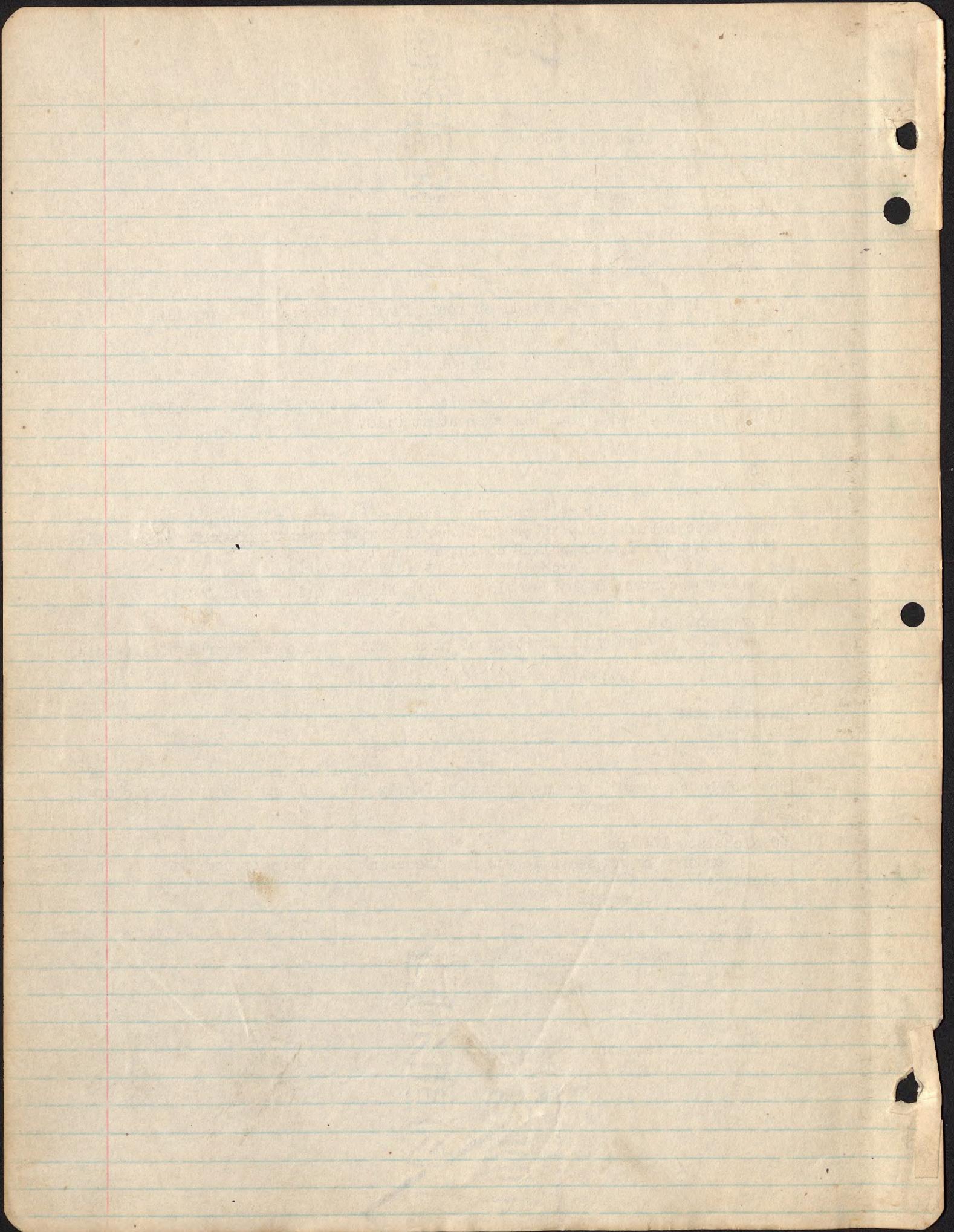
ordered crank shaft do you require crankshaft bare or complete with balance w weights advise

Steamships

Steamships

this message I cant find origional)

followed conversation about Ronald S



MAMMALOGY ARCHIVE



100213078

Syracuse, N. Y.  
Stockton, Calif.