1948
Archbold
Cape York Expedition

Journal of
G. H. H. Tate

Crystal Cascade
Cacino Intake
Destroyed
5/11/12

Shipments to B.P., Cairns.

# 1	from Thursday Island (SS. Alagna)	no. 96 1 Knockdown box skins
# 2.	" Portland Roads. (SS Wandana)	2 black boxes no. 24 - skulls no. 95 skins
# 3.	" Portland Roads June 26-27. (SS Wandana)	1 Knockdown box # 97 l. sk. 1 Black box (small skins) # 7 1 " " (" ".) # 23
# 4	" Portland Roads for Cairns.	1 Black box # 27 (Sm. skins). 1 " # 74 (alcr skulls) 1 " # 30 (mamm. surplus) 1 " # 32 (H.V.D.) 1 Amm. box # 16 (Amm.) 1 " " # 90 (skulls) 1 empty suit case (H.V.D.)
#5.	" In Cooktown	1 Gun box. 1 black box # 67 2 Amm boxes # 11, 12 1 package (3 knockdowns)
#6	" Coen	1 box large skulls (air express)
# 7	" Coen	2 black boxes (sm mam.) #4 #17 1 Knockdown (skins & skulls) #59 1 large black box (l. skins)
#8	Cooktown	2 black b. (21, 67) 1 " mouse traps (19) 1 knock suitcase 3 Ammo - (B, 11, 12) 1 black b. mix. (71)

1947.

Dec. 1 Left Grand Central Station. Len & Geoff saw me off.

5 Left San Francisco (P.A.A.) a few minutes before midnight.

6 Arrived Honolulu 9.30 a.m. Left again 3 pm. } Reid C. Barrett "Koonwarra" & Ratcliffe, "Hyde Foxes & Drifting Sand"

6 Arrived Canton Island about midnight.

(Crossed international date line & lost a day).

8 Arrived Fiji for breakfast.

" Nouméa (30 miles away from), New Caledonia for lunch

" Sydney 6.30 pm.

Held up there for re-vaccination

Dec. 11.- Steamer "Bildefort Victory", on which my equipment traveled, reached Sydney. She was at anchor out in the harbor until a couple of days before Christmas. And my cargo came ashore too late for me to work in New South Wales as planned.

Dec. 12-29 The Christmas season precluded moving the goods until after Christmas and there were other complications. I worked meanwhile at the Museum, measuring, photographing, etc. the choicer mammals of the collection. Troughton left for his vacation at Lord Howe Island on Dec. 17th.

I attended the annual museum "smoko" as guest. There were witty speeches and several paid entertainers. Very enjoyable.

Met the zoologist A. Sherbourne Lesouef, who took me to lunch at the zoo, & wanted to arrange for me to visit his sister's station at Widgiewa (southwest N.S.W.), Mrs Otway Falkiner. Lack of equipment prevented.

(Una)

Met E. J. Helstrom, wealthy manufacturer of refrigerators, who is interested in helping the zoo (the kangaroos & a collection of African mammals), & has a large private collection of parrots and birds of paradise. His assistant: Mr Aspley.

Visited Yvonne Rivin's father, Mr. J. Aurousseau at Manly* and her cousin, Mrs Tom Miller at Cheltenham.

* Bus no. 140 to Woodland Road

Discovered lost branch of my own family — Reginald and Gladys Tate at Woollahra and Bondi, respectively.

Besides "Troughtie", the Museum men met were: A. B. Welkom, Director; Gilbert P. Whitley, Ichthyology;

List of Mammals of NE Australia
Based of "Burred Animals of Australia" - E. Troughton, and other work.

	Collected	Ravn & Neuhauser
Ornithorhynchus anatinus ploxinus		✓
Tachyglossus aculeatus acanthion	✓	
Antechinus flavipes adustus	✓ ✓	✓
" godmani	✓ ✓	✓
Planigale ingrami brunneus		
Sminthopsis crassicaudata macrura		✓
" leucopus	✓?	
Dasyurus quoll. (?)		✓
Satanellus fallucatus predator	✓ ✓	
Dasyuroides gracilis	✓	
" maculatus (?)		
"Striped marsupial Cat"		
Isoödon peninsulae	✓ ✓	✓
" macrourus torosus	✓ ✓	✓
~~Echimypera~~ Perameles nasuta pallescens	✓ ✓	✓ ✓
Acrobates pygmaeus frontalis	✓ ✓	
Eudromicia macrura		?
Dactylopsila piscata	✓ ✓	
" furnosa (?)		✓
Petaurus breviceps longicaudatus	✓ ✓	✓
" norfolcensis gracilis		
" australis reginae		✓
Schoinobates minor	✓	✓
Pseudocheirus peregrinus peregrinus	✓	✓
" " incanens		?
" herbertensis herbertensis	✓ ✓	
" " colletti		?
" archeri	✓ ✓	
" lemuroides lemuroides		✓
" " cervinus		
Trichosurus vulpecula mesurus		
" " johnstoni	✓ ✓	
" " eburacensis	✓	
Phalanger maculatus medicandatus	✓ ✓	
" orientalis ?	✓	✓
Hypsiprymnodon moschatus	✓ ✓	✓
Bettongia lesueur (??)		✓
Aepyprymnus rufescens	✓ ✓	✓
Lagorchestes conspicillatus pallidior		
Dendrolagus lumholtzi	✓	✓
" bennettianus		

1947

Miss Joyce Allan, Conchology; Musgrave and McKeown, entomologists; T.R. Kinghorn, reptilia and birds; Tom Iredale, nomenclature & biological literature; Rainbow, librarian; Fletcher, invertebrate palaeontology.

In Sydney stayed at:

Stratford Hall (Mrs Neil) Phone FM 3687
47 Yarranabee Road (Bus 369 to Thornton Rd)
Darling Point.

Visited Botanical Gardens. Got a few books at stores: Angus & Robertson; Tyrrell; Moore (who knew Geoffrey Vernon); K. Stewart. (G. H. Barker at Brisbane)
Maps from Rainbow. Permit from Anderson. Ration Book.

Dec. 29 Left Sydney at 1.35 pm. Arranged sleeper on train. Dry scrub with small eucalyptus trees over high, rugg country. Much burnt.

At 2.50 down to the drowned estuary of the Hawkesbury River – miles of winding, twisted valleys among steep hills clad with dry forest. Oyster beds. Resorts.

3.02 Woy-Woy – a resort

3.10 Gosford, a biggish country town where there is some citrus grown. So far looked in vain for unburned country.

3.50 Morriset. Some good-sized hills west. Dore Creek. This is again drowned land. Followed by high ground.

4.10 Teralba, Cockle Creek. This is another large estuary. Entering mining country – slag heaps. Turning definitely away from the sea.

4.20 Cardiff, outpost of Newcastle

4.28 Broadmeadow. Swamps & tidal river reaching west. Saw magpies, Crows & Currajongs. Train going steadily up-valley.

5.40. West Maitland. Rock beds dip steeply to S.E.

6.15 Whole broad region denuded of trees and turned into dairy pasture.

A badly disorganized rush for supper at next stop – Muswellbrook – at 7.20 pm. Dark.

Dec. 30. 5.00–6.30 a.m. Light early soon awake. Country cleared all through highlands to Glen Innes, though

	Collected		
Petrogale inornata godmani ~~subsp~~	✓	✓	
Thylogale stigmaticus coxenii	✓ ✓		
" " stigmaticus	✓ ✓	✓	
Protemnodon agilis jardinii	✓ ✓	✓	
" parryi		✓	
" bicolor apicalis			
" rufogrisea ruficollis		✓	
" dorsalis		✓	
Macropus (Osphranter) robustus reginae	✓	✓	
" (Megaleia) rufus dissimulata		✓	
" (Macropus) canguru	✓ ✓	✓	
Hydromys longmani		?	
" moae	✓ ? ✓		
Xeromys myoides (?)			
Rattus leucopus	✓ ✓		
" conatus	✓ ✓		
" assimilis coracius	✓ ✓	✓	
" culmorum apex	✓ ✓		
" villosissimus			
Leggadina berneyi	✓		(which?)
" patria			
Mesembriomys gouldii rattoides	✓		
Conilurus penicillatus race			
Notomys alexis alexis			
" " reginae			
" aquilo			
Melomys cervinipes eboreus		✓	
" littoralis	✓ ✓		
" australis	✓ ✓		
" limicola			
Uromys caudimaculatus	✓ ✓		
Pteropus scapulatus	✓ ✓		
" gouldii	✓ ✓		
" conspicillatus	✓ ✓	✓	
Dobsonia magna	✓		
Nyctimene robinsoni	✓ ✓		
" papuanus			
Syconycteris australis	(which one?)		
Odontonycteris pygmaeus			
Rhinolophus megaphyllus	✓ ✓		
Rhinonycteris aurantiacus			

1947

Dec. 30. 15 minutes north of there the land is somewhat less spoiled.

6.30. A broad grassy valley & rocky stream flowing west. Much steep erosion.

6.33. Dundee. All steep country. Some wooded hills 10 miles west.

6.47 - 7.15 Good, worthwhile collecting country: —

6.47 Deepwater, 3183 feet.

7.02 Unspoiled hills east.

7.04 Masses of large boulders west, forested. Good hilly country. Railroad very winding.

7.10 All good ridgy country.

7.12 A green steep-pasture valley

7.13. wooded hills and stocked stream east

7.15 Unspoiled scrub east of track.

7.18. Bolivia. Weeping willows much planted in bottom lands.

7.32 Sandy Flat — farming. Wooded hills 10 mi E

7.42 Rocky hills west.

7.47 Rocky cliffs west.

7.52 Rocky hillside west.

7.54 Bentgulla

8.05 Tenterfield. Not good; too much clearing.

9.10 Wallangarra (boundary; change to Q. rr. track)

9.27 Lyra (no good)

11.55 Ravin. Termite hills numerous. Begin Darling Downs.

12. noon. Warwick (left there 12.20).

1.15 Clifton. Soil black & rich. Fertile wheat country "Stacks" of grain.

1.22. King's Creek. Low wooded hills 3 miles west. Dissected peneplain?

2.02 Cambooya. Open, black-soil farming country.

Toowoomba. Soil red before reaching.

7.30 Moreton. To Lennons Hotel, George St. B 3211.

The last portion: steeply down the scarp from Toowoomba for 101 miles to Moreton. Ipswich, coal-mining town. Numerous farmers' coal pits passed. Coal beds 20-30 feet down.

Dec 31. Bought a street map & took taxi straight to Queensland museum. Found director George Mack already there. He took me to Austins house where we saw Mr Brooks,

	Collected	
Hipposideros diadema reyŝae	✓	✓
" cervinus	✓	✓
" albanensis	✓	✓
" semoni	✓	✓
Macroderma gigas	✓	
Nyctophilus bifax		✓
Pipistrellus abramus	?	
Chalinolobus gouldii		
Myotis macropus		
" australis		
(Scoteanax) Eptesicus Scotecinus ruppellii	✓	✓?
Scotecinus influatus	✓	✓
Miniopterus australis	✓	✓
Phoniscus (Kerivoula) papuensis		
Taphozous australis	✓	✓
" georgianus ?		
" flaviventris		✓
" nudicluniatus		
Nyctinomus australis		
" norfolkensis	✓	✓
Chaerephon ~~ptar~~ colonicus		

1947

Dec. 31 Cox son, a dentist, lives at Cairns, Brooks cleared baggage at me. It was delivered to museum at 4.30 p.m. just in time for us to break open the crates & take out the boxes.

Commenced planning western trips.

1948.

Jan. 1 Worked all day unpacking & rearranging contents of boxes. That evening crossed river to visit C. T. White, botanist of Botanical Gardens. Also met Mrs White, who brews a good cup of coffee. White furnished many details of special areas, not only for western line but for subsequent travel. Rains starting early.

Fri.

Jan. 2. To Botanic Gdns, where White introduced me to his new S.T. Blake and L. Smith. They added much more information. Plans nearly complete.

Back at museum now work on equipment. Question of permit and all-lines tickets - Also the 3 cent rule.

A visit in the evening from Mrs Ann Lethbridge, of Inkerman Sta., 200 miles N. of Normanton (5 miles from Julia Creek. Sandy Ridge Country). (See Jan 3)

Sat

Jan. 3. Called on manager of Penney's (B.P. Co, actually), Mr. McQuie about supplies. Mr. Kennedy, i/c the grocery department. McQuie mentioned Mr. B. W. Vidgeon, Chelmer St, W. Chelmer, who has a station right at Somerset.

Last night Mrs. Lethbridge gave name of daughter, Mrs (Dr) W. Griffin, Clermont, out from Emerald on the Winton Line; also of another daughter, Mrs C. M. Cuvee of Taldora, 120 m. n. of Julia Creek (between Charters Towers and Cloncurry). [Road to Inkerman: via Meungana, to Mitchell R. Mitchin.]

In p.m. Mack took me to the top of the nearby ridge, Mt. Cootha. Good view of city & sea, with Stradbroke & Moreton Islands beyond.

Sun. Jan 4 Len Brass called up in morning. We are to meet tomorrow. Spent most interesting afternoon & evening with Mr & Mrs Hebe Longman at their home at River Terrace, Chelmer. U 7824, via Indooroopilly. He was formerly director of the Museum. Mack has now taken his place.

Hobart M. Van Deusen,
12 Highland Avenue
Montclair, N.J.

1948.

I knew him in 1936-1937 when I was on the 2nd Archbold New Guinea Expedition. The depression (or inflation?) has hit them. They have a lovely garden. He has caught bandicoots Isoodon obesula at foot of garden beside river with box trap, and used to have Tachyglossus at times – also Pseudocheirus and Trichosurus. In garden many interesting plants: Lagerstroemia, Monstera, Plumbago, Acacia. Took a couple of photos of them (the Lagerstroemia).

Mon. Jan. 5. Brass came to the museum to meet Mack. He & I took supper with Mr & Mrs C.T. White. Smith, White's assistant was also there.

Tues. Jan. 6. The permit for the Archbold party was brought over in the morning. I took my gear to the station at 11, and left on the 3.20 train.

Was introduced to Mr O'Shea, politician for out in the western line areas, who knew a good deal about the country. Also met Mr. Allen, agriculturalist, of the National Research Station, 20 miles SE of Cunnamulla, who suggested I go out to them. Changed my present destination from Mungallala to Angellala on advice. A scot named Buchanan got on at Toowoomba.

Noted some (doubtful) interesting places:- Lockyer Creek; 556 feet; banks lined with lush vegetation. Murphy's Creek, 796 ft. More woodry but creek smaller. Rocky cliff opposite Calvoba, rearing summit. Reached Toowoomba on time – 7.15 pm.

Wed. Jan 7. Awoke after we left Roma about 5 a.m. We were going through grazing country almost deforested. A quite large impounded body of water at Eurella, 1262 ft, 352 miles from Brisbane but no change of Terrain until after leaving Mitchell, 372 miles. There are low hills both north & south of Mitchell about 10 miles from the railroad. Another hill north of Wandilla, 384 miles. Quite good undergrowth at 392 miles between Ambrola and Oolive, 393 m.

At Mungallala, 400, where I had intended to stay, I found everything cleared for miles. Both mulga and brigalow present in almost equal quantities. Morven is quite a little town, with rocky out crops to S.W. Just beyond is the "natural"

open grassland named Victoria Downs. Most of the land is thickly treed to day. There are very few creeks & those nearly dry.

Angellala

Reached Angellala at 10.45 a.m. (442 miles). Only two places anywhere near the tracks: the first is the railroad house, where Mr. & Mrs. James Mutch live. Mutch works only the line; Mrs Mutch acts as station mistress. The other party is Mr. Reilly, wealthy owner of a large property on the south side of the track.

Susanne (5) & Judith (2)

I am staying with the hospitable Mutchés. After lunch took a long walk up the creek, nearly dry except for the impounded water behind a 6 ft concrete dam. The country here is so flat that the stream becomes backed up for several miles. The trees therefore are said by Reilly to be being backed back for some 9 miles away from the railroad. There has been much burning. Old stumps show that the scrub was once much heavier. Most trees not over a foot or less in diameter. There are burnt remains of 4-footers. Some right along the creek are about that large, but most are about 2 feet. A few scrubby bits of brush adjoin the creek.

At 6 o'clock set out my 20 rat traps — 10 in flood-debris heaps, 5 in bushy places by the creek, 5 now in the creek valley.

I am camped on the verandah, my hammock slung cornerwise.

Thur. Jan 8. Ran traps at 5 a.m. Found two mice which are very like house mice (the female with 3+2 = 10 mammae.). Mutch set in his house & caught a number of others. Skinned the two wild-caught specimens. Rabbits abundant. A considerable variety of parrots & galahs. Apostle birds, butcher birds, crows, black-&-white crows, magpies, fantails, herons, grebes, "black ducks".

Went out at 10 with Mutch on handcar to see damment up water holes at 4 and 8 miles west. Kangaroo tracks in mud but not many.

Sunflowers & glaucous-leaved white daisies wild (escaped) around station. Creek nearly dry

except when dammed back. Heat very oppressive; — temp at 1.30, 92°; cold at night, & I needed extra blanket for hammock at 3. a.m.

Reilly says that there are "very few" animals left here. Possums "used to be here". Among the "roos", according to Frontil are the red & great gray, the wallaroo, the whip-tail (rarely).

Saw one fox. Red-winged parrots feed on sunflowers. Retrieved traps in p.m.

Saw blackish brown duck with eight young. Baby ducks swam across creek while mother stood near guard fully exposed. Young swam out from cover & whole family swam away down middle of stream. I followed on foot, finally catching up rather close. The female packed the youngsters in some cavities in the opposite bank (where, look as I would, I could not see them), swam out to mid stream & took flight.

Trapping is going to be very hard in this place.

Went out jacklighting from 8 to 10 pm up the stream. Saw a number of rabbits but absolutely nothing else. Night hunting in this country absolutely requires a compass. There are no trails. The semi-open ~~scrubby~~ forest is monotonously uniform. So far as I am concerned the southern constellations mean little or nothing. Wasted a shell on a glowing log (there is still much burning going on).

Fri. Jan. 9 It takes nearly 2 hours in early morning to run the trap line. Only 3 more house mice — all so badly damaged by ants as to be worthless. Took several photographs, kodachrome, for the record.

It occurs to me that mus has dispossessed the native rodents out here just as the placental fox & rabbit have routed the native marsupial fauna.

Temperatures 6. a.m. 81°; 10 a.m. 86°; 11.30, 91°; 3 pm, 90°. 5 pm. 87°.

Met Allan Barnes, manager of the Reilly property. He says there is rocky ground 2 miles south of the line 4 miles west — by second dam, & that wallaroos, Grays & Reds reach, but no whip tails. He says there is a skeleton of a flying phalanger hanging on the wire fence 4 miles west, & that once a koala was seen. (This last doubtful to me.)

Sat. Jan 10. Temp. 8. a.m. 73°; 6 a.m., 75°.

Left Angellala on "western mail" train for Mirrabooka, near Offham, where Mr. N. Geary had invited me. The way leads through quantities of Mulga to Charleville. There I met Mr. Buchanan and Mr. A.A. Baker, mayor of Charleville. The latter very anxious that I should go out to the Carnarvon Range, 160 miles north, where aboriginal burials and outlines of "hands" in caves are plentiful. There was a dining car which was put on at Mitchell. A sleeper was cut off at Charleville.

Around Westgate, 13 miles W. of Charleville, where the Quilpie line branches off, I saw a "bottle brush"-like shrub, 4-8 ft, with large orange inflorescences. A pink ~~daisy~~ Portulacca all along the tracks.

Along toward Dilalah (517 miles) the mulga is smaller + closer. Very large "downs" at Wyandra and Cleverton give the impression of artificial clearing. But Mr. Geary assures me that all such grass-covered areas are completely natural. Quantities of pink breasted, pearl gray galkah parrots.

Ants everywhere very bad. Large red mounded Termitaria, the latter sometimes taken over by large active, black road-making ant.

Mirrabooka and Offham. Mr. Geary's station at Mirrabooka is on an "bore drain" — small stream flowing from an artesian bore hole. It is a fine large sheep property with an excellent house, well screened, with ample water piped to the rooms. A delightful shower.

cypress pine, Callitris

Trees around include tamarisk, "pine" ( ), "box" ( ), gidgie ( ).

We at once set out 20 more traps in spots that looked fairly promising (The gidd was a single house house).

We had roast lamb stewed potatoes with tried-custard pudding. Then both of us washed up. (The family is away, Mr. G. alone).

I slung my hammock out on the porch, but a wind got up between 12 + 2 & so cooled the air that I had to move inside.

Sun. Jan. 11. Innumerable parrots screaming & crying at dawn. Up at 5 30 to run traps. Bkfast of dry cereal & bacon & eggs. Did a big wash in large zinc wash tubs (this house has everything).

Mr. Geary showed me number of photos of abo. work in Carnarvon ranges (almost all the burials have been desecrated he says). He had also some very good pictures of the Bungle Mts., and of an abo. tribe living 200 miles n.w. of Alice Springs. He gave me some of the latter & also a print of two very unequal-sized young in pouch of Macropus giganteus (= canguru).

The fly pest is just as bad here as elsewhere.

Temp: 11 a.m., 93°; 3 p.m. 95°.

Photographed house; also some trees: "box", "pine", bumbut (a narrow-leaved, dense, sprawling shrubby tree), and gydea ("gidgee"); also tamarisks by house. Two small birds, a blue and a yellow, in same colr picture.

Mr. Geary & I drove in his Chevrolet pickup ("utility"), eastward across the railroad & camped by the "fore" drain (overflow ditch from artesian well). I had ten each of rat & mouse traps which next morning were quite undisturbed.

We looked at dusk for bats but saw none.

At 8 p.m. went out with hunting lamps. After passing at least a score of rabbits saw a kangaroo browsing on the "couch" grass at the side of the ditch. It proved to be a doe of Macropus canguru with a large joey in her pouch. We lugged the two back to camp between us.

Mon. Jan 12 Up soon after 5, started the tea water boiling & picked up traps. We left at 6, as there were two good sized animals to be skinned. The nipples in the pouch consisted of 2 pairs. Three undeveloped were but 3 mm. long. The fourth was 80 mm. long.

The young had paired large glands on thorax beneath skin - probably thymus. I was cut, i² just coming through. I thought I could feel the cheiduum i³ reported by me in the Journal

E. coolibah

of Mammalogy late this last year. I^3 was not developed. The only check teeth were $p\frac{3}{3}$ and $dp\frac{4}{4}$. The movement of the lower rami may spread the incisors for cleaning.

Temp. 3 pm., 96°.

Drove over to Offham, 565 miles from Brisbane, in the afternoon. A more picturesque homestead than Missibooka, with much more shade and an ever-flowing six inch bore only a little way from the house. We drove down to Goulburra Hole on the Warrego River and camped there for the night. ~~Plenty~~ rat traps and ten mouse traps produced only one straw coloured house mouse (which am saving). Jacking from 8 to 10 resulted only in the accidental shooting of a Boobook owl, the paired eyes of which I thought were those of a flying phalanger. No other eyes, not even of a rabbit, were seen. A few bats flew through the beam.

The Warrego at that place is a substantial river with numerous dry flood beds, which made perfect hunting trails for use of the hunting light. (see photos)

At Offham we stayed for tea & met the manager Mr Palmer & his relatives. Offham is Mr. Geary's real headquarters. He is just holding the fort at Missibooka in his brother's absence.

The vegetation at Goulburra Hole is the finest I have seen in western Queensland. Huge Eucalyptus rostrata, gums with beautiful smooth pale ~~pearly~~ green bark fringe the water, and great gnarled old Eucalyptus coolibah, Coolibahs, with shaggy, blackish grey bark stand higher up on the dry soil. Masses of bushy fringing shrubbery are formed by low-growing Tea-tree, Melaleuca.

The bore has been flowing since 1908. ~~years~~ Its flow during that time has fallen off by about 20 %

The great rat plague of N. Queensland originated in the Hughenden area in March 1909. Were they R. villosissimus? There was a light mouse plague in 1908. Both years were "good" years for vegetation. The rats appeared in such swarms that if a bone were thrown out from the camp supper table eight or ten would rush to eat at it. Saddles, everything eatable had to be put away at night & all houses doors tightly closed. For

1948.

miles the most of the outlet prog fences was clogged by the bodies of the rats, caught at their hind quarters.

Tu. Jan. 13 Took several pictures at the river side camp on the Warrego, then home to skin the mouse.

Mr. Geary gave me what looks like an ammonite, collected Jan. 1906 at Cameron Downs Station, Hughenden District in bank of Landsborough River, in reworked soil.

Photographed a green tree toad which at night wanders about the house emakes a grating noise like someone sawing wood.

Put kangaroo skulls out on "meat-ants" nest under protecting wire to keep away cat or dogs.

The periodicity of the rat infestations is like that of the lemmings but they do not recur in exactly the same regime.

Note { Mullbulán Guest House, Berriya Nts, via Dalby.
Lucerne patch, forester: Reg. Cullen (Ring Sterling)

Maiden, "Mayor" of Injune, store keeper, foot of cliffs (left) 50 miles from Injune. Bottle tree; eucalypt scrub. Roadman's shed on Boogerbo Creek. (Telegram, 3/8)

{ Lamington Plateau O'Reilly - Tambourine.
Spring Brook

Schroeder Dehn Warwick.

A pair of wedge tailed eagles on a dry tree. Geary has studied their nests. Wide variety: small pigs; bits of kangaroo; goannas; about 20% lamb. He has twice seen a pair of these birds kill full grown kangaroos. They beat them with their wings & wear them down - then literally tear them to pieces.

Fossils Timbour Creek

Therm. 4 pm, 86°.

{ At Dalby: Thomas Jack, mayor. - for Berriya Nts.
phone. Guest House: Mowbullan - (bats here). (school master)
phone. Stirling: In house in timber due west (property owner).
Cullen's Camp: Lucerne patch (forest ranger) & stack.

Wed. Jan. 14 A very cool night. Temp. 5.30 down to 68° Two house mice in traps. The white-bellied animal taken y'day may have been a Thylacinus.

Mr. Geary reports that a house cat once brought in a fat-tailed "mouse" (Sminthopsis). No trace of them at present.

Divisions. { Taroom.
Adaville west of Charleville.

Baxter.
Baker.

Modifications, defects in equipment: black lended pins to be smaller; smaller needles; finer thread; bait needs more peanut butter (wetter); arsenic + alum to be crushed finer; frying pan; more bread; writing pad; stable lantern.

Dalby: Fossils: Thomas Jack - opp. T. T. + Co. (cross line to S. side). Hotel Russell.

Late afternoon again visited Offham. Had supper with the Palmers there. No mammals. Geary gave me some photos of natives, arts, a good picture of the cliffs of Carnarvon Range (which I'll not have time to visit).

A Tachyglossus was seen at Offham 2 months ago. "Forty years back possums + 'bears' (koalas) occurred along the Barrego River." A few bats sometimes seen. Rats ("water") occasionally taken. No regular rats known. A few mice there. Bilbies and the common. Saw steep spurs.

This is a land of spurs + burs: the "galvanized bur", a corn cockle that may have come from America. Other miscellaneous burs. Geary thinks a dust storm threatens.

Driving back to Miriatooka saw the eyes and form of a small fox.

Thur Jan 15 Picked up trap + caught 9.30 train returning towards Brisbane. Plan to get off at Dalby + go up to Bunya Mountains.

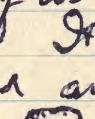
Man on train declares: wallaroos used to be common near Charleville - Quilpie line; emus still common, red kangaroos on Mitchell grass downs; grey kangaroos in mulga. Black-striped wallabies (found) few miles northeast of Charleville. Possums got diseased; their bones often in hollow trees. Bilbies were common 40 years ago. He has cliffy ground on his place. Rings-barking desires farm out. He pays 25/- per day to man for ringing trees.

Fri. Jan. 16 Reached Dalby at 5.30 a.m. Everything tightly closed till about 8 o'clock. Called on Mr + Mrs Thomas Jack. He is mayor of Dalby + much interested in getting out fossils. He had a garage + hardware business but has abdicated in favor of his son. He is a Scot from Mackie, William Billes: 40 mi. from Condamine Highway Chinchilla is of late fossil)

No car available to go to Bunya today, but Mr. Jack's general manager Mr. Boxtin arranged for Mr. Baker of Bunya to take me up tomorrow. Meanwhile we have talked fossils hard. Dinosaurs from "upper Permian" at

Tarroom, Adaville west of Charleville, and (the first ever found, according to Jack) from

"Chinchilla forms western edge of drift-covered lake. Other localities are various creeks cut in the black-earth or at Mockies place at Wiambilla, 40 miles down the Condamine Highway, at Timbourd Creek & other of the Condamine drainage system. Hard gizzard sandstones nearby ...."

Mr. Jack has still a few fossils - parts of Diprotodon chiefly. He has one which neither of us have seen rare: I am going to photograph it. It is part of a mandible, the inner half chipped away, exposing a single longitudinally ridged tooth  and traces (impressions) of alveoli in front and behind it. Externally there are 3 small foramina. Beneath the nerve canal is wholly exposed by breaking away of the inferior part of the dentary.

Red kangaroo very common 40 years ago in around Dalby.

Engaged a room at the Hotel.

Stringy trees, carpet snakes, up on Bunya.

Chapman of Melbourne (palaeontologist).

Site found: Ringtail; Possum; phalangers; mouse possums; scrub wallaby; dingos; grey kangaroo at fort; wombats; native rats & mice; marsupial mice; bats; (caves below Stirling House).

"Bed of Condamine averages 20 feet below general ground level."

Fossil leaves (Eucalyptus?) at Glen Morgan - Senat - 100 m. SW of Dalby. In lateritized conglomerates. (2 specimens)

Black lizards in Dalby 1890. Now all gone.

"At Brigalow during prickly pear pest the death adders were so plentiful that people couldn't go about at night without a light."

Bunya Mts.

Sat. Jan. 17

Myall Creek (photo.)

Due to leave Dalby with Stan. Baker (who turns out to be the son of mayor Baker of Charleville), but we did not get away till 10.30. Reached the foothills of the Bunya Range at 11.30 & got up to the Guest House at 12.30. The way lies north over black soil planted mainly to wheat. Then the country changed in patches to outcrops of "basaltic" (said to be) rock - low flat-topped hills - outliers of Bunya Range. The grey-green Eucalypt forest persisted, then became interfingered with the deeper green of rain forest, of which

A number of bare patches of pasture – often very steep – swept up thro' the forest to the crest. They looked artificial to me.

impressive quantities in patches and bands coned to seen higher up the range. The road became increasingly bad but the Ford pick-up climbed it quite well. We gradually entered ~~a~~ valley, crossing & recrossing a small stream repeatedly. We were climbing near the eastern end of the ridge (which it really is). But still, to the right (and east) lay a very large high patch which Stan said was "forest reserve". Stan has been a good deal of lumbering of the Bunya pine and Hoop pine (both Araucaria!).

We reached the narrow crest in an area pass covered and bare of forest and turned northwest. We could lookout equally to right of have to the lowlands of the coast or the lowlands of the interior. Soon we entered fine rainforest & keeping more or less to the divide descended & ascended to the Guest House.

This guest house was built by Mr. W. A. Russell, a former prominent citizen of Dalby, who owned several thousand acres of Bunya & willed them to his native town. (A little drinking fountain in stone is erected on the top to his memory.) The house is now occupied by Mr. & Mrs. Athorn (pronounced "aye-thorn"), who despite the bad road & lack of a telephone are trying to run it as a hotel. I was given my pick of the rooms as I was the only guest.

After a really excellent dinner I started out westward along the continuation of the trail. Found a camp occupied by Mr. & Mrs. McClemand & daughter; met the local postman, Mr. J. Strang; found a W.A.C. camp (vacant just now); & a little beyond the home of Mr. & Mrs. Stirling owners of very considerable property on Bunya & elsewhere. Just beside their home is the little bungalow of Stan Baker & his wife. He has two children & also staying there are his mother & a young raptor from Brisbane, Rowan Campbell.

R. Cullen & Ted Richardson are the forest rangers whose home is located beyond the Stirlings' place. I met Cullen & the afternoon & Richardson this evening.

Set out 25 mouse traps & 10 rat traps.

Sun Jan. 18 Very busy. Last night shot two Ps. subvidus and two ~~Ps.~~ ~~Trichosurus~~ ~~phalangoides~~. The subvidus ♂ + ♀ were a mile apart, the ♀ with 2 functional nipples. The ~~phalangoides~~ Trichosurus were in the same tree + probably mother + daughter. In the traps 2 Rattus assimilis + 8 mice, apparently of two species, though I'm uncertain. Don't know whether one of them is Mus musculus. They are all rain forest rodents, though some have taken to visiting the pig pen which is close to the edge of the woods but in the open.

Skinning till 3 o'clock then went out with the foresters + Weis McClemon + young Allan Stirling to the west end of the ridge through the park to see grass-trees there. Road very bad. There is a road to "the falls" (which are dry), + a side trail to the "lucerne patch" (no lucerne) where the two forestry boys have their camp. On way back saw a 5-ft carpet snake (photo). Met Mr. Stirling on his way back from the Lowlands. He is about 60. He, the foresters + I went out night hunting in the evening. Shot a snake ~~Ps.~~ ~~Trichosurus~~ ~~plex fumeus~~; saw another + left him. Saw Rattus assimilis up in a stump 6 feet from the ground. So evidently they are good climbers. Young Rowan brought in ~~three~~ four bats just as I was returning from rebaiting traps. Will see later what they are. Got to bed just before midnight + the night before at 11.15 pm. Feel the need of a rest.

Mon. Jan 19. A few mice in the traps. The four bats are either P. pipistrellus or Eptesicus (the former, I think). Took quite a number of photographs in the afternoon – both colored + black + white. Most of the collecting + observing done in right on top of the range or down only slightly into the rainforest. The rainforest (here called scrub) in many places crosses right over the top of the ridge from side to side. At other spots it is interrupted either by open Eucalyptus forest (here called "forest"), or by open grassy knobbs + lunnochs or meadows. I hope the color pictures will reveal the odd mosaic made by interfingering of the rain forest + eucalyptus areas – the dark green against the gray-green.

E. tereticornis blue gum.

The open spaces look artificial & contain such weeds as thistles, while along the roads through the scrub are imported nettles & dock. The open spaces are nevertheless hundreds of years old; however they may in part represent old clearings or old burns. Any soil changes? Basalt the country rock.

Lots of birds are seen or heard, including red & blue parrots, brown birds, & the coachwhip bird.

The national park occupies the north western end of the Bunyas, privately owned land the center (when I ~~came~~), and the forest reserve the south eastern end. The Bunyas are an elevated portion of the dividing range.

Temperatures 7 p.m.; 75°; 6 a.m. 60°; 3 p.m. 79°

Tu. Jan. 20 Reached Mr Stirling's house a little before 8 a.m. to go with him, Richardson & Callan to a cave where bats were alleged to dwell. We found quite a party of would be cave seekers there. The McClemands & Mrs Stirling went as well & also three children. The way led along one of the lateral crests of the main range, S.W. dipping at the tip very steeply down some 1500 feet to a ravine. A line of 30 ft limestone cliffs about 100 feet above the stream had been somewhat water etched to form shallow caves. The largest, a circular room some 10-12 feet in diameter formed the entrance of a low tunnel running back into the hill. There was at least a foot of guano dust (& perhaps much more) on the floor of the outer cave & continued to the inner one. I netted the inner tunnel & squirted SO_2 into the tunnel as far as I could crawl, but no bats appeared. I have no doubt they used to go there. But am equally sure that they have not been living in the cave for many months.

On way back up spur saw "basaltic" cliffs to N.W of us leading an adjoining valley. The geology here seems to be quite involved.

Excellent soil in clearings — red-black earth — grows potatoes, beans, squashes, strawberries, peaches, lettuce &c.

Noted distinction of Loop pine & Bunya pine. The former has the leaves subaculeiform, only 3/4 inch long, & set all around their stems. The latter are broadish, flattish, sharp tipped, & lie flat to the sky. Hoop pines appear dark-foliaged & grow down at the 2000 ft level. Bunya Pines have much paler green, peculiar tips (see photos), & grow at the 3000 ft level.

Rattus assimilis was trapped in empty house.

Stirling drove me and the forestry men out six miles through the park towards the grasstrees and we hunted back from there for about 4 miles between 8 & 10 pm. Saw two Pseudocheirus rubidus (1 shot) and four Trichosurus (none collected). Moon half full. Two of the Trichosurus were mother & child, the other isolated.

Wed. Jan 21.

After skinning went with Richardson, the forester, for a four hours walk through the Park. We took the turning down to the Falls (now virtually dry). Trails beautifully laid out & graded - a trifle narrow but excellently level & easy to walk on. What a pity the approach from Dalby up the mountain is such a bad road!

Saw nearby of foamas & the smaller "water foamas". Got right down into the hoop pine country. Took lot of pictures. Found deposit of owl ~~dest~~ contents (scattered) with the spread of the roots of a large fig tree (the cover all rotted away) comprising Rattus assimilis and Pseudocheirus rubidus. Saved some.

Bower birds said to prefer blue flowers so. The male has various antics - lies on his back & kicks his legs. Nest in bush only a few feet up from ground. Use same bower year after year (Stirling).

"Fern" wallaby may be the rare M. parma.

Sunset 6.53 pm.

Stinging trees may grow very large 4-8 ft at base. Resist cutting down by suckering from roots. Root easily, even from short pieces, like sugar cane.

1948

Thur. Jan 22 — Packed up & went down to Dalby. Saw one swamp wallaby, P. bicolor, 2 snakes, black with orange belly, one tiny hare.

Timbour Creek. — Tied up affairs in Dalby, had lunch with Mr & Mrs Thomas Tack. In the afternoon they drove me out to Twelve Mile Creek to look for fossils. Found bits of Diprotodonts & Macropods in bed - never in banks. Heavily incrusted with lime.

(photo) After tea Mr Tack gave me the fragment of mandible with the flat-crowned grooved tooth in it; also a nearly complete mandible of a Diprotodont. Then he gave me a peculiar hollow, horny but tooth like specimen somewhat resembling a premolar. What is it? All these from the bed of the Condamine River.

Timbour Creek runs a few miles to the west of Dalby through "black earth". Vertical sections 6 ft high show few sandy lenses. Bed of creek, nearly dry, is full of limey nodules & concretions. The creek heads up in the Bunya Mts. For possible source of lime - see bat-cave strata (p.). Basaltic rock at top of in foot hills (within few miles of Dalby) of Bunya mountains. (Photo of creek)

Saw another hare.

Sic Jan. 23 — By train Dalby back to Brisbane (5.30 am - 1 pm). Unpacked specimens at museum. Conferred with Mr Brass. Tomorrow is half day only; Sunday & Monday (Australia Day) are holidays. Much to be done. Called on Lt. S. Consul Peck.

Brisbane

Sat Sun Mon 24 25 26 — Busy reorganizing & at museum. Visited Longman again. Photographs & studying museum specimens. Monday was "Australia Day" - everything closed.

Left at 1.15 pm for Cairns. Due to sleep at Townsville. Mack still away. Had new conference with C. T. White over itinerary. Telegraphed H. G. Simmons, Bot. Gdns. Rockhampton.

Tue. Jan 27 — Application for registration (new law). Special photos taken. Work in museum. Photographs skulls etc.

Wed. Jan 28. Passport photos deposited: permit to be ready tomorrow. Few box made at mus. to contain camp gear. Photog. more fossil types.

Thur. Jan 29. Mack back from vacation. Bought sleeper to Rockhampton. Checked baggage to same (overweight charges 8/-). Made quite a lot more photos. Left Brisbane at 9. p.m.

Fri. Jan 30. Sleeper until a little before Bundaberg, where had breakfast. The best proportion of the country northward from Bundaberg is in light Eucalyptus forest. Cane fields (sugar) are plentiful both sides of Bundaberg.

I noticed arboreal termite nests against many trunks and branches.

Had as fellow traveler Mr. — friend, owner of department store in and President of the Board of Trade of Gladstone. Took one color picture near Rosedale (251 miles).

To west all way north ranges of ~~high~~ hills — mainly in eucalypt scrub but with a few pockets of dark green forest.

Cold scrambles for breakfast + lunch at Bundaberg and Gladstone (328)

Beyond Gladstone much fine. Quite high hills on east side of track near Yarwun (339 miles). Highest feature is Mt Larcom.

Mtns also reappear on west — Mt Morgan dominates.

A good sized river (about 360 m.) with narrow fringe of green vegetation.

A sisal plantation at Sisalana (in flower). (372 miles)

The little quarry at Marmor (370 m.) where Longman received fossil fragments. (the Berserkers)

Considerable hills, on peninsula east of Rockhampton.

Rockhampton

On arrival got in touch with Mr. H. G. Simmons, Curator of Bot. Gdns from Criterion Hotel (all found for 18/-). He introduced me to "politicians" of local vintage. Later the Hotel mgr, Mr. Smith presented me to Dr Leeds.

Plans still unsettled want to visit localities of sort. interest but today is Friday — a bad day due to coming weekend.

Sat. Jan 31. Mr. Simmons turned up trumps. He took me to call upon various people, beginning with the Mayor, Mr. H. J. Jeffries; Mr. F. Jardine, Headmaster of the Rockhampton boys grammar school. The Town clerk & various aldermen; ~~[illegible]~~ and Mr. F. M. Allen and Stanwell, stone-merchant who owns ~~a~~ quarries at Gracemere where he claims there are "kangaroo ~~rats~~ rats" (meaning Bettongs?)

We are also tracking down two naturalist brothers named Vallis:- E. C. Vallis (entomology &c), Berserker St., R. and R. E. Vallis (mammals), Stanford St., R. The latter is for the moment at Yeppoon, whither we go tomorrow on the way to Byfield.

In the afternoon we drove out a dozen miles along the "western road" and turned off SW 2 miles about to Mr. Allen's quarry at Stanwell. I took along my hammock & spent the night there as I wanted both to pick up my traps very early and to do some night hunting. We walked up to the quarry. I set 15 mousetraps and 5 rat traps there. Signs (droppings) of ~~[illegible]~~ rock wallabies were plentiful over and under the piles of loose "carboniferous" sandstone. But when I walked up there that night I saw no trace of them. The quarry has been abandoned for many years and quite thick young trees have grown up between the railroad ties. "Rosewood" (Eucalyptus sp) is common there. The area as a whole is quite wild but absolutely dry & barren.

Ten traps in the creek bed by camp produced nothing. A sight near house-mouse from the quarry traps.

Mr. Allen told of two old "Lattes" who lived near there, interested respectibly in gardening and alcohol. They quarried all the time. One used to eat the wallaby carcases Allen shot.

Sun. Feb. 1st. Had a quiet night. Up at 5.15 to collect the traps. Simmons came at 7. Had had cake & water for supper & breakfast. Simmons took me back to the Bot. Gdns for bkfast (second) & to skin my mouse.

The Stanwell quarry was in eucalypt country - very dry & rather rocky. Most of the land near Rockhampton is dried up swamp. Some old ox-bows - perhaps parts of the Fitzroy River.

We set out for Yeppoon and Byfield. The latter is noted for the "Byfield fern" (a cycad), and is type locality for one of Troughton's mice. Yeppoon is on the coast; (photo) of island off shore (SE). ~~Pick~~ Picked up Allen who is much interested in nat. hist. (all phases).

Road through eucalypt scrub - bloodwood trees all in creamy bloom, also a cream-yellow wattle. Whitish banks of the "scented gum" (Eucalyptus).

At Yeppoon picked up Ted Meiland (pronounced "meeland"). Formerly resident at Byfield who has recently sold out to Cyril Darwin. We then hunted out Bob Vallis (the naturalist). I arranged to meet him in Rockh. later.

Road Yeppoon to Byfield starts along cliffy coast but soon turns inland. After 10 miles woods change. Become denser. Dark-foliaged "turpentine trees" appear. "Stringy-bark" storm me. At dry creek the Byfield fern. "Rocky Creek," 5 miles s. of Byfield permanently running. Palms. Creepers. Figs. Two species of Banksia (bottle-brushes).

Byfield — Reached Byfield at 3.30. Mr + Mrs Eugene Meiland there at home. Also a lot of their relatives + the young man to whom they are selling their citrus property.

Went on 2½ miles to a deep creek ( ) the bottom of which is formed by tertiary lignites (in which Major Jeffries is interested. Found no better collecting places so returned to Byfield.

From 3.30 to 6.30 set out 30 more traps.

Jacking found wood fall of flying foxes feeding on bloodwood flowers. Shot 1 P. scapulatus. Tired.

Mon. Feb. 2nd. — One Rattus melanop in traps. Early morning temperature 72° (6 a.m.). Heavy dew. Chilly.

Set rest of traps today. Took series of photos, both black + white and colour. Teiid lizards in traps (photo). Ants everywhere.

Traps in Water Park Creek for Hydromys. Five palms, some lawyer cane (not bad). Two cycads (including the Byfield "fern"). Many She-oaks in dry land areas. Many Kookaburras.

dl 1 max.

8.06

1948.

At night shot another Pteropus scapulatus and a gray possum, Trichosurus, with pale ears & with the tail far less haired than that of the Bunya Mountains.

Tues. Feb. 3. Night much warmer – 78° and increasing humidity & cloudiness. In morning cloudy & threatening. Rain began while I was out at trap line. I decided with the change of weather to pick up all traps.

Found a large male Hydromys in one of the water sets along Water Park Creek. Nothing else but a couple of skinks. Spent all morning at skinning. Simmons due in afternoon.

Simmons arrived at 3 30 pm. We were back in Rockhampton by 6 pm. After supper went up to the Gardens for the evening. The railroad strike (all Queensland) is on. Don't know what may become of my projected travels yet.

Wed. Feb. 4 W. Vaughan, Kodak, Rockhampton
" Harris " Townsville.

Set the trays of specimens out to dry at the Botanic Gardens. Did other chores. The railroad strike threatens to cramp my style quite badly. Am to meet local naturalist R.E. Vallis this afternoon to see what he suggests.

Met Vallis in afternoon & arranged with him to go out to a valley in the Berserker Range, east of Rockhampton, on ~~Wednesday~~. Thursday. Wrote to Cliff.

Thur. Feb. 5 We set out for the Berserkers almost at noon. It was not far. Simmons came along in his car too. We set up camp in the valley bottom of Brewers Berserker Creek. The creek was rocky & full of big stones and Hills. bone dry except for a teacup-sized hole in the basalt (or slate?) at which every wasp, bee, & fly in the region was filling himself.

The creeks before drying had served as breeding places for countless mosquitoes. Black, high-powered insects that came at us even in broad daylight when we went up to set traps in the p.m. Between us we set about 50 traps, which next day resulted only in a couple of birds.

known locally as "Scotts Swamp".

Friday Feb. 6. That evening, besides the small black mosquitos we were visited by a few very large pale grey ones with white marks. Later I put up the head light & went nearly to the top of the hills but saw nothing, though I did hear a wallaby. Vallis has a tame one however — the P. dorsalis.

The lack of wallabies in the dry areas is really striking. It looks as though they almost died out, perhaps breeding up again after the rains (which are now overdue).

The fire hazard in Brewers creek was very real. Masses of tinder dry Lantana were everywhere. We built our fire in the creek bed among the stones.

~~The lot.~~

The total failure of the traps combined with Vallis' description of another locality with permanent water, induced me to clear out of Brewers Creek at once. We packed up and went back to Vallis's, intending to make a very early start next morning.

The shine seems very bad.

Sat. Feb. 7. We were joined by "Closey" Vallis on our trip to the "Serpentine", 5 miles north of Mt Hedlow about 30 miles north east of Rockhampton. "Strip" is one of a fine series of ox bows, dug out quite deep - to 8 feet - but closed off at intervals. These arise in the coastal hills & flow west into the Fitzroy river. On the way out passed a ~~stalk~~ dead nearly decomposed Aepyprymnus.

Vallis Bros say P. dorsalis is commonest wallaby, but the whiptail and the swamp wallaby occur, as does the great grey kangaroo.

Along the "Strip" quantities of blue water lilies; large egrets, "black" ducks; black swans (3) seen. Closey caught a catfish & a tortoise with fork & line in a swamp used by cattle. Dorsalis wallabies seen on low "hill". Much barking & ring barking in woods. Dasyurus found on "hill". Plenty of water rats & a kind of shells eaten by them.

That night we hunted. Two wallabies (dorsalis), 1 ring tail (longicaudus), 1 Schoinobates volans, 1 Thylacinus. In traps 1 Hydromys, 1 Mus (?).

The Pseudocheirus had a well dev. y. in pouch. Have saved skull so search can be made for dp 4/4.

Sun. Feb. 8. A storm of wind & rain greeted us at 6 a.m. & lasted till about 10 o'clock. Terrible ordeal; lost keys, but found them again after hours of search.

Skinning six wallabies – what a peculiar and horrifying stench the Sciurobatis gives off!

Back in the p.m. Left camp at 1.30 in Pat Vallis' old model T & reached "Rocky" at 4 o'clock. Some rain threatening. The season is changing at last. Took everything to Simmons' house by the "Gardens" & opened them up to dry. Forced work on them tomw.

Closey regretted we found no bandicoots. Said there were two species. Also said that the phalangerine squirrels, australis, breviceps, Acrobatis, can only be seen at blossom trees. These were rare (& in spite of the fact that bloodwoods were in flower at Byfield).

Mon. Feb. 9. Spent day cleaning skulls & putting finishing touches on skins. Arranged tentatively to go out to Mt Etna (10 mi. n.) to limestone caves after bats. RR strike now complete. Weather showery. Temperature cool.

Tues. Feb. 10 With Simmons & Vallis drove to Olsen's Cave, Mt Etna, about 10 miles north of Rockhampton. An extensive series of caverns dissolved in the limestone – stairs + bridges built in. Olsen was away. Collected a number of Rhinolophus, the dominant bat and signs of Taphozous and a vespertilionid – perhaps Scotinomus?

Skinned under Simmons's house that evening.

Saw brown tree-snake.

Weather rather wet.

Wed Feb. 11 Heavy rain. Put finishing touches on Olsen's cave bats. Strike getting worse: picketing of emergency bus transportation. Possibility of going out after the wombat described by Longman from "Epping Forest", 60 miles from Clermont. But don't want to get marooned there.

Thur Feb 13 — Made reservation by ANA to fly to Townsville next Tuesday. No sign of strike ending. Taking part of baggage by air - rest by trains when they run again. Put traps out in Botanic Gardens but took only the bushy rooms. No rats. Some bandicoots said to be about. Photographed grey kangaroo & whiptail at zoo - also emeus and "native companion" or brolga.

Sat Feb. 14. — Tardive, F. Physiography of the Fitzroy Basin. Roy. Geog Soc. Queensl., about 1923-1924. He gave me several other of his papers. Summers conducted us all through the botanical gardens.

Talking to man from Wyndham (100 miles), on Fitzroy River of north Western Australia. He records (he thinks accurately) an great plague of rats which "came from the south" in April, 1934, followed by a plague of feral cats. This was at the end of the rainy season.

Sun Feb. 15. — A very big day at Mt. Etna. First went in to Pilkington's Cave with his foreman and Bob Vallis. Had to descend 20 feet of rope & series of other difficult descents. Found Pipistrellus-like bats clustered in squeaking groups in hollow like inverted cup in ceiling. Shot one separately. Other bats flying about but no shot possible. Inside from 11 to 12. Moved to other cave, Johanson's Cave.

Caves

There found Macroderma gigas - small colony of perhaps 20. They hang up in groups of 2 or 3 - not very close together however. Carry shot. Considerable total masses of fresh guano - strong smell of ammonia.

Bob picked up legless lizard - narrow, pointed head.

I found skel of rock wallaby in J. Cave.

Bob picked up lower jaw of ? pademelon.

Preparation of 20 Pipistrellus & 7 Macroderma took till 11 o'clock at night.

Mon. Feb 16. — Busy all day packing, putting finishing touches on specimens, cleaning skulls, arranging details of air trip etc.

Tu. Feb. 17. Took £10,000 extra life insurance for £1-1-8 & sent letter to Brass making him my "legal representative".

Plane left at 8.50 Reached Mackay about 10, Bowen about 11 & Townsville about 12 noon. The eucalypt grey of the vegetation persisted all the way, except where man had intervened to plant pastures or sugar cane. At Mackay, for example, everything was a sea of green cane.

Townsville.

The famous Burdekin River was quite low.

There were many heavy showers inland, but seaward, where for the most part we flew, was usually pretty clear. No bad bumps.

At Townsville settled at Queens Hotel, a pleasant 120-room pub looking out on the sea. Found a letter from Keith Kennedy asking me to call between 3 & 3.30. Telephoned Simmons' friend Pat Andrews, Curator of Botanic Gardens, who gave me names of several people who might help. One was Mr. T. Robinson, proprietor of a butcher business, who had a property 200 a few miles out. Another was Dr. T. Breinl, a medical man.

Had my interview with Kennedy, whose interest is anthropology, & we decided to call W. Crewe of dept of Public Education regarding space for my specimens to dry out. The building where he is is close to the hotel & very convenient. I got a taxi & rescued my baggage from the ANA Office & opened up the specimen trays & added new formol mixture to the lot. Great relief to my mind!

Wed. Feb. 18. Very busy trying to arrange trip out of Town. K. Kennedy took me to top of Castle Hill 923 feet where I saw a relaxing fine inviting landscape. In p.m. Pat Andrews drove me to Hills N.E & back thru "common", where met Common Warden Mr Joyce.

Finally settled on Sudeh Inter for first trip with Mr Speck to follow.

Thur. Feb. 19. The man Davies, who was to take me out came with the most dilapidated of old Chevrolets. It got us there all

right. The way went SE across the Alligator & Crocodile Creeks, around the seaward end of Saddle Mountain, eastern offshoot of Mt Elliot and alongside the rr to Cromarty water stop.

A couple of Mt Elliot local stowaways were met.

Arrived at town of Tom & Mrs Marron, cane growers. Nearby is home Mr & Mrs Méans on whom I called, as they owned a patch of green scrub in which I wanted to set traps. The green scrub very mosquitoey but set 20 traps. Also put out in cane, alby bedgerows, in wood piles, etc.

Cromarty

Region said to be very barren. A few dingos. Some rock wallabies on isolated hill across swamp. ~~Both~~ St Margaret Creek very low but running. Tried fishing. Poor luck due partly to lack of trail & long grass. Saw two bicycosaurus. Two Rhinophylus killed with towels in bedroom.

Fri. Feb. 20. Traps yielded prize – 2 ~~melon~~ nice, which are probably house mice. Skinned bats & mice. Photographed. Went up valley to call on Duckworths (father & his brother & son). Not much prospect there. Native cats very rarely. Bandicoots – but try to get them!

Sat. Feb. 21. Davies came in his ancient "utility" about 10 a.m. Nothing but a lizard (skink) in any trap. Picked all up, packed & went back to Townsville to get ready for trip to Mt. Speck on Sunday.

Found a wire from Brass: the "Pardulia" with our baggage on board will not reach Cairns before the 7th March, & he has wired Geoff to fly if necessary.

Strike news still very bad. The railway men are now trying to stop oil deliveries.

Sun. Feb. 22 The Mt Speck bus left promptly at 9. a.m. We reached the guest house at the top, 2900 feet about 11.30. Mt Speck is merely a part of the granite scarp locally known as the Paluma Range.

Mt. Spec.

The trail leads WNW parallel to the railroad for 1½ hours – probably 40 miles, then it turns abruptly SW and climbs the face of the scarp. The first half

of the trip is well away from the mountains through much low swampy ground, traversed by frequent creeks, at least one of which is tidal. The vegetation is small eucalypt scrub – larger at streams. The cloud belt today stood at about 2500 feet & showers fell at Mt Spec about 1 pm. They've had much cloudy wea. & some rain lately.

The trail winds up & in most gorges through much fine forest – tropic pine, silky oak, she-oaks. At 1000 feet it crosses Crystal Creek falls (photos). A certain amount of logging is going on at high levels. There is a small township with a post office & one store. The P. O. is called Paluma.

Saw a live dingo in road ahead of the bus in the lowlands. He stood tiptoe on his toes with tail well up & only moved a little out of our way as we passed.

Torrential rain later. Leeches, pink & purple, abundant; also a small blackish one.

Mon. Oct 23 Heavy rain during night. Quite a number of Rattus assimilis in traps, including juveniles and post-breeding females. Two or three partly eaten (pretops by dasyures or feral cats.) One rat trap in creek bed taken away.

Mr. Cavil, who runs the guest house, has been a possum hunter. They used to make their baits of "pollard" brown (wheat) with addition of oils of anise and eucalyptus & put cyanide in it. The baits were put on the ground.

He says water rats and a large rat with white tail tip (possibly Uromys) occur. There is a skin of Dasyurus gracilis in the p. office. Cavil has a photo of another he killed in his chicken house. They call it "tiger cat". Also at the p.o. is a skin of a baby platypus & a half grown live Trichosurus, yellow-buff beneath, with ears rather pale.

The forest is good vine scrub full of lawyer cane & on hillsides which for the most part are very steep. The rock is granitoid. There is a little placer tin mined in the creeks. Drainage is eventually all westward into the Burdekin tributaries.

Showers during the morning. Everything very damp & musty. (By phone: no rain in Townsville).

Cavil says this green scrub extends only a dozen miles to the south and, four miles or so inland, changes back to

to eucalypt forest which continues s.w. over the main divide.

Heavy rain showers all afternoon. Returning at 5 o'clock I believe I saw Hypsiprymnodon. Saw it only indistinctly. It was rat-sized & slightly hopping in gait but going directly away. It seemed to go in among the flaring roots of an old forest tree.

Rain all night.

Saw small animal run from near waste-food dump behind guest house (old cans etc). It may have been a Trichosurus but according to Carol was more likely a native cat.

Caught two of the little "scrub turkeys". They are red-headed & look for all the world like bedraggled bantams. Both were in steel traps set for the Dasyurus near the dump. Carol says they are chicks; the adults becoming as large as a hen.

Tues Feb 24 — Rain most of night. Twelve R. assimilis in traps, including 3 juveniles. This rat is unquestionably extremely common in the scrub. Surprised to get no Melomys.

A small tick about. Picked up some traps

Went out with hunting lamps. Very little moving. Much mist in forest. Shot a ringtail.

Wed Feb. 25 — Only R. assimilis in traps. The ten concentrated yesterday around the place where I saw the Hypsiprymnodon (?) caught nothing.

First fine day. Took photos. Bus takes me down in afternoon. Reached T'ville 6 p.m. Booked seat on a Qantas plane for Cairns Tomorrow night.

Thur. Feb. 26. — Packed specimens which had left with Crew. Got ready for evening plane. Took l. insurance. Saw Reid Kennedy again. Sharp shower in a.m.

Plane late but reached Cairns at 10.45 p.m.

Found Greg, Van & Len at airport. All well. The two former had arrived the night before from Sydney, Len the day before that.

My "reconnaissance" closes at midnight & I shall begin "Carbine expedition" Tomorrow.

Fri Feb. Wea. continues fair. Last night flew at 10,000 feet
27. over a big storm south of Innis fall.
Mr. Gilbert Bates with entomologist Tim Buzzacott drove us up the range & behind the Kuranda Falls (which the new road does not reach) to visit an experimental sugar plot. Back at 1.30. In afn put out skins & skulls in B P's warehouse.
In evening (5 ock) met Mr. Gallup (Main Roads Comm.) for drinks & at 8 pm attended meeting of Cairns Orchid Society.

Sat. Feb. The Cairns Nat Hist Soc. took us up to Atherton Tableland.
28. Members of the party: Len, Van & myself: Ernie & Gordon Stephens, George Brooks, Tom Webb.
We breakfasted at Kuranda then drove via Mareeba to Yungaburra only 4 miles from the isolated rain scrub of Lake Eacham, where we booked rooms & left our hand baggage. Thence we went east to slopes south of Battle Dress overlooking the sea (distant) where Len searched for a special type of vine. Had lunch in the "bush". Van hunted spiders & beetles.
Returned to Eacham at 4 pm. Then Van & I set traps along Wright's Creek near the Lake. That night Van & I went out in Eacham scrub with hand light. I got 2 Pseudocheirus arcteri & a Thylogale stigmatica.

Sun. Feb. 29 Next morning skiing till 11 a.m. Cara left earlier but George Brooks returned for me & Van. We lunched in the bush near Lake Eurevon. Supper at Kuranda. Home about 6 pm.
Main impression is the very restricted area of the rain scrub, the great amount of deforestation of the tableland to make dairy & corn country, the abundance of eucalyptus "forest".

Mon. Tues. Mar 1-2 Arranged for trip with Main Roads Commission (Mr. Gallup) to drive up to Chillagoe caves after tats. Moved our collected material to new quarters (Mus. annex) & spread them out. Went with Ernie Stevens to see of Gig fox camp.

Abbiss. Phone 2470

Archtoes Exp. Pilot License No. 246450

Wed. Mar. 3. Heavy rain. We left at 7.30; passed through Atherton & delivered Van Diesen to Mr. Barker (Roads). I continued. With T.J. Abbis, wopeka; Mr. H. Moore, driver, with me.

Bad weather until beyond Herberton (the Hurbert R. in flood). Then gradual clearing. A few creeks with but little water: the Ibis Creek crossed 3-4 times. Irving bank there. Next Emu Creek. Finally, close to Alma-den, Crooked Creek.

We were pretty battered by atrocious roads. Average 13 m.p.h. & arrived at 5 pm (left Cairns at 7.30 a.m.), & spent the night at the Forest Hotel ("Abis House"). Learned at the "pub" of an or two extra cars & more shafts.

On road saw 1 green snake; 1 scrub turkey, 1 dark dingo. The dingo was somewhat darker on the back than the one I saw on the way to Mt Spec. It had rather massive jaws and the tail up-curled.

Bats: reported doubtful at Chillagoe (Mr. Shepperd)
some at Mungana Caves (Albert Shaw)
plenty at Tommy Bans Mine, Lappa Junc.
Some at Vision Mine, Irvine bank.

The way was hilly throughout - that somewhat more so nearer Herberton. Saw several rest flowering shrubs - chiefly a Hibiscus with white flowers delicately tinted with pink, its leaves 5-palmate.

Irving bank is big rock-sided gulley. Some cliffs appear on both sides well back from the road at about 3/4 hour east of Alma-den. No picture.

Young man, teacher in 1-room school, has 21 pupils aged 5-16 years.

Thur. Mar. 4. Slight shower at night at Alma-den. Bkfast at 7. away before 8 - reached Chillagoe at 9 am. Found Shepperd who was with us all day.

Got into the limestone, leaving the granite, some 5 miles from Alma-den. L.s. gradually took over from granite first as country rock with thick beds dipping a few degrees S.E. & later as high shattered masses rising above the general level of the road for a hundred feet or so.

Chillagoe village is a smelting locality. There are big

smelting furnaces there in which the pervading lime is used on ores sent in from elsewhere.

Black cockatoos (18) flying. Photo of limest. bluff.

We were in Chillagoe cave for about an hour. It is a complicated cavern, now wet, in which 3 men were once lost for 3 days. A few roof openings, no doubt used by bats, occur. Mr. Sheppard (age 79) who acts as custodian knows it well. He reported we used no carbide lamps, which would have illuminated the beauties of the cave better than our spot-lights.

There was only one species in the cave, to judge from the fruits of several visits — a Miniopterus. We got out about 11.45 & walked a few hundred yards to Fairy Cave, a much smaller cavern and wholly bat-less. Then we drove the couple of miles back to Chillagoe for lunch at the hotel. In the afternoon we tried the Madonna cave (in another block of limestone). We saw two wallaroos — big reddish sandy fellows which made no bones about having up the mass of a flattened limestone to vanish over the top of the hill. The Madonna proved not to be quite dark enough — at least there were no bats in it. From there we drove 2 miles back along the Alma-dam road to Pink Cave. This was only moderately large & not complex. I saw a tiny group of 3 Scotiones without being sure they were bats at all. (I also saw a couple of patches of fungus). On the way out I picked up three fried Taphozous singly. We had not noticed them at all going in.

White cockatoos on the way back to Alma-dam which we reached at 6 pm.

And the cave (not seen) the "Tank Cave", and at Mungana 11 miles beyond Chillagoe other bat caves are said to exist.

Fri. Nov 6

Another very busy day. Left Alma-dam at 7.30 & went to Lappa Junction (RR) where we drove in a round-about way southward for about 5 miles to Bobby Burns mine, an abandoned tunnel. I had used my last dust-shot cartridge (blame to RR strike) the day before & had none, 410 loaded with #8 shot. This was really

far too large for small bats. In any case not a bat hung up where I could see it to shoot at it, though plenty were flying in the tunnel. We got sticks & knocked down 9 — all alike & apparently Scoteinus of a species larger than any those of the day before. Outside, soon spotted another red wallaroo bounding away.

From Tom Burns we drove to the town of Irvine Bank — a quite important tin-mining center. We were intending to visit the Vulcan Mine. However, the Vulcan, we were told had no tunnel but went down 1500 feet. So we gave that one up. We met an old miner who said "Bats! — Why there's bats in my tunnel, the "Subpraeni" you can take them in your hand. We went with him, armed with forked sticks. He lit his carbide lamp & we went in. At about 200 feet he said "there they are". I could not use my stick in the confined space so I tried grabbing them & got all three of the cluster. They were either Pipistrelles or Scoteinus. In his second cave "The Quek" were Rhinolophus. I was able to seize two of them in the same way. Our time was getting short but we managed to go to one more abandoned tunnel, of which there seem to be scores, where we again took 4 Rhinolophus + 1 Pipistrelle.

It began to drizzle. We headed back east & got safely across all creeks. Reached Herberton after most stores had closed (at 5.15) but bought some tinned food & 3 loaves of bread. Then on in the mist & rain down the road leading to Ravenshoe, but turned off on the Innisfail road (all bitumen now). Finally we turned N again into the road "under construction" where Van had been taken 3 days earlier to the camp of the Main Roads Commission. We arrived by after dark between 7.30 & 8.

Van repeated terrific rain all the time he had been at the road construction camp at Walter Hill Range. They had had 20 inches of rain in 3 days. He had so far taken a Ukomys & several Rattus assimilis.

Most of the camp people were away for the week end, so he was starting to camp alone. He had not actually had to fix a meal yet however.

(Tin mining area)

Note: 1. Good region is Rossville, 27 mi. s. of Corktown.
Also Mt Hartley, on coast from Rossville.
2: George Moore of Rossville has striped cat.
3 Percy Hatfield knows scrub at Rossville.
Informants: Mr & Mrs Bowditch.

Red Island - Somerset Area.

			Type Locality.
○ Spiny Anteater,	Tachyglossus aculeatus acanthion		Rockhampton. (Lumholtz).
Marsupial Mouse, ✓	Antechinus godmani (possibly 2 spp).	?	
Flat skulled Marsup. Mouse.	Planigale	?	
Phascogale "Bushy-tailed Rat"	Phascogale tapoatafa	???	
Sminthopsis	Sminthopsis arnensis	??	Aru Isls. (Wallace).
○ Little Native Cat.	✓ Satanellus hallucatus predator		Utanja (Kemp).
○ Strip Headed Bandicoot	✓ Isoodon peninsulae		Utanja (Kemp)
Large " "	" macrourus	?	
Narrow headed "	Perameles nasuta pallescens	??	Parcus Loc (Sterrin
New Guinea "	Echimypera	?	Rocky Scrub.
Pigmy Glider	✓ Acrobates p. frontalis	???	Herbert R.
Pigmy Possum	~~Cercartetus~~ Eudromicia macrura	??	Atherton
Yellow bellied Glider	Petaurus australis reginae	???	Burdekin.
Squirrel glider	" norfolcensis gracilis	???	Cardwell
Sugar glider	✓ " breviceps longicaudata	?	
○ Dactylopsila Stripe Possum	✓ Dactylopsila piscata		Fort Albany.
Ringtail	Pseudocheirus peregrinus	??	Corktown
"	" herbertensis	???	Herbert R.
"	" lemuroides	???	Atherton T.
"	" archeri	???	
Giant Flying Phal.	Schoinobates volans	???	Herbert Vale
Brush-tail Possum	Trichosurus vulpecula arnhemensis	??	Olm Creek, Cape York Pt. Albany, Oyster.
○ Phalanger, Spotted ✓	Phalanger maculatus nudicaudatus		
" oriental ✓	" orientalis		
Tree Kangaroo.	Dendrolagus kennedianus	???	Cook Town

↳ beta. Coleman & Mitchell Rs.

				Type locality
Gazelle Wallaby.		Dorcopsis	???	New Guinea.
⊙ Scrub Wallaby.	✓	Thylogale stigmaticus coxenii		Port Albany. (Coxen)
⊙ Sand "	✓	Protemnodon agilis jardinii		Cape York (Broadbent)
Whiptail.		" parma	??	Pt Stephens
Water Rat	✓	Hydromys		
⊙ "Springtail" rat	✓	Rattus culmorum race ?		
⊙ Cape York Spring Rat.	✓	Rattus leucopus		Cape York.
Mouse.		Leggadina	???	
"Rabbit Rat" ("Polecat")		Mesembriomys gouldii rattoides	??	Corktown
White fr Rabbit Rat.		Conilurus penicillatus race.		
Kangaroo mouse		Notomys agilis	?	Cape York (Cockerell).
⊙ Giant Rat.	✓	Uromys caudimaculatus		Port Albany.
⊙ Black-tailed rats.	✓	Melomys australis		Piara, 2½ miles WNW from Somerset (Thorp)
	✓	second melomys		
⊙ Gouldo flying fox		Pteropus gouldii		Rockhampton.
Spectacled " "		" conspicillatus		Fitzroy Isl.
Little " "		" scapulatus	?	Cape York
~~Tyke nose~~ ~~Hydromys~~ bat.		Nyctimene papuanus		N. Guinea.
Super " "		" robinsoni	?	Corktown
Odonto nycteris		two species.		
Tycosynctenis		one "		
Rhinolophus			??	N.S.W.
Rhinonycteris aurantiacus			??	Port Essington
Hipposideros		semoni	?	Corktown
⊙ "	✓	ceramicus		Albany Isl.
⊙ "	✓	alborensis		" "
"		diadema race		

No. 77718

1 Pus 4P7

KINDLY PRESENT THIS TICKET WHEN CALLING FOR ORDER

KODAK DEVELOPING AND PRINTING SERVICE

Every reasonable care will be taken with Films, etc., entrusted to us for Finishing, but no responsibility for loss or damage is accepted beyond the replacement of exposed films or plates with new Kodak material of similar List Price.

DO NOT LOSE THIS TICKET

as it is the means of quickly identifying your order.

KODAK (AUSTRALASIA) PTY. LTD.
ABBOTT ST., CAIRNS.

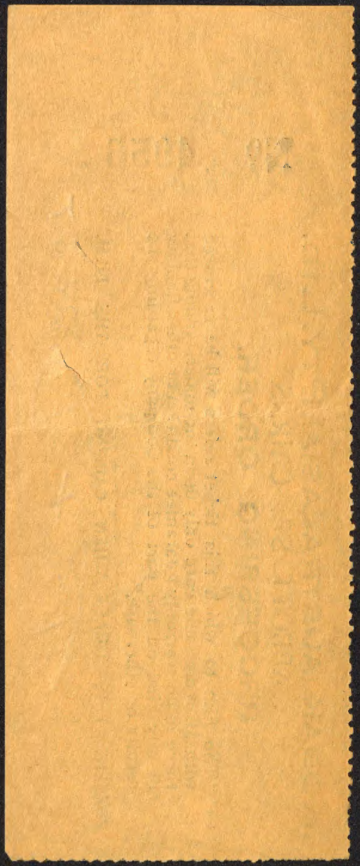
PROCESSING ORDER.

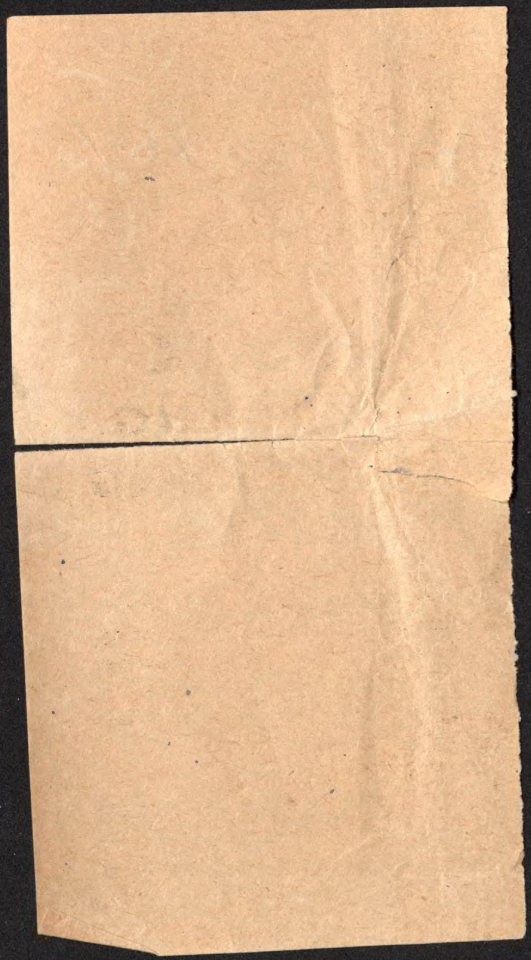
"The film to which this ticket refers will be processed with all reasonable care only upon the understanding that there is no warranty guarantee condition or other liability of any kind on the part of the Company regarding the results or otherwise."

PRESENT THIS TICKET WHEN CALLING FOR THE FILM.

Pat Direct

No. 4956





Long eared bats		Nyctophilus g. pallescens.	??	Alexandria
• "		" bifax		Torres Str. Isls
Pipistrelle		Pipistrellus abramus	?	
Lobelipped bats	✓	Chalinolobus gouldii race	?	
• Broad-eared bats	✓	Scotenis sp.		
Horseshoe "	✓	Myotis (Selaconoe) macropus	??	
" "		" australis ?	??	
		Chonisacus papuensis	???	
~~Embellonurid~~	✓	Miniopterus sp.	?	
• Taphozous	✓	T. australis		Albany Isl.
Saccolaimus		S. sp.	??	
Bulldog bat		Nyctinomus norfolkensis	??	
Chaerephon		Freetail bat	??	

Went out picking for an hour & shot a smoky gray Pseudocheirus

Sat. Mar. 6. In the morning the rain had stopped. The camp was located in a sea of mud where bulldozers had churned up the country side.

Went out with Van to see his traps. He got 4 Rattus and a Uromys. Some photos. A couple of hours of sunshine. Set out that night jacking up the road. Saw bats & 2 flying foxes. Shot a ~~Chalinolobus~~ mimetinus (?) with the light saw 2 dingos too far to shot. Shot one of them Pseudocheirus herbertensis.

Am persuaded this scrub is relatively empty. Perhaps the bulldozers & blasting have frightened away the game.

Van shot a feral black cat and a Perameles.

Sun. Mar 7. In traps (Van's) 4 Rattus assimilis, 1 Uromys candimaculatus.

No trace of Hypsiprymnodon. The road building people obviously don't know it, yet Harry Raven got two not far from here. The trouble is that we know nothing of its habits.

At night Van went out for a couple of hours. He shot a ringtail possum but could not find it.

Mon. Mar. 8. Packed up & left for Millaa Millaa where Harold Moore, my driver to Chillagoe was to meet us between 12 & 1. Met various people there. Snowy Baker had met a man who as a boy worked for Harry Raven & others remembered him. An American from the mining areas told me that our expedition is reputed to have hidden motives: we are looking for Uranium or something.

We descended by the one-way highway (3.30 to 5) to Gadgarra. The cloud forest gives way at 1500-1800 feet to eucalypts, she-oaks, cycads, umbrella trees, &c.

We visited Lake Barrine — rather commercialized but otherwise much like Lake Eacham. Also saw the big "pine", Agathis _____, 27 feet in girth.

Reached Cairns about 5.30 pm.

Tu. Mar 9 - Setting specimens in shapes; outfitting Geoff & Van for trip to Mossman. Gave talk before Cairns Naturalists Club entitled "Australia & S. Amer. Compared".

PHONES: DAY - 2031
NIGHT 2821

P.O. BOX 131
CAIRNS

CAIRNS LEGACY

CIRCULAR

Reminding Members of the next HIGH TEA to be held at 6.30 p.m. on Friday next 12th March *at the R.S.S.A.I.L.A. Club Rooms, Cairns.*

If accompanied by a guest or unable to be present please advise the Secretary before Wednesday next.

C. J. CUMMINGS,
Hon. Secretary

Refreshments 6 p.m.

GUEST SPEAKER:

Dr. Tate
(Archbold Expedition)

Wed. Mar 10. Went to Pease St swamp flying fox roost. Nowtten. Going tea at Ernie Stevens' house. In p.m. accompanied Mr. Laurie, electrical engineer to Kuranda power station.

Thur Mar. 11. We hunted bat in tunnel for the 3-foot power pipes. Two species very serious & hard to get: Rhinolophus and Scotemanes? Took 2 of each.

Geoff & Van to Mossman by bus Thursday a.m.

That night I skinned the + bat. George Brookes bought an Isoodon a car had killed at 8 pm. Injected it with formol for a.m. skining.

Fri Mar 12 Skinned the bandicoot. My long looked-for tow arrived from Townsville. Sent half to Van at Mossman. We have been unravelling rope — a tedious process — to get tow.

Talk before Cairns Legacy in Evening on "Exploring + Expeditions.".

Sat. Mar 13. A trip with Mr + Mrs Hunter to Barron waterfall in p.m. Busy in a.m. rearranging gear in Mus. + getting ready for ~~Sund~~ Monday trip.

Sun. Mar 14 Packed pickled bats in a.m. Lee + I to lunch with Mr + Mrs Ernie Stevens + in pm to bat cave at ~~Pretty Beach~~ Hartley's Creek, 25 miles up to coast towards Mossman.

The bats were but 2 — scattered — in a sea cave in a fissure in the finish (both Taphozous).

Mon. Mar. 15. With Abbiss of Main Roads to Mossman via Port Douglas. Lunched at Mossman. Changed to "utility" driven by Mr Davies. First camp when low cand "fount" changes to scrub comes at 700 feet. "Lookout" at about. "Top" at 1400. Thereafter fairly level. Scrub lasts about a mile, then Devil Devil Creek, a headwaters creek of the Mitchell. Staying with Mr + Mrs Harma, dairy farmers.

They claim Hypsipyrmorder on their property — at margin of scrub.

Dowes took me all around the uplands (large intro to west tours) — to Rumula — Miss + her friend Mrs Parkman. — to Julatten — to see silt

of flying fox camp & back by eastern road through "forest". Saw half-breed, Paddy Groves, kangaroo hunter. He says there are great grays (not reds) & 2 sorts of wallabies. He knows Hypsiprymnodon.

Set a dozen traps in trail in scrub. Afternoon tried brief "jacking" but rain spoiled it — quite heavy rain.

Took a Hypsiprymnodon in house. It hung up under bedspring in my room. I patted it by hand.

Tu. Mar. 16. Found an Antechinus and a Rattus (possibly conatus) in my 11 traps. Walked out with gun but saw no trace of Hypsiprymnodon. A grove (natural) of fan palms suggests of throwing good shade.

This is inclined to be "melon-hole" country. Holes a foot deep are dotted all through the scrub. These holes when the forest has been cleared constitute a certain danger for cattle.

Went "jacking" with Patty, a half-breed. He took me into some old timber trails. Heard one ancient, but saw no eyes at all. Patty hoists some Rhinolophus from the mine he works in

Wed. Mar 17 In traps only one rat. Went to flying fox camp — Pteropus conspicillatus. Shot five. Called on Miss Salisbury, who had one rat for me. Pickled same.

Skinning all afternoon. Dark large & small gamuas; I kept the little one. A whitish-gray tree frog in Miss Salisbury's milk can.

Rebaited in late pm., while young Phil Hanna hunted Hypsiprymnodon with his .410. He said he saw one.

That night he & I hunted with lights to the top of the Mosaman Hill — a round trip of 5 miles. Saw only a 7-ft carpet snake at side of road. It was still there when we returned.

Thur. Mar. 18. Two rats in traps. Visits from R Stanford (the keen Finlayson) & Kenridge, both of Miranda. Also Bill Batts & friend from Cairns.

In pm rebaited and near end of track in heavy scrub saw ~~ostot~~ a ♀ Hypsiprymnodon. Just 5 pm. Pouch contained 4 mamae, but only the anterior pair had been functional. Further hunting but no more. Specimen packed with round worms (some saved). Stomach distended with chewed-up vegetable matter - apparently starchy - berries, etc.

Fri. Mar. 19. Two more Rattus. Saw another Hypsi streak across forest trail. Too quick for me.

Back in Cairns in pm.: Jack Davies took me down to Mossman, & I rode in with Mr Clellan at 4.30. Opened up boxes that evening. The boys were back half an hour ahead of me.

Sat. Mar. 20. General reorganizing in a.m. Lou & I taken by Gil Betts south along the coast road to see Bell's Peak, opposite Gordonvale. We drove on to the home of Mr. Kirns, who has climbed Mt Bellenden Ker 7 times.

Afterwards took dirt road in from Gordonvale to base of Bell's Peak where met Mr Thomson, proprietor of large cane property. Buzzacott, his son-in-law has been to the top of Bell's Peak. (3300 ft).

Sun Mar. 21 Van & I with George Brookes & his family on a long motor run to Tully Falls. Went via Kuranda, Atherton, Ravenshoe. Tried for fruit bats on "old Ravenshoe road" but they had moved. Picked up Pteropus conspicillatus (young one) on N. Cairns road, Cryptoprymnus at Evelyn, and Trichosurus at Creek.

The Tully falls were lovely - not too full but very impressive.

Returned via Millaa Millaa and Innisfail.

Mon. Mar 22. With Ernie Stevens up the Kuranda Range to see Robert Vievers, brother of George Vievers who owns farm near Barnyard Creek where "striped cats" supposed to occur. Found him at Myola dragging out logs with bullocks. He knew a

lot about the Coen district – Peach River & Rocky Scrub. After lunch at Kuranda went to north of Barcaldine Rd to Clohesy River – Ernie to inspect farm. Heard of camp of flying foxes near by. Shot 1. Ack B. endospicilatus. Van meanwhile had gathered up 7 Nyctinomus from roof of house in Cairns.

(Good). and Al.

Fri. Mar. 26. With the Stevens bros (and Mrs E. Stevens) up Kuranda range & in to Speewah property on the upper Closely River (8½ miles due west of Cairns. On & nearby tributary, the Sangyang Creek the fabulous "striped tyre car" is reputed to occur.

The location very attractive – an old house with hilly scrub to S & E – tending to open forest N & W.

Just afternoon Van set traps, while one of the local sons of the farm showed me the way to Sangyang. Over there fine forest in which hardwood for "maple" has been done 3 years ago by tractor & bulldozer.

Hunting at night – n.g.

Sat. Mar. 27. Cairns folk went back (Ernie & his wife had wanted to go earlier but a leak in their radiator stopped them) in the afternoon. Traps set by Van produced Rattus, Uromys, Antechinus. Hypsi prymnodon is here.

Saw two Hypsi prymnodon run across the trail between 5 & 6 o'clock. Sets made with steel traps for spotted cats & civets(?).

Sun. Mar. 28 Nothing in my traps. Van few more mice.

Mon. Mar. 29. Some traps sprung by pig or cassowary? or possibly dingo. Saw glimpses of 2 more Hypsi prymnodon.

Van got second species of rat – resembling the New Guinea Stenomys. Gifts of 2 skins of T. stigmaticus and Dactylopsila.

Ernie Stevens took us down to Cairns in p.m.

Sp of ? Dactylopsila by Mr.
R. H. Wiles of Tomato Creek,
Barron River, a few miles
north of Cairns, N. Q.

Tu. Mar. 30. Still no definite news of the "Tuna" at Townsville. In a.m. setting out specimens to dry - George Brooker brought us a *Hetipposideros diadema reginae* the evening before.

Thurs ap. 1. Moved out in the afternoon to the eastern foot of Bellenden Ker Mtn. The exact locality is a sugarcane area on the north side of Junction Creek (rising off the slopes of the mtn), a tributary of the Russell River, which in turn joins the Mulgrave a little above their combined mouth. Settled in at the cane "barracks" of a property owned by Stroud, Gibbens & Wiemer.

Fri ap. 2 Van & I had managed to get out approximately 40 traps. Most were set along the edge of the cane fields but a few were in second growth & much dropped about scrub. The catch comprised 2 bolomys (arboreal), a number of Rattus conatus, 2 Rattus culmorum, & a conatus-like rat having the underside of the tail black.

In p.m. went up to the beginning of the trail leading to the top of Bellenden Ker but lost the trail in a "burn". Messrs Kerr (and sons) are apparently the only people who know the trail well.

The fairly flat areas are fenced & plotted to cane while the gullies between are used to feed stock. A nearby patch of scrub (isolated) is badly burned & cut up. There are some good pieces to the S.W. Jacking produced nothing.

Sat. ap. 3. Found entrance to trail up mountain through wild raspberry patch but lost trail in large "burn" (Len found it later). The catch rather poor, so shifted traps to unspoiled scrub where the Junction Creek crosses off Bellenden Ker.

Heavy rain at frequent intervals.

Kerr came out to learn whether we wanted to go up the mtn. Len & I arranged to go Monday, Van to take over my trap line.

Sun Apr. 4. A very showery night. Another large catch – 14, including 2 melomys. Van is at last developing skinning speed. Very glad of that.

Packing for Bellenden Ker climb in the morning. Len is going to get plants, I to entomologize.

Am getting badly bitten about the ankles by leeches. They go right through my socks & take hold in the same place. The bites bleed for a considerable time & itch quite a lot. They cause swelling of the ankles. I'm trying various preventatives – not to successfully.

Turned over my trap line to Van this p.m. more rain makes a bad outlook for tomorrow's trip.

Mon. Apr. 5. Left for the mountain with two young local chaps who knew the trail to the summit – Bill Kerns and Swen Neilson – at 7.30 a.m. We travelled taking approximately ~~one~~ 5 minutes rest every half hour. The first 700 feet was through fairly a burned or otherwise altered tangle & later through a tangle of lawyer cane and a creeping bamboo – vile territory! We crossed a couple of gullies & a small creek (where there is a dangerous, slippery sheet of granite covered with an inch of water, to be crossed. Then began a series of steep climbs interrupted by short lengths of crest trail leading to the tip of a great ridge projecting ENE from the main range. The eastern tip is reached at about 1000 feet. The way leads along this ridge – mostly up but sometimes down, which in places becomes almost knife-edged.

Len picked up several good plants along that section, including a new, sweet-scented white-flowering shrub-perhaps of the Rubiaceae.

The ridge also carried some Kauri pine. It was all forested, though in narrow places several lookouts could be made. The inner end of this ridge juts out from the main Bellenden Ker range at a spot where there is a trickle of water and climbers generally stop for lunch. We did a "boil-up" too.

West came 700-800 feet of extremely steep, rocky slope, which fairly roasted off; and we were on the top of one of the knobs of the range – 3100 feet. We arrived there at 1.10. Another half hour, down & up

past two other knobs to the north brought us to "Tick Camp", a tiny palm hut, with a very leaky roof, at 2. pm.

Rain came on as we finished our lunch. We arrived at Tick Camp in rain, and the downpour continued well into the night. Our improvised carrying bags, our blankets, everything we had except two waterproof articles – my small tarpaulin and a waxed food bag – were speedily saturated.

The lean-to had been built to protect against a dry west wind. The raging southeaster that day blew right through it. Swen & Bill had to rig up an opposing roof & an extra lean-to (attached) for cooking space. All leaked badly.

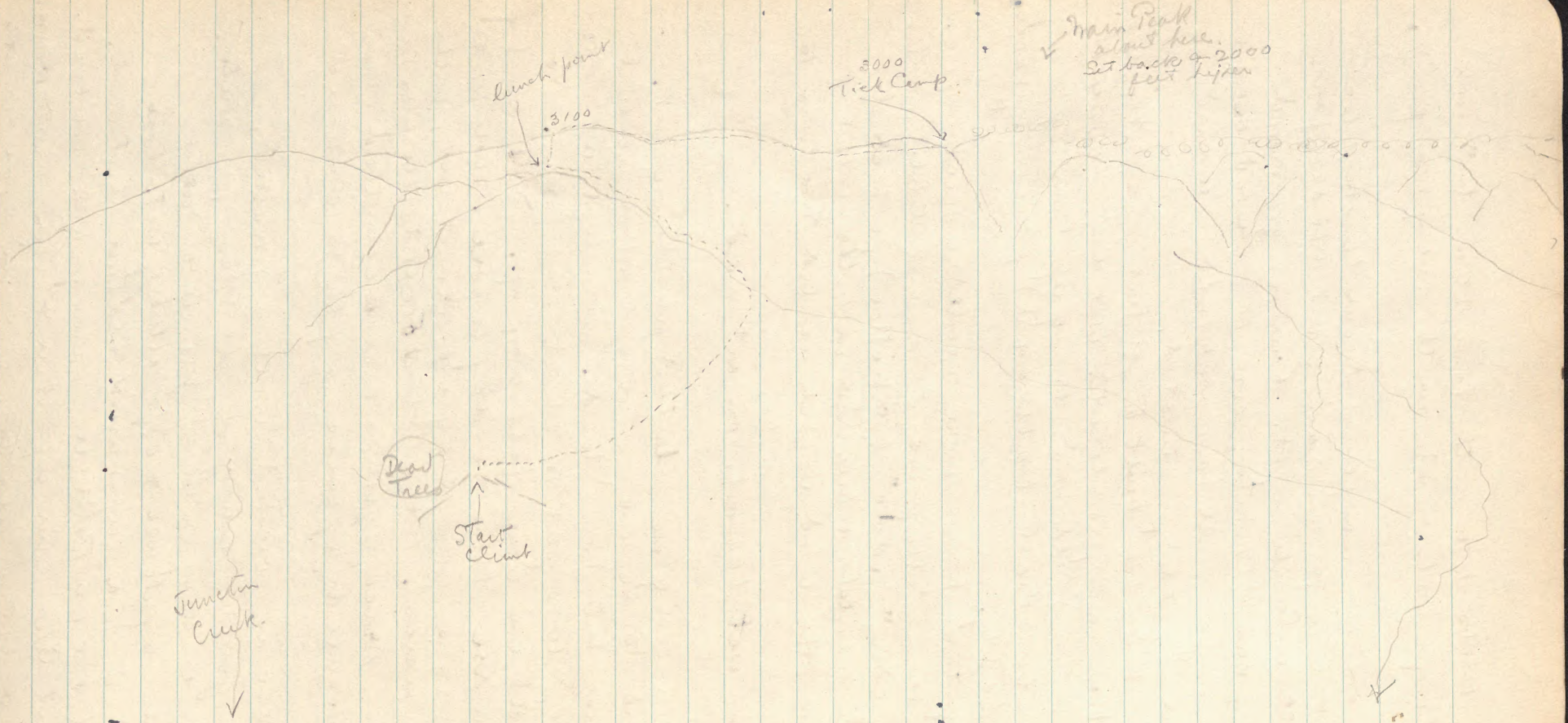
~~The~~ Exactly two hours were needed to start a fire. The boys had been telling us of an infallible mountain firewood named "jiddo" (Chittoe), which lit with a single match & burned with the greatest of ease. This was the wood which needed two hours to light.

We slept in wet blankets on wet mud.

Tues. Apr. 6. At 8 next morning we started for the summit. Tick Camp proved to be only 3000 feet above sea level – not the 4000 we had been told. This left us 2000 feet instead of 1000 feet to climb that day. No rain came till we were half way up. The climb varied – no worse than the day before. We went up through the same general type of rain scrub, with certain new species. At about 4500 feet the first of the peculiar *Dracophyllum* was encountered & this with other peculiar species of plants continued to the top.

The summit was forested with a gnarled, weather-beaten forest, many of the trees prostrate. There was an undergrowth of grassy & tusky vegetation – all very dense & appallingly wet. The summit consisted of a very narrow & rather short crest.

The men (and we too) were shaking with the cold. We spent about 3/4 hour up there & then went down. Len collected a lot of plants, I found some orange.


lunch point
3100
3000
Tick Camp
Main Peak
almost here.
Set back a 2000
feet higher
Dead Trees
Start Climb
Junction
Creek

colored slugs, 2 opedins, & 2 myriapods.

We reached Tick Camp at about 2 pm. The rain had stopped & it remained fine until night - fortunately for us.

A roaring fire let us dry most of our saturated clothes; & we improved sleeping conditions somewhat by cutting more palm leaves. Rain came again at night.

Wed Ap. 7. A drizzle was falling. We cooked a haphazard breakfast, bundled up our packs, and left at abt. 8 o'clock. We reached the Junction Creek camp just after noon - bone-weary from carrying our heavy rain soaked packs & stumbling down the slippery trail.

The young rats trapped at Tick Camp & taken down to be skinned were perfectly preserved by the injections of ½ formol, ½ water I had given them. One of them had been taken out of the trap early morning of the 6th.

Thur. Ap. 8. The shaky little "utility" came for us in the pm & took us back to Cairns. My ankles greatly swollen from leech bites.

Found that both rr & ship strikes were over & the men back to work.

Fri. Ap. 9. The "Time" arrived during the night.

Sat Ap. 10 Nothing unloaded which belongs to the expedition, yet.

Sun. Ap. " In late pm with George Brookes to see the valley of Freshwater Creek and the Cairns water intake. I wanted to compare it with Barron Waters in case we had to choose a locality for more field work temporarily. Van went out to Green Island, Barrier Reef.

In a.m. met plane, Monday to Sydney, on which E. T. Gilliard a passenger. Excellent news.

Topotypes (virtual) from the Cairns & Atherton area.
(not secured marked *)

*	Ornithorhynchus anatinus phoxinus Th. 1923	Ravenshoe
*	Antechinus flavipes adustus Thomas, 1923	Ravenshoe
*	" godmani Thomas, 1923	Ravenshoe
*	Dasyuroides gracilis Ramsay, 1888	Bellenden Ker
	Perameles nasuta pallescens Thomas, 1923	Ravenshoe
	Acrobates pygmaeus frontalis De Vis, 1887	Herbert R. Mts
*	Eudromicia macrura Mjoberg, 1916	Cedar Creek, Atherton
*	Petaurus norfolcensis gracilis De Vis, 1883	N. of Cardwell
	Dactylopsila piccata fumosa Tate	Lake Barrine
*	Pseudocheirus peregrinus incanens Thomas, 1923	Ravenshoe
	Pseudocheirus herbertensis Collett, 1884	Herbert Vale
*	" " collettii Waite, 1899	Boar Pocket, Tinaroo
* ?	" archeri Collett, 1884	N.Q.
*	" lemuroides Collett, 1884	N-Q
*	" cervinus Longman, 1915 (syn.)	Atherton Tab.
*	Schoinobates minor Collett, 1887	Herbert Vale
*	" cinereus Ramsay, 1890 (syn.)	Bellenden Ker
*	Trichosurus vulpecula johnstonii Ramsay, 1888	"
*	Hypsiprymnodon moschatus Ramsay 1876	Rockingham Bay
*	Dendrolagus lumholtzi Collett, 1884	Herbert Vale
*	" fulvus De Vis, 1888 (syn.)	Herberton
* ?	Protemnodon bicolor apicalis Gunther, 1874	Cape Crafton
*	Hydromys longrani Thomas, 1923	Ravenshoe
	Rattus assimilis coracius Thomas, 1923	Ravenshoe
*	Epimys chionogaster Lönnberg, 1916 (R. rattus?)	Tolga
	Uromys sterrini Thomas, 1923	Ravenshoe
*	Melomys cervinipes eborcus Thomas, 1924	Ravenshoe
	Melomys littoralis Lonnberg, 1916	Russell River
*	Nyctophilus bifax Thomas, 1915	Herberton
*	Taphozous fumosus De Vis, 1905	Gowrie Creek, Cardwell
*	" nudiclunialus De Vis, 1905	" "

Mon. Ap 12. Ernie Stevens got me the data on a young resembling in the Cairns museum - Cairns No. 806, "shot about 1/4 mile along railway line from Atherton towards Tolga. Wm Kingston, 3.1.40". This probably implies that it is an arboreal "forest" rat. It is sometimes referred to as a "polecat".

Van's paddymelon with skin inside out:-
Mossman Gorge. Mar. 18. 1948
T.L. 677; T. 294; H.F. 113; E(CR) 53.

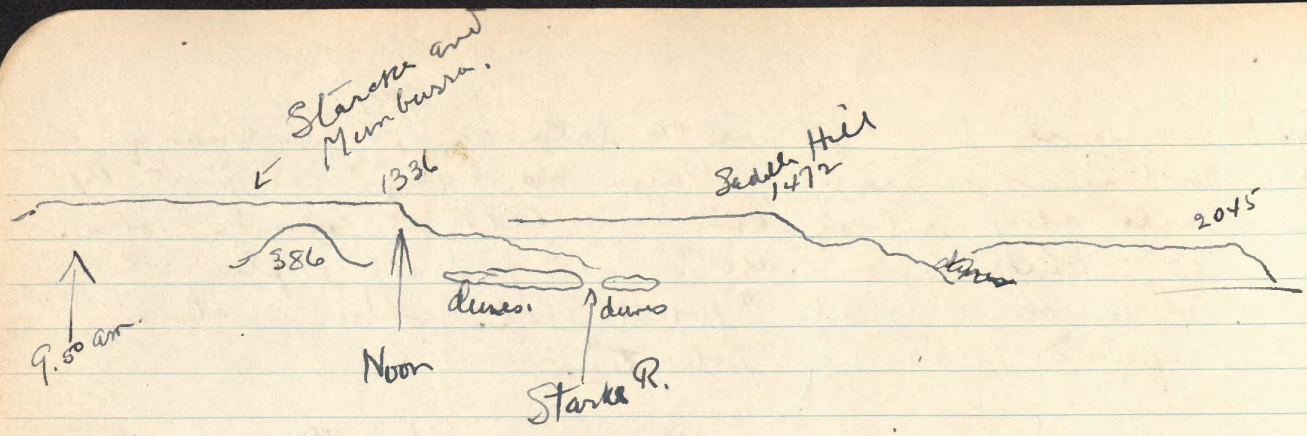
Tu Ap. 16. Got away just after midnight leaving Mt. Passed Mossman at dawn, & Snapper Island ~ the mouth of the Daintree River about 9 o'clock. Mt. Thornton (Thornton Peak, up which Brass has been twice) stood out clearly to N.W. Passed Cape Tribulation about noon. The Bloomfield River about 2 pm. The Annan River about 5 and into the Endeavour R. and Cooktown about 5.30 (Capt. Burgoyne).

To the north appear promontories of level bedded sedimentaries in marked contrast to the hitherto granitic rocks and rounded topography.

Broadly speaking the terrain fronting the sea between Cairns and Cooktown is clad in rain scrub - though a number of the projecting ridges have their crests bare, grassy or covered with shortest exposure vegetation. One is impressed with the fact that the landscape is filled with bold hills & mountains & that flat areas are few & far between.

In the evening we called upon Dr Kesteven, the eminent anatomist & friend of W. K. Gregory at the Cooktown Hospital. He kindly gave us two skats - a specimen of Hipposideros semoni and a species of Scotinus. He is working now on the embryology of the crocodile & badly needs well preserved material.

Sat. Ap. 17. At dawn passed low rocky of sand dunes. - Coming up on barren cape Flattery. From Flattery to Lookout Point (about 20 miles) continuous, extensive sand dune country. Inland (westward) extensive sedimentary ranges up to 2000 feet.


Stanope and Mumbussa.
1336
Saddle Hill
1472
2045
386
dunes.
dunes
9.50 am
Noon
Starke R.

Passed bare, isolated Lookout Point at 9. am. rose sand dunes beyond but less developed, giving way to fringe of mangroves. Rounded, bare Peak Ahead. Turtle Group passed at 9.50. Passed inside Newton Isl. at 2. pm. Saddle Hill about 1.30 pm.

Mt Stuckey Range (1400-1500), Saddle Hill Range (1400±) and the range NW of Jeannie R., 1300 to 2000 feet all appear to be horizontally bedded sandstone.

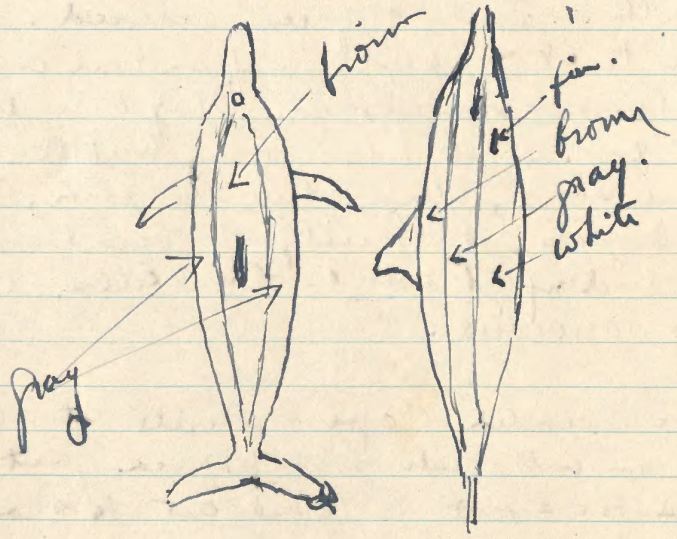
Noble Island, off mouth of Jeannie R. has produced tin. A shaft has been sunk in Warson Isl. to test for wolfram (n. good).

Next prominent features are Abbey Peak, North Bay Point, and Cape Melville (no altitudes given on 17 m.p.i. map.).

Boy pilotting says he went in truck this year from Corktown to Starke. Road had a good deal of down timber. Creeks fairly numerous but dry quickly. Starke has some salt pans. It is a cattle station.

In late afternoon we stopped by a temporarily abandoned boat which had run aground on Schwartzers Reef, a "dead" reef between the outer Barrier and the mainland. The water (at a little after low tide) was about a foot deep & dotted with masses of green seaweed. We four rowed over to it & spent half an hour wading about. "Giant clams" were common. They were generally from 6" to 1 ft long. Saw also many brittle-stars, black sea cucumbers, deep blue star fish, tan starfish with red spots, a variety of bivalves and univalves, including Trochus-like shells. Collected a few shells as souvenirs.

Sun ap. 18. We must have rounded Cape Melville at about 10-11 pm. as we ran into quite a chop of sea. At 12.15 ~~the motor stopped for a few~~ I looked out to sea dim hills due south, which may have been Cape Melville still. At 4.30 the motor stopped a few minutes & I again went to deck. There were again hills to S., which were either the Flinders Isls. or the Bathurst Range. All night we held a westerly course.


brown
fin.
brown
gray.
white
gray

At dawn we were in Princess Charlotte Bay heading north again. The coast 10 miles away & the hills low & dim. The Iron Helmsdale Range, behind which lies Coen, was wreathed in cloud.

To the north the southernmost peaks of the Lockhart Mission coast range – 1000–1600 feet stood out on the distant horizon.

Passed the Lockhart about 8 o'clock & started across Lloyd's Bay, at the inner end of which lies Portland Roads.

In the night the sea quite choppy as we rounded Cape Grenville.

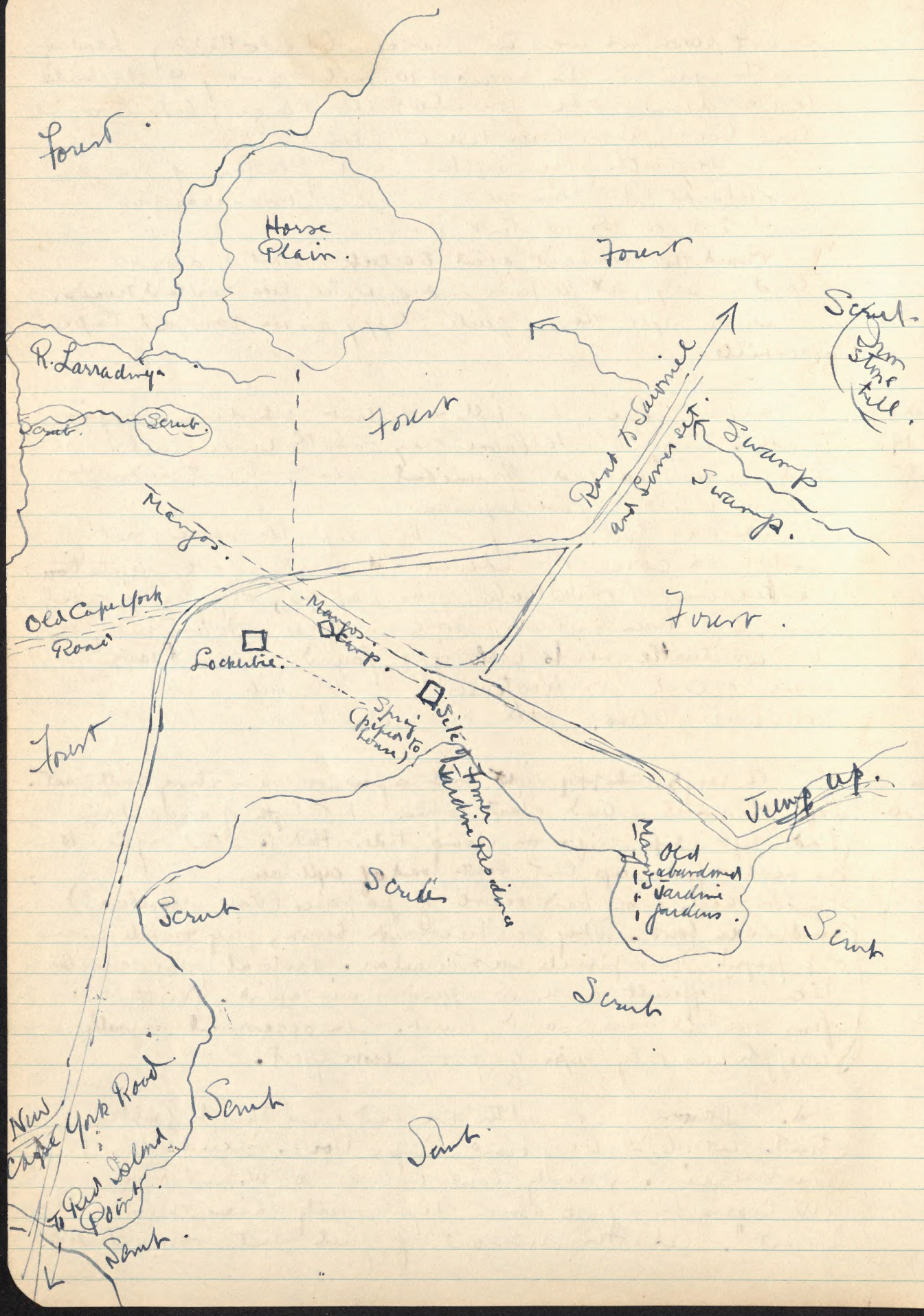
Mon Ap. 19. Darfom stone. Low hills & distant sand dunes. Engine trouble. Crossed Shelburne Bay mostly under sail. In mid-p.m. reached Hannibal Island. Went ashore for 2 hours while engine repairs.

Tide was low. In from the reef the stone partly sandy. A core of sedimented coral rock. Vegetation: Casuarina; Convolvulus pes-capræ, a fig, a variety of small trees & shrubs. Some sedges, Portulaca, etc. Two turtle nests with eggs found. Plan to save some of each for Kesteven. Got quite a few souvenir shells. Still 80 miles to go.

Tues. Ap. 20. A rough, choppy night with a few showers – strong south-east. Left Hannibal Island about 6 p.m. Short length of anchor chain had left ship drift on rising tide. Had to start engine to go back & pick up last boat-load of gill-nets.

In early a.m. had school of porpoises (Lagenorhynchus?) under our bows. They were tricolour brown, gray & white (see opp. page). The spinnaker was circular. Pectoral fins semilar-like. Difficult to see low speed maintained. Neither fins nor tail were moved much. An occasional anguilliform wriggle was only sign of propulsive effort.

Dawn soon after we had come through Albany Strait. At 6.30 we passed Cape York. Scuds of mist or rain. Misty low island to W. and N.W. SW Course by 7.30 a.m. Tip mostly tare or in "frost". Another run-out of fuel but soon waterter.


Forest.
Horse Plain.
Forest
Scrub.
Stone hill.
R. Larradinya
Scrub.
Scrub.
Forest
Road to Laurnie and Somerset.
Swamp
Swamp.
Mangos.
Old Cape York Road
Mangos
Forest.
Lockerbie.
Siding from Yardinia Road
Spur to (Pitman Town)
Forest
Jump up.
Old abandoned Yardinia gardens.
Scrub
Scrub
Scrub
Scrub
Scrub
New Cape York Road
Scrub
Red Island Point.
Scrub.

We had to stand quite far out until nearly opposite Red Island (at 9 a.m.), then turn directly in, heading for a beacon, & final stage right to the wharf.

A wretched place strewn with hundreds of empty 100-octane gas drums - the aftermath of war.

Our new cook Joe McLoughlin ("Jetty Joe") was waiting on the wharf.

Transportation had not yet arrived. Dick Holland of Lockerbie, the original home (and name) of Jardine. His two sons Stan and Tom arrived in their trucks & jeeps & said that Dick was on the way. There had been recent heavy rains, and fearing the short roads impassable, he had taken the long way around.

Meanwhile Joe made some lunch. Dick arrived about 1.30. We loaded up his "blitz" truck & crossing a number of streams & swamps without bogging down, reached Lockerbie about 3.30 pm.

Lockerbie

There we met Mrs Holland, a Scots woman from Dumfriesshire & later a daughter about 20 and a third son Dick, about 18.

Sufficient camp was erected under some of old mango trees so we could sleep in shelter. In the evening we were invited over to talk a while with the family.

Wed. Ap. 21. Practically the whole day devoted to making camp. A second load (and last) came up about 11. But we were ready for the baggage. In the late p.m. gave my two boys, George Morton and Bob Ine, 5 traps each to test them out. The former, an old aborigine tracker, has several wallaby spears.

Van went out jacking in bright moonlight & killed a y. male spotted cuscus and a Trichosurus.

Thur. Fri Sat Ap. 22-24. Setting traps routine in land. Teaching boys to skin. Van out "jacking" but a full moon: -

Takes so far: R. leucopus many — Protemnodon agilis !
Trichosurus caninus 10+.
R. culmorum 2.
Pt. maculatus 1
Dactylopsila gracilis 1.

Sun Ap. 25. Last night Van got another Dactylopsila. Went jacking – light on from 7.15 to 9.15. Did not see an eye! Boy took two Chromys. This evening the boys caught two Hypsiprymnodon albiventris in their traps.

Lockhart is on "iron stone" laterite. It is just at the west foot of the dividing ridge. The ridge is scrub-covered, the lowlands mostly in forest. There are little "scrubs" scattered around. The Lassadinya Creek runs N.W. from near here. It is mostly edged with forest but a little scrub appears also. The scrub is composed of only moderately tall trees – at most 100 feet. The savanna is chiefly in tall spear grass. Some patches of short grass savanna at Horse Plain.

Temperatures are cool. There to date nights were cool – down to 75°. Last night, partly overcast, the thermometer did not drop below 80°. Tonight it is 79°. The S.E. winds are blowing strong.

Jacking, saw bright eyes of bats in flight – probably small fruit bats such as Nyctimene, Odontonycteris, and Syconycteris.

Mon Ap. 26. Shot scrub turkey. Moved 10 traps to Lassadinya Creek & set for Hydromys. At night received about a score of Miniopterus, 1 Chalinolobus, 2 Taphozous from mine tunnels on Possession Isl., collected by the crew of the "Lochiel". Dried their holes for bats.

Tues Ap. 27 Rattus & Melomys still coming in. The Rattus of the gestri group is still scarce (we now have 14). No Hydromys. The older of my two boys, Moreton shot a Thylogale stigm. coxenii. Set 15 more river traps. Rebaited old line with dried fish.

Wed. Ap. 28 Jacking in Saw Mill scrub produced only a gecko. Saw number of bats. Van shot ad. ♀ cuscus & a Dactylopsila.

Thur. Ap. 29. Hunter, George Moreton killed large male sand wallaby. Mail day. Jeff went down with truck to Red Island Point.

"Tip" forms.

	up to and including Prog. #5	Main Pr.	Pre	Revised list for "Tip"	
Tachyglossus	0	0		0	✓ Dorsiventrally ridge
Satanellus	0 +1 +3	0		4	shrubs, tree savanna
Isoödon	4 +1	1		6	Tree savanna
Aerobates		1			Bloodwood trees ✓
Petaurus	0	2 +2		6 (2 pch. yg.)	Bloodwood trees ✓
Dactylopsila	3 +4	1 +1		9	edge forest, savanna
Phalanger	2 +1	0		4	✓ rain forest
Thylogale	1 +2	1		8 (3 pch. y.)	✓ edge rain forest.
Protemnodon agilis	3 +1	1		10 (3 pch y.; 1 skull only)	grassy forest. ✓
Rattus leucopus	± 70 +2 +23	1		124	✓ vine scrub.
Rattus culmorum	4 +3	0		7	grassy forest. ✓
Mesembriomys	0	0		0	forest ?
Conilurus	0	0		0	grassy forest ?
Hydromys	0	2		2	stream in forest or scrub.
Uromys	3 +1	1		7	✓ rain forest
Melomys australis	30 {+1 +8	2 (1)		52 1 (other sp. ?)	✓ rain forest.
Pteropus poliocephalus	0 +1	0		1	
" conspicillatus	0	0		0	
" scapulatus	0	0		0	
Nyctimene papuanus	0	0		0	
Odontonycteris	0	0		0	
Syconycteris	0	0		0	
Rhinonycteris	0	0		0	
Hipposideros semoni	0	0		0	
" cervinus	0	1	+38	39	
" albanensis	3	0		3	
Nyctophilus	0	0		0	
Pipistrellus	0	0		0	
Chalinolobus	1	0		1	
Scotorinus	0	0		3 {2 ♂♂)	
Myotis	0	0		0	
Taphozous australis	2	1		3	
Nyctinomus	0	0		0	
Chaerephon	0	0		0	
Miniopterus	15	0		15	
Canis Dingo	1	0		1	
				307	
Species	12 (15)	12		21 species	
	19				
	6	4			

In the evening the Hollands drove us a few miles west ~~of~~ on the Cape York Road). Old Dick + I hunted back over the open country (hills, forest + scrub), young Dick + Van kept the truck + hunted along the road. They got 2 bandicoots + a juvenal wallaby. We got nothing.

Fri. Apr. 30. Another bat (H. albaversis) killed by the boys in their tent. Some Rattus + 2 Melomys. Shifted my entire water-side line (25 traps along the Lassadeenya) to long-grass sets to try to fill out our series of Rattus culmorum subsp., of which we have only 3 or 4 specimens.

Sat. May 1. Cut new trail from end of "mango line" to top of "jump-up" — about a mile. Did not quite finish. Mostly heavy scrub growing on iron stone.

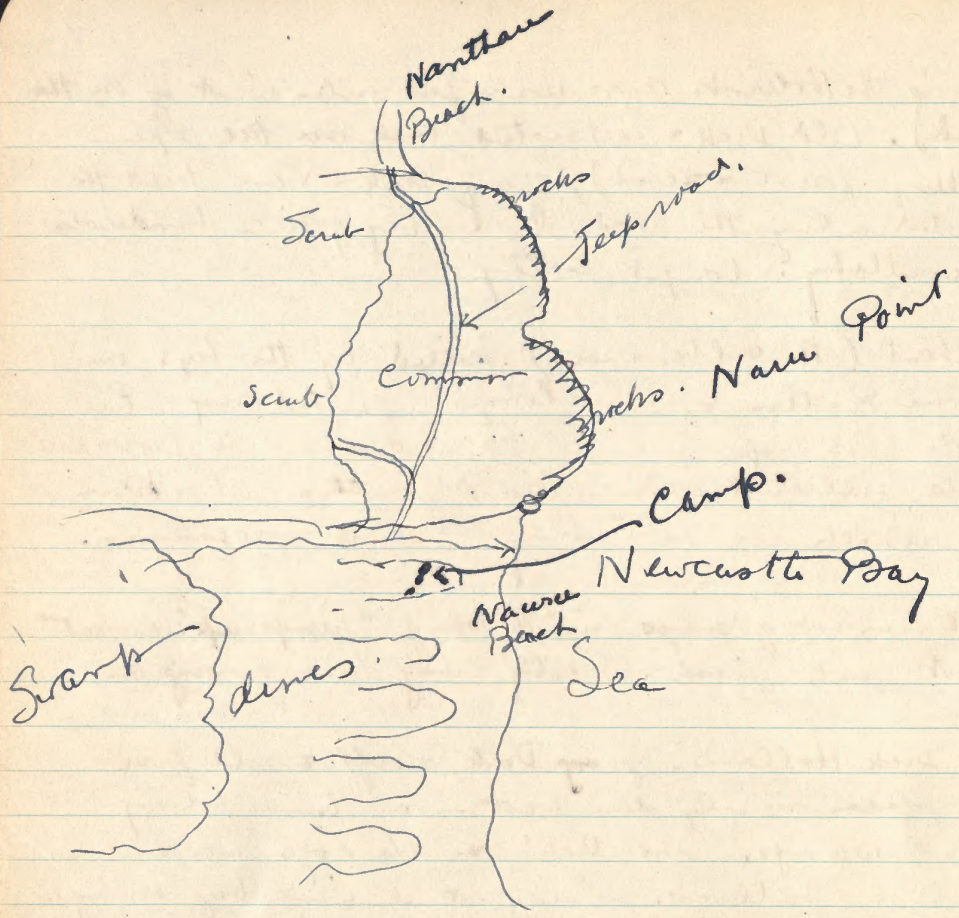
Went with Dick Holland, young Dick, + Geoff & all four dogs out to place nearly due west — a stream flowing through palm-swamps. The Dick's + the dogs went hunting pig or a bullock. Geoff + I went bag hunting. A bullock was shot. We returned about 4.30 pm. Found that two of the boys had quit their jobs + returned to Coaval Creek Mission. The old hunter stayed to take a letter from Len addressed to the head of the mission.

Sunday 2. Completed trail after skinning out catch. Set 25 traps at its end in p.m.

Newcastle Bay

Thur. May 6. Moved to Newcastle Bay, 3 mis. of Somerset. Track bad & many trees to be cut out. Near Somerset the powerful truck left the road + crossed open forest country. Stopped to see reed-filled Lake Bronto. Got bogged in stream only 1 mile from distination.

Left Lockerbie 7.45 arrived Newcastle Bay 12.15 pm. Camp up + almost in working order by night. Set few traps. Van got a Uromys + a new Melomys. The Uromys among iron-stone rocks + cliffs just above the breakers.


Nantucket Beach.
rocks
Jeep road.
Scrub
Common
Scrub
rocks. Naze Point
Camp.
Newcastle Bay
Nauset Beach
Swamp
dunes.
Sea

Fri. May 7. This camp consists of sea beach, ironstone low headland backed by short grass country, sand dunes, a postern swamp which breaks out as small streams to the sea at intervals through the dunes. The dunes are cut up by the prevailing SE trade wind

Experienced brief showers. Van trapped 1 Melomys, 1 Uromys

Total traps out: about 160. Jacking at night: Van shot a Dactylopsila; I caught a night-hawk by hand.

Sat. May 8. I trapped 2 Melomys; Van + Morton nil. Van's Melomys of yesterday may be new. Beach south of us is named Nare Beach, that north Nanthan Beach (1 inch = 1 mile). The rocky point between is Nare Point.

Far to SE can see heights of Turtlehead Island.

Van + I cleared back trail to Somerset Rd for about a mile — across creek where truck bogged down earlier in week. Weather improved.

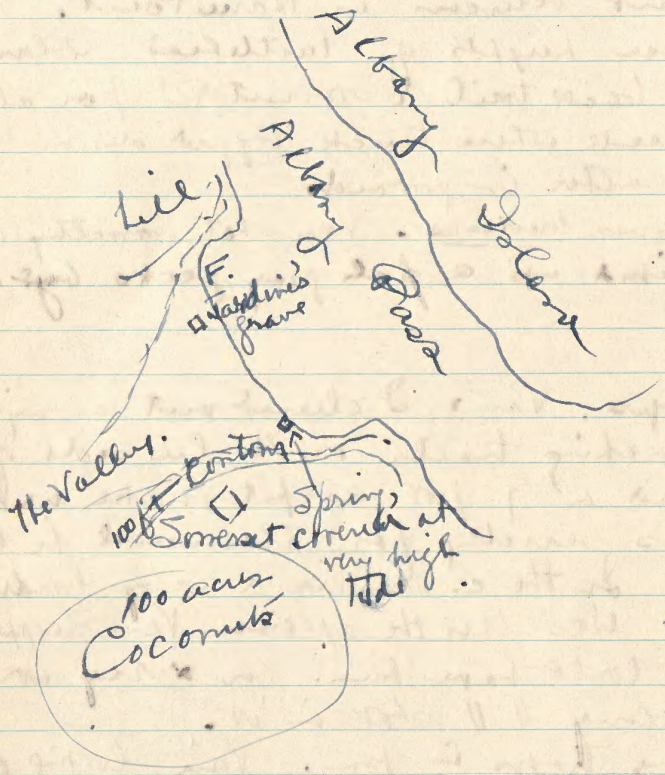
Jacking I shot a Petaurus breviceps. Van shot something but couldn't find it. I picked up a pale gray gecko by hand. + 2 frogs.

Sun. May 9. Nothing in any of the traps. Van + I cleared out a night hunting system of branching trails on the lee side of the scrub. Van killed a 7-foot carpet snake under the tree where she was searching for the animal he had lost the night before. In the c.s. were a baby bandicoot and an Acrobates. Was this the specimen Van dropped the night before? It could have been. An x-ray would show whether it had any #11 shot in it.

I shifted 15 of my traps in pm. Van looking for bats at sea-cliff.

Mon. May 10. Van netted Taphozous and Hipposideros cervinus in crevices in ironstone cliffs facing sea. Morton too, Rattus lencopus + 1 skink.

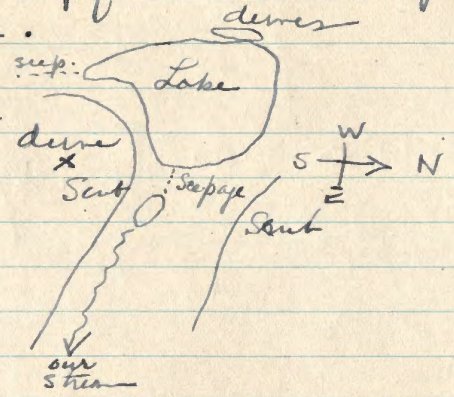
I cut new track behind dunes to connect with my S.W. trail. Plenty of green hornets.


Albany
Albany
Bay
Lake
Hill
F.
Hardin's grave
The Valley.
100 ft contour
Somerset creek at very high tide
Spring
100 acres Coconuts

1948.

Wed. May 12. This morning hunting for hollow trees possibly containing bats – out to Lake.

Old dunes, now heavily forested map in the lake to SE. There is no true outlet but seepage occurs through low sandy plain.



No bat.

Yesterday bat hunting with Van in a.m. Shifted some traps. Jacking at night.

Dick Holland arrived in his truck. He + Van went jacking for 3 hours. No results.

Thur. May 13. Nothing in traps. Morton shot a Thylogale. Trip to Somerset.

At Somerset we saw the old Jardine residence – abandoned now for at least 5 years. Also saw Jardine's grave – just below the beach in the valley. Took nearly 40 bats, Hipposideros ewyrinus, including the red phase, in the ceiling of living room. Albany Island, across Albany Pass (½ mile wide?). Lost of attractive.

Fri May 14.

Back at camp about 5 p.m., after stopping to examine both Lake Bronto and Lake Wickenna.

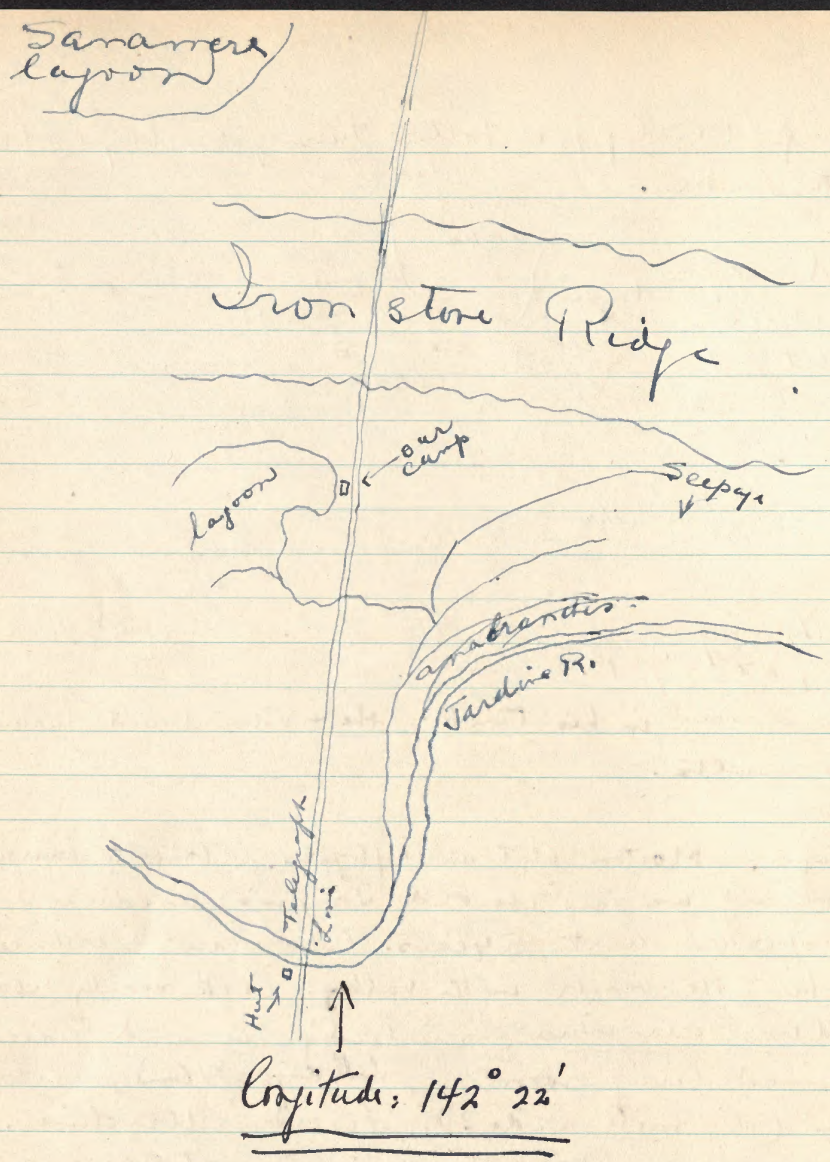
→ Returned in a.m. to Lockerbie.

Sat. May 15. Sent Van to work the saw mill scrub – 2 miles NW of Lockerbie.

Sun May 16 Mon. May 17. } Mostly packing. Shot another Phalanger maculatus.

Jardine River.

Tues, May 18. Left Lockerbie at 7.30. Dick drove us out to the Higgins Field at Jacky-jacky Creek; then back to the Water Head Road & along the telegraph line. Crossed the Biffin Creek (sandy swamps) by a very rickety



Longitude: 142° 22'

old bridge. South of that a succession of very low ironstone ridges with sandy hollows intervening led to Lake Sanamere – large shallow swampy lake – on our right (west). One more ridge gave on the Jardine River (100 yards wide). Camp was finally placed at the foot of the last ridge by a little swampy lagoon subject to a 3-4-foot rise in flood time. Thus Sanamere is 1½ miles away north & the Jardine crossing 1 mile south – but the river can be reached only 300 yards east by crossing a knee-deep ox-bow.

The land is poor and sandy. The boy Roy & I put out 75 traps. That evening I hunted back along the road to Sanamere. All I saw was a flying fox on the wing. There are lots of spinifexed plants, however, and Leo is sure to reap a harvest.

Wed May 19. Nothing whatever in the traps. We had 3 lines: one along the lagoon & its approach slopes (35 traps); 15 more up on the ironstone ridge; and 25 more along the bank of the Jardine.

Later, when taking a "walk-about", found an old dead male wallaby (M. agilis), and saved the skull. Probably he came to this inhospitable land to die.

Thur. May 20. Jacking last night: 1 wallaby (sand) with large "joey". Could have shot others. Killed a night hawk by error.

Today traps empty & undisturbed.

In p.m. used wallaby carcass to bait dingo traps – drag-bait.

Jacking. Shot a gecko in "Cryptomeria" at river side, right at road crossing.

This is certainly a dud of a camp.

Fri. May. 21 Picked up traps.

Sat May 22 — Dick Holland drove into camp about 5.30. We packed. In a.m. got away about 8 a.m. Wee bad: drizzly. Q stor at a fly. Place of "Sand Joannes". Reached Red Island Point about 11.30. Found Van & Morton O.K. Van had 2 flying phalangers – racing rats, a Phalanger, a spotted cat.

Evening set traps for spotted cats: a battery of 8 towards bacon rinds. Van camp'd on in old iron barge on beach.

Sun May 23. — Skinning the wallaby & Urinys taken by light last night. Also killed a civet-marked white lyed house cat 5 miles out.

Q "tyin stark" stor off jetty. Drying specimens & tents. Sent boys home prior to trip to Portland Roads.

Tacking at night – nothing. Full moon.

Mon. May 24. — Reorganizing. Van got a "cat" at Coral Creek in ceiling of school house.

In my view the "Tip", roughly 10 miles x 10 miles represents a relatively poor part of northeastern Australia. It may however have been much richer or have had a very different population at various times in the past – for it undoubtedly served as the highway for communication with New Guinea.

Today its greatest height of land fails to reach 300 feet. Its geology is basically granitic, altered in some parts to lateritic residual material, in other parts to sand and, rarely, clay.

It is chiefly covered with open forest. But along the main ridge & parts of subsidiary ridges there are also considerable areas of scrub or rain forest. The presence of this rain forest is controlled by a combination of humidity and soil conditions. Optimum forest & highest rainfall are found at & around the sawmill pocket, 2 mi n.w. of Lockerbie. It carries some swamp & dense areas.

With the exception of the taro the ~~[illegible]~~ marsupials

Topotypes thus far secured at the "Tip" (except *)

Satanellus hallucatus predator Thomas, 1926.
The type was taken by Robert Kemp at Utinque.
Isoodon peninsulae Thomas, 1922
" " " " "
Dactylopsila picata Thomas, 1908.
Type taken at Port Albany by C. Coxen.
Phalanger maculatus nudicaudatus Gould, 1850.
Type taken by Macgillivray at "Cape York".
" " var. ochropus (a synonym) Gray, 1866.
From Port Albany, collected by C. Coxen.
Thylogale stigmaticus coxenii Gray, 1866.
Type from Port Albany by C. Coxen
" " gazella De Vis (= coxenii)
Type from Somerset by ?
Protemnodon agilis jardinii De Vis, 1884.
Type from "Cape York", collected by K. Broadbent.
Rattus leucopus Gould, 1867.
Type from "Cape York" collected by "Dämel"
" terraeregina Alston (synonym) 1879.
"Cape York".
Uromys caudimaculatus ~~Peters~~ Krefft, 1867
"Cape York"
" macropus Gray, 1866 (synonym).
Port Albany, collected by Coxen.
Melomys australis Thomas, 1924.
Type from Piara, collected by R. Kemp.
* Pteropus secundatus Peters, 1862.
Type from "Cape York"
Hipposideros cervinus Gould, 1854.
Types from "Cape York and Albany Island" by Macgillivray
" albanensis Gray, 1866
Type from Port Albany by C. Coxen.
Taphozous australis Gould, 1854
Type, Albany Island, coll. Macgillivray
"Haplotis personata Krefft, 1867
Type from "Cape York". (1 + 1, Cat photo in Rattus rattus)
Notomys agilis Thomas, 1921
Type from "Cape York" collected by Cockerell

fauna of the "Tip" comprises for certain species: Monotremes, 1; Marsupials, 8; rodents, 5. These are divided between rain forest + open forest habitats as follows:-

	Rain forest	Open forest.
Monotremes:	Chiefly Australian Tachyglossus	
Marsupials		Sarcophilus Isoödon Acrobates Petaurus ?
	Dactylopsila ? Phalanger Chiefly Australian. ← Thylogale	→ Protemnodon
Rodents	Rattus leucopus	
		Rattus culmorum
	← Hydromys	→ chiefly New Guinean.
	Uromys Melomys.	

Of the "rain forest" groups all but Thylogale and Hydromys find their nearest relatives in New Guinea.

Of the "open forest" group Sarcophilus is the Australian representative of a New Guinea genus but the sub-family to which it belongs is Australian. All others of this list are Australian. Hydromys is common to both Australia and New Guinea but the other genera of the Hydromyinae are confined to New Guinea. Thylogale with three Australian species + one belonging to New Guinea may be held to be chiefly Australian. Tachyglossus is chiefly Australian, only penetrating into south New Guinea. I am not wholly convinced that it should be classed as a "rain forest" animal.

Thursday Island

Wed. May 26. Thur. May 27

The "barge" (landing barge of war vintage) came late in the afternoon when the tide was low. We got up at 2 a.m., loaded the barge at high tide & left as soon as possible (3.30) for Thursday Island, arriving there Thursday at 8 – in time for breakfast.

We tied up alongside the "Algoma", a 700-tons steamer, which will take us tomorrow or Saturday to Portland Roads.

We are staying at Mrs Callaghan's hotel, next door to Burns Philp Co.

In the afternoon I crossed the island via the old cemetery to look at the north shore. Van beated quite a lot of bats in old buildings.

We are invited this evening to Kadzow's. Met there four captains of ships, Dr & Mrs Barnes (the former came on a brief visit to Lockerbie while we were there), and Mr & Mrs Meek. Mr Meek, in banking, is the son of A.S. Meek, who did so much zoological work for Rothschild in New Guinea.

Kadzow years ago visited Somerset & there met Robert Kemp, collector of several local mammals. Kemp, says Kadzow, used to collect for Gregory Matthews, now one of the governors of the Australian Museum, Sydney. Kemp worked at Utrigue and Piara.

Fri. May 28.

Van has developed an eye infection and may possibly have to remain behind in T. I. under the care of Dr Barnes.

A good day for photos. Nairent. Skinned 16 bats – Scotoinus – collected by Van in fort at west end & fished on top of hill. In fore we went out there for more. They hang in dense clusters, partly from the ceiling, partly from one another. A reddish headed & naked form with the ordinary gray. The reds mostly ♀.

The "Algoma" to Horn Island at 5 pm. Will return to pick us up at 9 a.m. tomorrow. Going to visit Dr & Mrs Barnes this evening.

Captured at
Portland Roads:-

	Open forest	Small scrub (rain forest)
Melomys large small		✓
Hydromys	✓ (creek in open)	
Protemnodon	✓	
Thylogale		✓
Uromys		✓
Nyctimene	✓	
Petaurus	✓	
Rhinolophus	✓ (in hut)	
Pteropus	mangroves	
Taphozous	✓ (in hut)	

Fri
~~Sat~~ May
29.
28.

Algoma to cross to Horn Island this pm & leave T. I. Sunday at 9. a.m.

Skinned 16 Scoteinis found by Van in ammonitor room in fort at western end of T. I. Then we went & collected 51 more living. They could be seized by the handful, as they hung in great clusters, sometimes from one another's bodies, from the ceiling.

Vans under sodium sulfacetimide – Dr Barnes.

To Dr. Barnes house that evening (previous evening to house of Mr. Kadzow) & met the Torres Strait Pilots (4 of them)).

Sat May
29.

Algoma sailed at 9 a.m. Van's eye much better, though still having drops. A good passage & fair weather. We pickled all 51 bats in formalin. Passed through Albany passage & again saw Somerset.

Portland Roads.

Sun. May
30.

Reached Portland Roads pier about 8.30 a.m. Unloaded very promptly & ship left. Used Dixie's truck to take things up to disused army hut on his place. Vernon had arrived on the Wandana the day before (we passed her at 9 pm. the night before). In pm got out 60 traps & Van a number more. Total something over 100.

Went jacking. Van got a possum, I a white-tailed rat. We could find neither of them.

In pm we climbed the hill on which the former radar station stands. Good view but unimpressed with possibilities of the place.

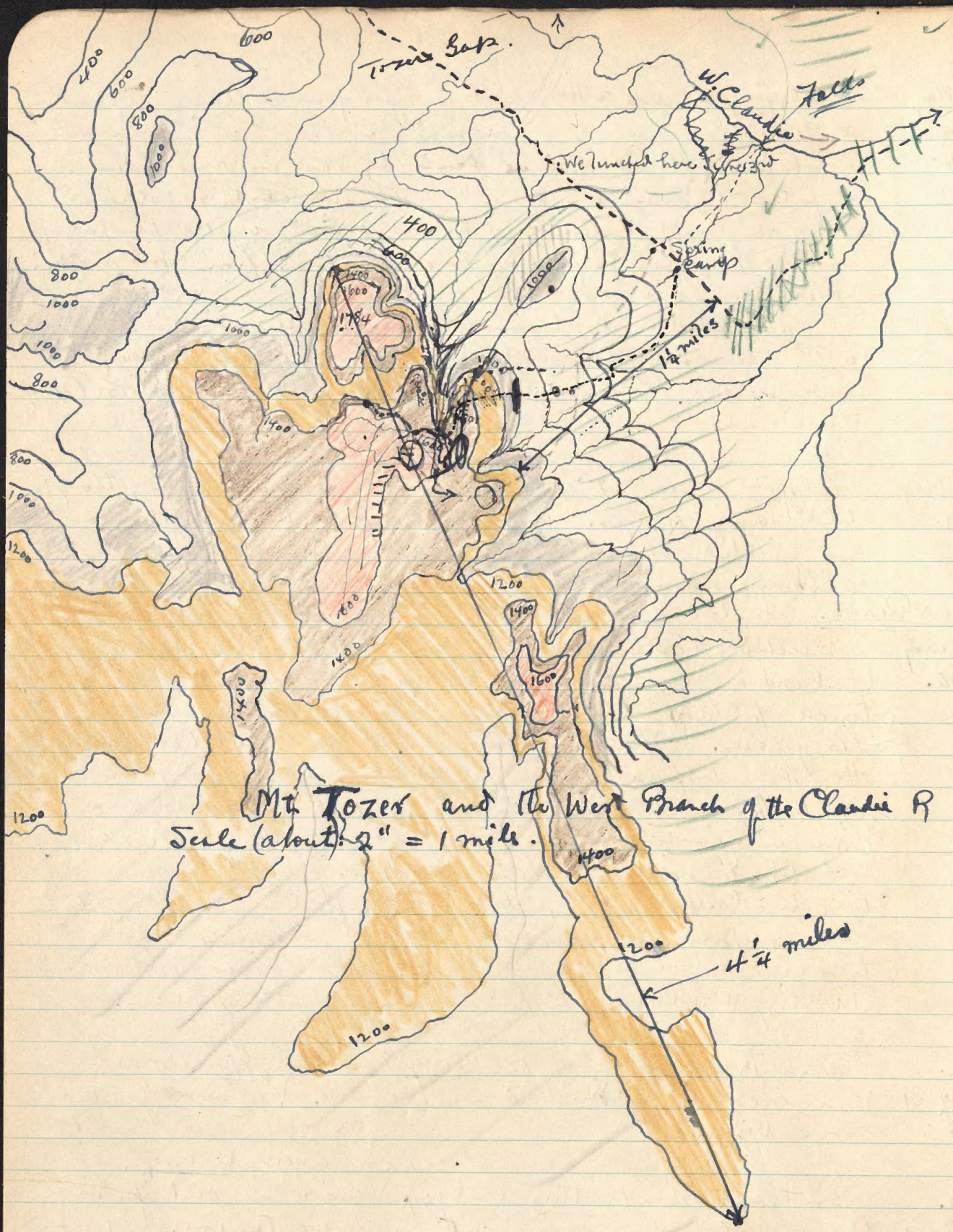
Mon.
~~May~~ 31

In traps only a Melomys and a Hydromys – Van wore. Wea. bad – showery. Vernon getting some birds.

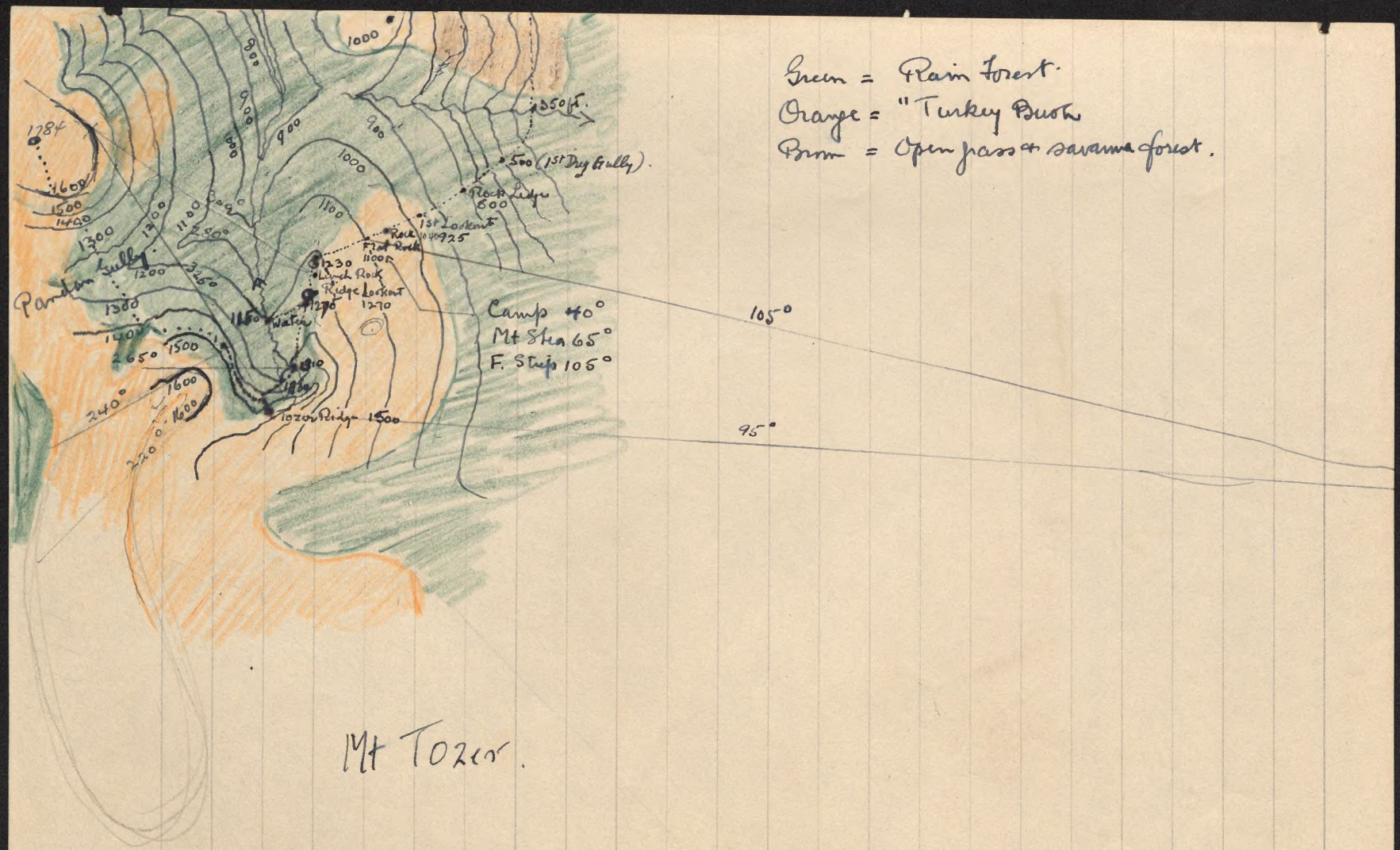
Tues.
June. 1.

In traps a Rattus only; Van & I out jacking the night before caught a Nyctimene. It had brilliant golden eyes under the light & seemed to be phototropic. It fluttered to me & settled an instant on my chest. I patted & missed. Then it flew to Van who also missed. Next it flew down into the grass where we seized it.

Van had a young Uromys.



Mt. Tozer and the West Branch of the Claudie R
Scale (about) ½" = 1 mile.


Green = Rain forest.
Orange = "Turkey Bush
Brown = Open pass & savanna forest.
1000
800
900
1000
1100
1200
1300
1400
1500
1600
1284
350 ft.
500 (1st Dry Gully).
Rock Ledge
600
1st Lookout
925
Rock
Flat Rock
1100
1230
Lunch Rock
Ridge Lookout
1270
Water
Pandan Gully
Camp 40°
Mt Stea 65°
F. Strip 105°
105°
95°
265°
240°
220°
Tozer Ridge 1500
Mt Tozer.

Wed. June 2. This place is another Newcastle Bay – a fair variety of species but very few specimens. Today another Rattus of the Leucopus group.

Jacking is unsatisfactory :- Van & I out three successive nights for about 2½ hours. Thus we have put in 7½ man-hours. The results are 1 Petaurus; we ~~both~~ missed another shot each; Van another Petaurus (?) and I a native cat (?). If we had secured these we should still be reading 2 hours jacking to the specimen.

A letter from Dr. Kesteven dated May 24th stating he is sending more Bouin solution.

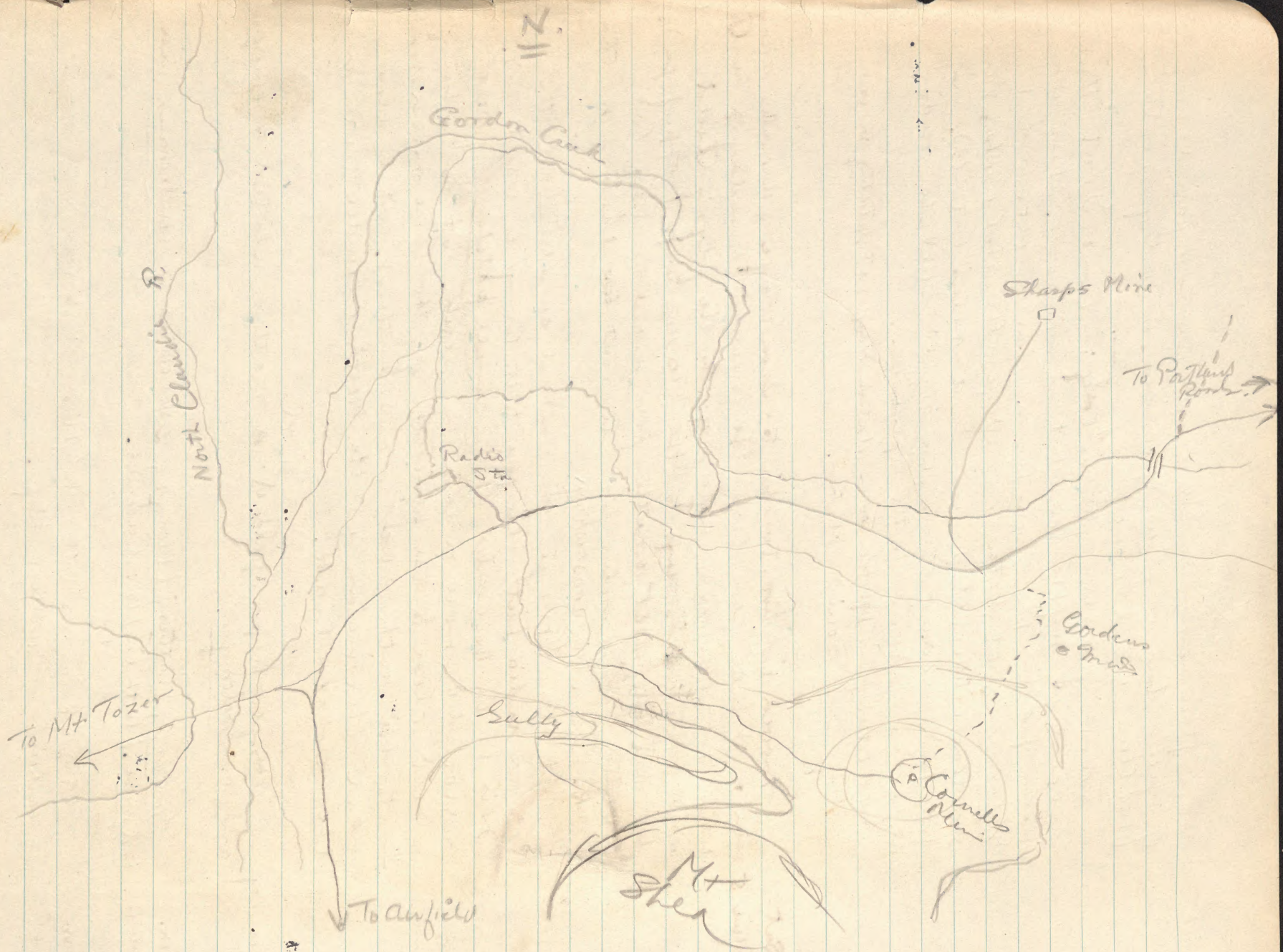
Sat. June 5 Moved in two trucks to Iron Range, 16 miles away. Len & I had been there the previous Thursday & travelled with Mr. Pinwell by jeep to the flying field and afterwards up to the Tozer Gap (opp. page). We had the worst weather for several weeks, but selected camp sites for the next ~~two~~ 1½ to 2 months work. Saw a big cassowary.

At Iron Range we settled ourselves in the former radio hut belonging to the Army (in war times). This is in the center of a small patch of forest surrounded more or less by scrub. It is centrally placed close to the junction of the three main roads – to the south, west, and northeast. It is also near the junction of the North Claudie River and the Gordon Creek.

Sunday The few traps yielded several Rattus related to Leucopus and a Melomys.

Mon. June 7. Melomys, Rattus, Uromys, 3 specimens of Antechinus near godmani. With lights: Cuscuses.

Tues. June 8 Shot 2 ♂♂ Cuscuses with jack light's – Both near same age as earlier. Turtle in trap.


N
Gordon Creek
North Claudius R.
Sharps Mine
To Portland Roads
Radio Sta
Gardens of Moss
To Mt Tozer
Sully
Cornell Mem
Mt Shea
To Anfield

Wed
June 9.

Weather now fair. Trapping poor. Water shot a scrub wallaby Thylogale stigmatica. Mail day. Plane in at 4 pm. Harold Moon & "Snowy" Baker arrived for Wenlock. Sallups of "Wam Roads" due by plane. Mail night.

Thur.
June 10.

Shot 8 cuscus on ground in floor forest. Three phascogales in traps. In pm Van & I went up Mt Shea (620 ft.). Conditions shrubby & unattractive.

Sunday.
June 13.

Trip with Lin, Prowell & Moon to within 4 miles of Pascoe River crossing. (see below).

Large wallaby or Valleroo? Shot by Barry Dister between Claudie & New Claudie air strips. Male. Weight. 56 lbs. Sandy colour, & scarcely darker than Sand Wallaby. Dimensions: Total lgth (taken by Don Vernon) ~~106~~ 73 inches (~~2642~~ 1855); tail, 33 (838), hind foot, 9½ (~~256~~ 241); Ear (from notch), 3 3/4 (~~369~~ 95); greatest girth (?), 27 inches ( )

Skull:- cond. basal l., 154 mm.; z. b., 80; pal. l. 96. p^4, 9.5; m^1, ±6; m^2, ±7; m^3, ±8.5; m^4, ±10.

Wed.
June 16.

Extremely busy last few days. - Numerous spotted cuscuses and fair number of trapped mammals. Night hunting every night.

Weather uncertain - showery.

Sat.
Jun. 19.

Very busy last few days. More cuscuses; a spiny anteater, a bandicoot. A cold snap last night, with minimum 58°.

June 21.

Don caught a large ♀ P. maculatus with tiny pouch young. The mother weighed 8 lbs 4 oz. The young was given to us (ambulist no. 10945).

Captured at Iron Range.

		Open forest	rain forest.
Phalanger	maculatus		✓
"	orientalis	"	✓
Melomys	(large)		✓
"	small	✓	
Rattus	leucopus		✓
Uromys			✓
Antechinus			✓
Hipposideros	diadema		(rare)
"	cervinus		(")
"	sevoni	✓(house)	(")
Rhinolophus			
Thylogale			✓
Hydromys.			✓
Dobsonia		✓	
Scotemus		house	
Sminthopsis		✓	
Rattus	leucopus	✓	
Tachyglossus			✓
Isoodon		✓	

Sun. June 20

a proposed schedule designed to carry thru to Coen follows:-

1. Pack 3 weeks stores for 2 camps.
   a. Tozer area — June 28 - July 12.
   b. Bruns Creek — July 12 - July 19
2. Return to Iron Range and reorganise:- — July 19 - July 21
3. Move entire outfit to Weipeck — July 22 - July 26
4. Weipeck to Archer River — July 27 - 28.
5. Archer to Coen — arrive July 28.

Work in Coen for a month & reach Skipton's Flat, via Cooktown about Sept. 1st.

Meas. of Phal. maculatus (in Q'land mus). 955; 445; 75; 20 (ear).

Sun June 27

All last week occupied trying increase collection. Van spent 2 nights at the Gordon Landing strip & got a very good collection which included Hipposideros semoni. I went up to the Douglas Dister "mine", Scarlet Pimpernel with Barry Fisher in search of a "fat-tailed mouse" which used to be seen there 5 years ago. The place was totally abandoned & little left of it. We camped in Barry's truck. I put out 80 traps & caught nothing.

We moved up to the north fork of Mt Tozer today. Barry failed us (probably car trouble), & Mario Rovda & Leo Ferris of the Airport together took us up the six miles of hill-road to this place. (See map 2 pages back).

Set a few traps out.

Mon. June 28.

Grass Melomys, Smithopsis, Rattus culmorum ~~coratus~~ (?), Isoodon. Started cutting track for camp on Mt Tozer. Got up to about 800 feet. Van & Morton attending to traps. Will take Roy with me tomorrow.

Animals expected in Mt Tozer ~~station~~.

Tachyglossus		
Antechinus (in rain forest).		✓
Sminthopsis		✓
Dasyuroides	??	
Satanellus	??	✓
Isoödon		✓
Perameles	??	
Echimypera	???	
Acrobates	??	
Eudromicia	??	
Dactylopsila	?	
Petaurus breviceps	?	
Petaurus	??	
Schoinobates	??	
Pseudocheirus peregrinus	??	
" archeri	??	
" lemuroides	??	
Trichosurus	??	
Phalanger maculatus		✓ ~~(?)~~
" orientalis		
Hypsiprymnodon	???	
Aepyprymnus	???	
Dendrolagus	?	
Petrogale	??	
Thylogale stigmatica	?	✓
Protemnodon agilis	?	
Macropus robustus	??	
Macropus (Jaganleans) (Canguru)	??	
Hydromys	?	
Rattus leucopus		✓
" culmorum		✓
Leggadina	???	
Mesembriomys	??	
Conilurus	??	
Notomys	???	
Melomys australis		✓
Melomys		✓
Uromys		✓
Pteropus	?	
Dobsonia	?	

Nyctimene	?
Syconycteris	??
Odontonycteris	??
Rhinolophus	?
Hipposideros	?
"	?
"	?
Nyctophilus	??
Chalinolobus	??
Eptesicus	??
Scotemis	?
Miniopterus	??
Kerivoula	???
Taphozous	??
Nyctinomus	??
Chaerephon	???

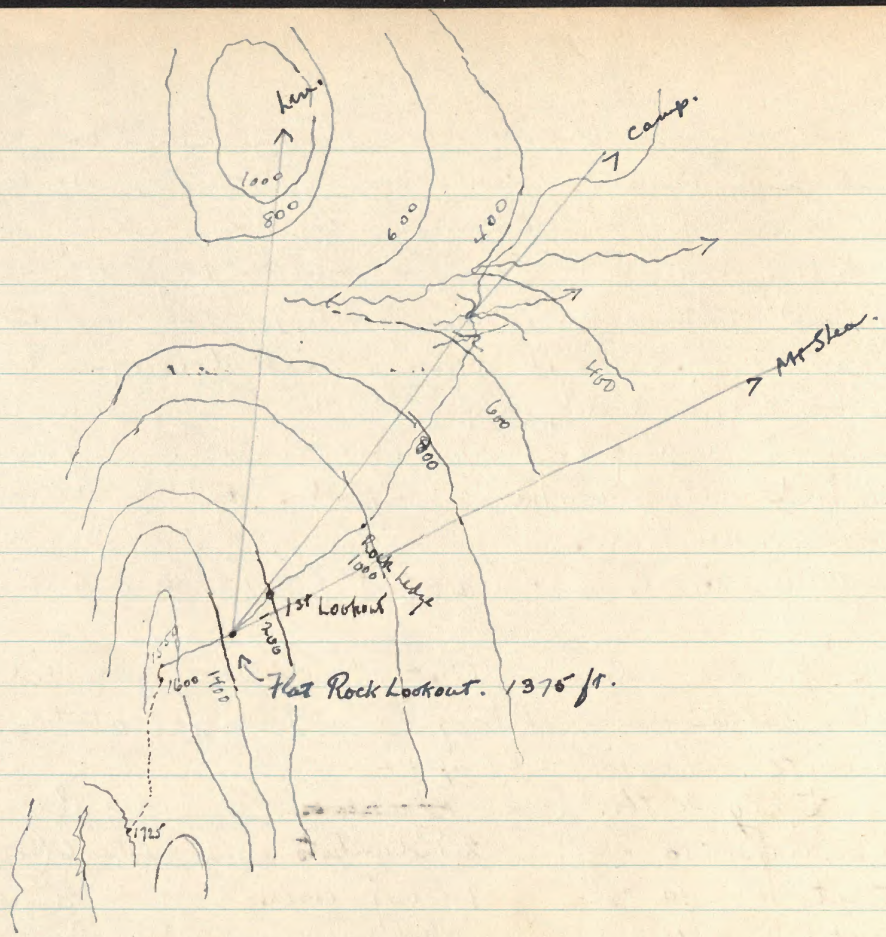
✓ means: collected.

Tues. June 29. Took Boy & turned & returned to the attack on Mt Tozer. Aneroid read high in terms of the map contours. The last 300 feet to the crest of the ridge I was ascending yesterday was dense "turkey bush" & very tangled & hard to go through. It was mixed with loose rock (granite.). The crest was reached about 11.30. On its western side low open rain forest, which immediately replaced the bush, gave much easier going. The ridge crest ran due south. I paralleled it 50 feet below in the rain forest. After lunch cut on south for another hour.

A bandicoot's nest 200 feet ~~f~~ below the crest on the east side.

Wed. June. 30 Finished prelim. exploration of Tozer, & located water & camp site. A diagram showing form lines & vegetation is shown herewith. Plans for camp:-

Tent fly	10 lbs.	~~Blankets~~	lbs.	
80 m. traps	10 "	2 Blankets each. 3 lbs.	6 (or sleeping bag 5 lbs).	
25 rat "	10 "	1 Swag cover	3	
10 steel "	10 "	extra clothes	4	
Bait	—	1 machete & file	1½	15 = 30 lbs.
Formol & Hypo	1 "	(notebook & pen)		
Gun	8 "	~~Luminous lamp.?~~	2	
Ammo	1 "	1 loaf bread.	6	
~~Poison bait~~	~~1 "~~	2 tins cond. milk	2	
Jack light	2 "	¼ Tea	½	
	53 lbs.	Sugar.	1	
Hand torch		oatmeal		
		waterbag		
	45 lbs.	pannikins		
	15 "	plates knives forks spoons		
	15 "	soap		
	75 "	~~onions~~		
		2 billycans		
Dm.	30 "	~~1 frying pan~~		25 lbs.
bird eggs	15 "			
	120 "	camera	2½ lbs.	
5 carriers	25 " each	meat.	2 lbs.	
4 "	30 " "	medical.		
3.	40 " "	can opener		
		tomahawk		


Lump.
1000
800
600
400
Camp.
Mt Shea.
450
600
800
Rock Ledge
1000
1st Lookout
1200
1600
1400
Flat Rock Lookout. 1375 ft.
1725

Thur. July 1. Lew went up to Tozer. Van + Don getting ready for carrying up there tomorrow. Have boys, Morton + Roy, clearing the road back to Tozer Creek for right beauty, went down to the Claudie - Very pretty rock pool - quite large - large exposure of granite rocks - very picturesque.

Fri. July 2. Van + Don, each carrying approximately 50 lbs, left for Tozer shortly after 8 a.m. Weather misty to drizzly. Not too favorable.

Rain forest traps (110 of them) produced a Rattus lucopus + 2 Melomys. Open forest traps (55) gave nothing. Ned Pinwell, of "Main Roads", who spent the night here returned to Helen this a.m. Morton out with gun. Roy moving traps.

Traps out:

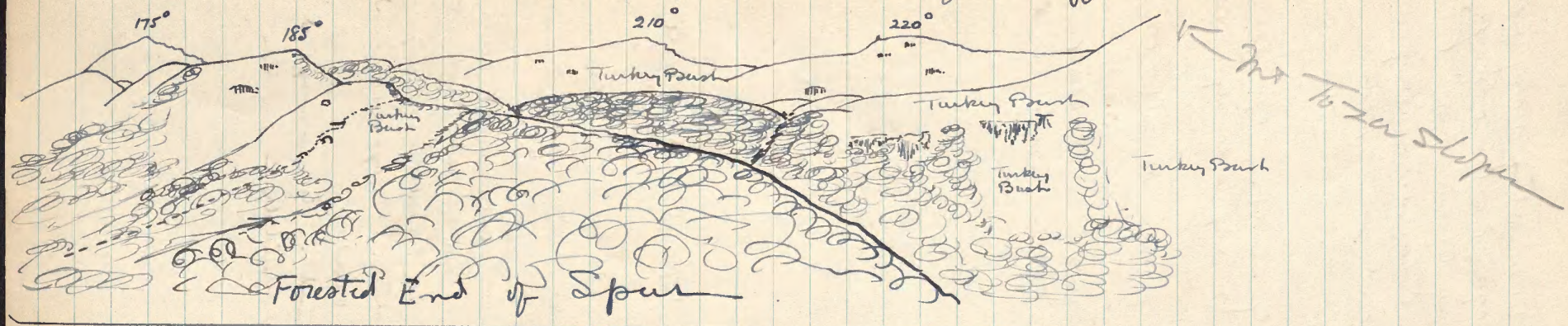
Van	55
Roy	30
Morton	48
Tate	80
Milani	106
	319

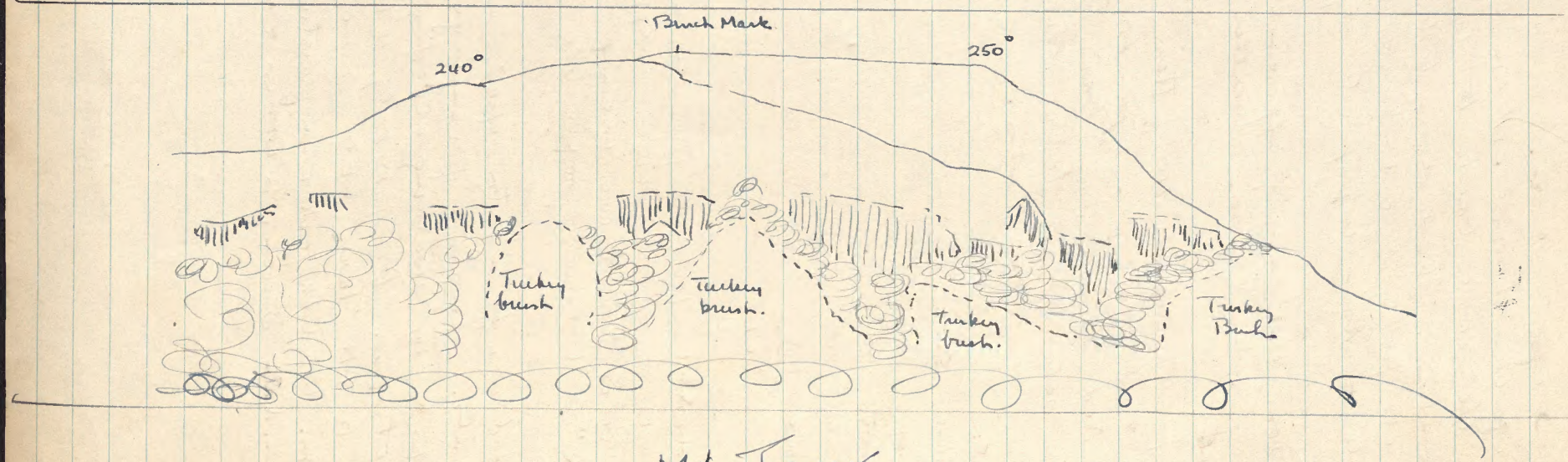
Sat July 3. Weather very bad. Unfortunate for men on top. Cloud, drizzle with rare gleams of sunshine. Trapping poor. Geoff down to Portland Roads to meet our incoming supplies on the "Wandana". Wombeek people took him down.

Sun. July 4. Boys down from mtn report almost incessant rain. No mammals. Swarms of very large crickets ate the bait off the traps + lay swarming + clouding the treadles spray the worst traps. Don got only 2 birds. Boys reached Δ-mark on Mt Tozer but got no view.

Late pm. Wombeek folk + Geoff returned. We managed to accommodate 3 men, 2 women + 4 children for the night.

Hills to S. + E of Mt Tozer. Seen from Pufftalownie Peak





Mt Tozer.

Mon. July 5. Only 3 mammals in traps. Drizzle & mist continue. Wetlock people, after trouble starting car, got away about 9 a.m.

Tues. July 6. Hugh Dixie brought: 1 snake from West Claudie River; 1 Lizard from Iron Range Flying Strip; 1 *Hipposideros cervinus* from house at I. R. F. 5.

Wed. Thur. Fri. July 7-9 Up mountain. Ran into bad weather but left gear in new camp made by Van & Don & taking traps, 12 steel, 10 rat, 15 mouse, went on to Pardon Gully where met Geoff & Len coming back in the drizzle. Len showed me the places under low *casuarina* forest which he believed to be "runways". Though I could not agree with him I set the whole of my steel traps, with bacon & mucaem bait lures suspended over each, in that area. I also put 5 rat traps & 15 mouse traps there. The other 5 rat traps were placed in Pardon Gully. In 2 nights 4 grass *Melomys* were caught in the last named place & 2 in mouse traps in the *Casuarina*. The other trap there was disturbed.

What deceived Len on the runway question was the large number of cavities & such caused by the natural fall of the casuarina leaves, almost exactly like the "foot places" seen in pine woods at home where for years the needles have fallen & lain undisturbed on sticks & debris. Such cavities are not runways, though they may be ~~used sometimes~~ sometimes by mammals & become such. Other more open "runways" were in my opinion down-hill water channels flooded with dropped *Casuarina* needles.

Len & Geoff went down that afternoon. That evening the weather being only damp, not raining, I went out with jack light. Nothing.

Thursday. Found the above mentioned *Melomys*. In other traps near camp nothing. All traps put out had bait guards to keep off, as far as possible, the voracious "crickets" (really wingless Locustids) reported by Van & Don.

In form rebaited &, the sun appearing momentarily, took few photos of Pardon Gully & Tosser. That evening fog & drizzle. The traps began to snap. I found three & four crickets at each. Often struggling to

get at the baited cavity beneath the bait guard. Despite my having set the traps "hard", the crickets by crowding onto the treadles often set the traps off. They were cannibalistic & the newcomers enthusiastically devoured the stiff living bodies of those snapped in the traps. In one spring trap with loose treadle I saw one cricket wrestling with the movable treadle in its attempts to get at the bait under the bait guard, raising & lowering the hinged treadle in its attempts. Several crickets came into camp, apparently attracted by our fire. The crickets appeared to be most plentiful when either rain or fog-drip was falling.

Rain stopped at about 9 pm. Night remained dry. Picked up traps in the morning. 3 more grass wallabys at Pardon Gully. Geoff & Willie came about 10 to help move camp down below. Arrived just after 12.

Van meanwhile had trapped a native cat, Satanellus; & Moreton had shot a fine large male spotted cuscus. A few smaller mammals had been brought in, but the fauna in general remains very scanty. From the Tozer area generally we have only 11 species. And we move out next Monday.

Sat Jly 10 — Another native cat (Van) – a young ♀ with the pouch area a distinctive purplish pink. Trammer 4-4 = 8 Pouch of ♀. Ammed little developed.

In pm cycled out on west road photographing. Ample fresh foot prints of dingos & pigs but more of wallaby. Few signs of bandicoots.

Sun Jly 11. — Last night made an eight-trap set for dingos, the tracks of which were numerous on the road ½ mile to a mile west of camp. Nothing caught or disturbed this morning, however. Fine, fair day yesterday & everything dried up. Today cloudy & threatening showers again.

Mammals Expected at Brown's Creek. (1 week).

Ornithorhynchus	????	
Tachyglossus		
Antechinus	??	
Sminthopsis		
Satanellus		✓
Isoodon		✓ (pieces in crow's stomach)
Acrobatis	??	
Dactylopsila	??	
Petaurus breviceps	?	
Trichosurus	??	
Perameles	???	
Petrogale	???	
Thylogale	??	
Protemnodon agilis	?	
Macropus robustus	??	
" canguru	??	
Hydromys	?	✓
Rattus lucopus	???	✓ (Q)
" culmorum	?	✓
Leggadina	???	
Mesembriomys	???	✓
Conilurus	???	
Notomys	??	
Melomys austelius		✓
Melomys (large)	???	✓ (Q)
Uromys	??	
Pteropus gouldii	??	✓
Dobsonia magna	??	
Nyctimene	???	
Syconycteris	???	
Odontonycteris	???	
Rhinolophus	?	✓
Hipposideros semoni	??	
" diadema	???	
" cervinus	???	
" ater	?	
Nyctophilus	??	
Chalinolobus	??	
Eptesicus	??	
Scotemanes	??	✓

Miniopterus	??
Taphozous	??
Nyctinomus	??
Chaerephon	??

Mon. July 12. My dingo trap-set (8) caught a native cat - 3 legs + feet each caught in a separate trap.

Main Roads truck came in good time. A very tight fit to get us moved - in fact, Don Verson cycled to the new camp at Brown's Creek. Nearly all set up by mid-p.m.

Traps: Roy, 10 steel, 10 rat; Van, about 16 traps; myself, 28 traps.

Evening: Van & I out for a mile along SW road. 1 Pteropus gouldii on bloodwood flowers.

Tues. July 13. Traps: - 2 spotted cats in one double set (2 traps at one peg). Nobody else caught. Van took a rat's foot (probably R. culmorum).

Cycled about to Canoe Creek. Dingo tracks common; native cat fairly numerous; wallaby few.

Wed. July 14. Today Van took the only specimens: 2 Hydromys, 1 Rattus culmorum.

By late pm the number of traps put out was:-

	Steel traps	Rat traps	Mouse traps	Total
Van.	10	30	45	85
Myself.	40	30	35	105
Roy	5	30	0	35
	55	90	80	225

My traps are disposed: 25 low Turkey bush (mouse); 10 top gully (mouse); 10 high dry open forest (rat); 15 high cliffedge, in gulley wood, overhanging Brown's Creek (rat); 4 low, below same cliffs (rat); 1 water edge (rat); 3 water edge (steel); 2 below cliffs (steel); 4 above cliffs (steel); 10 open forest (steel); 20 variously placed up-stream.

Weather overcast, becoming drizzly in late p.m.

Thur. July 15. Jacklighting last night shot two fog-moths and a Pteropus gouldii. The birds were perched at the side of the road 10 feet up and 200 yards apart. The fruit bat, which contained a large embryo, was on bloodwood flowers. Others were seen flying by at considerable heights.

This a.m. only a small Melomys. Don took a Rattus leucopus. Its h. ft. 36; wt 3.6 oz.; mamm., 1-2=6; Tail, 186.

Extra Mammal supplies for Werlock - Coen Work.

1 box BB.
1 box 9
1 " 6
1 " 410 #11
1 " " dust.
2 cans bait
large tail wire
naphthaline
~~1 cotton~~
1 labels (skull)
file
wrapping paper
2 boxes bettiers
beaming board
formalin
paradichlorb.
alcohol.
repellant.

Iodine
Epsom salts
bottles for

Rif. .22 amm. -

Van's box 35? + suitcase
" wants no 94 (broken end trace.)

Fri. July 16. Van shot a tiny Scoteinus last night & knocked down a Rhinolophus with a stick. Roy brought a grass Melomys & Van another. I had luck: took our first Dasycercinus, a young male, in a double steel set placed at the base of one of the few surviving fire-charred large old savanna trees at the base of which is a goanna hole.

Sat. July 17 Last night we went out early, taking along our lights, to a dry creek a mile west. At dusk we shot three Taphozous flaviventris. About 8:30 George Nankervis came through from Werlock bringing a fine male wallaroo shot at the west foot of Sir William Thompson Range (a sore rise in the land dividing the Batavia & Pascoe drainage systems from each other.

The Taphozous are white beneath becoming slightly dusky posteriorly - not yellow. There is a throat pouch in both sexes (everyone tonight). All paired diverticula - tiny sacs 1/4 inch long, beneath the skin, open into the base of each pouch on either side of the median line. Those of the ♀ are much smaller than those of the ♂.

The wallaroo weighed 93 lbs. Its is considerably worn, its ears not fully in fleece.

A plan was mooted to let Van go ahead tomorrow to Wenlock, thus gaining several collecting days there. He will go with Nankervis, who returns there tomorrow.

Sun. Jly 18. Van, with Morton, got away for Wenlock just after dinner. They should be there before dark. Traps: 1 layer Melomys and the dingo trap yielded another native cat. Our conveyance for Iron Range did not come. It is due tomorrow, however. Picked up most traps — all the less productive parts of the line. In I. R. we expect to reorganise for the Coen trip, leaving ourselves for Wenlock next Thursday.

Mon. Jly 19. The Main Roads driver, George Moon, arrived at noon. We reached Iron Range, over rather slippery roads in the scrub section, at about 3 pm. Unpacked & settled in. Started sorting cargo. A rum party, which I avoided, got started in the evening.

Tues. Jly 20. Introduced Roy to a single-shot gun. Gave him 12 steel traps baited with bacon. Sorting baggage all day.

Wed. Jly 21. Small line of 28 steel traps at MH 3ha in rain forest, gave 4 mammals numbered provisionally: -

1. Antechinus ♂ 265 - 124 - 24 - 13 Rain forest
2. Melomys ♀ ±275 ±140 - 27 - 14 "
3. Rattus ♂ 318 - 167 - 34 - 19 "
4. Uromys ♂ 627 - 345 - 63 - 30 "

The plane failed to arrive. Roy found a porcupine in open forest.

5. Tachyglossus Open forest

Thur. Jly 22. In traps: -

6. Tachyglossus Rain forest.
7. Rattus ♂ 330 - 170 - 36 - 20 "
8. Hydromys ♂ 555 - 375 - 63 - 16 " (Gordon Creek).

The porcupine (#6) had set off my last steel trap in the dense rain forest without getting caught, had become scared (?) and burrowed down close beside the trap, leaving only his dorsal spines visible.

Mammals expected at Warlock.

		Archer River	Archer River
Ornithorhynchus ???			
Tachyglossus	✓		
Sminthopsis ?			
Satanellus	✓		
Isoodon	not obtained		
Acrobates ??			
Dactylopsila ??			
Trichosurus	✓		
Petaurus breviceps	✓	✓	
Pseudocheirus ???			
Aepypymnus ???			
Lagorchestes ???			
Petrogale	not searched		
Thylogale ??			
Petrumodon gilesi ?	✓		
Macropus giganteus	✓		
" reginae	✓ ?		
" rufus	✓ ?		
Hydromys ?	✓	✓	
Rattus culmorum ?			
Leggadina ???	✓		
Mesembriomys			
Conilurus ??			
Notomys ??			
Melomys (gracs) ??	✓	✓	
Uromys ???			
Pteropus poliocephalus	✓		
" scapulatus	✓	✓	
Dobsonia ?			
Nyctinomus ???			
Syconycteris ??			
Odontonycteris ??			
Rhinolophus	✓		
Rhinonycteris ??			
Hipposideros			
"			
"			
Macroderma ??			
Nyctophilus ??			
Pipistrellus ??			
Chalinolobus ??			

Myotis ??			
Eptesicus ??			
Scotemanes			✓
Scotorexus ??			
Miniopterus ??			
Tophozous australis ?	✓		
" ?			
Nycticeius ??			
Chaerephon ??			
Taphozous	✓		✓

Fri. Jly 23. Word came that our transport to Warlock (Hugh Disher) is stalled with broken steering column at Coen. His brother Norman will drive down today for us.

Van phoned in p.m. (1 o'clock), describing Warlock & his situation.

Norman Disher arrived with his truck at 11 p.m.

Sat. Jly 24. We arose at 4.30 & left just as day broke. Up to Tozer Camp by 7.30. Brown's Creek 9.30 where loaded remains of cargo. Reach R. Pascoe 10 am. Tea. Pascoe a much better-looking locality than was Brown's Creek. Reached top of Sir Wm Thompson Range at 12.30 after climb through broken granite rugy country. On SW side descent very slight, with many stretches of sandy road to Warlock & the Batavia R. Entire trip through "open forest". No fresh waters seen. Van says because we passed there at midday. He went through in later p.m. & saw numerous kangaroos & wallabies.

At Warlock Van has already secured males of the three big kangaroos: the grey, the red (?) & the wallaroo. But as yet no rock wallabies. He also has Pteropus scapulatus, females only, Pt. gouldii, Taphozous australis, and Rhinolophus, the last two from mine tunnels.

We were given a great welcome at Warlock.

Sun-Tues 25-27 Jly Extremely busy. Night hunting 5 + m. nights. working W. nights. Down mine W. afternoons.

Wed. At night a farewell party given for our group by Mr + Mrs Jos. Disher.

Thur. Jly 29. Left Warlock at 12.30 noon - arrived Archer River at dusk. Just time to get a few traps out. Only 6 kangaroos seen in 35 miles. Two were feeding on green grass sprouts that follow burning. Archer River still running, but fairly low. Runs through pegmatitic granites with NW-SE jointing.

Mammals expected in Cobra area.

Ornithorhynchus				Rattus villosissimus	o	
Tachyglossus				Leggadina	o	
Antechinus	R		✓	Pseudomys	o	
Planigale		o		Thetomys	o	
Sminthopsis		o	✓	Mesembriomys	o	
"				Zyzomys	o	
Satanellus		o	✓	Conilurus	o	
Dasyurus	R			Notomys	o	
Isoodon		o	✓	Melomys	R	✓
Echimypera				" (grass)	o	✓
Perameles	R			Uromys (very large)	R R o	✓✓
Acrobates		o	✓(QM.)	Pteropus scapulatus	o	✓
Petaurus breviceps		o	✓	"		
" australis		o		"		
Setonix balei	R			Dasycercus		✓
Pseudocheirus peregrinus	R	o	✓	Nyctinomus		seen
"	R			Sycoryctes		
"	R			Odontorycteris		
"	R			Rhinolophus	R o	✓✓
Trichosurus		o	✓	Rhinorycteris		
Phalanger maculatus	R		✓	Hipposideros diadema		
" orientalis	R		✓	" semoni	R o	✓✓
Dactylopsila	R		✓	" albanensis		
Eudromicia	R			" cervinus		
Hypsiprymnodon	R			Macroderma		
Cheiromeles				Nyctophilus	R	✓
Aepyprymnus		o		"		
Saproctesia				Pipistrellus		
Dendrolagus bennettianus	R			Chalinolobus		
Petrogale		o(s)		"		
Thylogale stigmatica	R			Myotis		
Potemnodon dorsalis		o		Eptesicus		
" parryi		o		Scotomanes		
Macropus giganteus		o		"		
" rufus		o		Miniopterus		
" wallabies		o	✓	Kerivoula		
Hydromys			✓	Tadarida australis	o	✓
Rattus leucopus	R			"		
" coratus	R		✓	Nyctinomus		
" culmorum		o	✓	Chaerephon		

Fri July 30. Two grass melomys. Boston made tour with rifle: saw nothing. Last night Van shot a young Johnson Crocodile. Few bats flying about. Country badly burnt; seems to contain little or no game.

At night three of us went jacking. I saw but failed to get a Petaurus breviceps. Country rock porphyritic granite, the felspars up to 1½ inches in lgth.

Sat. July 31 One grass melomys, one Scoteinus shot by Van previous evening over sand bar, one Hydromys.

Sun. Aug 1. Left the Archer at 10. Reached Coen (The Bend, 1 mile out) & camped on the Coen River, a pretty stream flowing from the north, at 4.30 pm. Road rough & mostly along the telegraph line. Some bad sandy creek crossings - particularly Deep Creek. Van set a few traps (a Hydromys caught). All but myself (tired & sleepy) drove in to Coen in the evening.

Mon. Aug 2. Traps

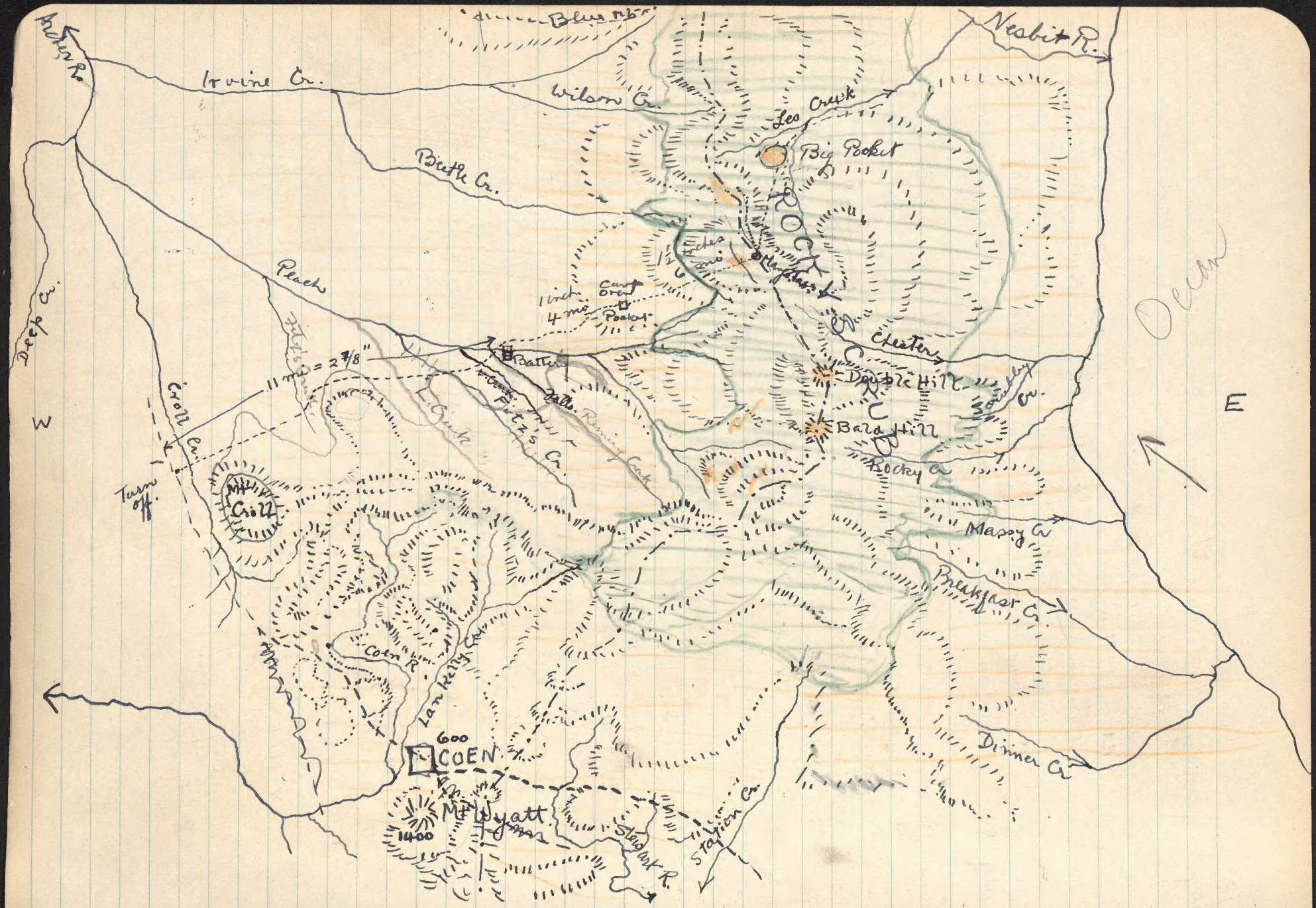
Van:	30 mouse	20 rat		- steel
Roy:	"	25 "		"
Tate:	"	20	10 "	

Went to Coen in a. m. Met Mrs Armbrust who has the most ornamental place in Coen, including quite a nice garden. Also met Herb Thompson, aged 72, who knows a little about Rocky Scrub. Met Cecil Wilson, brother of Luke Wilson of Iverlock. Cecil in the trucking business & will probably drive us out on the Mt Croll-Rocky Scrub road.

The Coen horse races come on Friday & Saturday. Everything at a standstill till they are over. Bush people from all over the peninsula are gathering for the event.

Also met Mr Walter Rose who runs the telegraph office & acts as reporter for the "North Queensland Register".

Set the above-listed traps in p. m. We are very comfortably ensconced in the 4-room cottage of Mr Thompson's son-in-law.


Blue Mts
Nesbit R.
Irvine Cr.
Wilson Cr.
Leo Creek
Big Pocket
Beetle Cr.
Peach
Deep Cr.
Cheaters
Double Hill
Bard Hill
Rocky Cr
Massy Cr
Breakfast Cr
Dinner Cr
Ocean
E
W
Croll Cr.
Turn off
Mt Croll
Fitzs Cr.
Coen R
Lan Kelly Cr
600
COEN
Mt Dyatt
1400
Sleepy R.
Station Cr.
1 inch = 4 mi
Camp Creek
Pocket
11 mi = 2 3/8"

Thur. Aug 5. Notes from Mr Steppard who moved battery from Leo Creek to Peach River :-

1. From turnoff of Coen-Weipa Rd to Battery site on Peach R. 11 mi.
2. " Battery on Peach to Camp Oven Pocket (depending on route) 4-5 "
3. " " " " edge of big scrub (~~mango tree~~) 9 "
4. " Camp Oven Pocket to Mango tree (crest of range) 6 "
5. " Mango tree to both Leo camps ± 1½ "
6. Camp Oven Pocket to edge of big scrub 5 "
7. Mango tree from edge of big scrub 3 "

(See sketch map opposite).

Coen a very poor place for mammals. Heavily pastured & very dry. Working roaring for bats in mine tunnels. Considerable trouble to get information on Rocky Scrub. The above, given by Steppard summarises the delving of several days of inquiry. Today & tomorrow are the days of the annual Coen horse races. We are going tomorrow to put in an appearance. Expect get away early next week.

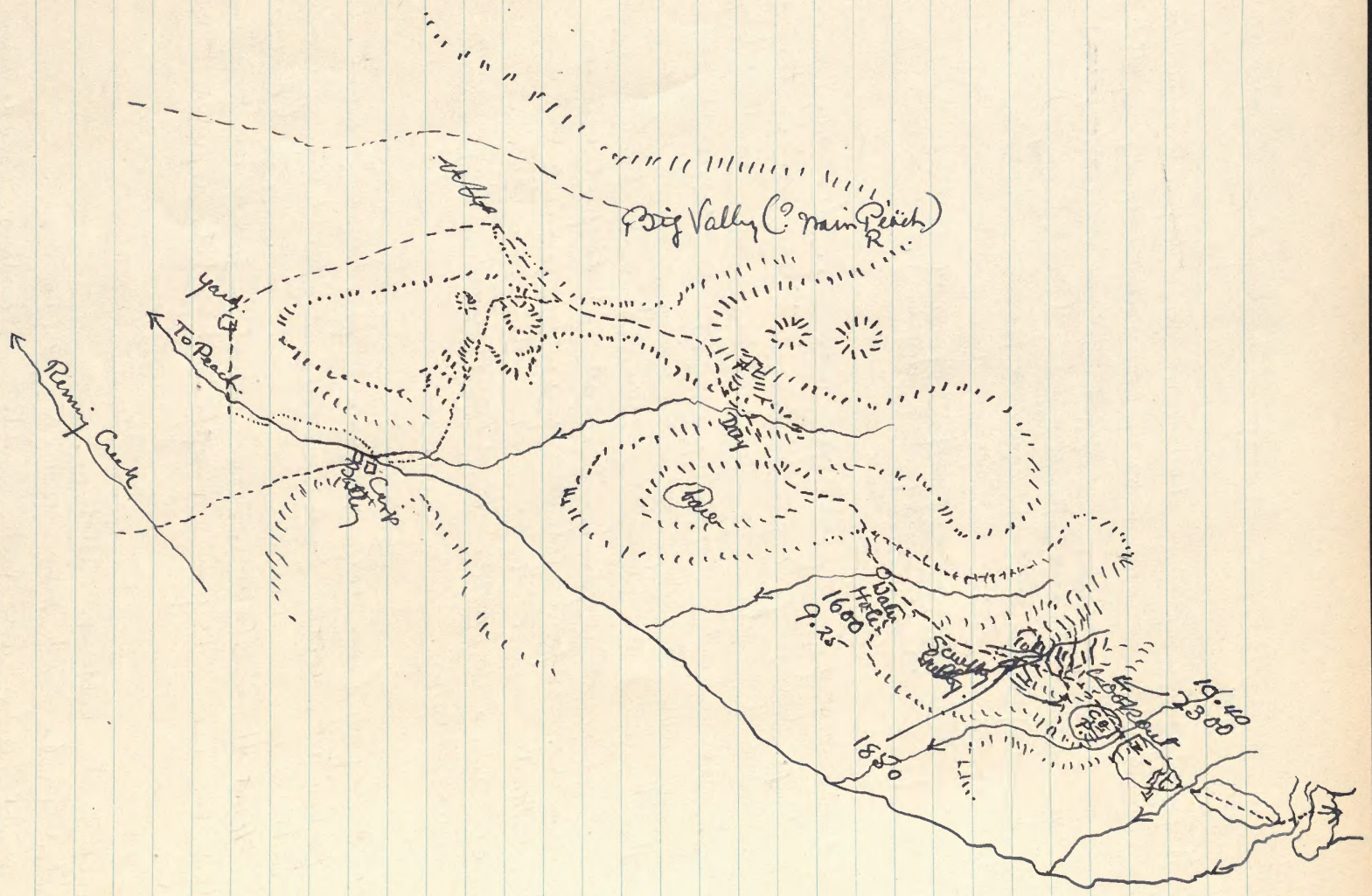
Altitude abt 600 feet at Coen town. Mt Wyatt rises to 1400 + the main range appears to be much higher.

Fri. Aug. 6. Second day of Coen races. Van, Geoff, Don & I went. Colorful but primitive, with bush horses, a sprinkling of whites & quite a lot of blacks in attendance. Dotty in tops.

Forest Home Station, near Georgetown, 40 miles from Gilbert R., ~~near~~ beyond Forsyth - Wombats reported to be there.

Sat. Aug 7- Night hunting with Mr. Fisher.
Visited Pride Peak Mine & got 5 Topbozous.
The night hunting gave good results - Possums, Pseudochirus peregrinus, a bandicoot & a native cat.

Sun Aug 8. Work all day on night's catch. Packing for start to Rocky Scrub next day.


Big Valley (? main Peick R.)
Yard
To Peck
Plenni Creek
Camp
Dam
Tower
Utah Hill
1600
9.25
South Valley
Bridge
19.40
23.00
1880

Mon. Aug. 9. Due to disability of cook we made late start, truck leaving at 2.30 pm. Went out on Coen-Wenlock Rd thru 8-mi paddock, fate to abt 9 miles. We had Steffanoff's "boy". He searched out crossing of Croll River - very sandy, stone dry, & needed corduroying. Track very indistinct & hard to find. However it kept up close to the southern hills, heading most of the lesser gullies. Fitz's Creek, of the headwaters of which are many deep-cleft ravines & a curious pinnacle rock, was bone dry. We pushed on thru the night, cutting road, a more or less road procedure, till we finally, at 8 ~~a.m~~ abouts, found water in L. Creek.

Tue. Aug. 10. Left early. Fairly easy progress. At about 9 crossed a saddle behind a n.w.-projecting spur, then the boy got us off the road for half a mile but we checked back to it. In morning the day the big spur was in sight, at the n.w. foot of which ran the Peach River & was formerly located old Steffanoff's battery (for crushing rock-ores). We crossed a running branch of the Peach at about 11.30 - then on over a number of dry gullies as we neared the big spur. Arrival at the Peach was almost unexpected - at about 2.30 pm.

The pack & saddle horses (2 stor) arrived abt 4 pm. Len + I will ride up the hill tomorrow.

We saw one flying fox - alone - then Van saw & shot a second. They were P. scapulatus.

The road to the Peach was very poor. There was much down-timber & much new regrowth - all of which had to be removed from the road before the truck could go on. The gully crossings often required much work.

The peach flows thru a strip of flood forest (scrub) at Steffanoff's battery. The altitude appears from my barometer to be only 100 feet higher than that at Coen - or 700-800 feet.

Got out a few traps.

Revised map of Proct. Rocky Arc.

Wed. Aug. 11

Brass & I with Shepherd's new Alf set out on horseback for the highlands. We were taken down the Peach a way to the old Armbrust "yard" (cattle). Then east up the s. side of a broad valley, s.e. up a slight ridge to a scrubby ridge running E-W which separates the "broadvally" from our valley (Shepherd's Battery Silt). This ridge projects westward from Double Hill. Turned SE away from Double Hill crossed dry gully - grass thru ridges, & down to Water Hole (1600-1725). Due S. lay Bald Hill. Left B. H. on our right & away SE to Lookout (2300-2400). Then down thru Camp Oven Pocket, across Luncheon Creek (1850-1900), up Peach Pocket.

Turned east - thru series of Pockets & scrub creek crossings. The pockets narrow, their length e-w main. Turned back at 12.20. Renewed blazes; missed the trail at scrubby ridge & headed straight from camp - S by w. Arrd. 5 pm.

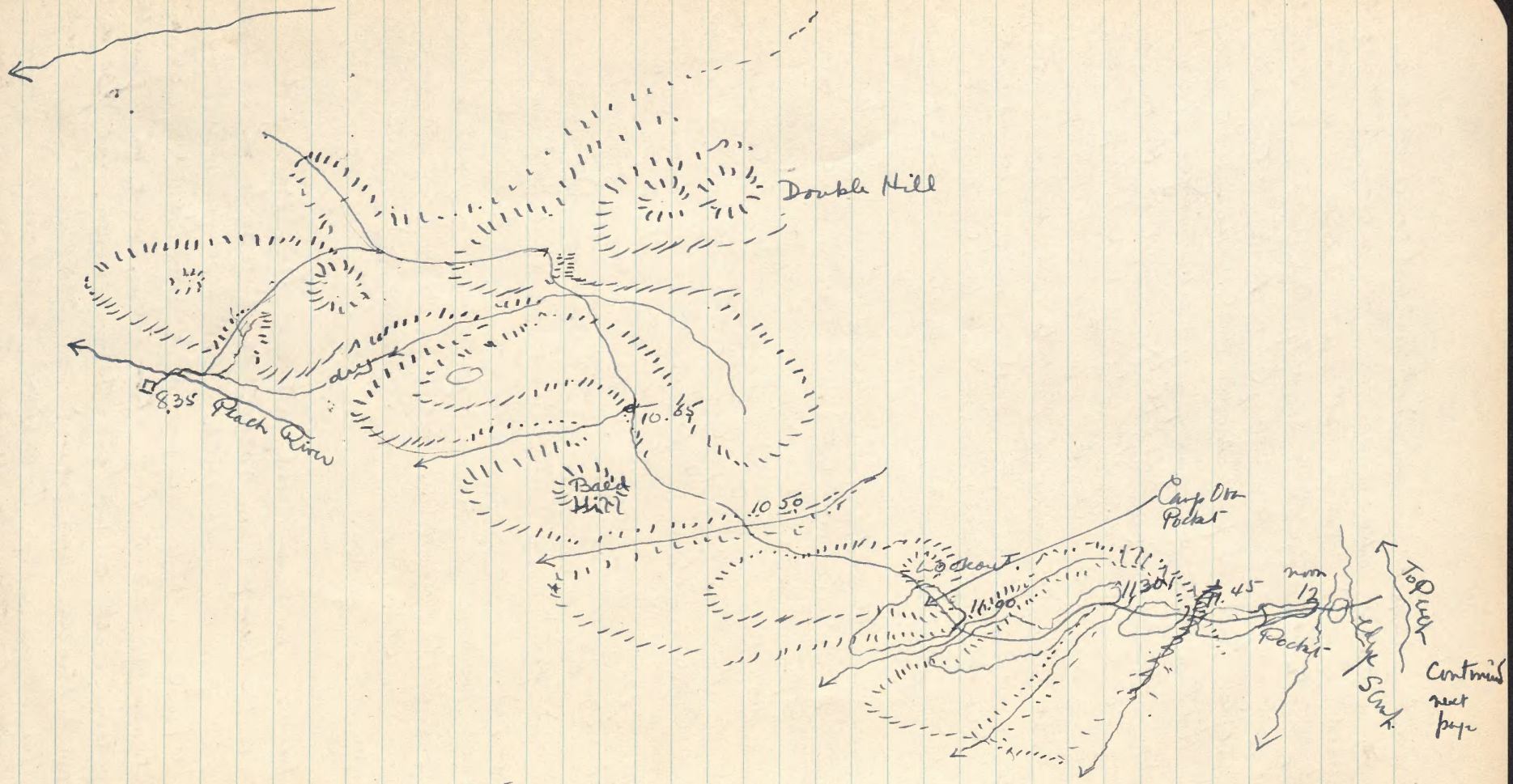
Thur. Aug. 12

Don, Willie & I with 3 pack horses & their driver Alf left camp at 9 a.m. (1 hour late). Crossed Peach at better place than y'day. Open track up scrubby Ridge (about 10.30 a.m. (alt 1200-1400 ft); reached Water Hole, sw of Double Hill at 10.50; Camp Oven Pocket creek at 12.30. Arrived at Creek Detour 1 pm. Lost ½ hour because of bogged horse. Reached "farthest point" of yesterday at 3 pm. Entered big scrub few minutes later. Crossed stream (Alf says Peach Drainage) at 3.30. Reached first tiny watercourse of Nesbit R. at 4 pm & camped.

Sent Alf back with horses to put them on good grass in one of the pockets. He is to return early tomorrow morning. Present alt.: (my aneroid, 2350 ft) true alt, probably about 2000.

Fri Aug. 13

Several leeches. No rain. Alf returned from grazing the horses on Peach - Camp Oven Pocket about 7.30 a.m. We left at 8 a.m. Camp was well within the beginning of the "big scrub". The trail, which required a good deal of clearing & some detours on acct of fallen trees, went in a generally easterly direction, with an up-and-down course. At 9.30 a second Nesbit stream was crossed at 2150 feet, and at 11 o'clock two others close together at 2100 ft. Then road veered to NE & at 11.30 the "mango tree" (several of them), where much mining activity has taken place,



To edge main scrub.

(11.30 am).
was reached, – the altitude 2275. It marks a fork in the rd.
Shortly after this the trail (right hand branch) began definitely to descend – its course generally N.E. The last half mile was quite steep & led into the ravine of the Claudie Creek & Lakland's Battery Site, our destination. It was then 12-30-1 pm. The final altitude of my barometer 1800 feet.
Discounting the over-registering, I gave the camp site an altitude of 1500 feet.
The Site was once considerably cleared. Banana mango & lime trees are scattered about. There is much regrowth. The Claudie is a steeply running creek filled with granite boulders. There is one tiny clearing a few yards across.
I made camp – (Don Vernon, "Willie", + I) – & put out 60 rat traps. Tacking up the trail that night gave nothing. Later, washing hands, saw eyes of native cat in distance.

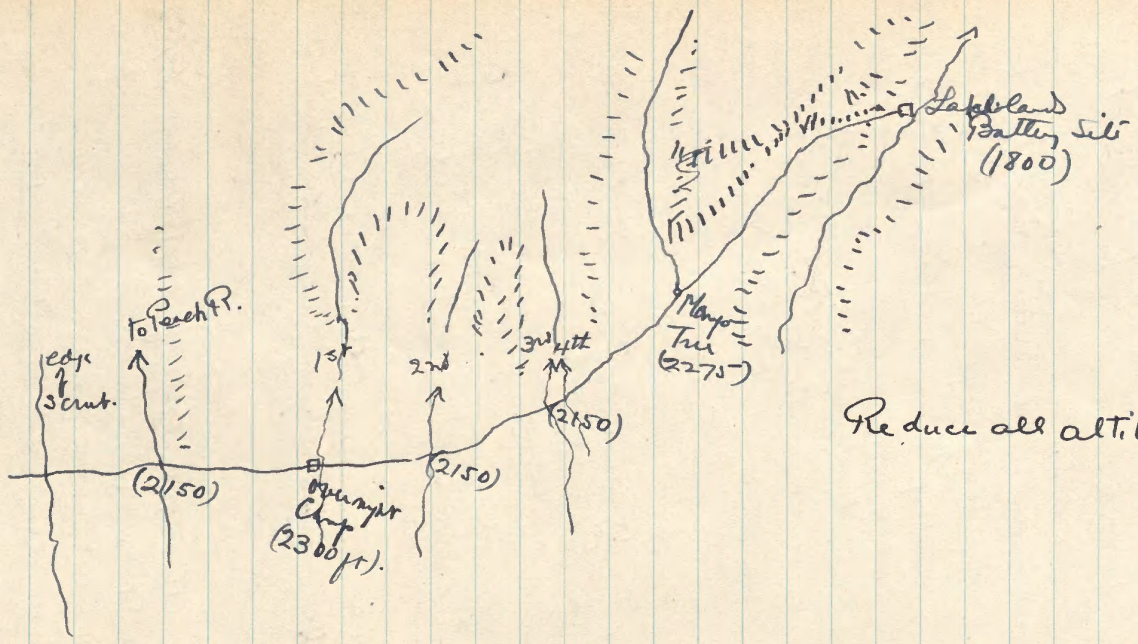
Sat. Aug. 14. In traps 4 Antechinus, 6 Rattus.
Van & Geoff with Ray arrived at 1.15. Brought extra supplies. Got out a few more traps. Van went jacking for few minutes

Sun. Aug 15 Temp. 6.30 am. 61. In traps Antechinus, Rattus + a very large Melomys.
Len arrived at 1.30 with more supplies.
Van + I jacking walked back in dusk to Bango Tree, looking for Hypsiprymnodon. Later Van shot a Melomys and a Dactylopsila. Saw bats, including Nyctimene.

Mon. Aug. 16. Traps produced, besides the usual, one Uromys & one Hydromys. Netted one Hipposideros semoni at night in trail at 1800 feet. Saw Nyctimene.

Tu. Aug 17 Traps: 1 Antechinus, 6 Rattus; a Melomys set the eve. before. Also trapped 2 possums. Temp. 59 at 6.30.
Traps: 128 rat traps, 61 steel traps.
Bat net: 1 Nyctophilus, 2 Rhinolophus, 1 Hipposideros semoni.

Wed. Aug 18. Temp., 6.30 a.m. 58°. Traps: nothing new. At night Van + I netted 2 more, Rhinolophus + 2 more Hipposideros



Reduce all altitudes by 300 ft.

Thur.
Aug. 19.
Temp.
6 30
a.m.
58°

The day for Van & me to move to the top of the range to test the few savanna pockets. Picked up traps & moved to Camp Open Pocket, also 1500 feet, but on the western slope. The pack horses came late - not till 2.30. So we reached C. O. P. much later than we anticipated - just before dark. Full moon. Set out 10 traps each by moonlight. Then thoroughly tested C. O. P. with hunting lights but no results.

Fri
Aug. 20.

Temp. 56° - Very chilly all night. Heavy condensation on all objects. Sky clear. 1 Rattus culmorum in grass & 1 R. coratus in scrub. Established camp.

Temp.
6 30 am
56°.

A picturesque place with steep grassy slopes sloping to narrowly scrub-lined creek, tributary of the Peach River. Our camp is cut just into the edge of the scrub so that we look into the trees on one side and out on the pastlands on the other. Our objectives are two: to make a quick survey of the mammals generally; and to get more specimens of the Echiny pea found by Darlington in 1932.

In from set traps:

Totals:-	Steel	Rat.	
Van.	26	30	
Roy	15	15	
Geo.	20	40	
	61	85	= 146.

Aneroid 5 pm 1975 ft.

Sat.
Aug. 21.
Temp.
6.30 a.m.
60°

Altitude: 7.30 am. 1900 ft; 11. a.m. 1880 ft; 2 pm. 1950 ft; 5 pm 1975 ft
9.00 pm. 1925

Traps: In grass: 1 Grass Rat (culmorum); 2 Smithopsis
" scrub: 3 Antechinus; 1 Rattus coratus.

	Left Aug 19		Arr Aug 13.		Arr Aug 12	Round Trip Aug 11.	
Nesbit R Camp.	3.15 ↓	1825 ft.	12.30	1800 ft.			
Mango Trees.	4.00	2350	11.30	2275 "			
Two Creeks.	5.00	2275	11.00	2100			
~~First Scrub~~ Creek	5.15	2225	9.30	2150			
Camp Creek	5.20	2450	8.00 ↑ Left Camp.		4 pm. (camp)		
First Scrub Creek.	5.40	2450					
~~Last Open Area~~	5.45					1220 (turned back).	
Savanna + Scrub.	5.50					"JA" Tree 11.50.	2350
Dry Creek Scrub.	5.55						
"Bog Scrub."	6.05				1 pm		
Dry Scrub.	6.15						
Camp Over Pocket Ck.	6.35				12.30 pm	11.0 am	1850 ft. (1900 at 1.25 pm)
H.R. N. of C.O.P.						10.40	2300 ft. (2400 " 2 pm)
Scrubby Gully						9.50	1850 ft.
Peach Water Hole					10.50	9.25	1600 ft. (1725 at 2.30)
New Rd to Ridge -					Ridge 10.00 1200 ft. 10.30 to 1400 ft.		
Crossing Pometeam					9.20		
~~Bleffard~~ Bailey Sib (Camp).					Left ↑ 9.00 a.m.	6 am ↑	975 ft (1000 at 5 pm)

Sun
Aug 22
Temp. 6.30 a.m. 69°.

Overcast. A much warmer night. – Clear & Sunny thru day. Aneroid 6.30 a.m. 1930 ft.; 3.30 p.m. 1960 ft.

A good catch of 15 specimens – Rattus, Melomys, Antechinus, Sminthopsis.

Geoff & Bruce passed thru at 4 p.m. on their way down from the upper Nesbit camp to Peach River (Shepherd's Battery Site). The animals come back for us tomorrow.

Van & Peach shot a bat this evening –

Mon
Aug 23.
Temp 6.30 am
65°.

Two grass Melomys. Horses arrived about 9.30 – 10. Broke camp & moved out about 11. Down at Shepherd's Battery Site at 1.30.

Don Vernon had taken several brown cuscuses and a ♂ Acrobates, the last in a rat trap. (It's underparts white to the base of the hairs)

HB (longest way)	= 80	mm.
Tail	82	"
H foot (s.u.)	14	"
Ear (from notch)	12	"

The ♀ was taken at the foot of a very large tree near the edge of the river in rain (gallery) forest about 150 yards from the nearest open forest.

Jacking that night took 3 Pteropus poliocephalus ?, 1 P. conspicillatus ?, and two Dobsonia. Also two Phalanger orientalis.

~~Thursday~~
Aug 24.

Busy all morning skinning. No truck had arrived at 2.15 p.m. That night two Pteropus.

Wed.
Aug. 25

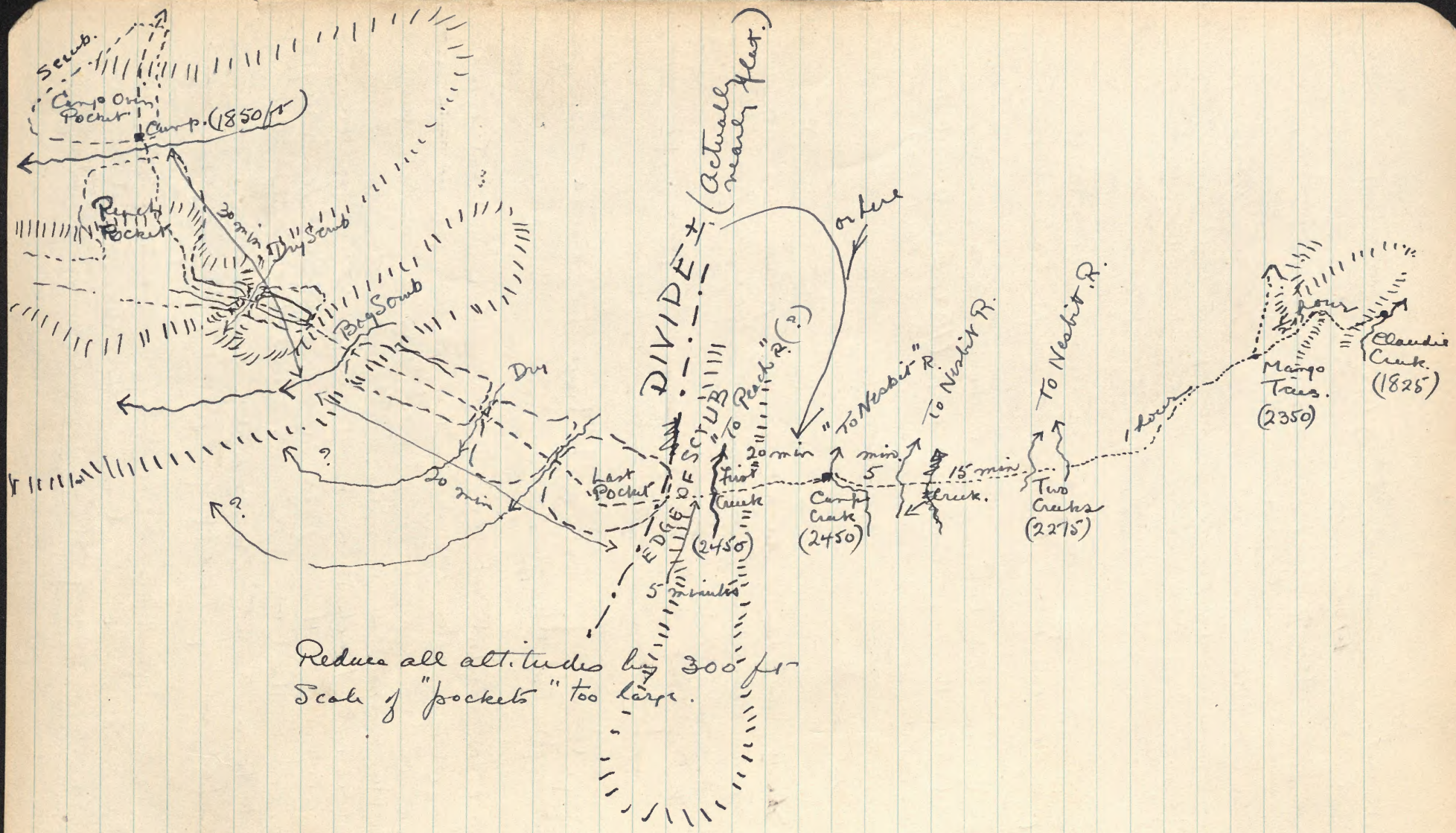
Geoff & Len started at dawn to walk out & find out what was wrong. After 10 miles they passed the ~~10 mile mark~~ truck on its way in to get us. They decided to keep on to the air port 8 18 miles.

We left Peach River in the truck at 1.30 p.m. & reached the air port at 4. There we picked up Len & Geoff & reached the Coen Bend at about 5 o'clock. I walked in to town to get the mail.

Spent evening wrapping & packing dry specimens.

Thur
Aug 26

Packing till 11 a.m. Then by truck out to Rothwell Mine 5 miles SE of Coen, where took 40 bats – 31 Rhinolophus & 9 Hipposideros cervinus. The former



Reduce all altitudes by 300 ft
Scale of "pockets" too large.

is apparently topotypical of Allen's R. m. ignifer, which red phase of R. megaphyllus came from Coen. All but one grey & a few intermediates were distinctly red.

Spent rest of evening picking the bats & doing the remaining packing.

Fri. Aug 27. Got away from The Bend at 9 & from Coen at 10. fairly rough road but long stretches of sand – all "open forest". Reached Ebbagoola, our overnight place, at 3.45 – 28 miles from Coen.

It was once a mining center – and there are many ruins of houses about. The water supply is from a well & it is stored in a 2000 gal. tank, now 2/3 empty. Alt. about 700 ft.

Got about 50 traps set out.

Went jacking up the telegraph line – a Trichosurus. In a.m. traps gave 1 Melomys.

Sat. Aug. 28. Left camp at 8 a.m. Carried Melomys & Trichosurus injected. Skinned in p.m. – both in perfect condition.

R. Solomon & Burns – station. 700.

700 Yarrida – left passage.

700 Bell Spion Kop – Burns sent out to Swatterham.

Bamboo Stat.

Crest of the range. 950 ft.

Down range to dinner camp.

Musgrave Tel. Sta. 3.45 pm. 400/500 ft.

Set out traps (Roy).

Sun. Aug. 29 Left Musgrave at 8 a.m. Road mainly along telegraph line & speed rather better – much sand – enormous numbers of ant hills – cauliflower type, wilkes' bats, magnetic, etc.

Lost ½ hour testing rock pile for rock wallabies – plenty of wallaroo sign but none of r. w. Crossed the Dorehead a bit after 11 a.m. Arrived at ~~Hanna~~ Hann River about 1 pm, – about 40 miles south of Musgrave.

Skinned morning catch – 2 Rattus, 1 Hydromys.

Van under weather.

Roy put out 25 rat traps.

Mammals expected to exist in the Cooktown Area

Ornithorhynchus	(REPORTED)	Hydromys	✓	Kerivoula		16
Tachyglossus	✓	Rattus conatus	✓	Miniopterus		17
Antechinus	✓	" culmorum	✓	" australis	✓	18
Planigale ?		Leggadina		Taphozous	(seen at Black Mtn.)	19
Sminthopsis		Pseudomys		"		20
"		Thetomys		Nyctinomus mogollensis	✓	21
Satanellus	✓	Mesembriomys		Chaerephon.		22
Dasyuropsis	(REPORTED)	Zyzomys ??				
"		Conilurus ?				
Isoodon macrourus	(REPORTED)	Notomys ?				
" peninsulae ?		Melomys (scrub)	✓			
Echimypera ?		" (grass)	✓			
Perameles	✓	"				
Acrobates	(REPORTED)	Uromys	✓			
Petaurus breviceps	✓	Pteropus conspicillatus			1	
" australis		" poliocephalus			2	
Schoinobates ?		" scapulatus	✓		3	
Trichosurus	✓	Dobsonia			4	
Phalanger maculatus		Nyctimene	(seen)		5	
" orientalis		"			6	
Dactylopsila	✓	Syconycteris			7	
Endromicia		Odontonycteris ??	✓		8	
Pseudocheirus peregrinus		Rhinonycteris			1	
" archeri		Rhinolophus	✓		2	
" lemarsidus		Hipposideros semoni	✓		3	
" herbertensis		" diadema			4	
Hypsiprymnodon	✓	" ceroinus			5	
Bettongia ?		" albanensis			6	
Aepyprymnus	(REPORTED)	Macroderma			7	
Lagorchestes ?		Nycteophilus bifax?	✓		8	
Dendrolagus bennettianus	✓	"				
Petrogale	✓	Pipistrellus			9	
Thylogale	✓	Scotenius leys	✓		10	
Protemnodon agilis	✓	" sordidus	✓		11	
" parryi	(REPORTED)	Chalinolobus			12	
Macropus canguru	✓	"			13	
" rufus		Myotis			14	
" robustus	(SEEN)	"				
		Eptesicus			15	

Mon Aug 30. Left Hann River 8. a.m. Previous afternoon shot specimens out of camp of flying foxes of the species P. scapulatus. The first camp of this species we have come across. It is scattered along the very thin fringe of river-scrub — usually about one tree thick for an indetermined distance west of the crossing. Single individuals were also plentiful. All five shot were males. The group immediately close by may have mocked fifty bats. (See also Sept. 18)

At bright jacking, they were all through the woods feeding on the tea flowers & (?) bloodwoods. They become fewer as the river was left behind.

Crossed the River (dry) at 11.15 Reached Fairview about 12.15 — Crossed the Little Laura River & 20 mins. later the Big Laura & Blocked Laura at 1.30 pm

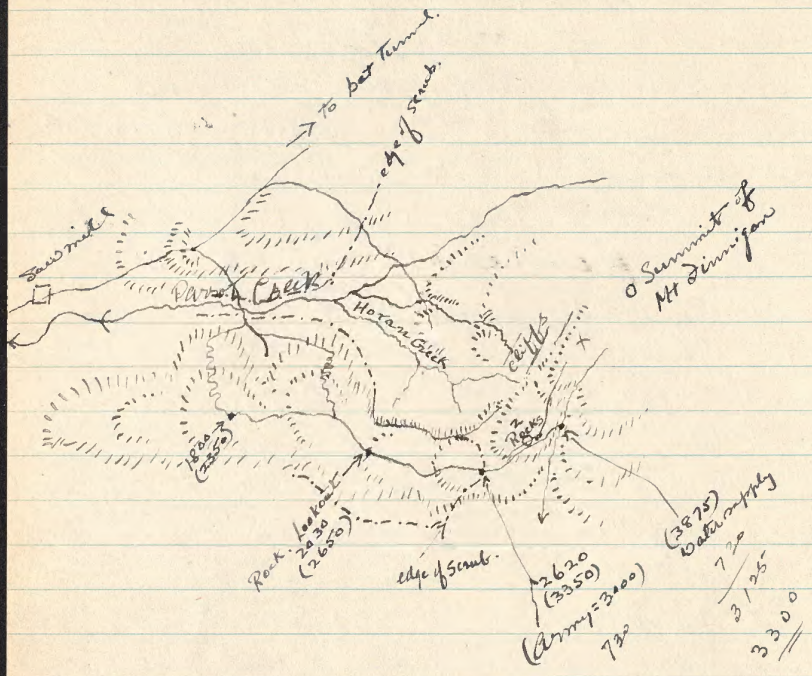
Bunked in the almost abandoned railway station. Laura - a town of few stocks - The "hotel" has a very few rooms. Rhinolophus hides under the beds, hanging from the bed springs. Laura very sandy, dusty & excessively dry. Water is carted from some miles away. Police represented by Constable Vincent Booth. Hotel run by Mrs I. R. Solomon.

Skinned 5 flying foxes & 1 Rhinolophus.

Hugh & Vincent took us to water hole in river where Johnson Croc. said to be plentiful. Saw a few eyes of young crocs — but far away. No mammals.

Tues. Aug. 31. Slept in railroad station. Railmotor due at 11.30; leaves for Cooktown at 1. Photographed Laura River & old wreck of r.r. bridge. Met Jack Dwyer, owner of good collection of Australian birds' eggs. Well catalogued as well, apparently. Reached Cooktown 4.30 pm. Stayed in hotel. Went up to see Dr. Kesteven at the hospital.

Wed. Sep. 1. Reorganized equipment. Packed mammal skins.



Climb done on
Fri Sep. 3. 1948

Sat. Sep. 4. Examine big scrub at mouth of Horan Creek - more traps.
Sun " 5 Ride out to bat tunnel.
Mon " 6

Local Camps:- Horan Creek 5-6 days.
Dimigan 2-3 nights.
Base Camp at Sawmill } fill in.

Mon. Sep. 13. Go out to Helenvale - spend 4-5 days - traps & packing in virgin scrub.
Fri Sep. 18. Go to Black Mtn - Test 2 nights.
Sun Sep 20 Go to Greenhill - try two days for wallabies, &c.
Tue. Sep. 22 Return Cooktown.
Wed Sep 23. Go to Alderbury (29th mile) on Mr Gladmore's gas truck for rock-wallabies, &c.

Fri Sep 27 Be back in Cooktown, possibly spending one night in silver gum country for possums, ringtails, squirrels.

Thur. Sep. 2. Left Corkhtown about 11 a.m. Lunch at Mrs Watkins at Helenvale about 1.30 pm. Reached Shipton's Flats at about 4.30 pm.

Much of the way is through open forest – Past Black Mountain, a pile of granite boulders almost wholly blackened by lichen or fungus. River scrub along the creeks – Wallaby Creek &c.

Shipton's Flats is a disused sawmill & lumbering camp. The builds, some of which we occupy, in good condition.

Fri Sep. 3. Cold. 55°. In traps: grassy clearing 3 pears Melomys; in little gulley scrub behind house, 2 scrub Rattus conatus.

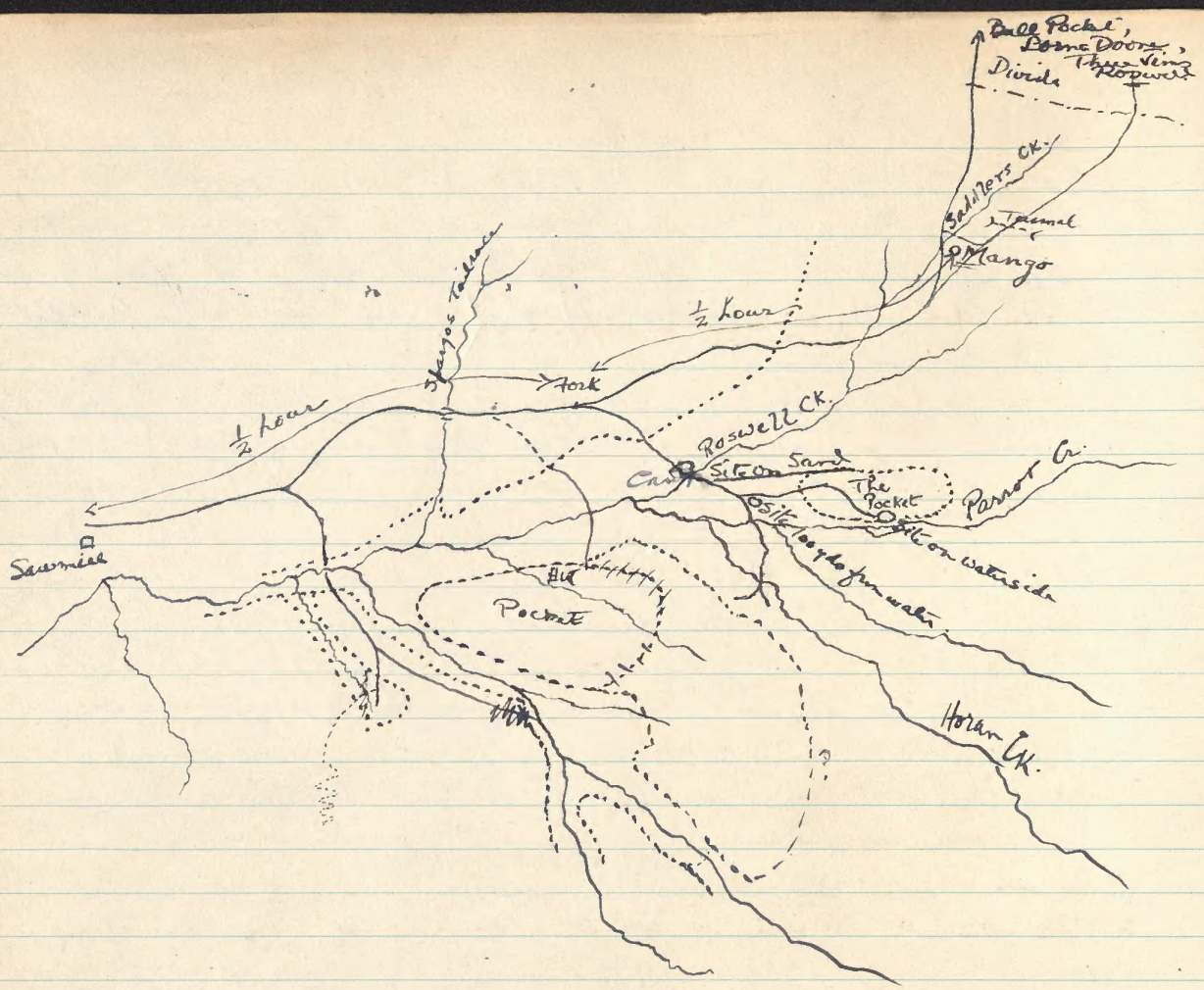
Len & I left at 9 a.m. to explore Mt Dimigen. We had as guidance a letter written by an army man who had done Trig. station work on top. From the sawmill we went east up over a rather steep ridge & down to Parrot Creek. We crossed the creek in good scrub then turned up grassy, she-oak-covered knoll, going generally south. The crest of the S.east-N.west ridge up which we then climbed was 1800 by Len, 2300 by me. Turned SE ~~up~~ along the ever-ascending crest – all open forest & mainly "oaks". Passed top of spur (which we descended in the pm & found too steep). Reached exposed rock "look-out" 2030 (2650) ft. Continued upward closer to mountain to "edge of scrub, 2620 (3350) feet (Army gave ± 3000 ft). ~~Took~~

Track inside scrub more confused & difficult to follow than the pack tracks of Rocky Scrub. But pushing up right side of ridge just under crest, found the 2 20 ft rocks described in letter, & ~~then~~ traversing south side for 100 feet or so came to water. Not very much of it & flowing steeply down a rocky bed inclined at nearly 60°.

Returning I improved the track & met Len, who had also been searching fruitlessly for water, at "edge of scrub".

Sat. Sep. 4. Colder. 53° Traps: 1 Melomys Aneroid 1075 ft (= ± 800)

A reconnaissance walk with Van & Proctor to locate "big scrub". Land SW of Horan Creek mostly open forest. That between Horan Creek & Parrot Creek all scrub. Back in p.m. to clean track & pick camp site. Evening, sat by potential Platypus pool but saw no Platypus. Set 10 steel traps.


Bull Pocket,
Roma Doone,
Three Sisters
Roswell
Divide
Saddlers Ck.
Tunnel
Mango
½ hour
Fork
½ hour
Roswell Ck.
Site on Sand
The Pocket
Parrot Cr.
Site on waterside
Sawmill
Pocket
Horan Ck.

Temp. 57. Slight overcast. Traps. 3 Rattus.

Sun Sep. 5 Rode up with Jack Roberts to examine tunnel said to contain bats. also to see scrub roads & select a camp site in scrub. Much stinging tree, much lawyer cane.

Len, Don, Van completed preparations for trip to Mt Dimnigan.

Van shot a Nyctophilus in sawmill shed.

Mon. Sep. 6. The travelers to Mt Dimnigan got away after two false starts — due to a pack horse twice bucking off its load — at 9.30.

In traps 2 Melomys, 2 pass Rattus, 3 scrub Rattus.

At 4.30 or 5 the boy Noadie returned with the horses & a note from Len to Marie, also a ♀ tree kangaroo in a sack. It appeared that Roy & Willie, sent for water, found two up a tree, yelled for a gun (which Noadie took up to them) & shot one — the female. It was sent down at once. I injected it ready for skinning in the morning.

Repaired traps. Packed in readiness for my move to the scrub with Frostom tomorrow.

About 5 pm the horses & their driver returned from the tip camp, bringing a tree climbing kangaroo, the first for the collection and a female example of the rare Dendrolagus bennettianus. The pouch though capacious was unoccupied. The "boys" had been sent up for water & saw two up trees. They called for someone to bring a gun. Roy shot one but lost the other.

Shot another Nyctophilus in the sawmill shed.

Tu. Sep. 7. Skinning tree k., 2 rats & the Nyctophilus.

Jack Roberts came with his horses after lunch. Reach present camp on Roswell Creek (see opposite p.) at 3 pm. Established camp & set out 25 traps. Hunted twice; 6 pm to 8 and 9.30 to 10.30. Nothing seen. Wallaby heard.

Wed. Sep 8. Warm night. Traps: 2 Melomys, several Rattus. Skinning all a.m. Setting traps in pm. Morton, who hunted a.m. or pm., reported nothing seen or heard. At night went up to bat tunnel. On way down shot something — possibly possum — but couldn't find it. Shot a big tailed, narrow necked gecko with curiously enlarged tail on the road. Shot a Perameles close to camp. It squeaked a couple of times, giving me the direction. Finally I caught the faint glow of one of its eyes.

Thur. Sep. 9. (9) About 20 Rattus + Melomys. Morton shot 2 screw wallabies (Thylogale). We night nothing.

Fri. Sep. 10. Eight Melomys + Rattus. Geoff + Roy arrived at 11.40. Dan former plans to come up each morning up down at 8-9 at night. I took Roy + specimens down to sawmill in p.m. Returned at 5.30 Very windy night spoiled jacking. Geoff got a death-adder only 100 ft from camp. Went down about 8.

Sat. Sep. 11. Boys (Van, Don, Geoff, Roy) due this a.m. Len + Maria passed about 9 on way into rain forest.

Traps: 3 Melomys, Uromys, Cercartetus with 7 young attached (By log 150 feet from nearest water)

Newcomers arrived about 11.30. Van had shot a Pteropus Scapulatus. Relaitied in p.m. Let Roy + Morton go out with their guns (they found nothing!). Don shot a Nyctophilus.

Sun. Sep. 12. Today Morton, Roy, Nogie went hunting for first two things: Hypsiprymnodon and Dendrolagus. They found nothing. In the p.m., after skinning, Van + I went out far up the mtn slopes. We found nothing.

Traps: Rattus, Melomys.

Mon. Sep. 13. Shot a scrub-hen for Don. In traps: 3 Rattus, 2 Melomys. Van + I took specimens down to the main camp. Relabelled the high mtn material + wrapped pickled specimens.

Anaeroid (11.45 Sun time) = 1550. This anaeroid from 1000 feet up has consistently registered 300-400 feet too high.

Wed. Sep. 15. Packed up + left Rossville Ck. Camp in 2 relays. Van + Don had shot a Thylogale + 3 leaf-tailed lizard (geckos) the night before. That evening Van took a 5th Nyctophilus in the sawmill. Geoff had found a Tachyglossus walking across the road on the 13th.

Thur. Sep. 16. Van + I with the two boys moved out ~~to~~ to Helenvale in Jack Roberts' model A Ford in two relays. Set up a nice little camp right on the Annan River. Lunched at Mrs Watkin's Hotel.

forearms of ♂ ~~13~~ 11 P. scapularis ♂♂. not saved. (see opp page); others skinned.

135
134
137
138
135
~~144~~
135
~~142~~
145
133
132
136
134

Fri
Sep. 17
Temp. 6.30 a.m. 59°

Jacking in evening for a Dasyuroid ?pseudo.

Traps:-			
Van.	14 net	4 steel	
Roy	10 "	10 "	
Self	15 "	15	
	39	29	= 68 total.

also Van put 10 the second night in outbuilding (no results).

Catch:- 3 Rattus culmorum in grassy open country; 2 Satanellus on "open-forest" hill side.

Seen night before: boy in local village supposedly bitten by death-adder. Old fellow named Dick came to ask help. Found the lad had been taken Watkin's & they had incised the bite. No swelling developed. The lad ate a big supper & went home to bed. Was ok in a.m.

Sat.
Sep. 18.

Temp. 59°. Morton brought in 18 Pteropus scapulatus from large "camp" just above "the waterfall", 3½ miles down the river. They comprise 17 males, 2 females. He shot only twice — into two clusters. The only other Pteropus scapulatus camp we have seen was that on the Hann River (see Aug. 30). Females, which are lighter from beneath, appear not to be pregnant. One male has the glandular side areas of the mantle very pale buff. Mantle color in others varies from light orange brown to dark red brown. Testes in most were large. See pp. fo.

In afternoon Norman Watkin drove us out to the edge of a Lagoon (Beasley's Lagoon) on the road from the Wallaby Creek west to "the lake" (seen from Mt Finnigans) of King's Plains in search of Great Gray Kangaroos. He found them easily feeding at a patch of burnt grass (burnt 6 weeks earlier). He & Van shot a female with a male pouch y. and another very young male, & an adult male. Skinned till 9 or 10 o'clock.

Sun.
Sep. 19

After a very cold night we packed up & moved to Black Mountain, nearly 50 miles nearer Cooktown. Norman drove his truck through open forest to the edge of a tiny perennial stream, Bowie's Spring, which runs out from under the rock-pile which is Black Mountain. The stream dries up but its raising season had emptied into Sandy Creek.

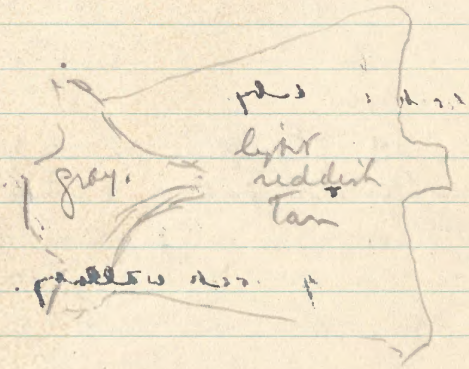
Black Mountain is a great pile of generally loose granite bowlders, blackened by lichens. From it

Firm:- E.W. Parsons, Alec Jensen } wallaby + kangaroo hunters, who worked chiefly in Greenhill - Helmvale area.

		market weight
Coast wallaby	- thousands	12 oz.
Swamp "	(very rare)	
Gray K.		1 lb.
Red Wallaroo		1½ lb.
Mtn Wallaroo		

no red Kangaroos in peninsula

Whiptail - King Plains - formerly common ½ lb.



Deep Creek runs into the Yorrambey.

Butcher Hills

Seagrem's Farm (Sidney Jensen's) 2-1 mi by bus

5 mi beyond. 12 by road

Platypus (Gabrien)

Ashville Tom.

Dr. Savage - Jim Savage - utility

Guy Hale's Truck

practically all soil (if there ever was soil) has been eroded out, leaving only the vast jumble of rock. We are after rock wallabies (Petrogale). We stay until Tuesday, Sept 21.

Mon Sep. 20. Traps out last night, 20 rat, 15 steel, produced nothing. All three of us hunted along the base of the granite, & afterwards Van & I went there with jack-lights. Saw two "jacky lizards" (tarden geckos). Very early this a.m. the three of us were out again (long before sunrise), with equal results.

Despite the presence of the spring this area seems almost devoid of mammals. I did see dry droppings of wallaroo size, & the night before, up on the rocks, very dry sun-bleached droppings of rock wallaby.

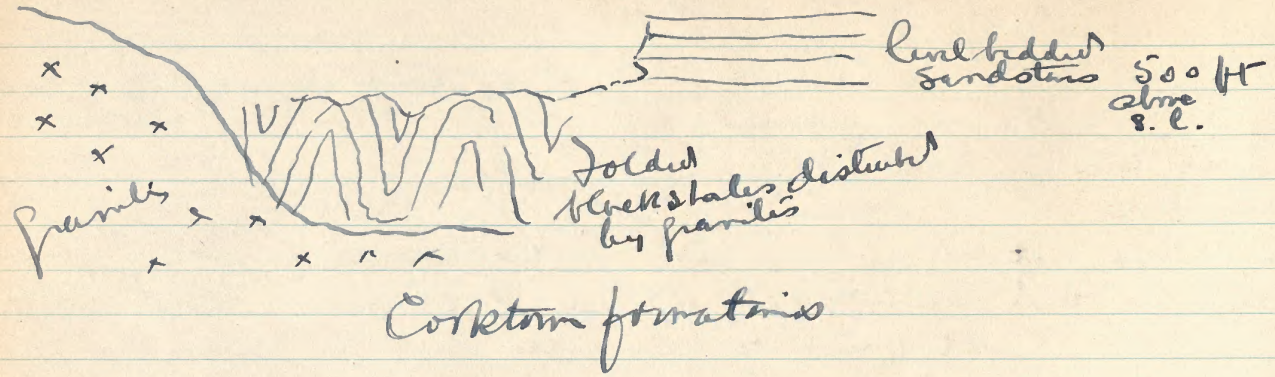
After breakfast Norton headed for the Annan River Falls at the west end of Black Mtn, which Van & I worked around the base to to road & investigated the scrubby place Norman told us of the day before. Almost no signs of rock wallaby.

Norton went back to the Annan River Falls, where an old native, Monday, had previously taken the rock wallabies, and he returned in the afternoon with one female with a young joey in her pouch. Her pattern is relatively marked: grey; base of tail tawny head & limbs tawny; tail, hands, feet black.

Sgt & Scotsmen in evening.

Tues. Sep. 21. Trapped 1 Velamys, 1 Satarellus. Went hunting rock wallabies in Annan Gorge. Back in camp by 10. Skinned. Norman Watkin & truck arrived 11 – reached Corktree 1.30 pm. Reorganized. Arranged trip to Aldebury (mile 29) for rock wallabies & later to Seagram's Dam (Sat-Monday). Got permission from Sgt. Griffiths Police to shot town possums. Van shot one (a Trichosurus).

Wed. Sep 22 Had talk with Carlton Olive re hunting. Arranged Saturday trip in Dorrey Savage's pick-up. Sgt Griffiths loaning us his tracker Sammy for weekend. Sam wrote that our boys to go on Wardana.


Level bedded sandstones
500 ft above s. l.
Folded black shales disturbed by granites
granites
Cockton formations

Thur. Sep. 23. By train at 8 am to Alderbury at mile 25. Van & I walked up to the gorge in sandstone rocks to learn route. Camped at station. Out in late p.m. taking 30 steel traps & our hunting lights.

No rock wallabies seen & their droppings but rarely — more wallaroos. Van shot 2 Petaurus australis. ~~Thur~~

Fri. Sep 24. Out long before sun-up. Traps n.g. Hunted up gorge. No rock wallabies. Saw a large grey wallaroo hopping away fast.

Two wallaroos came by opposite side of gorge 200 yards away. Stopped. Feeding. Indulged in a moment of "boxing", when they stood facing, close together & seemed to claw each others' shoulders with their fore paws.

Van caught a Sciteinus in roof of station.

Left at 2 pm by power-hand-car. Stopped at culverts where 3 Rhinolophus. Stopped at Seegreen's Farm, 10 mi from Corktown to verify plans for hunting whiptails.

Reached Corktown about 3.30 when found Len Geoff, Dm, Joe already settled in Commercial Hotel.

Sat. Sep. 25. Left Corktown with Donny Savage's truck about 10 a.m. bound for Seegreen's Farm. Arrived 11 a.m. Objective: whiptail wallabies. Arranged for "Sammy", Sergt. Griffiths' tracker to go out to Farm Gully for whiptails also.

At 4 pm Van & I went out up the hills — 1 mile west along the line & then up the east side of a big gully toward the sandstone-capped hills. Saw wood. Jocking at night. Van 1 flying squirrel.

Sun. Sep. 26. Out very early — Till 11 a.m. — about 6 miles. Van saw 2 wallabies in distance but not certainly whiptails.

Several mammals in traps: Rattus culmorum, Hydromys, Shot 2 opp of Sciteinus.

Mon Sep 27 — Bats shot by Vern: - 1 Scotterin, 3 Macroglossinae at flowers of Century Plant (Sisal).
Out after native rice - I found under safe iron stacks in middle of red-earth peanut field. Hedgehog originally in open forest.
Nothing in traps.
Back to Cooktown by noon.
Sin & Don had left on a.m. plane for Cairns.
Did some packing for ship journey.

Tues. Sep. 28. — Finished packing. Cargo down to boat in a.m. We go on board tonight. Due to sail early Wed. a.m.; and arrive Cairns Wed. eve.
Working out schedule for RR trip - Cairns onwards.

Wed. Sep. 29. — Left 5 p.m. Stopped at Blomfield R to take on Lady Bissett, wife of ex-commander of the "Queen Mary". Stopped at Daintree for fuel. Reached Cairns 4 p.m.

Thur. Sep. 30 - Fri Oct 1 Sat Oct 2. — Baggage repacked. I terminated my association with Archbold & exped. as of morning of Oct 2. Then went down to the warehouse & bribed crates all morning.

Reconnaissance trip reserved by overnight visit to Barron Waters (tropics) see beyond. Also accepted invit. to accompany Mr. Gallup of "Warm Roads" on survey of Windsor Tableland. To start Monday p.m.

George Brooks drove me out to stay with Bob Hunter at Barron Waters. Set 21 steel traps + 22 net traps.

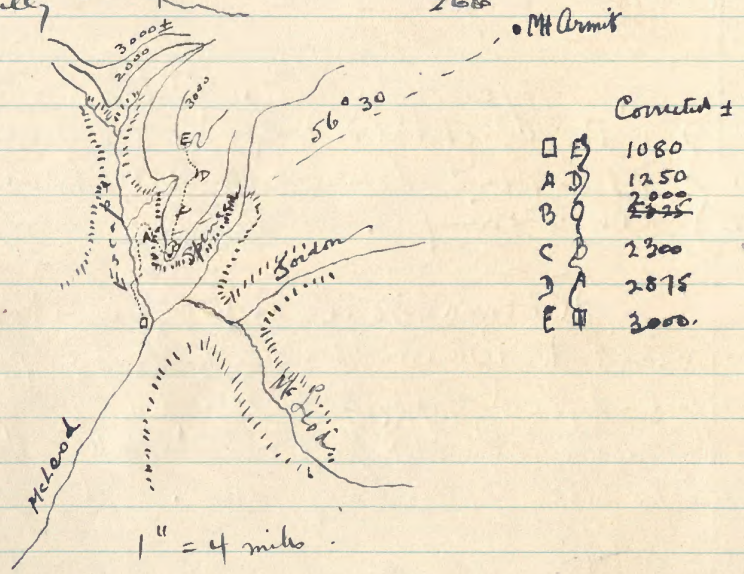
Sta E1. Elephant 222°

Sta D1 Turkey hill (quartz gully) 202° 30
Elephant 225°
Desailly 248° 30'

Sta D. Armit 56° 30
Turkey Hill 206°
Elephant 226°
Desailly 249

Sta C. McLeod - Escape Jctn (camp) 187°
Turkey Hill 221°
Elephant 232°
Desailly 254° 30' mag. Variation 6° E

Sta B. Alto 145° 30'
McCleod - Escape 187° ±
Turkey 226° = 232.
Elephant 235°
Desailly ← Prospect. 266



Note: Mr. Galloway (main Roads) collected Nothofagus in 1932 at Leichardt River crossing 110 mi from Burketown.

Sun. Oct 3. Caught only a Peranelo in rocky scrub above house & Urongs in kitchen: Porters came again for me at 11. In town with Van to visit the Heals —

Mon. Oct 4. Horace picked up my baggage at 10.30 & returned for me at noon. We left – 6 of us in 2 cars – about 1.30 pm. We went up the Cassawary highway which I visited in March, south the Mt Molloy (Stubbs), west to Mt Carbine (Wolfram) & continued west to the crossing of the McLeod River near Cunaghmore Station, where we spent the night. All open country south & west of Julatten. From Mt Molloy town a large mass of mountain (Mt Fraser) very prominent. This is the southern tip of a massive chain of mtns rising thence NNW to Mt Armit.

Tues. Oct 5. An early start. Drove up the escape track about 2 miles. Parked the command car, & climbed the ridge between the valleys of the Escape and Spencer.

	Stockyards (mouth of Escape)	8.30 a.m. (camp) 7.00 am departed.	1090 ft.	8.30 pm.	1290
1¼ hrs.	Stn A. (lyticar)	9.45 am.	1275 "	4.10 "	1525
35 min	Stn B.	10.20 "	2030 "	3.40 "	2250
45 min.	Stn C	11.08 "	2435 "	3.00 "	2630
50 min	Stn D.	12. noon.	3020 "	?	
60 1 hour.	Stn E	1 pm.	3160 "	Started down at 1.50 pm.	
3.10 min. up.		In camp. 4.30 pm		2½ down	

Not much scrub anywhere visited. Rich scrub in Spencer & McLeod valleys. Saw Gray Kangaroos (2). Up in trees lots of Wallaroo sign.

Wed. Oct 6. Shot 2 Trichosurus, 1 Pseudocheirus last night. Stayed in camp to skin them while G. Gallup & his men went out again to search for road. In pm. collected insects up to Spencer – McLeod Junction. The McLeod supplies virtually all the flow.

Left 4 Trichosurus unshot. Plenty of possum droppings. They seem to discard to the front to defecate – at least sometimes. In evening went out jacking in same area. Collected a ♀ Pseudocheirus (with 2 pch yg). Saw & left unmolested 5 Trichosurus.

No trace of anyone
run from anyone
at the railway west of
Immanville.

Thur. Oct 7. Skinned the Pseudochiros. Then we broke camp & returned to Cairns. Left Camp 8.30. Reached Cairns at 3-pm. Repacking for departure in a.m.

Fri. Oct 8. This marks the real resumption of the reconnaissance trip. Left Cairns by 10 a.m. train for Townsville, which arrived at at 7.30 pm.

Bellenden Ker clouded. No rain however - Very dry everywhere.

Mountains of Coast advance & recede. Mass just n. of Cardwell. Another s. of the Tully R. The Tully valley fairly open, as is that of the Herbert. In latter case mountains out of sight. Next case mtns of Seaview Ra (Mt Spec).

Vegetation Semi-scrub as far as Tully, mixed with true scrub & patches of open forest. Farther south it is all open forest. Necessary to draw the rain-forest lines on a good map, as small scale maps will not accommodate.

Sat. Oct. 9. Train for Mt Isa leaves 11 a.m. On this trip shall see only the terrain as far as Pentland (148 mi.) and for Warrigal which the train reaches just at dark.

At daybreak I shall be at Julia Creek (398 mi). Due at ~~Mt Isa~~ Cloncurry (481 mi) at 9.40 a.m.; Mt Isa (608 mi) 3.15 pm. Oct 10th

First 2 hours - through broad poor forest, flat & gradually rising. Hills begin to encroach on either side just before descent to open valley of Reid River (248 ft) (35 mi.). All very barren & dry. This basin is separated from the Burdekin R by a low part of the Leichhardt Range - higher part (952 ft) at Mingela. The Burdekin is passed near Macrossan (793 ft & 69 miles out of Townsville).

Saw hardly any cap-rocks to s. between Reid & Burdekin. Haughton Valley (photo - looking SE) 2 foot [illegible] for succeeding hill. Summit flat - (Mingela).

The Burdekin is an enormous river - close to Macrossan (70½ mi), crossed by a high steel bridge. Its bed is broad, flat & full sand.

Water in it (Oct) is reduced to disconnected water holes.

Charters Towers dusty barren, & bandored field flow. Few gently knobs. No rain since last March 12 months. (Missed rains last season) (Known, as there ~~are~~ is plenty of grass forest a mile either side & think the local forest must have been cut for timbering stoping & tunnels.

Miles of flat country beyond Charters Towers. Sidgea, Bricalow, &c - Begin to climb again at Homestead.

Pentland 1323 ft. dead flat - few scattered trees. A few scattered hills to n & w 8-10 miles away. Miss Neuhauser collected Rock Wallabies here.

Met Ted Meredith, former main roads man, has lived at Ravenshoe. Thinks he remembers Harry Raven. He claims they found Eudromicia (? midgy possum) along Cook Highway. Green Possums formerly bet. Milaroda & Herberton (1 found young only).

Porcupine caught at Charters Towers & Blackall. Pals grazing often young.

Open forest ends about 20 miles E of Hughenden - whipstick as far as Cloncurry.

Plague in May 1910 Hughenden to Cloncurry of Rats. Well was choked with dead rats.

Plague for 12 months.

West of Gulf Tableland climb few very miles to divide. Trees very small & dense - Lancewood. Ferns to Iron Bark & Bloodwood.

Warrigal - Take on second engine to cross range.

At Oakenda the line passes from grass country back to scattered forest.

Fred. King brother of Bros. King, c/c hardware at Denham Bros. Lancewood & Bidgea peculiar odour.

Sun
Oct 10.

6 a.m.
Tuba Creek, - Wide open Mitchell grass country with an occasional small tree. Burnt to dry grass color. No creek.
8 a.m. Scattered banks - particularly along creeks. {E mars Stuart
8.30 Creek. Increased trees & bushes.
8.35 Undina - Station Mitchell grass & Sidgen. Dead flat.
8.45 Red gravelly soil more stunted banks locally, & Mitchell grass on the rises, → Spinifex ???
Ground Raspberry. A peculiar grass in large hummocks
9.00 Pymurra ~~rr~~ station. Getting cloudy.
Hills to south - outposts of Clonbury system
10.00 Small gums along Clonbury River - Low hills of ironstone about.
Between Dolmiti & Marcino a few small rock outcrops - Scattered "spinifex" clumps.
10.00 among rock hills - promising!
21½ mi - Much "spinifex"
Malbon N.G. - all flat.
Flat anticline of white shales (? dolomite?) at 520±
Scattered flat topped hills show dissected peneplain.
Hills near at 530.
Climb - again plenty of "spinifex"
Rocky Outcrops (S.S.?) of 547
Duffess - Hotel - Rocky Hills - Spinifex.
5 to Dry Creek. Temporary increase in vegetation: gums & trees.
Rifle Creek area promising.
Train arrived 1 hr. late. Difficulty to get into Hotel. Very crowded - Sports teams. To my astonishment a sandstorm, which speedily changed to rain came over the town at 6.30 Wednesday. The big mine very impressive - Dragon, Mr. Kruttschnitt. - Chiefly Lead, Zinc, & some Copper.
Isa Hotel, management Mrs O'Grady.
Spent evening with Mr. & Mrs Kruttschnitt. To see Mr. Brown, schoolteacher re children collecting specimens. Then go up to Rifle Creek to wait for day or so.

Harry Ormsby
Police Station
Birdsville

Wm J H Bates

Mon
Oct 11.

A cool a.m. (66°) & dense mist like fog which was actually suspended dust.

Visited the children's school (principal, Mr Brown) to learn whether kids had seen any mammals. Several stood forward. They were to try hunting this p.m., & I am to pay 6d for each specimen tomorrow morning. One boy said he had seen traces of spiny anteater.

Then up to the mine, where Mr — took me out to see some small natural caverns. One, 20 ft deep, had plenty of droppings of rock wallaby & a few of wallaroo. No bats. Other holes too small. After lunch back to the mine to search in no 1 (200 ft) level for possible skeletons of rats which crowded into the tunnel during the 1940 rat plague. None found, but picked four scorpions off the ceiling of the 85 ft level.

Discrepancy in the stories of the rat plague:— some they migrated, others random movement. Those supporting migration disagree on the question of direction.

Met Mr T. H. Bates, who has just returned from Birdsville, S.W.Q. & says a rat plague is actually in progress there. Am writing to Police Sgt Harry Ormsby, Police Stn, there to try to obtain specimens.

Evening. To dinner with Mr & Mrs Kruttschnitt.

Mr Bates also recalled what would seem to be Antechinomys when he was a boy out at Boulia, 90 mls. S. of Dajara. It was in the loose bark at the foot of a fence post.

All preparations made for me to fly up to the dam at Rufus Creek, Mt Mr Walters. A car will pick me up at 10.15 a.m. tomorrow

Spinifex seen & felt for first time today.

Dined with Mr & Mrs Kruttschnitt.

Mud swallows' nests under lip of dam, but no swallows.
Frequent Ibis, cormorant, black duck, jabiru stork. Small plovers in muddy places.

Rocks:- Fine conglomeratic quartzites (?), steeply upturned, overlying water-rolling black shales (showing on edge in stream bottoms).

Various gum trees &c in bottom of Rifle Creek. The spinifex going to seed.

Tues Oct 12.

Left for Rifle Creek at 11 a.m. and 11.30. Mr & Mrs Watts very cordial. Went out on dammed up lake in small power boat for ½ hour after lunch.

The creek normally dried up before the dam was built. There is a catchment area of 16 sq. miles, & the water caught lasts over several dry seasons. Last year the dam did not overflow. It has overflowed to a depth of 4 feet.

Going up the lake, which winds among steep rocky hills, we saw 2 gray, white dusted wallaroos. Watts says that a hunter recently shot some 80 animals of which 3 were gray kangaroos, the rest wallaroos. No red wallaroos here. Some quite dark – blackish.

Have found 3 or 4 wallaroo skulls up gully opposite house, in which is a tiny perpetual spring.

Trapping:– 25 rabbit traps up said gully among rocks & spinifex grass. (No catch); also 25 above the dam, partly high up at the foot of the cliffs, partly along the high water mark of the lake (built 1922) (One mouse). A few traps in house (1 mouse).

Evening: with jacklight saw 4 rock wallabies at water. Shot one – found another in my steel trap. Mr Watts trapped yet another using lettuce & bread for bait. ½ moon.

At dusk saw one bat – missed it.

Wed. Oct 13.

Ran traps. Went on to two small caves seen in side of hill edging lake ¼ mile above dam.

First Cave:– Mummified remains of 2 wallaroos, 1 "joey" wallaroo, 1 kid. Second cave:– Skin of rock python; two large gray Tapteroos, both collected.

The mice varied above a pale gray brown, larger than house mice, with the bases of the tails fattened – thick-skinned. Perhaps a water storage mechanism. The tails draw out easily & the vertebrae + muscles show no such thickening. They reminded me of Laoomys.

Returned from cave across top of hills on "horse track", fine view. Skinning mice, bats, wallabies. Must take cameras tomorrow.

"Kangaroo rat" said by Watts to occur out on the spinifex flats. "Native cat" at Quamby.

Rev. J. C. Bradford
P. O. Box 37
Mt. Isa. N. Q.

Send copy of "Preparation of Small Animals"

Colin Watts
Rifle Creek Dam

H. P. Veness.
Winton

Thur. Oct. 14.

Picked up traps: another rock wallaby which I killed & skinned; still another which I released. They get into traps very easily. Also trapped:- another Lagorch(?), a Smithopsis, fat-tailed, with 6 much young; and a house mouse.

Finished packing about 3.30. Mr Wells drove me down to the station by 4.30.

There I got a berth:- found a 1st sleeper attached to the "mixed". So had good night's sleep.

Fri. Oct 15.

Daybreak ½ hour before we reached Nelia Creek. Mitchell Grass country. Dead flat.

Breakfast at Nelia - still flat Mitchell grass country - heavily overgrazed in places.

Met man who said there is a species of possum at Spring Creek - some 15 miles N.W. of Mt Isa.

Nonda (360 mi) has some trees & low shrubby bushes, compared with the almost bare country about Nelia (368 mi). It is also higher: 520 ft, compared with 465 ft at Nelia.

Maxwelton is all grass now more.

Tolpot. Trees, grass, a gushing bore - cattle.

Gemoka:- Grass & bees!

Richmond: Small town on Flinders R. Boiling water bore. Gress. few trees. Country e. of Richmond becoming a bit more rolling. Train has trouble to go up hill.

3.30 pm: Still Mitchell grass. Few trees. Trees ridge to NE. (~~probably tributary of Flinders R.~~).

Mosella - Mitchell grass - much grazed. The big ridge is across the Flinders and 20 miles away. Or shelves from NbyE to NE ±.

(278 mi) 5.20 pm (transition) E. end of ridge about due N. Still M. grass. This ridge said to be basalt & very rough. It carries forest.

Arrived late (8.00 pm) at Hughenden. In bright moonlight walked down to the Flinders R. - 200 yards wide & a dry bed of sand with temporary motor road crossing it. A bridge under construction.

Visited P.O. & Police Stn. to try to trace Gabriel Newhaven Scott (who collected Mammals here). Found Mr. Scott's former prospecting partner - Mr. Mottershed.

pm

He said the Scotts lived until last April for Tomiraill where they lived in one of the "Country Women's" huts till July. Then Mr. S. took a job out at Selwyn (carpenter & well-driller), while she with the children went to Brisbane. He was sure her address could be had either at the G.P.O. or the Museum.

The Police sergt told me that the place where the fossils "near Hughenden" were taken out was Stamford, on the Winton Line. Stamford is 38 miles from Hughenden.

Sat Oct 16. Train for Winton left at 6.30 (¼ hour late). Lowlands flat & bare. A forested plateau (basalt?) a few miles east. Much dust haze in air. 7.04. Alla, sheep station - not too heavily grazed.

7.16. Country becomes completely treeless. Mitchell grass. Beyond Wersianna the Mitchell Grass downs are much overgrazed.

Stanford suffering extreme drought. Apparently no one ever heard of discovery of fossils here!

Chinbi - slight improvement in grass. Rocks basaltic? or sedimentary? - bad sized blocks, some with conchoidal fracture. Dead animals - not kelt bones!

Whitewood - heavily grazed & no trees.

Tarvano, sheep station. Mitchell grass not too bad

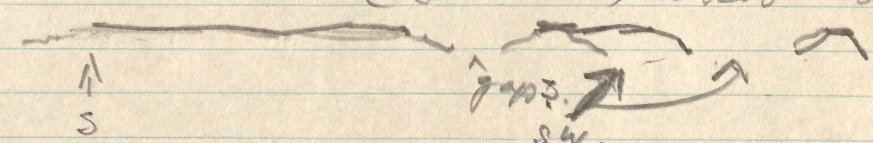
Silerus " " heavily grazed.

Corfield (lunch place). Dead almost completely absent. Dust. Pronounced mirages to N. Mimosa tree & native stunted tree photed.

A good-sized "willy-willy" (dust storm) west of Olis photed. Olis much less grazed out.

A drigo, reddish town, a mile NE of Lara (dense wood)

Prabri. Distinct hills (Table lands?) about about 20 miles



Ordonoo - bare & barren. Tablelands composed of scattered dissected fragments.

The hills are low & pale sandy brown - possibly a clay. The first hills due left at ± 356 miles.

CRW

Station master at Lowiton has specimen of silicified wood, which he thinks came from Rangeland Station.

The railroad passes through the eastern of the 2 gaps. There is small tract of open forest of pines, others are nearly bare. Top of pass at ± 358.
another is sedimentary – this begins (1 mile) and is directly east of Rangeland's Station (360 mi.).
Looks like rock wallaby country. Winton only 8 miles ahead. Tableland reappears (continuous?) some 10 mi to S.W. Also (across watershed) a fairly disjointed second elevated area to S.E. This must be towards Mt Alice + Mt Leichardt.
Arrived Winton 3.30 just in time for the engineering + conductor to hear the "Melbourne Cup" on the radio.

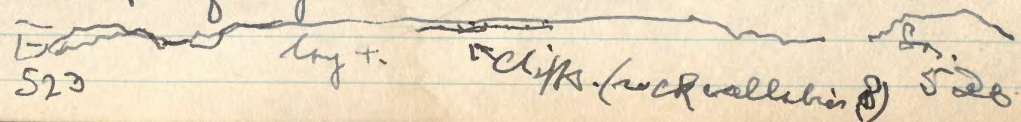
After a bath went to present letter of introduction, given me by Mr. Watts, to Mr. Veness. He in turn gave me the addresses of people who might know about local mammals, and afterwards presented me at the Winton Club, whither I stall go tomorrow seeking still more information. Veness's list of mammals (reputed):

Kangaroos (various)
Wallaroos, + rock wallabies in hill country (Rangeland)
Dingos
Kangaroo mice } Water rats in a waterhole in a
Marsupial mice } creek 30 mi west.
Porcupines
Bandicoots (which?)

Despite 3 years drought + the land around Winton being denuded of all fodder, mosquitos a flying about me in the hotel as I write.

Sun. Oct. 17. Arranged sleepers to get me to Gairstown the morning of the 20th. Saw 4 biolgas. These quaint birds come right into Town after food + water. To the club to write letters.

Mon. Oct. 18 – Left at 8 a.m. Due E, leaving Rangelands to N. + passing between them + the "distant tablelands" alluded to on Saturday. Aft. these tables appear to be remains of dissected peneplain. Small hill level at 530 miles; eastern tip of long tableland level at 523



There is much more of this Tableland to the west to S & SSE. – 20-25 miles away. Its extreme eastern tip level with 505 miles; 10-15 miles to SE.

448 mi. Another block of tableland to SSE – 25 mi. Mitchell grass still grazed down almost to zero.

E. of Chowgon the land not quite so heavily grazed but no water. Small coolibah trees along dry creek beds. An occasional windmill (489 mi).

Mordla (lunch: the cup of tea with the meat pie or sandwich): all grass virtually gone: 3 carloads of sheep attached to this train.

"Main Roads" doing good work on this Winton-Longreach highway = culverts bridges etc. Inhabitants say they work much too slowly.

457 miles. Increase in the number of trees (Payne Sta.) Laterite nodules. 454½. Many trees (all small) been cut for fence posts.

450 More Mitchell grass fodder. Nest-trees again. But plenty a short way N. Descending.

Large water hole at 447. Country more gullied from N-S. Darr. Plenty of small wood with the aforesaid permanent water, but feed all used up.

E of Darr – low, sandy. Some fine shady trees.

442½ Low coast of red soil 55 ft. crossed. Complete change from grass country of Winton, etc. Low SS ridge to N – ? 50-100 ft. (5 miles away).

Just before reaching Longreach crossed two water-filled channels of the Thompson River, NOT flowing but very extensive water holes (there name Long Reach). Fringed by big (6 ft wide) trees of a green-stemmed shrub resembling our Kerria, but leafless. These could well harbor small mammals. The entire valley of the Thompson, very flat except for channels with a couple of miles wide. It looks as high in flood. Prior it filled up completely.

Longreach much more picturesque than Winton. Plenty of flowering shrubs. A big water tower fed from the river.

Country flies back to eaten-up condition – Mitchell grass all way to Barcaldine.

Constable G. W. Reilly (Robin Stk)
Clermont

set Constable J.J. Phelan
on train
Central Queensland Naturalist Club

Wombats

Tu. Oct 19.

From Barcaldine to Jericho, 2 yrs tred (6 yrs). The land is called the "desert country" — mostly bare & sandy. Known for ferruginous at least the trees are much larger in these pitches & often thick-based — 15" to 2 ft. It harbored mostly forest on sandy soil but there were a few open patches.

Got no view of the western slopes of the ranges — Jericho, Alpha etc.

About 1-2 a.m. passed thick forges & cots in fairly level country and nearly rocks of the high divide — Drummond, Cheers Gap etc.

At dawn in rough country with large forest. & stony afterwards large clipped hills to s. near Bluff (106 mi). Country thereafter rolling, forested. A good bit of erosion.

140-50 mi Lots of big prickly pear bushes in bloom — isolated not massed. Great thickness of shales dipping steeply. Terrain very broken, deeply gullied. Bottle tree, cuba tree.

140 mi Gogango — Open flats. Mon hills ahead. Saw no sign of "rain forest."

Conversation other 50. Possum belt ~~70-80 mi~~ ~~50 mi E~~ of Clermont — 2 mi X. Bear 50 mi. E of Clermont.

Arrived Rockhampton 11.40. Was lucky enough to get a berth this time on the 12.15 for Brisbane. Saw to transfer of luggage.

Stage Seymour at station asked me to buy some books for him.

"The Reach of the Mind", J. B. Rhine

"Seven Gothic Tales" Isaac Dinesen

Met Constable J. J. Phelan (off. page) who has friends at Clermont interested in Nat. Hist. Silmas said a Central Queensland Nat Soc. had been formed. Lock (tea) at Gladstone.

Left Rockhampton at 12.15 pm. A young policeman gave me address (off. page) of his friend Reilly, who is interested in Nat Hist.

Wed Oct 20

Brisbane at 6. a.m. At museum copied names from their catalogue (the next page). Notes continue thereafter:—

J

Extracts from Mammal. Reptile Cat. Queensland Mus.

1911.	No.		
July 5	11-14	Echidna aculeata	Woodford, Q, 50 mi n. Brisbane
Sep 2	11-19	Phasc. cinereus	"
21	11-20	Tach. aculeatus	"
21	11-21	Acrobatis pygmaeus	Wordai, 100 mi NW of Brisbane
Nov. 29	36	Phascol. cinereus	Blackall Ra.
Dec. 29	41	Pseudoch. peraginis	Toowoomba
1912 Mar 23	85	Ps. "	Terrey's Ck, n. of Dayboro, nw of SE. Q. Brisbane
"	86	Phasc. penicillatus	"
"	87	P. vulpinus	"
27	90	Perameles lagotis	Surat, ~~SW of Dalby~~ SE of Roma, Balonne R.
Apr. 25	104	~~Perameles~~ Isoodon obesulus	Terrey's Ck.
27	105	Perameles nasuta	Brisbane
May 9	120	Trichs. vulpecula	Woodford
June 11	144/5	Hypsiprymnodon moschatus	Yungaburra
"	146/7	Dendrolagus lumholtzi	Cairns Dist.
Aug 31	307	Dendrolagus bennettianus	Dairtree R. Type
Sep. 13	337/8	Pseudoch. herbertensis	Yungaburra
14	339/41	" lanuginosus	Yungaburra
14	342/3	" archeri	Yungaburra
17	344	Trichs. v. johnstoni	Yungaburra
17	345/6	Ps. lanuginosus	Yungaburra
17	347	T. v. johnstoni	Yungaburra
Oct 3	357	Tachyglossus	Warwick
17	377	Ornithorhynchus	Woodford
22	384	Perameles nasuta	Noosa Heads, N. Coast ~~Caloundra~~ Dist
29	385/7	Smith. crassicaudatus (?)	Roma
29	388	Dactylopsila t	Herbert R
Nov. 22	568/570	Acrobatis frontalis	Herbert Gorge
26	571	Phascog. macdonnellensis	Alice Springs (Spencer Coll)
26	572	Sminth. Larapinta	Charlotte Waters (" ")
26	573	crassicaudata	" "
26	574	Notoryctes	"
26	578	Phasc. murinus	Q.? (6 young in pch)
1913 Jan 9	671	Phascol. gillespiei	Toronto R., St George, Q
Feb. 1	755	Ps. archeri	Herbert R. Dist.
1	756	" herbertensis	"
1	757	" peraginis	"
7	774/5	D. lumholtzi	"
8	778	Trich. vulpecula	Macon, Q
8	779	Peram. nasuta	Brookfield, Q

1913

Mar. 4	881	Macr. parvi	Southbrook, Q
Aug 5	1217	Trich vulpec.	Burdaberg, Q
Sep 18	1255	Acrobatus pygm.	Cannon Hill, Morningside, Q
Oct. 23	1302	Petaurus sciureus	Brisbane dist.
1914 Jan 8	1433	Phasc. flaviper	Noosa Head, Q
16	1480	Pteropus poliocaph.	Toowoomba
	1492	Hydromys	Burdaberg
Mar 23	1737/8	Melomys barfieldi	Dunk Is.
23	1742	Pt. murina	Black Sin Crk, Rockhampton.
24	1745	Conilurus pedunculatus	Alice Springs ??
24	1758	Nyctimene australis	Sowie Creek, Cardwell
"	1759	Chalinolobus gouldii	" " "
"	1760	" "	Chinchilla
"	1762	Nyctophilus timoriensis	Caloundra, Q.
"	1763	" "	Chinchilla
25	1770	Platypus	Mackay
May 6	1839	Phasc. cinereus	near Brisbane
June 2	1858	Hydromys	Samford, 20 mi n of Brisbane
3	1860	Tachyglossus	Cooparoo, suburb, Brisbane
15	1876	Dasyurus maculatus	near Brisbane
18	1890	Hippo. bicolor	Dunk Isl.
18	1891-3	Vespertilio pumilus	"
July 15	1941	Q. atratus	Innisville, N.C. Line
	1942/3	Sm. crassic.	Murwah Sta., W. Q
17	1944	Cheiromyrmus	Oxley, Brisbane
20	1945	Tapt. flaviventris	Long Point, Moreton Bay
20	1947/8	" nudicloacalis	Sowie Creek, Cardwell
20	1949/53	" furcosus	" "
Oct 1	2004	M. parvi	Wyanum
21	2022	Acrobatus p.	Murgon.
21	2027	"	Wooloroo, N.C. Line
1915 Jan 21	2096	Nyct. plicatus	Brisbane
Apl 1	2275	Pet. sciureus	Tiaro
May 26	2322	Mimoptenus sch.	Brisbane
June 10	2379-82	Nyct. plicatus	Burdaberg:
	2382	Mimoptenus schreibersi	"
21	2389/90	Platypus	Eidsvold, Q (Barcoo)
22	2396	M. parvi	Esk
28	2399	Cheiromyrmus	Burdaberg

1915 June 29	2402-3	Pet volans.	Bundaberg
	2404	Scotemia vitellina	
Sep. 13	2526	Tricholoma	Cape York
	2527	"	Rockhampton
	2528-33		Herbert Vale, nr. Cardwell
Sep. 21	2521	Phascolurctos	Murdulbane
Oct. 31	2562	Trusetbrioma hirsutum	Darwin
Nov. 23	2634	Trac. fujiensis	Livonia, Tarroom
"	2635	" dorsalis	" "
"	2635a	" walabatus	" "
"	2636	Phascolurctos	" "
Dec. 15	2641	Nyctiophilus	Wordford
~~Feb. 2~~ 1916	2699	Hydnum	Mt Tamborine
"	2700	Sm. crassic.	Murwoh, S.W. Rly
Feb. 14	2704/5	P. volans	Glasstown Mts
Mar 24	2734	Rhizophyllum	Currumbin, Q
Ap 14	2739	Artechromys	?
14	2740	Ph. penicillatus	Pristine dist,
Ap 20	2743-4	Pet. volans	Woodford Q
July 7	2783	Das. maculatus	Miva, N.C. Line
" 12	2784	P. macrura	Woodford, N.C. Line
Aug 5	2789	Tricholoma	Mt Tamborine
Aug. 22	2794	Phas. flavipes	Many Peaks, nr Gladstone
Sep. 21	2816	Isoodon macrura	Tamborine
Dec. 20	2834	Nyctophilus gouldi	Woolwin.
" 22	2835	Phas. flavipes	Eumundi
~~Feb. 27~~ 1917	2865	P volans	Yandina
Mar 6	2873	Ph. penicill	Nara, Toowoomba
June 8	2928/9	Pet. sciureus	Sunnybank, S. Q
July 24	2962	Pseudomys novaehollandiae	Pittsworth, D. Dist
" 30	2968	Smith crass	Condamine Plains, Brookstead
Oct 1	3045	Acrobates	Woodford
Oct. 31	3052	Halmaturus fardinii	Cape York Type
Nov. 13	3069	Notoryctes mitchelli	Mulgeldie Sta, via Eidsvold
	3070	Hydnum	"
	3071		"
Nov. 26	3082-3	Tacc. flaviventris ~~aratorius~~	Eidsvold
27	3096	Phas. minutissimus	Pittsworth Dist.
Dec. 3	3097	Ps. peronii	Bauple, via Maryboro
~~Jan 8~~ 1918	3109/10	Smith virginiae	Hampden, near Mackay

Feb. 2	3130	Nyctophilus tasmaniensis	Brisbane
Mar. 15	3145	Melomys	Darwin (Channel Is)
19	3146	Tachyglossus	E. roggera (Brovely)
Ap. 20	3156	D. maculatus	Burdekin Dist
22	3158	Acrobates	Mungalolie via Rose
May 27	3168	P. penicillatus	Toowoomba
June 4	3174	Acrobates	Milmerran, Darling Downs
14	3176	"	Warwick ≈ 120 mi w TB.
26	3179	I. macrurus	Corkelin
	3180	I. obesus	Brisbane
July 23	3184	Hydromys	Clermont
Sep 6	3195/6	Mac. rufiventris	Stanthorpe Q
Oct 17	3209	Tachyglossus	Silver spur, 150 mi SW TB. S. Q.
Dec. 31	3237	Sminthopsis leucopus (spirits)	Corkelin
1919			
Jan. 9.	3241	I. macrurus	Amity Pt. Stradbroke !
Feb. 1.	3251	M. wilcoxi (skull)	Tambourine
Feb 10	3261	Ph. minutissimus	Tambourine
Feb. 28	3270	Acrobates	Barnard, 90 mi S. Rockh. C. Q. Dawson Valley
Mar 31	3273	Ph. flaviceps	Canungra, S. Tambourine Plateau
Ap 30	3283	Tachyg.	near Toowoomba
Sep. 5	3331	Trich. vulp	Kingaroy
Oct 31	3342	Acrobates	Landsborough, 60 mi W. B. N. C. Line
Nov. 20	3345	Ph. minutissimus (& 7 young)	Mundubbera
Dec. 16	3358	Aepyprymnus	Toowoomba
22	3359	Pt. scapulatus	Dalbydilla
1920			
May 31	3386	P. volans	Thulimbah, S. C. Line
July 15	3404	Phascolarctos (skull)	Bribie Isl., M. Bay
Oct 14	3436	Nycticeius tryoni	Canungra, S. Q. Type
July 1921 2	3511	Sm. cross.	Barah, N.S.W
Sep. 23	3533	Lepidodactylus c. lichardi	Torres Crak (Fruit Hills),
	3534	Aepyprymnus	≈ 180 m. w. of Townsville
	3535	M. fuliginosus	"
	3536/7	" robustus	"
	3538	" rufus	"
Sep. 29	3544	Das. fallicatus (skull)	"
	3545	T. vulpecula	"
Oct 6	3548	Aepyprymnus	Stanthorpe
	3549	P. penicillatus	"
Oct 24	3554	layoti	Bulgroo Sta., Adavale, W. Q

towards Cunnamulla

Nov. 1.	3556	Acutatus	Logon Villa, S. Q
1922 Jan. 19	3585	M. styrakias temporalis	Rockhampton
Mar 4	3596–3600	Petauroides volans	Stanthorpe
✓	3601	Trichosurus vulpecula	"
26	3611	D. fallucetus	Inkerman
Ap. 10	3623	Ps. pergrinus	Paddington, Brisbane
Ap. 19	3625	Mel. chrysopus elorus	Cedar Creek
	3627	Hydromys	Derek I.
	3628	Ptasciculus (skull)	Mt Glorious, 30 mi W. of B.
May 18	3636	~~Budarim~~ P. penicillatus	Budarim Mt., S. Q —
June 12	3650	M. parvipes	Bonnah, S. Q.
	3652	M. dorsalis	Westwood, via Rockhampton
June 29	3659/60	Peth. viverata	Katan
	3661/2	Dendr. lumholtzi	Evelyn
	3663/4	Pet. v. minor	6 mi S.W. of Ravenshoe
	3667/8	T. johnstoni	Evelyn
	3669/70	P. ~~Cinnamomeus~~	"
	3671	" herbertensis	"
	3672/3	Ph. johnsoni (O.T.)	"
	3675	M. chrysopus elorus (?)	Babinda
July 20	3688/9	Sm. crassic.	Westwood, via Rockhampton
	3691	M. fijianus	Wellstown, Inc. Intype R., Murray R. W. Q.
Aug. 2	3685/6	Petaurus	Lockarbie Ck, Murdakera
	3697–3700	M. ruficollis	" "
7	3701	" walabatus	" "
	3702/3	" dorsalis	" "
	3713	" wilcoxi	" "
	3715	Acutatus	Clermont
	3716	Ph. flaviceps	Tambourine
Aug 9	3717	Acutatus	Yaraman, 80 mi NW Pristan Valley Line
18	3720	M. fijianus	Boradiwindi, SW, St George 220 mi WSW B
28	3724	Acutatus	Coongola, Colosseum, N.C. Line
Sep 6	3726	Aepyprymnus	Central Kerry, via Beaudesert
Oct 4	3735	Sm. crass.	Toowoomba
Oct 24	3737	Acutatus	Horse Creek
1923 Mar. 21	3784	Hydromys leopardus	Dinna Ck
	3785–90	all Dinna Ck ~~Epi~~ forms	
	3798	Tachyglossus	Rockhampton
Ap. 14	3800	M. parvipes	Westwood

3813/5	M. gigantea (skull)	Old Cashmere, Mitchell, S.W. Q
3816	Ph. cinereus "	"
3822	D. rowlaki	Zillmere, Subport n. Brisbane, Q.
3824	Ph. minutissimus	Rossa
3826	M. dorsalis	Woonie R. St Berg. Dist
3832/3	Ph. cinereus	Bowen
3835/6	R. coratus Typhlops	Cuman R.
3839-40	M gigantea	Meroes, W.Q, nr Mitchell
3842/5	M dorsalis	Darling Downs.
3850	Tachyglossus	Boorah (no. 3845)
		Buderim Mt., Q.
3853	D. fallacetus	Maroochy R., Yandina
3855	Tachyglossus	Bellina Sta, S. Q.
4004	Tachyglossus	Toorilla, via Rockh.
4006	M. lifus	Julia Ck
4009	Tach.	Rossa
4024	Chal. gouldi	Old Cashmere, Mitchell
4032	Ph. minutissimus	Tamaree, nr Gympie
4064	M erutescens	Hughenden Dist
4069	S. flaviventris	Cowan Cowan, Moreton Isl.
4072	Petrogale godmani	15 mi E of Mein
4074-6	Rattus yorgi ~~Paratym~~	Cowan Cowan, Moreton Isl.
4082	M. agilis	Eutanangee, Cairns Dist.
4091	M. gigantea	Lalor Isl., Moreton Bay
4100	Dactylopsila	Tolga
4101	"	Yungaburra
4102/3	Petro pumpuncelli	50 mi. nw of Dajara
4105/6	Ph. minutissimus	Purga, Q
4109	M gigantea	Stradbroke Is.
4110	M chalcitus	"
4113	M agilis	"
4123	P. bicincta	Tambourine Mt
4199	Acrobates	Gillingstown, 33 mi n. Townsville
4165	M. gigantea	Gilbert Range, via Hughenden
4166/70	M chalcitus (variety of colors)	" "
4196	M thetis (skull)	Burleigh Heads, S. Q
4208/4212	Belomys nitida	Bunda Cay
4214	Pseud. australis	Lake Galilee, N. Q.
4215	" patrius	Walsted Belyando Thompson Rivers
4237	Mystis australis	Kangaroo Pt, Brbne

4238.	Trimiopterus schreibersii	Kangaroo Pt, B'bne
4239	Sminthopsis "leucopus"	Spur of McPherson Ra. (Parish of Witheren).
4270/1	Ptaseogale	" "
4272	Pet. semisens	Oxley, 10 mi SW of B.
4285	" "	Legume, nr Killarney, NSW.
4290	Trichosurus caninus	Woodford, Q
4291/2	Pet. longicaudatus	Nanango
4296/7	P. volans	W. Boree, Kingaroy Dist
4298	Mac. rufiventris	" "
4299	" wilcoxi	Mt Stanley, Kingaroy Dist
4318	Isoodon macrura	Eagle Junc., Brisbane
4323	M. tetra	Mt Stanley, Kingaroy Dist
4324	M. dorsalis	" "
4328	P. volans	Kingaroy Dist
4333	Tachyg.	Ash Grove, Q (Brisbane NW)
4337	Hydromys	Toowong
4336	Acrobates	Tamborine
4338	Min. schreib.	Stanthorpe
4339	Das. maculatus	Tamborine
4345/7	Acrobates + 2 yg.	Capalba, Cleveland Rd.
4355	Sminth. crassicaudatus	Mitchell
4356	Ptaseolactes	"
4631	Megadema	Olsens Caves, Rockh.
4622	T. vulpecula	"
4374	Ph. minutissima	Bigerden, Q, 150 mi NNW B.
4389	Acrobates	"
4395	M. nalabatus	Stradbroke
4409	Nyctipt. thoresensis	Kuranda
4411	Isoodon macrura	Enoggera
4412	Syconycteris	Townsville
4418.	Acrobates	Rudlo, Q
4429	M. rufus dissimilis	St George Dist, Q
4430	Acrobates	Canungra, Q (Valley 30-40 mi S. B.)
4447	Pet. longicaudatus Paratype	Groote Eil
4448	" wilkinsi "	Roper R
4450	Nyctimene tryoni	Mt Molloy
4460	Ptaseolonycus jeni	King Is, Bass Str.
4468/9	Pet. celsus	Armidale, via Charleville
4471	Min. schreibersii	Townsville
4472	Chal. gouldii	Cardwell
4473	Scot. greyi	Rockh.

4476	Petrogale penicillata		Porcupine Gorge, Hughenden
4482/4	Onychogale fraenata		Scalpers Island & Mordialloc
4508	Das. rufiventer		Goobarrum, Bendeby Dist
4518	Pt. lan. rufescens	Paratype	St Georges R., N.S.W
4519	Pet penicillata	"	Tochers Cr.
4520	" herbertii	Paratype	Eidsvold
4521	" penicillata	"	King River, N. Terr.
4522	Ps. lan oralis		Bloomsbury, C Q
4523	Das. tallianum	Paratype	C. Creek (Cape York)
4524	" " rufiventer	"	Groote Ei
4534	Phascogale		Yeaproon
4535	Sac. flaviventer		Homebush, nr Mackay
4536	T vulpecula		Townsville
4573	Pet penicillata		Mordialloc
4574/5	M. parryi		Gayndah, NNW 220 mi B.
4577	~~Kissing Pt~~ Das. tallianum		Kissing Pt Townsville
4578	" "		" " (8 yg in p.)
4580	Petrogale		Magnetic Is. Townsville
4581	Pt. penicillata		Townsville
4610	D. fraenatus		Oxley, Brisbane
4612/13	Pt. fraenatus		Brisbane R.
4627	Pet. penicillata		Seebung, Q (Brisbane 8 mi N.)
4638-40	M. rufiventer		Coomerbarbo
4641-2	S. flaviventer		Kinnoul, Brisbane (SW, 10 mi
4643	P. volans		"
4651	Nyct ~~tricuspis~~ geoffroyi		Beaconsfield, Lynwood
4652	Scotophilus geoffroyi or inflatus		" "
4666	Nelomys cervinipes		Stradbroke
4668	Phascol. ursinus		Toolbul Pt., Caloundra
4671	Trac. vellerosus		Amity Pt, Stradbroke Is
4672	Hydromys		" "
4693	Perameles nasuta		Innisfail
4695	Phas. penicillata		Taringa, Brisbane
4698	Smith cross 6 yg		Barcaldine, Lynwood
4699/4705	" "		" "
4706	Scotemanes geoffroyi or inflatus		" "
4708	Nyctinomus ~~rufiventris~~		Brisbane
4722	Trac. vilcacci		Burleigh Hds 60 mi S.B. 2A Q
4723	Pter. scapulatus		Gregory Downs, Burketown
4727	" poliocephalus		Brisbane
4738	P. volans var		Kirrama, Herbert R.

What? is it

Jackson and O'Sullivan
Courier Mail Bdg. opp G.P.O.

Balonne River

4740	Nyctim hyoni	Watalgan, N.C. Lin
4754	Chal. nigrogularis	St George, S.W.Q.
4765	Ptas. pen.	Oldesley, Brisbane
4778	Smith cras.	Boonton Sta. St George
✓ 4781/2	Trich caninus	Cabor Ture, 30 mi. W. Brisbane
4784	Isodon	Louis Jail
4812	P. assimilis	Tamborine
4813	" lutiolus	"
4817	Potorous tridactylus (fry. skull)	"
4820	Das tallucata	Townsville
4826	Acrobates	Gin Gin, Q (Gympie)
4830	Ps. pencc	Camp Mtn, S.E.Q, 20 mi W. B.
4831/2	Onychogalea fraenata	Dawson R.
4833	" frenata	"
4834	" lunata	"
4838	Potorous 3 dact. (vic. skull)	Macrorchydore, S.E.Q. east 80 mi. W. B.
4839	paradoxus	Telemon, Beaudesert 45 mi S. Bris.
4855	Ptn. scapul.	Coomerbolo
4863	Aepyprymnus	Rockhampton
4865	Petrog. assimilis	"
4868	Chal nigrogularis	St George,
4882	Ps. lan ovalis	Rockh.
4889	Aepyp.	Coomerbolo
4890	M. wallabatus	"
4891/2	Pet. penicillata	"
4893	M. parryi	"
4902	Perameles	Mackay
4907	Isodon	"
4947	Eptesicus pumilus	Stanthorpe
4967	Phal maculatus	Dilkra Isl., 15 mi fm Savaii
4975	Smin cross	Dalmeth, Ilfracombe SE Tapue
4978/83	Sminthopsis leucopus (?)	Barcaldk, Laynock
4999	Nyctim australis	Toowoomba Brisbane
5001	Scot. rufipelle	" "
5009	Acrobates	Wallumbilla, S.W.Q
5015-8	Chal. sylvatica	Cleveland, 25 mi S.E. B.
5028	Per. myosuros	Nullarbor Plains, S. Aust.
5047	Phascol.	Springsure (in cave near)
5061	Acrobates	Bonal, nr Ipswich
✓ 5075/6	Trich vulpecula	Alice Springs
5078	Aepyprymnus	Enoggera, Brisbane

	5081	Dasyurus hallucatus	Berserker Ra. Yeppoon
	5113/6	Pseudomys delicatulus ?	Barcaldine, Leyrach
	5168	Tachyglossus	Mont ville, 70 mi n Brisbane
	5173/4	Sminthopsis (alc.)	Julia Creek
	5186/8	Petrogale penicillata	Portland
	5189/90	M. robustus	"
✓	5192	T. vulp.	Cowarbolar.
	5218	Phascolarctos	Woodford, 50 mi nnw B.
	5222	"	Gympie, 80 m Brisbane
	5236	Tachyglossus	Maxwelton, Cloncurry Line
	5264	N. tryoni	Rockhampton coast
	5272	P. gouldii	Palm Isl.,
	5273	P. scap.	"
	5274	Nyct bifax	"
	5275	Hydromys	"
	5314	Nyctimene tryoni	Cooroy
	5331	Acrobates	Tambin, Callide Valley
	5349	Bilby tails	Mulligan R
	5383	Sm. cras.	Hewitt, Quilpie
	5387	D. maculatus	Stanthorpe
	5389	Pet bunciper	Nanango
(1932)	5392	Acrobates	Pechey, Toowoomba
	5422	Phascolom. mitchelli	Stanthorpe
	5431	Acrobates	Kilcoy
	5433	Nyct morpethiae	Bris
	5442	Tachygl.	Sunnybank
	5459	Smin virginiae ??	Garomna, Julia Ck
	5461/2	Acrobat	Mil End, Warwick
	5474	Macrod. gigas	Cameron
	5476	Eptesicus darlingtoni	Macpherson Ra.
	5483 } 5486/7 }	Phas. ursinus	Bunya Park, Dalby
	5576	Tachyg.	Woodford
1934	5609	"	Blackall
	5631	Chal. gouldi	Maleny, SEQ
	5647	Chal. flaviventris	Cotton Vale, nr Cooloola, SQ
	5672	Pet sciureus	Camp Mtn
	5708	Smith murina	Rockhampton (Mt Nebo Rd)
	5728	Acrobates	Camp Mt
	5732	P. volans	Toowoomba D.D., SQ
	5749	Phascolarctos	Range, nr B.
	5774	Miniopterus australis	Rockhampton

5780	D. MACULATUS	NOGO JUNCT, CERATODUS S.E.Q.
5804	ACRO.	POMONA N.C. LINE
5808-13	MACR. RUF.	TELEMON STA. Bunkleset N.W.Q.
5825	PSEUDOMYS CF PATROS	HELSEY CR PROSERPINE
5835	PHAS. PEN.	NUMINBAH VALLEY S.E.Q.
5838	TACHY.	ALBION (BRISBANE)
5843	PHAS. FLAVIPES (9 yg)	CLOSEBURN via DAYBORO
5861	DROM. UNICOLOR	LAM. NAT PK. (O'REILLY'S) S.E.Q.
5873	ACRO.	NANANGO
5884	TACHY.	BOWEN HILLS BRISBANE
5885	HYPSI.	YARRABAH
5898	SMIN. LEUCOPUS	NUMINBAH via NARANG
5913, 14	" MURINA	HAZELDENE via KILCOY
1936 5923	SCOT. GREYI	"RUTHVEN" - ISISFORD C.Q.
5928	SMIN. MURINA	SPLINTER CR. BANCROFT (BURNETT R.)
5931	ACRO.	INGLEWOOD
5932-4	"	GREENBANK (NEAR BEAUDESERT)
5938	PSEUDOMYS M. FLAV.	BARCAROLE
5952	MACRODERMIA G.	PALMERVILLE, P. RIV. C. YORK
5967	ISO. MACR. (SKULL)	IMBIL S.E.Q.
5971	M. WILCOXI	EMU VALE via WARWICK
5987-92	GYOMYS BERNEYI	BARCAROLE
5997	NOTOMYS A. REGIN. (HOLO-TYPE)	"
6012	PHASCOGALE MIN.	RYWUNG W.L.
6013	ACRO.	GURGEENA via GAYNDAH
6045	PHASCO. FLAV.	TEWANTIN S.E.Q
6059	ACRO.	COOROY
6067	NYTI. NORFOL.	WINDSOR, BRIS.
6080	PHAS. MIN.	BALLENDEAN S.Q.
6096	PHASCOLARCTOS	BOWEN DIST.
6098	ONITHO.	PINE RIV. S.E.Q.
6144	RHINOL. M.	TAMBORINE MT
6184	NYCT. GOULDI	RETRO, CAPELLA Q.
6203	PHAS. MITCHELLI	MITTAGONG N.S.W.
6239-40	WOMBAT	EPPING FOREST STA. CLERMONT DIST.
6242	PHAS. FLAV.	UPPER NERANG S.E.Q.
6248-50	HYPSI.	MT. MOLLOY
6251	P. PERE. (2 PH. yg.)	MT SPURGEON
6257	PETRO. PENIC. (?)	CARNARVON RANGE CLYDE CREEK
6267	PHAS. MIT.	BET STANTHORPE + WALLANGARRA

1937

1938

1938

6281-2	RAT. LUTRE. ~~MT~~	MALENY S.E.Q.
6283-4	WOMBAT	EPPING FOREST
6320	AEPY.	SANDHURST, FERNLEES C.Q.
6339	DACTYL. (SKIN) (WATSON)	TEL. STA. CAPE YORK
6345	PTER. CONSP.	MT. SPURGEON
6346	MINIOP. SCH.	CUNJEBOY MT. GARNET
6347	RAT. ASSIM.	MT. SPURGEON
6349	UROMYS	" "
6350	PERAM.	" CARBINE (?)
6351	PT. VOLANS	" SPUR.
6352	PT. AUST.	" "
6354	PS. ARCH.	LAKE BARRINE
6355	PS. LEM.	DANBULLAN
6356	PS. HERB.	EVELYN
6357	PS. PER. ("IN ORIG. SENSE")	MT. SPUR.
6358	PS. L. INCANENS	MT. "
6359	AEPY.	" "
6360	MAC. STIG.	" "
6361-2	PETRO. INOR.	" CARBINE
6368	POT. TRIDAC.	TERROR'S CR. S.E.Q.
6375	PETRO. PUR.	QUAMBY
6376	PS. LAN.	BRISBANE DIST.
6378	HYDRO.	MULGELDIE, nr Eldorado
6395	PHAL. MAC.	COEN (LONE PINE ZOO)
6409	ACRO.	PT. RDS.
6411	D. HALL.	CLERMONT
6412	NYCT. NORF.	MALBON
6413	EPT. PUMIL.	QUAMBY
6414	" "	PENTLAND
6415	TAPH AUST.	QUAMBY
6419	MAC. PARRYI	INVUNE
6420	P. SCIURIUS	BROOKFIELD BRIS
6422	"	NORTH TAMBORINE
6424	NYTI. NORFOLK.	GLASS HOUSE MTS.
6449-50	PTERO. SCAP.	P. OF W. IS., TORRES ST.
6467-8	TAPH. FLAV.	PLEASANT PK., DALBY
6475	POT. TRIDACT.	KIAMBA (NEAR YANDINA S.Q.)
6479	SMIN. CRAS.	OLD CASHMERE, ST. GEORGE
6480	PHASCOLARCT	PENTLAND
6498-99-6500	LEG.	COEN

1938

6509-10	PTERO. GOULDI	COEN
6513	SYCO. AUS. (?)	ROCKY SC. (PEACH R.)
6514	PET BREV.	SOMERSETT
6515	MINIOP. AUS.	PT. STEWART
6516	ANTECHINOMYS LANIGER	MALBON
6532	NYCT. NOR.	BOWEN HILLS, BRIS.
6539-52	TAPH. GEOR.	CLONCURRY
6553	EPT. PUM.	"
6563-7	MINIOP. SCH.	PENTLAND
6569	AEPY.	YABBA CR. KENILWORTH S.E.Q.
6571	EUD. (+ NEST)	NEAR JORDON CR. (W. PALMERSTON AREA VIA INNISF.
6618	SMIN. CR.	TITARGOMINDAH S.W.Q.
6624	HYDRO.	MULGOWIE VIA LAIDLEY S.Q.
6640	PH. FLAV. (7 YG.)	BINNA BURRA VIA BEECHMONT S.Q.
6657	TACHY.	SOUTHPORT
6679	PHAS. PEN.	CUNNINGHAM'S GAP - MAIN RANGE
6710	MAC. WELLS. (SKIN)	STRADBROKE IS.
6711-15	RAT. VILL.	BOULIA (1940)
6717-24	" "	"
6740	ORNITH.	WIDGEE CROSSING S.E.Q. (MARY RIV.)
6757	ACRO.	HIVESVILLE, PROSTON S.E.Q.
6761-3	MELOMYS CER. (W 2 YG.)	BEECHMONT S.E.Q.
6789	PHASCOLACTOS.	MOONEE RIV. (S. OF TARA S.W.Q.
6790-92	MEL. CER. (W. 2 YG.)	HAZELDEANE, KILCOY S.E.Q.
6822-24	HYPSI.	LAKE BARRINE
6829	"	HERBERT GORGE
6832	"	PALMERSTON SCRUB 20 MI. W. INNIS.
6835	HIPPO. REG.	LK. BARRINE
6848	LAGOR. C. L.	COOMOOBOOLAROO, DUARINGO, Q.
6852	DACTYL.	RAVENSHOE
6866	ACRO.	STRADBROKE IS.
6874	PETAUR. VOL. (1 YG.)	WOOMBYE N.C. LINE
6886	PHAS. PENIN.	CLIFTON, DARLING DOWNS
6902	P. SCAP.	ANGOR (NEAR CHAR. TWRS.)
6903	SACC. FLAV.	GORINDI (G.N. RR.)
6923	PHAS. FLAV.	TEWANTIN S.E.Q.
6939	MESEM.	DARWIN N.T.
6940	ISO. TOR.	YERONGA, BRIS.
6963	NYCT. AUS.	MT. CARBINE
6981	PHAL. MAC.	BLUE MT. (COEN

1944

1945

1946
1947

7002	SMIN. MUR	(1 YG.)	MT. LARCOM
7011	EUDR.		MT. SPURGEON
7019	SMIN "		MILLBANK, KOGAN, WARRA
7023-6	ISO. OBES.		BRISBANE
7052	NYCT. AUST.		TAMBORINE MT.
7078	PETAUR. V.		RD. FR TOOWOOMBA TO GATTON
7118	PHASCOL.	(SKULL)	CAMP MT.
7121	MAC. PAR.		ESK
7122	ACRO.		SALT BUSH PK, ST. LAWRENCE Q.
7129	SMIN MUR.		NT. TAMBORINE MT
7130	CHAL. GOULDI		BINNA BURRA
7137	ACRO.		GATTON S.E.Q.
7138	D. HALLUC.	(?)	DA GUN, MARY VALLEY LINE LAGOON POCKET VIA GYMPIE
7143-4	PHAS.		MT. SPURGEON
7145	UROMYS		"
7146	MELOMYS		"
7186	MAC. GIGANTEUS		BLACKALL
7198	PET. NOR.		CORINDA, (BRIS.)
7200	PHAS. PEN.		MOGGILL (N. BRIS.)
7207	ANT. FLAV.		WOOMBYE (N.C. LINE)
7253	ANT. "		BEERBURRUM S.E.Q.
7303	ACRO.		DECEPTION BAY S.E.Q.
7306	SMIN. CR.		JACKSON, W.Q.
7310	PERM. N.		CHELMER, BRIS.
7317	NYCT. TIMOR		THE SUMMIT VIA STANTHORPE
7324	PET. NOR.		MT. GRAVATT, BRIS.
7326	PS. LANIG.		OXLEY, BRIS.
7341	TACHY.		GUYRA N.E.N.S.W.
7342	P. NOR.		ASHGROVE BRIS.
7343	"		MT. COTTON S.E.Q.
7348	ACRO.		ELIMBAH S.E.Q.
7353	MICRONOMUS NOR.		WOOLOOWIN BR.
7355	ANT. FLAV.		BEAUDESERT S.E.Q.
7356-7	P. NOR.		TEXAS S.Q.
7360	ORNITHO.		N. PINE RIV. S.E.Q.
7385	SMIN. MUR.		TINGOORA S.Q.
7386	MINIOP. AUS.		HOME HILL N.E.Q.
7402	SMIN. MUR.		LOGANLEA S.E.Q.
7405-6	" CRASS.		WALLUMBILLA CENT. S.Q.
7407	SMIN. MUR		TEXAS S.Q.

Postal Guide

H.E.C. Robinson, 221 George St (lyr)
Bookstall Co. Market + Castlereagh (uplim)

7409	HYDRO.	IMBIL S.E.Q.
7411	PTERO. G.	T.I. TORRES ST
7412	SCHOIN. V.	CABOOLTURE S.E.Q.
7413	ACRO	BEERWAH S.Q.
7415	RAT. LUTR.	BINNA BURRA

Notes on reconnaissance trip continued from prior to above list.

Wed Oct. 20 continued. The copying of catalogue occupied several days — was not completed till Saturday.

The other members of the party still here. Their boat not due to leave till the 26th. Mack, of Museum, very pleased with his (Vernon's) share of the results of the trip.

Thur Oct 21, Fri Oct 22, Sat Oct 23 } Working in museum + arranging my transportation. Am flying to Sydney by Ansett Airways monday. Q.A.A. wire they have booking for me on the 27th at 11.59 pm.

Was very busy taking trips to the country + making Kodachrome pictures. My shoulder, while I strained when tossing boxes into the baggage car at Rifle Creek, is still very annoying. — sometimes positively painful.

Van + I attended meeting of the A.O.U. Saturday pm. Quite good.

Sun. - Nothing special.

Mon Oct 25 Plane to Sydney, leaving 7.45, arriving 11.30 am. Chked in at Pan American + got rm at Grand Central H. Saw Walkom + Troughton at museum in afternoon. Got air ticket for U.S. a Wednesday night at midnight (continued after many pages on notes from Aus. Mus. registers).

OCN

From mammal catalogues at Sydney.

The catalogues are in 4 series :-

1. The "old" Palmer catalogue, mixed style, containing
   1. "Australian mammals" no. 1 - 1153
2. The "A" Catalogue
   1. Mixed organisms, pp 1-91 (June, 1877), unnumbered.
   2. "A" numbers begin on p. 92 - #1 - 6625 (mixed collectors).
3. The "A" catalogue continued :-
   1. Nos A 6626 - 19026 (Oct. 1883) mixed
   2. Beginning the "B" catalogue nos 1 - 1254 (March 1884). mixed
4. The "B 2" catalogue
   1. Nos 1255 - 10435 (Dec. 1886) mixed

5. The "M" (mammal) catalogue
   1. Nos. 1 - 7239 (Nov. 1946). vol. 1.
   2. " 7240 to date (Oct. 1948). vol. 2

There is also the condensed book under species done from the card catalogue

---

M. gigantus Lachlan R. NSW; Coombie; Boro, Braidwood Dist.; Bourke Dist.; Blue Mtns; Blaxland Swamps, Lithgow; Warwick, Q; Inverell, NSW; Cranbrook; Parkes; Surat, Q; Tasmania; Coolong Yerranderie; Mudgee; Armidale Dist.; Newnes; -

M. melanops Tasmania;

M. fuliginosus Kangaroo Isl.

M. robustus Lithgow; Blaxland Swamp, Lithgow; Pinda Murchison; Oaky Creek, Bonalbo, N.S.W.; Buckawo, Mudgee; Scone; Armidale; Coolong Yerranderie; within 12 mi Cooktown (no. M4606); Berbewera Cre, nr Sydney; Glen Innes; Tattai R. valley, 20 mi Picton

races :-

Yalgro, Murchison, N.W.A.; Frasu Ra., S of Nozeeman, SWA;

Great Ranges, Kimberley

Adel's Grove, S of Lawn Hill Sta, N. Q.,

Terrocky Sta, Diamantina R.; Crystal Brook, S.A;

Hermanstadt, C.A.; Burketown, NWQ; Yalarouna, mi Charleville.

Lagostrophus fasciatus Pimo. 1094

M. rufus Bourke Dist; Blue Mtns; Ashburton R, W.A.; Cooramble; Widgiewa; Boggabri; Gurby nr Morse; Oban Stn Ashs Mt Gra & Urardyrie, N.Q.

M. rufiollis Braidwood Dist; Littgow; Boro; Blue Mts; Blaxlands Swamp; Gundaroo; Wallerawang; Thirroul; Bulliac, Barrington R.; Mt Horeb, Tirroul Dist; Tamworth; Tilliby, Wyong Dist; Nattai R., Burragorang; Corlong, Yerranderie Dist; Newnes;

M bennettii Lady Barren, Flinders I, Bass Str; Wyngard;

M parvipes Clarence R.; Grafton; within 12 mi Corkerton (M.4607); Dawson Val.; Copmanhurst; Sarina, nr Mackay.
P.#997

M. antipodum Pt Darwin

M bernadus S Allyalin R (Kent); E of Darwin;

M. bechei Jenolan Caves; Wallerawang; Mudgee; Murrumbidgee; Yarramalong, nr Wyong; Doonalong, Wyong; Mt Irvine, Blue Mts; Bush Creek, Wallondilli Dist; 85 m. Syd.

M apicalis, ingrami. Bellenden Ker; Wallumbilla nr Roma, SQ; wellsleyi Stradbroke Is.

M. cajki Pt Essington; Sitbury R, W.A.; Corkerton; Burketown; Adel's Grove, S of Lawn Hill Stn., N.W.Q.

M. billiardieni Flinders Is Bass Str; West Sisters I. Bass Str; nr Hobart; Hummock Is, Bass St; Burnie, Tas.

M dorsalis Mainilla;

Setonix brachyurus King R., 10 mi Albany W.A; Princess Royal Bay; Normanup, near Denmark, SWA.

M. irma, Cranbrook; Emu Pt, Albany;

M stigmatica Bellenden Ker; Herbertn Dist; L. Barrine;

M. parma, Wollongong, S. coast (1025-); Cantawarra; Sassafras.

M. wilcoxi Ballina, Richmond R.; Murrumbidgee; Wyong, nr Sydney; Bush creek, 20 mi from Wyong.

Pos. eugenii Kangaroo Isl.; Narragin, SWA; Ballidonia, via Norseman, W.A.;

Pn Thetis Wollongong (1025) (T note: ck for parva); Bellinger R, Nevert; Bullie, Barrington R.; Myall Lakes; Tillilly, Wyong Dist; Huon Brook, Mullumbimby, NSW;

Pet. penicillata Cambawarra, S. Coast; Lithgow; Wheeny Ck, Richmond; Colo River; Mt Irvine; Bowsh Creek, Wollombi Dist, 85 mi N. Syd.

Pet x altropa Port Augusta, S.A; Megarattena Sta, Geraldton, NWA.

Pet latreilii Kokkapin Rock, 20 mi Kellerberrin, W.A.; Herrarns Bay.

P inornata Magnetic Isl.; 12 mi SW Mt Isa

P herbertii Westwood, Rockhampton Dawson R; Alice Spg?

P puella Torrens Ck,

P. pruinosa Dajara (m 3405 Holotype)

P celeris Teraby Sta., Diamantina R.; Blackwater Ck Adavale, SWQ; Gray's Ra., N of Adavale.

P tachyotis Alligator R

Onychogalea frenata Wagga; Cobar; Glen Innes; Granville Dist; ~~Belmore~~ Namoi R.;

Aepyprymnus Marilla; Bullie, Barrington R.; Dawson R Valley; Bulla Isl, L Macquarie; "near Corktown"; nr Townsville

Lagorchestes c leichhardti W of Bourketown; Type # 1103 ♂ (1861)

Lagorchestes hirsuticaudatus Yandembah, NSW.

Potorous platyops Salt R., SW. A.

Pot. tridactylus Bellinger Dist; Bullie, Barrington R.;

Aepyprymnus rufescens Bloomfield R.; "Corktown;

Hypsi moschatus Palmer no 1135
A no. 9813

Trich vulpecula Nelson; Herbert R, Q; Tarana; Balline, Bangs R.; Toolilli, Spencer Gulf; Kremington, nr Sydney; Kangaroo Is S.A; Carss Pt, Kogarah Bay nr Sydney; Hambrook (17 mi); Quirindi; Mt Horeb, Tumut Dist; Berwina (2200 ft); Warrafield, Vic; Flinders Is Bass Str; Pennant Hills, nr Sydney; Mickelabry, 28 mi e Tumut; Gladstone Dist Q; Alnadem, N.Q.; Killara, Syd; Yanco, Murrumbidgee R; Nattai R., Bungonang; Gympie Dist; Terry Hills, Kurrigai Chase; Bryllinle-sands, Syd; Vaucluse, Syd.

T. v. arnhemensis Pt Darwin; Bathurst Is.; Melville Bay

T. v. johnstoni Bellenden Ker; Herbertn; Alnadem (arnhemensis?);

T. caninus Glen Innes; Gloucester; Mt Irvine;

T. c. nigrans Tweed R.

Ps arcteri Balker; Herbertn Dist.

Ps blanfordi Herbertn Dist

Ps occidentalis Nornalup, nr Denmark, S.W.A.

Ps peregrinus Murwillumbah; Chatsworth; Narrandera; Coen; Sutherland; Mt Horeb, Tumut Dist; Dawson Valley, Q; Mosmans, Sydney

Ps canigrinosus Tryall Lakes; Dungog; Jindabyne, Monaro Dist; Tumut; Cooling, Yenserdin; Argalong, via Tumut; Mt Lofty, S.A (M4838); Fitzroy Valley Q; Yanco, Murrumbidgee; Cheltenham, Syd; Nattai R, Bungonang; Mt Irvine; Eastwood, Sydney.

Ps l. oralis Kelsey Creek, Rosenpine

Ps l. victoriae Westernport, Vic.

Ptal. mac. Cape York Pen (no. M4667)

Dactylopsila pic. Russell R; Clump Pt, Townville; Holroyd-Kendall Jctn, N.Q.; Tully R nr Caldwell; Bellenden Ker.; Cape York (no. 568); Abergowrie, Cardwell;

Monicia nana(?) North Head, NSW.

♂ ♀

Sch. volans Herberton Dist, NQ (M 362-3, type of cinereus); Tumberrumba; Helensburg S coast; Port Macquarie; Bowral; La Perouse, Syd; Micalong, Tumut; Dungog; Myall Lakes; Rylstone; Dawson Val Q; Moss Vale; Corlong, Yerranderie; Burragorang; Bundook, n coast; Smithfield, nr Syd.; Caroda, via Bellinda; Braidwood; n of Sin Sin Q; E Kangaloon, Bowral Dist; 8 mi SW Kosciusko; Burragorang, Syd; Gosford; Mt Irvine; Eccleston, below Barrington Tops;

Pet australis 30 mi from Picton

Pet leucopus Tully R. Q; Bloomfield R; Jenolan Caves; Upper Orara R.; Ourunda; S. Alligator R.; Coen; Bowral; Raillton, Tas; Berrima; Bathurst Isl. nr Darwin; Gosford; Talroi 30 mi Moree; Mulgoa, nr Penrith; Bulli Dist; Argalong nr Tumut; Moss Vale; Corlong, Yerranderie; Hargraves; Bombala; Nat Pk Syd; Geroogery, 80 mi from Albury; Lindfield Syd.; Camden, Syd; Blackheath, Blue Mts; Moore Pk Syd.; Minore via Dalto; Jervis Bay Syd; Midelago, S.A.; Port Hacking, S. Syd. Tarramurra; Engadine; Cape Arnhem, N.T.; Tyalgum, Tweed R.; Blue Mts.

Pet scirinus Jenolan Caves; Bega; Smithfield; Bulga via Singleton; Cooroorow, Rockhampton; Dawson Val 65 mi nr Taroom; Casino; Wyee nr Syd; Cypress Dist; Yetman s of Goondiwindi.

Acrobates pyg. Smithfield; Berkham; Bombala; Hornsby; Belltrees, Scone; Parramatta; Gayndah, Q; Marrangaroo; Braidwood; Uralla; Camden; Revesby nr Bankstown; Newrees Jctn; Cox R, Lithgow; Portland; NSW Coonabarabran; Lindfield; Avondale, Burragatti; Hartley; Pymble, Syd; Martinsville, L. Macquarie Dist; Glen Innes, Balgowlah, Syd; Bylong via Rylstone; Ashford via Inverness.

Peram. gunni Raillton Tas;
" rayosumus Salt R., W.A.
" m. victoria Stites, Inverloch Plain; Coldea; Rawline

P. rosalia Herberton Dist Q; Parramatta; Tarana; Backley's Crossing; Jenolan Caves; Quirindi; Lindfield; Killara; Nepean + Wanaparta R Jctn; Gladesville; Northwood, Sydney; Dawson R Val; Longueville, Syd; Montrille, Palmwoods, via Brisbane; Upper Bankstown Syd; Lorraine, Syd; Palmwood, S.E. Q., Mosman, Syd; Killara, Syd; Ryde, Syd;

Isoodon obesulus Pine Hts, Q; Botany Swamps; Lithgow; Cranbrook, W.A.; Berry Hts, Albany SWA; West Sisters Is., Bass Str; So. Portland, Vic.

Isoodon Hinchinbrook Is. Holroyd Kurbell Jctn

I. macrurus Cape Arnhem;
I. torosus Herbert R.; Cooloyne; Berry Hts; Hunbrook via Mullumbimby

Macrotis lagotis Bathurst Type; Grovegal, 43 mi s.w. Lue (1898) Gracefield, W.A.; Cranbrook, W.A.; Corrigan; W.A. Tenterden, Gr. So. Line, W.A.; Rainbow; Coombie

Ch. l. sagitta Hermannsburg, C.A.

Phascolarctos Boro, Braidwood; Cambewarra; Wallawang; Bellingen Dist; W. Maitland; Hampden, 9 mi Mackay; Botany Bay, Syd; Dawson Val.; French's Is., Vic.; Daybrook, Q; Pittsburn; Kuraiong; Clareville near Manly Vale; Berowra Waters near Syd; Careel Bay; Pittwater, Syd;

P. c. victor Victoria (M.5732 Holotype)

Thylac. cynocph. Tasmania (4)
Sarc. ursinus " (6)
Perameles fasciata Gracefield, W.A.; Hastings, W.A.; Cranbrook, W.A.

Das. maculatus Thirlmere; Wagga; Lindfield; Picton Dist; White Swamp, Old Koreelah; Argalong near Tumut; Wrixford, Blue Hts; Wauchope; Wangiree Mt, via Gosford; Millaa Millaa (M-6637); Paterson, N. Newcastle; Foxground via Berrigong

Das. geoffroi Bellinden Ku (M 155 Type); Moor Langford, near Gin Gin, Q.

Das. viverrina Colo vale; Goulburn; Lawson; Concord; Mosman's Bay; Kempsey; Waverly Syd; Smithfield; Clunore Pr; Tairua Pk (cumpt); Gladstone Dist NE Tas; Dawson Syd Val; Vaucluse Syd; Musselroe, NE Tas; Rose Bay;

D. geoffroyi Jerringup WA;

D. h. hallucatus Frackay

Dasycercus cristicauda Ooldea; Rawlinna; Ivitu, TA Lio.

Antech. flavipes Gerrodgerie, Borda; N. Stre Syd; Port Jackson (Type of stuarti); Manning R; Smithfield; Gum Flat, Inverell; Antonio via Rydal; Eltn; Pleasant; Koorawatha; Megalong Val; Buf Ck via Barrata; Nat PR Syd; Whitrock, 10 mi. Bathurst; Myall Lakes; Rocky Scrub, NQ; Grafton, Mt Hunt, Turnut; Pt Lorne 12 mi Eltn; Corlong, Yerranderie; Argalong, nr Turnut; Yeumburra, via Yass; Hermidale, Cobar Lake; Tomatt Cr., Corlong; Imbil, Gympie Dist; Mt Irvine, Blue Mts

Ant swainsoni Pt Lorne, 12 mi Eltn; Argalong nr Turnut; Arthur + Roper Rocks, NW Tas.;

Ph. minima West Tamar; Tas.

Ph. tapoatapa Kingsford; Bega; Mandurah; Yam Ck, nr Port Essington, N.T.; Beechworth, nr Wangaratta; Rubyvale; Tenterfield, N. coast.
Tate says Broadwater took it in NE corner Vic.

Ph. pirata Yarrkali, nr Cape Arnhem.

Ph. sp. M 2696 Widgiewa; M. 3787 Cottaworra

Ph. apicalis Salt R. W.A.

Sm. crassicaudata Widgiewa; Dunedoo; Mullaley nr Gunnedah; Tarwellup, W.A.; Macdonell Ra; Taylor's Plains, Narrabri

Sm. murina — King George Sound W.A.

Sm. larapinta — Charlotte Waters; Wyangarie, Richmond, NQ; Diamantina R. region;

Ant. langigi — 588 a —
588 b — NSW (Type)
588 c — Sir TA Mitchell
588 e — in spirit

M 1799 — Mioworra Downs, Mullengudgery NSW
M 621 — Walbundrie

Ant. spurcus — Rawline (M 4641)

Vespertilio Lasiurus — Blue Mts; Littgow; Batlow; Gippsland, Vic; Mt Dazzaugh, Cooma Dist; Mittagong; 14 mi Oberon, w Bathurst; Berrima; Jerrinja, 30 mi Port Hunter; Taralga; Berry;

Phascol. ursinus — Lady Barron, Flinders Is., Bass Str.

Nitoryctes — 250 mi n. Gr. Australian Bight

Ornithorhynchus — Tarana; Littgow; MacDonald R; Warrilla; Nanoi R; Nepean R; Inverell;
O. c. crispus — Ruellton, NW Tas; Bothwell Tas.

Tachyglossus — Narraban; Kangaroo Is.; Lake Cargellico; Roper R Mus N.T.; Mona Isl.; Lawn Hill Sta S of Burketown; Melville Bay + Cape Arnhem; Mt Kosciusko 4000 ft.
T. setosus — Tasman Archip; Flinders Is, Bass Str.

Arctocephalus doriferus — Seal Rocks, Pt Stephens; Montague Isl, S coast NSW; Lady Julia Percy Rock, Pt Fairy, Vic;
Arctocph. fosteri — Dunedin NZ; King Is, Bass Str; Recherche Archip; W.A.
Eumetopias albicilla — Lion Is., Esperance Bay, S.W.A.

Ogmorhinus leptonyx Manly NSW; Botany Bay;
Wollongong;

Hydrurga leo. Sydney; Lawson Ck, Moudgee; Tarara;
Narandera; Carleening Cre, Sydney; Pendwick;
Hen-Chicken Bay; Lagoon Pt, Parramatta R.; 25 mi s.
Mt Horeb, Tumut; Tumut; Condolobin; Liverpool;
Musselroe, NE Tas.; Islands Is Bass Str; Snowy
R., Mt Kosciusko; L. Macquarie; Eulaloy, W Lachlan
R.; Argalong via Tumut; Bombala; Turner, SE of
SA.; Mt Lofty Ra, S.A.; Jenolan Caves

H. c. lutrilla Goat Isl., Sydney Harbor (M 5723).
H. c. ryoni Aberfoyle nr Ingham; Cairns Dist.
H. c. fulvolavatus Bourke Dist; Condolobin;
H. fuliginosus King Geo Sound (Palm no. 121); Cranbrook,
W.A.; Judd, Denmark Line, SWA; Tormalup nr Denmark,
W.A.
H. leucogaster Campbelltown, NSW; Camden, Bringelly Dist;
Bathurst; Tarara;

Hydrurga. Yarderbah (M645); Pt Darwin (M2302); Hirichbank
Isl (M4338
H. Lawrensis Adels Grove, Lawn Hill Creek, NWQ
H. leptonyx Lake Burrin
H. weddellii Bathurst Isl., N.T.
H. mawae Moa or Banks Isl.
H. proteuscus Groote Eylandt
H. orientalis Mt Lamington Dist, Papua
Ommatophoca cundmanii. Cape York (Colyer Skull 5 1848 88, 89, 90, 64);
Bloomfield R; Tweed Holroyd & Kendall (coll Lesueur).
O. exilis Hirichbank Isl.
O. lamington Mt L., Papua; Dirodura, N.G.
O. stenini Hobart Dist; Belbedin Ker Ra;

Melaleuca barfieldii Dent Is.
Cooroora, Rockh. Dist (M 3784)

M. cawingensis Pt Lookout 12 mi E. Eton;
? { M 6730 Imbil, Gympie Dist Q.
M 6305, ~~6306, 6307~~ nr Rockhampton
M. 6306, 6309 56 mi Rockhampton
M 6551 Sarina, 25 mi Rockhampton
M 6553 Habana, nr Rockhampton

M. cuv. pallidus Hinchinbrook Is.

M. littoralis insularis Hinchinbrook I.

M. littoralis Port Denison; Ayr; Townsville; Innisfail;

M. cuv. ebrenus Herbertn Dist.

M. australis Bloomfield R

{ Babinda; Cairns Dist; "Intake" at Cairns;
Innisfail (?)

M. mixtus Groote Eylandt (Type + 2 paratypes only)

M. limicunda Hayman Is., Whitsunday Group (Type only)

M. rubicola (2 Bramble Cay)

Rattus assimilis Lithgow; Koscinsko; 20 mi S. Noura;
Buchanan Farm, 15 mi Kingscote; Blackheath;
Chichester, Dungog; Inyall Lakes; Atherton Tableland Q;
Eton; Iona Kredbo + Snowy Rs; Aryalong nr Tumut;
Wyong; Capertee; Emmamuna, S.S.; Nat Pk Syd;
Inglewood Q; 9 mi W Boullembinby; ~~[illegible]~~ Sanfras;
So Portland, Vic; Imbil, Gympie Q; Mt Irwin, Blue Mts;
Barrington Tops.

R. rattus (many) many mud examples;
Ps leggisi
~~R. gregi~~ Clelands Gully, Port Compass, S.A.; Arthur & Rings Rivers, N W Tas;
Birchmore Lagoon, 15 mi Ringcote, Kangaroo Isl.
Tulka, 8 mi S. Port Lincoln, Eyre Pen.

R. timoriensis dispar Alice Springs

R. mordax Richards Gap.
R. colletti Alligator R. N.T.

R. fuscipes + lutreola Darling Downs (Brookfield), Long Bay;
King George Sound W.A.; Richmond R.; Toowoomba; Pt Dalgarno;
Arthur & Rings Rivers, Tas;

R. l. imbil. Imbil Gympie

R. fuscipes Armidale; King Geo Sound; Bunbury

R. culm. valsicus Rowe

R. culm apex Skull Creek, Cape York

R. culm gregi Strathburn Isl.

R. coxatus Drysdale; Dockey; "Intake", Cairns;

R. lut velutinus Tasmania. (about 8 specimens).

R. lut carbonarius Mt Irvine, Blue Mts; Myall Lakes; Ebor;

R. l. lutreola French's Is. Vic (M4844).

R villosissimus Victoria R. N.T.; Templeton R, 17 mi S Mt Isa; 1934
Oban Sta, n of Urandaine, 1934 N.Q.; Avon Downs Sta, N.T.; (1934)
Alexandria Downs Sta (1934); Adel's Grove, on Lawn Hill,
N Q (1934)

Mesembrinus lissinki Pt Darwin 1910

M. macinnes Derby & WA;

Loomys pedunculata Alice Spgs; Illawarra C. A;

Mesembrinus freedi Cape Arnhem 1941

Cnemiornis pennicillata South Ey.

Lyperlis cordata Colden

" apicalis Darling R.

Drastazomys Pt Kosciusko; Beech Forest, Otway Dist Vic.

Pteropus kerandreni? = conspicillatus?

" scapulatus Yam Creek N.T; Broome, NWA; Gosford NSW; Wellington NSW; Inverell; Griffith; Sydney;

Pteropus phillipensis from Duke of York = Rousettus?

Nyctimene papuana Lucas Jasper, Gordon Ridge Bra NSW (M 3221)

" aplaloba Corktree (M 1244); Blumfeld R.

Rhinol. megaphyllus. Corktree; Almadan.

Hipp. d. reginae Cardwell (Type)

Macroderma gigas Groote Ey (M 5056)

Nyctophilus geoffroyi Todd R. 20 mi Port Lincoln, S.A; Manilla; Tumut; Tambellup, W.A.

" freedi Kosciusko 5000 ft; Cobar.; Yass;

" timorensis Timinis Denmark, SWA; Tambellup, SWA.

Pip. tasmaniensis Burwood, Sydney; Argalong; Berrima

Myotis adversus (macropus) Dyalgum, Dwed R.

E.f.t. pumilus Eidsvold, Q; Tulka, 8 mi Pt Lincoln, S.A; Tudor siding, Denmark Line, W.A.; Lindeman's Is., nr Bowen; Argalong, nr Tumut; Lord Howe Isl.; Balladonia via Nossernup, W.A.; Broken Ey.; Tambellup, S.W.A; 8 mi S. Mt Isa, NWQ

E.p. vulturnus Bicheno, E coast Tas.,

Chal. gouldi Tarana; Belarinyar; Mt Lyndhurst, 30 mi E, Darwin, S.A.; Smithfield, Syd; Berrima, 200 ft; Argalong, Tumut; Oolden, SA; Casino, NSW; Leura;

Ch. rosio Lithgow; Tambellup, W.A.

Ch. nigrogriseus Tyndale, Bourke; 20 mi nr Bandiri;

Ch. picatus Byrock;

Scotemanes greyi Victoria R., N.A.

Miniopterus sch. Woolomooloo; Glen Dessaigh; Chillagoe Caves; Prospect Reservoir; Elizabeth Bay, Syd.

Min Clarence R (M 2518)

M. orianae Darwin

Taph. flaviventris Stanwell nr Balli; Narrangi, Casino; Barren Jetty; Broken Ey.

Nyctinomus australis Cudal; Musselbrook; Elcando, Taree Dist; Wentworth; Casino; Whittingong; Mudgee (M 1181)

N. planicaps Wanaganta + Napean Jetty (Rivers)

N. norfolkensis Smithfield, Syd.; Gosford.

Chaerophon p. colonicus w Burkeltown; 8 mi S. Mt Dx.
Nur.
Oct 27 (cont'd from before the preceding notes).

Spent all Oct 26 at work on register & most of today. Expect to leave for U.S. at 11.59 pm.

—

P.S. Aust Hoelick who showed come into the Museum but Bob Miller, the ichthyologist of the Arnhem Land Expedition. It turns out that we are going out on the same plane tonight. He will stop off at Honolulu to visit friends.

G. H. H. Tate
1948
ARR. SYDNEY OCT. 25
(MONDAY)

IN SYDNEY
OCT. 25 – 27
(MON.) (WED.)

TO U.S.A. 11:59 P.M.
WED.

Spent time copying
AUST. MUS. CATALOGUE
(no mentions of photographs)

Trichosurus

One at Warlock from tree cut down by natives. Seemingly none at Brim's Creek. Six others shot at Warlock - all in open forest.

At Coen several were taken in the Armbrust paddock at about 8 miles out on the Coen-Warlock Road. The one female had 1 pouch young.

Shot one at "The Bend", another at Abergoolah.

I've seen by Buff in Lewis's store at Cooktown

One shot by Paul behind Hotel, Cooktown

Two shot by me at McLeod - Escape Junction, N.Q. & Mt Spurgeon

Mesembrinomys

A rather young male of this beautiful rat trapped at base of old blackwood tree (one of the few which have survived fires) at Brown's Creek. Morton knew them. Said they did not extend to "Tip" (Corktown, 10 mile).
The Seagren family claimed to know this animal

Leggadina.

A single example of Australian Native Mouse found by G. M. Tate under log near lagoons at Windsock in open forest.

Sub found in shallow burrows in fallow peanut field, under piled sheets of galv. iron at Seaspen farm, 10 mi out on Cooktown - Laura PR.

Pseudocheirus peregrinus.

A small series of Captain Cook's Ringtail was obtained - chiefly on "stringy-bark trees" - in the Armbrust paddock 7-8 miles from Coen on the Coen-Wenlock Road. All but one were females. The females had most of them a pouch young. The presence of this ring tail so far north of Cooktown is especially interesting. It is also noteworthy that this Pseudocheirus lives in "open forest".

One shot in "box" plain (open forest), McLeod-Escape Junction, NW of Mt Spurgeon.

Tachyglossus

None taken until Iron Range, though they were reported at the Tip as being moderately common on the crests of the scrub covered iron-stone ridges (200 ft). Tom Hollands stated he once came upon a group of four or five.

One was dug from a 2ft way hole beneath a very large rain forest tree at the edge of a shallow gully. Another was caught in the hollow base of a rain forest tree wedged in a cavity but had scarcely burrowed down at all. A third was found by Van & at Iron Range Airstrip entangled with wire netting. A fourth was spotted by Van at night (when hunting with the light). It looked at first like a hummock of weeds. It did not move ~~but~~ and was readily caught. The fifth was brought in by a native.

The platysma muscles are enormously developed and the bases of the spines are so deeply embedded in it that the muscle can be only imperfectly preserved when skinning the animal. There is no external ear - only a large meatus - yet large internal cartilages indicate the former presence of external cartilages.

Another was found for Queensland Mus by a dog close to the Iron Range Air Strip, & still another was picked up by my boy Roy in open forest at Iron Range up on a rather bare hillside. ~~Van found~~ George Nankervis found a small one in open country at Wenlock.

One picked up at night at Wenlock a few yards from Batavia R.

One shot by Van on Mt Finnigan at night at 2800 ft. One found crossing road by Geoff at Finnigan, 1300 ft.

We have seen no truly wild dasyure (May 19). Yet these animals at times make themselves quite at home with man. They live among the timbers of the R. I. P. wharf & feed on light over fish & bait. One (purchased by me) was caught by having an overcoat thrown over it. They are said to inhabit abandoned army huts, stacks of empty kerosine drums, & particularly to like old empty stoves. Dick Hollands insisted they fed on cockroaches. They appear to inhabit low, open forest; not scrub or rain forest. The male bought by me had eyes which shone well. The total taken in the "Tip" area was four — all. Sarcophilus laniarius. ~~Also~~ were in houses, one in an old iron barge stranded on the shore. ~~go Tazer~~

The next Sarcophilus were taken at ~~Jim Creek~~ and Brown's Creek where they were moderately common. They were reported from Portland Roads, that we did not secure any. Claws, apparently only matched by their own species, were found in the strongholds — also remains of lizards, centipedes, hairs, vegetation. The mammary formula is 4-4=8; the pouch color of a virgin female light purplish pink. At Brown's Creek two males were caught in two steel traps attached to a common stake. How? Did the second attack the first trapped one with cannibalistic intent and himself get caught also. Both were considerably bitten by morning. Van trapped one at Wenlock.

Two taken at Coen, — one trapped (very poor & emaciated), one from hollow log 8 miles n.w. of Coen.

Two trapped on bare open-forest hillsides at Helenvale.

One at Black Mountain.

Cuscuses.

At the "tip" spotted cuscus (maculatus), was only moderately common. We never got a fully adult male. The eyes shine brilliantly. The animals in habit scrub, rarely venturing out into "forest".

No gray cuscuses (orientalis) found at the "tip".

Iron Range proved to be ~~tight~~ rich ~~and~~ in Spotted Cuscuses. An excellent series of all stages in both sexes was secured.

Three brown (gray) cuscuses were collected at Iron Range. The Spotted Cuscuses were eating the fruits of the Leichart Tree, Naucleo of the Rubiaceae

Spotted Cuscuses were apparently rarer at the western side of the scrub: only 2 were collected.

Two brown cuscuses ~~shot~~ by Van at Shepherd's Battery Site, Peach River; also others taken by Don Vernon at same place. Pouch young in ~~pp~~.

Striped possum, Dactylopsila.

Van was the real collector of this animal. He shot all we took by patiently waiting in small scrubs for the animals to reveal themselves by noises. Their eyes shone rather well. As they were also taken in the "big scrub", it seems they prefer rain forest to open forest. In some cases they must have crossed open forest to reach isolated scrubs. Several were taken at Lockerbie, one at the sawmill scrub, one at the Newcastle Bay.

No Dactylopsila was discovered at Portland Roads, or Iron Range, or Mt Tozer, or Lockerbie.

A young Dactylopsila given Mrs Dixon by Miss Gabrielle Neuhäuser, was raised by the former. The mother, shot, is reported to have been taken a few miles below the town on the Coen River.

One adult shot by Van near "Mango Tree" top of McIlwraith Range - 1800 ft.

One shot in river scrub (banks of river in open forest) at Helenvale, 20 mi. S. Cooktown.

Acrobatics - Feather-tail Flying Phalanger.

Van first saw the eyes & later the white underparts of this tiny animal in a flowering bloodwood tree behind the belt of scrub at Newcastle Bay. He shot it but could not find it (at night). Next day hunting for it he shot a carpet snake under the same tree. The snake had an Acrobatis in its stomach. X-ray will probably show lead pellets inside. This capture marks the northern limit of the species.

Reported to occur at Iron Range in open forest.

One taken by Don Vernon for Queensland Mus. (♂) in the gallery flood forest at Shepherd's Battery Site, 800 ft, on Peach River. Caught in rat trap at base of very large tree.

Sugar Glider Phalanger – Petaurus breviceps.

None of these were found at Lockerbie; but Van & I each shot one at night, feeding in flowering blackwood trees behind Newcastle Bay. One had 2 young in the pouch.

Van collected 2 more at the mouth of the Lardinya River.

At Portland Roads one was shot in low eucalyptus forest; none at Iron Range; none at Tozer.

A juvenal from Wenlock (in alcohol: no. 11046); also two adults, one of them with 2 pouch young. One seen at Archer River. Two shot at Coen.

Said to be found at Laura.

One at Shipton's Flats, Mt Finnigan, 1000 ft.

Two at Aldridge Stn (25 mi., Cooktown–Laura RR)

Dingo.

Dick Hollands, of Lockerbie killed a large male dingo, accompanied by a yellow female, which had attacked his dog. He said it was dark along the back.

I saw two yellow dingos, one 10 miles n.w. of Townsville, the other between Hughenden and Chillagoe.

Occasional tracks at Iron Range, many more at Mt Tozer and Brown's Creek. One was seen crossing the Flying Strip at I.R. Trapping with 8-trap sets caught native cats but not dingos

Van trapped a fine female dingo on wallaby at Warlock, also saved skulls of 2 poisoned specimens. I saw two at Anton River.

One seen from train, Laura-~~Cairns~~ Cooktown, about 23 miles out of C.

Isoödon – broad-headed bandicoot.

The species, I. peninsulae (if any good!) is represented by 4-5 specimens. They inhabit the grasses of the open forest at Lockerbie. Its tracks which I saw on the sand dunes repeatedly, are curiously like those of our N. Am. rabbits. The forepaws are similarly placed one ahead of the other, but the hind feet do not pass ahead of the front pair as in rabbits. A very small one found in a carpetsnake.

One was picked up dead at Iron Range. Its color was pale rusty brown. A foot of a second was found by Van in a trap. At Port Tozer a single very young animal (not fourth young however) was killed by the blow of an axe by one of our "boys". No other was seen. The remains of a bandicoot in a crow's ~~crop~~ stomach at Brown's Creek.

One hunted out of a hollow log by a dog at Coen, taken 8 mi. n.w. of Coen.

Macropus agilis

Abundant, the stamping of the feet often heard, but, due to the very long grass at Lockerbie, hard to see — even with a hunting light at night. On the other hand in the short grass country by the Jardine River I shone their eyes easily.

I found no sign of the related M. wallabatus at the "Tip".

The hunter killed one at Naru Point in the "forest" sleeve which leads there from Lake Bronte.

It was common at Portland Roads and in the small pocket of "forest" at Iron Range. No specimen discovered at Mt Tozer (and no tracks). Two tracks + two seen but not taken, at Bromio Creek.

Two males at Wallock. Two seen a few miles outside Coen, their hip stripes conspicuous.

One shot at Abergoolah had silvery grizzled wash.

" picked up at Greenhills, Cooktown.

Thylogale stigmatica

The northern "race" (?) coxeni is not uncommon in the scrub growing on the iron-stone ridge (200 feet) above Lookeroy. One was picked up dead on the road close to the R. I. P. creek. Another was shot in the scrub at Nare Point camp.

Both at Portland Roads and Iron Range specimens were collected. A single one at Mt Tozer in the scrubs of the West Claudie River.

Two in Mt Finnigan scrubs, 1100 ft.

Rattus leucopus group

Extremely common in the scrubs on the ironstone ridges at Lockerbie and at the sawmill 2 miles to the NE. Rare at Nare Point camp — even in the scrubs. Not found at the Tarkine River camps even in the low ironstone ridge (in forest not scrub).

Old animals have a strongly rusty color, possibly due to accumulations from the ironstone in the channeled dorsal spines.

Females have the mammary formula 1-2=6.

Animals climb moderately, and can be trapped up on logs as much as 4 feet from the ground.

Much less common at Iron Range and Portland Roads. The rusty color of ironstone no longer noticeable.

Only a couple taken in the wet Tasser scrubs, where it was scarce. One only at Brown's Creek, where it is very rare.

Rattus l. coniatus taken in numbers in Rocky Scrub, 1500 ft east fall at Camp Oven Pocket (west fall of McIlwraith Range). Two at Shepherd's Battery Sidi, Peach R.

Rattus coniatus Large series of near topotypes from scrubs of Mt Dimiqan, 700-3200 ft, 30 miles S. of Corktown.

Rattus rattus culmorum and festii.
(R. c. apex Trinity Hill)

Rare at the "Tip". Its habitat open grassy "forest". Has become slightly more plentiful in the clearing in the immediate vicinity of Lockerbie House.

Females have mammary formula 3-3=12.

Males may grow very large — weight up to ½ lb. This species was not found at Newcastle Bay or at the Jardine River camp.

This must be rather a local rat, as several were taken at "Main Roads" camp, yet none in the grassland of Iron Range. None at Portland roads. Three were collected at Iron Range Air Strip in savana forest. Later we heard that this rat was becoming rather a pest around the Main Roads camp.

At Mt Tozer it was very rare. One at Brown's Creek. Rare there.

Found again (2) in long grass of Camp Oven Pocket, 1500 ft on west fall of McIlwraith Range, ne of Coen.

Two trapped at Musgrave Telegraph Station.

Two " " Shipton's Flats in "bladey grass", open forest.

Three at Helenvale in open-forest.

Three at Seagen's farm, 10 mi sw of Cooktown

Melomys ~~australis (?)~~

A common scansorial rain-forest rat at Lockerbie occasionally working out a little way into open "forest". Present also at Newcastle Bay where specimens were taken in the creeks (fallen scrub) which cut through the dunes to the sea. None at the Jardine.

A possible second species was trapped by Van in the dune-binding dwarfed Calloophyllum.

A similar species in the scrubs of Portland Roads & Iron Range. It sometimes ventured out into grass country.

At Mt Tozer a number were secured in the scrub. Only ~~three taken~~ at Brown's Creek (2 Q.)

A fair series collected at the McIlwraith Range, both east & west slopes.

A large series with foot 28-30 from west slopes of Mt Finnigan, 800 - 3200 ft.

One at Black Mountain

Examples of an unusually large rain forest Melomys secured at Upper Nesbit R.

Melomys rex lutillus.

This tiny species was found at Portland Roads & Iron Range but not farther north, though it is a close relative of the New Guinea sp. It inhabits grasslands. A good series was taken in the Iron Range area. Another good series at Mt Tozer, also 6 at the upper parts of the mountain in "Pardan Gully" containing Pandanus and low shrubs & grasses. It spread slightly into dwarf Casuarina forest where it sometimes used the cover formed by cast-off Casuarina needles. Like Pinus needles these formed a mat covering fallen sticks &c. & left many run-way-like openings. Some of these were used by this Melomys. Two or three at Brown's Creek. Two at Weipeck; Two at Archer R.; one at Coen - close to riverside.

Four taken at Camp Oven Pocket, McIlwraith Range.

One at Abergowrie

Several at Shipton's Flats: feet 24-26 mm.

Uromys caudimaculatus.

The "white-tailed rat" was not rare in the scrubs of the limestone ridge at Lockerbie. One was taken by Van at Newcastle Bay among the limestone cliffs of Nara Point, where it probably fed on the seeds of Pandanus. It was partly isolated from the main scrub by 1/4 mile of windswept, open, tussocky common.

Found to be fairly common in the Iron Range area. One was shot by Van at the Flying Ship about 100 feet out in the "forest" from the "scrub". A few taken in the Mt. Tozer scrubs. These powerful rats can tear a small mouse-trap apart. None at Brown's Creek.

One, unexpectedly at Coen, in the Coen River gorge, a½ mile above "The Bend". Taken in cliffy place which is surrounded by rocky hills & open forest. One at Upper Niabit R., 1500 ft; one at Peach River.

One at Mt Finnigan, 1150 ft.
One at Barron Waters, Cairns.

Hydromys

The water-rat was collected at the "Tip" at Naru Point camps in the little streams draining the bog behind the dunes. It was not common. One was trapped in a tiny stream passing through stunted vegetation (shrubby), the other in the more densely wooded creek ½ mile to the south, where I had a trap line.

No water-rats were taken at Lockerbie in the Lassadeenya Creek – a clear-water stream with but thin fringes of arboreal vegetation (where trapped). None was taken at the Jardine River.

One in a creek leading to the mangrove swamps of Portland Roads. One in Gordon's Creek, Iron Range. Two at Brown's Creek. Four at Wenlock. Two at Archer River. At Coen two (Dr Vernon, Q. Mus., also got one). One at Upper Nesbit R., 1500 ft, also one at Peach R., 800 ft. One at Musgrave Telegraph Station.

One at Mt Finnigan: Rossville Creek Camp (raw)

One at Seegen's farm, 10 mi from Cooktown.

Sminthopsis

A species closely resembling S. arnensis of New Guinea was collected at Iron Range. It lived in grasslands, preferring stony hillsides. None taken farther south. It was not easily trapped.

Three taken in "open forest" at Mt Tozer, one of them in a swampy area, the others at the hole-riddled base of an old stump. None at Brown's Creek.

Three at Camp Oven Pocket, 1500 ft, west slope of McIlwraith Range.

A second species - fat tailed - & possibly new - was taken at foot of cliffs among rock debris & spinifex, above the dam at Rifle Creek. ♂ It had six young - I could see only 6 nipples. The ears & bases around them are conspicuously pale yellow brown, in contrast to the gray brown of the body. The thickening of the tail unrelated to vertebral thickness.

Antechinus godmani.

This large Antechinus was found first at Iron Range in the rain forest – both flood plain and hill side. It was fairly abundant. A good climber. The marsupial were seldom visible. In two females the formula was clearly 5-5 = 10, arranged ⁝⁝⁝⁝. A male was shot which during a creeper on a large tree about 6 feet above the ground. Usually trapped under old logs or any sorts of large trees.

Tozer camp scrub also provided a fine series of this desirable animal. None at Dunn's Creek.

A series showing possible difference in formula (4-4) taken at McIlwraith Range (Camp Oven Pocket and Upper Nesbit R.). Extremely plentiful at latter.

Antechinus flavipes (?) I have at Mt Finnigan, 1150, 2700, 2900 ft. The ♀ at 1150 had 7 well developed young attached.

Tachyglossus aculeatus.

~~Nose found at "Tip", thought it exists there. One at Iron Range, found by "boy". Deep in 2-way hole beneath of huge rainforest tree aby edge of dry gully.~~

Dobsonia magna.

One shot by Van out of a bloodwood in flower, behind the house at Iron Range. The eyes stored well. A second shot by Ned Pinwell with .22 on low tree in scrubby heath lands 4 miles east of Iron Range. One (?) seen by Van + Ned in room of abandoned dwelling 5 miles S. of Iron Range. Not certainly identified; not collected.

One shot at but missed (a black fruit bat with glowing eyes) at Brums Creek. (This was probably Pteropus gouldii, as one which flowed similarly was shot a little later). Two seen (only one collected) in the Wilson Mine tunnel at Coen.

Two shot at Peach River feeding on Tea tree flowers.

Nyctinomus

Flies in scrub, through timber roads; & its eyes shine brilliantly. Saw several at Lockerbie. They seem attracted by light. At Potters Roads one flew into our lights & settled on my chest. It fluttered to Van + then down into the grass where we captured it. This took place in "open forest".

Seen but not taken at Upper Nesbit R + Peach R.

Seen " " " Mt Jeannigan. 1500 ft

Hipposideros diadema.

A small colony of this fine bat taken in "Gordon's Mine" at Iron Range. It was accompanied by the little H. cervinus and large numbers of Rhinolophus. It congregated at first about 30 feet from the entrance but later moved to a back chamber 100 feet in and around & down, in total darkness.

Hipposideros semoni.

A specimen in alcohol given by Dr. Kesteven at Cooktown, the type locality. A ♀ was ~~picked~~ found hanging in an open-door shed. The abdominal "nipples" were cream colored in the fresh-killed specimen.

A second specimen (no. 10970) from a room in an abandoned hut at Iron Range Air Strip. A third found in closet in house 1 mile n.w. of Coen.

Four H. semoni netted in trail in rain forest on top of McIlwraith Range - 1800 ft.

Hipposideros cervinus

A colony of about 100 - mostly in red phase - but one in gray phase was found at Somerset in the dining room of the old Jardine house. A few were also taken in the Gordon mine tunnel at Iron Range where they associated with H. diadema and Rhinolophus. One was taken in a small gill net by Van who was netting the cliffs at New castle Bay for Taphozous.

One picked up dead in room at Iron Ra. Air Strip.

Hypsiduus albarensis

This little species, common in hollow trees in New South, was caught at Lockerbie in the "boys'" tent. Three specimens.

Rhinolophus megaphyllus

Evidently a very common bat. About 2000 estimated in London mine tunnel at Iron Range. Commonly flies into houses ~~at~~ at night. Stone killed this at Lockerbie & Townsville. Common in tunnels on road, Hubalton to Chillagoe. One shot at Brown's Creek. Several found by Van in mines at Tunnel Gully, Warlock. I saw one in the ~~travel~~ of the "Homeward Bound", Coen but did not catch it. Several netted at upper Nesbit R & four shot in scrub road, top of Mc Illwraith Range, 1800 ft

One from hotel at Laura, where they hide during the day, hanging from the bed springs.

Several from water-tunnel at Mt Dimnigan, two from houses at Stepton's Flats

Three in culverts 15 mi from Cooktown

Taphozous australis

A cave and crevice-haunting bat. Usually rather shy. Chillagoe; sea-cave (creeper) 20 miles north of Cairns; Rockhampton (Olson's Cave); Newcastle Bay (limestone cliffs); Portland Roads (ammunition room). Several in mine tunnels at Tunnel Gully, Iverlock. At Coen, two in "Homeward Bound" tunnel and five at "Prince Peak".

Taphozous flaviventris

Three shot at Bonn's Creek. Pouch in both sexes, less developed in female. Paired diverticula at base, larger in ♂, smaller in ♀ ( ).

Nyctinomus

Three shot at dusk flying along river Cooman at Helenvale.

Miniopterus

Only specimen sent us from Possession Island; off Tip of Cape York (Carpentaria side).

One *M. australis* from Camp Oven Pocket, McIlwraith Range; one from Shipton's Flat.

Scotemis

Many specimens from various localities, including big series from Thursday Island. Probably several species. One thing one stat at Brown's Creek. One stat at Archer River.

One at Aldutung, 25 mi from Cooktown.
Two " Black Mtn.
Three " Teagan's farm

Chalinolobus

Nyctophilus

One ~~at~~ netted in rain forest at "Mango Tree", top of McIlwraith Range, 1800 feet. Three from Mt Dimiyan: two of them inside saw mill at Shipton's Flats, 900 ft; the other shot at dusk while flying at level of top of rain forest. The first two flew back & forth under the saw mill roof. Still another under saw mill roof.

Macroderma

Taken only in cave in Mt Etna area, north of Rockhampton

Pteropus

P. poliocephalus. One shot by Ram at Lockerbie (on bloodwood). Four in mangroves (by day) at Portland Roads. One on bloodwood flowers at Brown's Creek. Remains of poisoned specimens at Warlock (poisoned pawpaws)

P. conspicillatus Common in various "camps" on Atherton Tableland. One on road (dead) a few miles north of Cairns. One ? shot at Tea tree flowers at Peach River. No embryo.

P. scapulatus. Two on bloodwoods at Byfield, n.e. of Rockhampton. Readily looks at light; spreads wings under light as display (seemingly). This species possibly in a camp at Warlock (described as "brown" flying foxes).

Very abundant at Warlock. Sexes apparently going to separated feeding trees. A number shot. One shot near Peach Creek.

One shot by day, roosting in "open forest" on road from Cooktown to Peach R. Another seen. A "camp" scattered along the Hann River: shot 5. Many hung singly. Tea trees full of them at night.

One shot at night at Stipton's Flats feeding on flowers of

Seven from large camp at Annan Falls, 3 mi from Helenvale

P. poliocephalus What seems to be this species shot at Tea tree flowers at Peach River - all females - all pregnant, almost at term. Does this southern species spend the Australian winter this far north & return to So. Q + N.S.W. when warmer weather starts there?

Macropus robustus.

One at Sir Wm Thompson Range, 16 miles n. e. of Warlock. Old Morton says found at Morton but scarcely to Jardine R.

Several shot at Warlock. Both "roan" and "red" forms obtained. The red forms seem to be confused in minds of locals with true Macropus rufus. One dull grey ♂ (88 lbs) shot at Coen, also a female & a young ♂, all of them grey-dark with little or no red. ~~One young one from near Ebbagoola~~

~~One seen at McLeod Exploration~~.

Macropus canguru

One shot & skinned with skull at Warlock.

~~One~~ young one brought from Ebbagoola (see also p. 32)

Dendrolagus bennettianus

One adult ♀ at Mt Trimijan, 2800 ft. It was accompanied by a second, smaller one which escaped.

Macropus giganteus

At Helmvale, 20 mi s. of Cooktown (3 mi WSW) a female with pouch young, accompanied by a very young male (still in the "woolly" stage) & a large male. Our guide explained the kangaroos go in "mobs" up to 15. He estimated about 50 in the 10 miles radiating westward from Helmvale. In wet weather the mobs merge. (See also p. 30)

Hypsiprymnodon

One shot in late fm. at Julatten in vine scrub; another at Mt Dimiyan, 3100 ft.

A skin rec'd from LeRoy at "The Tableland", 20 mi south of Cooktown.

Pleurodes.

One young male at Speewah in "oak" woods. One at Mt Dinnigan, 1150 ft, with 2 well feathered young in forest, at edge of scrub.

One large male shot in "river scrub" at Helenvale.

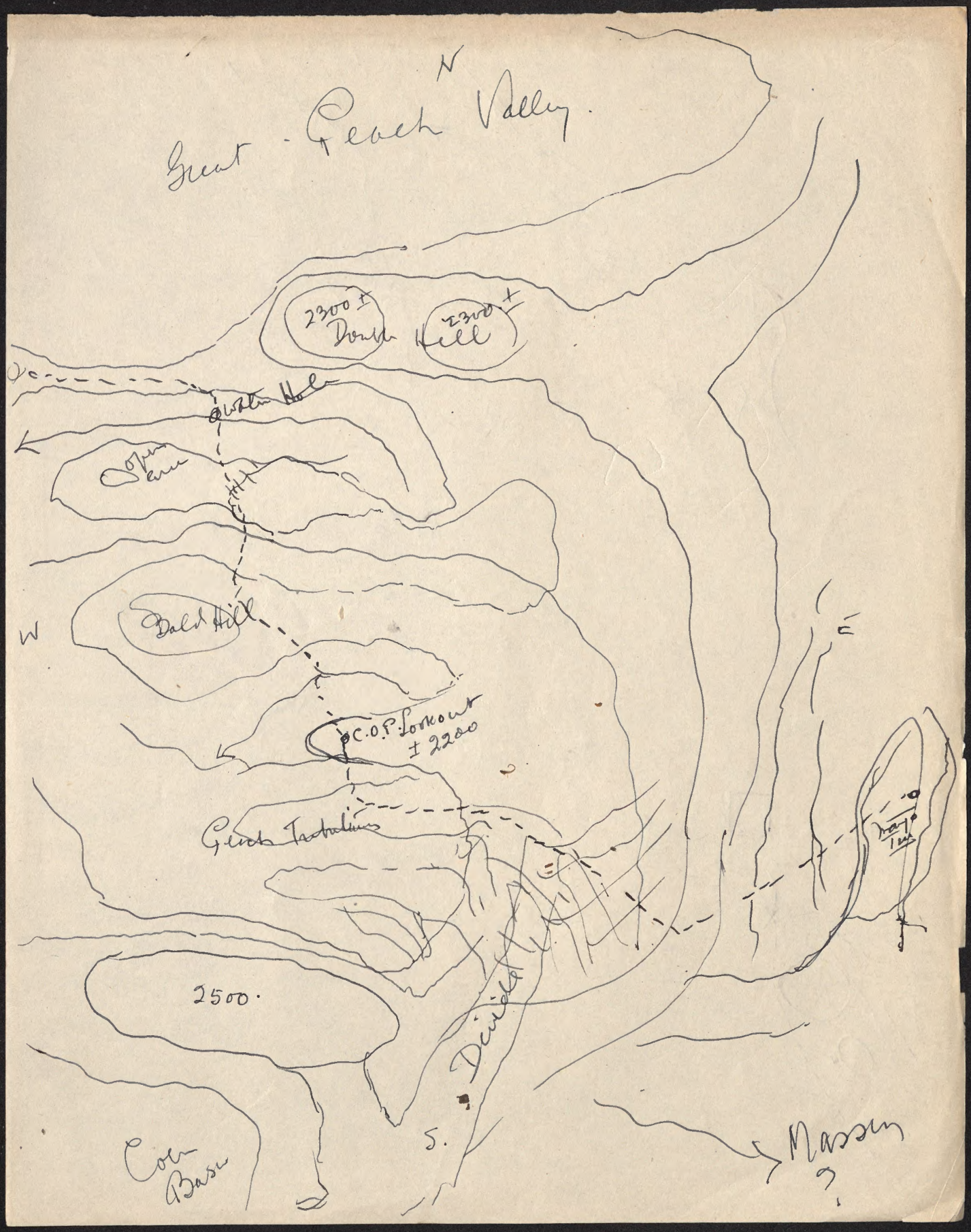
One trapped at Barron Falls, Cairns.

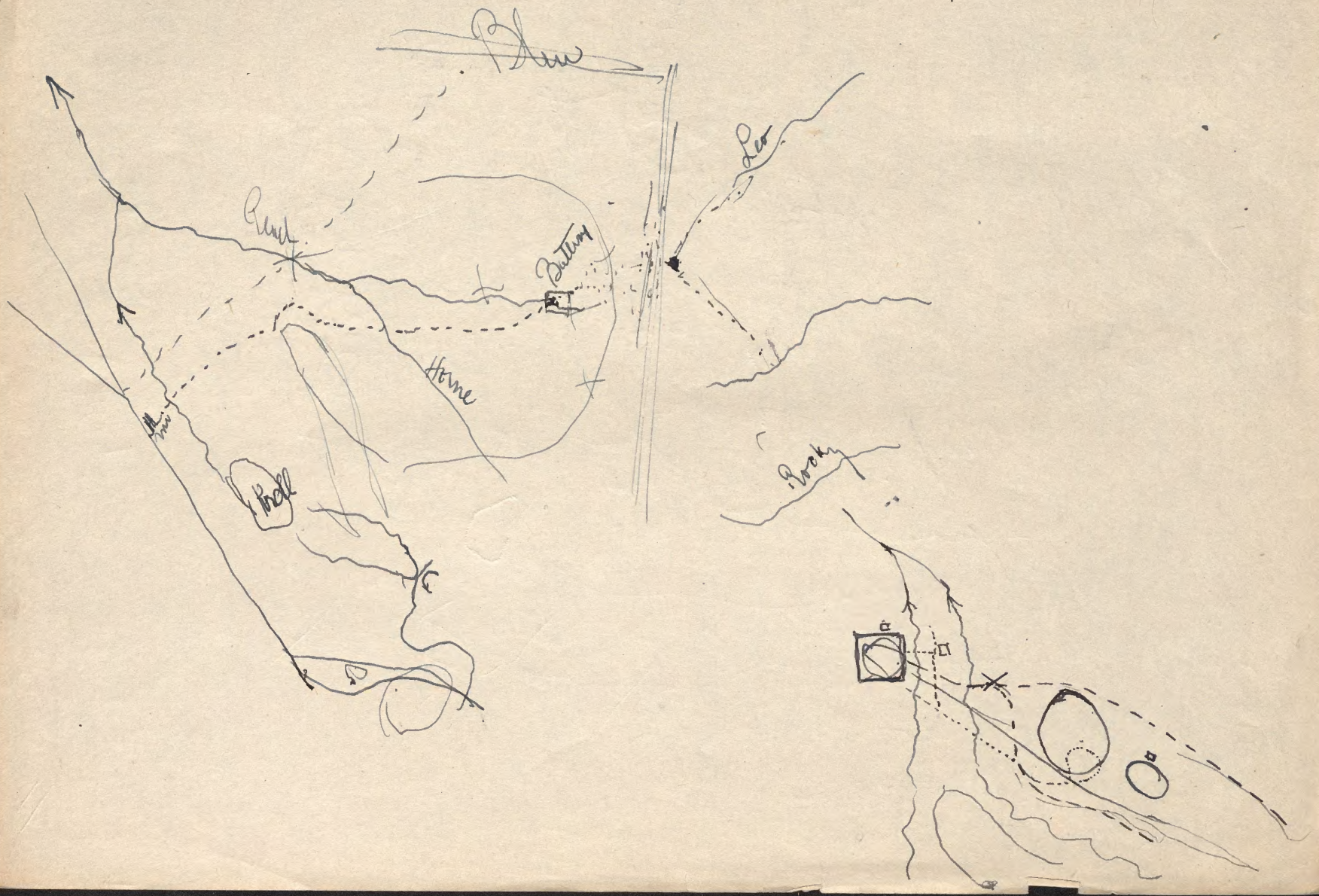
Macroglossa.

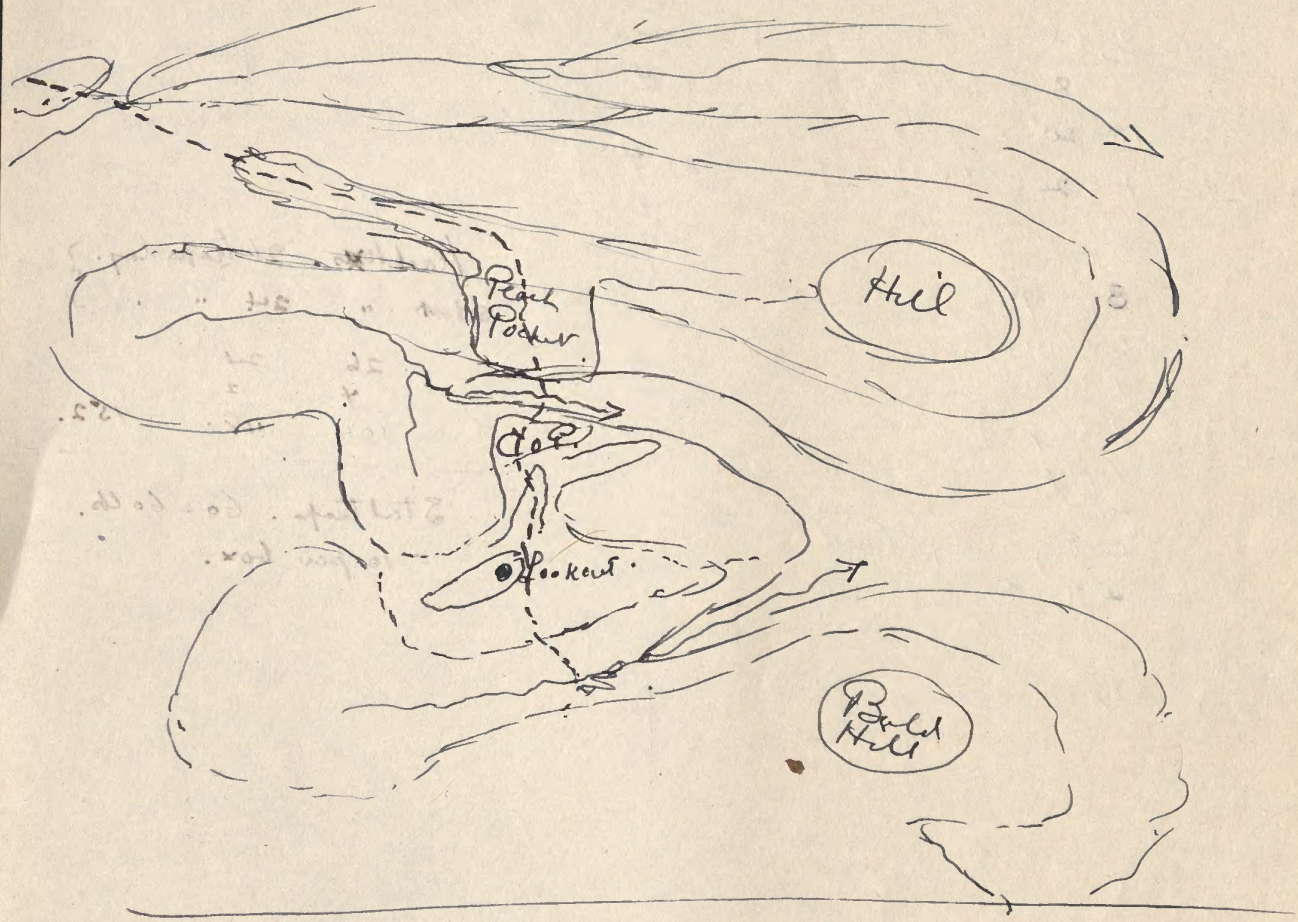
Probably Odontosyntis at Seaga's farm, 10 mi out of Cooktown - found by Van flying about the flowers of Agave (see Trophon too).

Laomys.

Three specimens of what appear to be this genus taken at Rifle Creek, near Mt Isa. One in the house, a second at the base of cliffs above down in mixed rock debris + spinifex, & third among shrubby growth at base of tree up gully opposite house. The thickening of the tail base is not reflected in the vertebrae & their muscles, which are normally tapered. Is this a adaptation for fat storage or water storage?


N
Great Peach Valley.
2300 ±
Dorsh
2300 ±
Hill
Austin Hole
Open Area
Bald Hill
W
E
C.O.P. Lookout
± 2200
Peach Tributaries
Ranch
2500.
Divide
S.
Cow Basin
Massey
?


Blue
Lee
Pond
Battery
Home
Rock
Rocky


Peak Pocket
Hill
Col
Lookout
Bald Hill

Traps:-	Rat	Stat.	~~mouse~~
Van	28	27	
Roy	40	10	
Geo	60	24	
	10		
	138	61	20
	69 lbs.	61 lbs.	–

= 130 lbs.

Horses Bair.

1 Boxes 3, 68 – skins, trays, geo extra

2 " 77-78 40 lbs traps, 1 box batt;

3 " 18-20. 50 lbs traps, med.

4 " 1-2. 40 lbs traps, 1 box batt;

2 cots

2 sacks

2 chairs

1 table

1 lamp + kerosene

1 fly

food

cooking + eating utensils.

2 guns

5 Saddle bags

{dry cells, arsenic ammo. Medical.

flack boxes. 26 traps long.
stat " 24 " "

26	24
4	2
104	48. = 152.

Stat trap. 60 = 60 lb.
= 10 per box.

Camponotus sp?

Battle to the death.

Major soldier ant attacked by Minor soldier ants of same species.
Note the former has completely lost two legs on one side, having been chewed off near the body by the smaller ants.
While the small ants were doing this work, some of them paid dearly with their lives, as the large ant cut several of the smaller ones on half with its mandibles, as is plainly seen by the heads attached to the back of hind leg and one on the antennae.
These jaws set in a death grip.

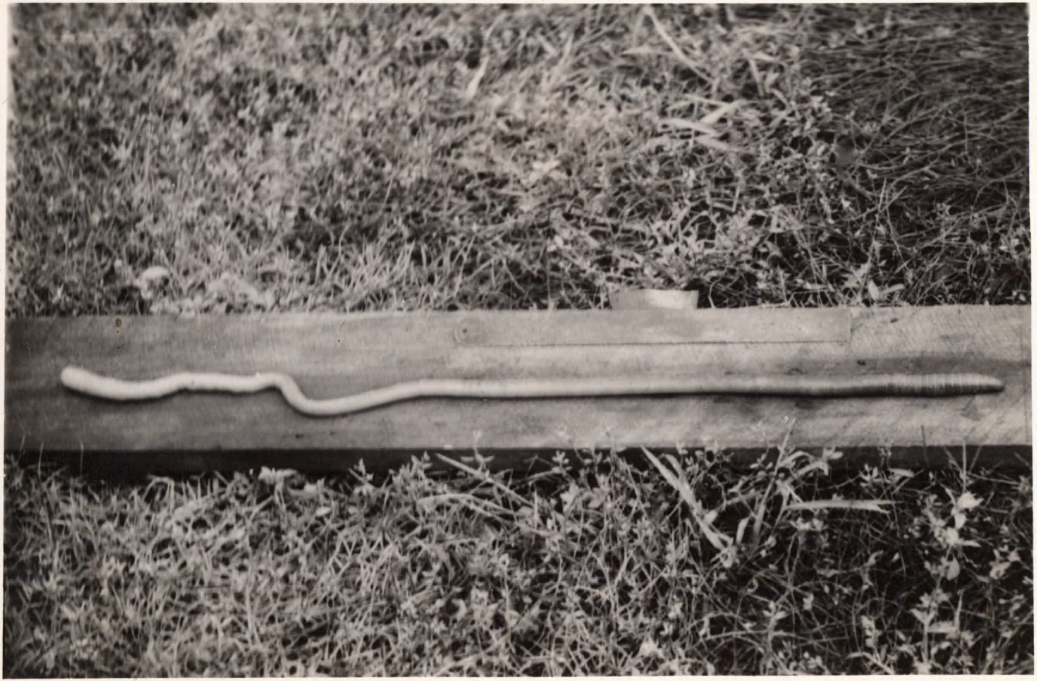
Subject very much enlarged.

H. Geary
C/o Commercial Banking Coy of Sydney
Queen Street
Brisbane

Carnarvon Range "Warranilla"

Kodak

Enlargement



Large earth worm 3feet long Bunya Mountains

Lubra & Children Whaibri Tribe

Central Australia

240 miles N.W. of Alice Springs

N. Geary Oct. 1946.

Lubra + Child Whaibri Tribe
Central Australia

---

240 miles N. W. of Alice Springs

N. Geary Oct. 1946

Lubra Whaibri Tribe
Central Australia
240 miles N. W. of Alice
Springs

N. Geary Oct. 1946

Young Lubras. Whaibri Tribe
Central Australia
240 miles N. W. of Alice
Springs

N. Geary Oct. 1946.

1948 Archbold
Cape York
Expedition
C. H. H. Tate
Hvan Deusen
No. . . . . .

T.L.
L.T.
(s.n.) H.F.
E.

1948 Archbold
Cape York
Expedition
C. H. H. Tate
Hvan Deusen
No. . . . . .

T.L.
L.T.
(s.n.) H.F.
E.

American Museum of Natural History

Australia, Cape York 1948

American Museum of Natural History

Australia, Cape York 1948