

Northern Territory Survey Expedition, 1868-70 Diary kept by the Surveyor General (G.W. Goyder)

Jan 1 to Sep 18 1869

Presented by Estate of Mrs Andrew Smith (Per Sir Keith Smith)

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1 January – Friday ...Wind. Light South by east to SSE . Heavy rollers from SSW which caused the Ship to roll a great deal. Latitude at noon 36°35' Longitude 126° 20' Doctor reports eight patients being two less than yesterday and the remainder progressing favorably. Beard reports horses and stock all right and in good order. Lambell too ill to write up pay sheets and book. Observed meridian altitude of Sun but differed from the Captain and determined to readjust instrument before recording observation. Progress reports for December received from the following Surveyors – 1st Class Mess^{rs} MacLachlan, Harvey, Woods, Mitchell, McMinn, and Smith. 2nd Class Messrs King, Mills, E.M. Smith, Thomas and Knuckey.

2 January – Saturday Up nearly all night. A dead calm. Ship making Lee way very little progress – if any – made since noon of the preceeding (*sic*) day. A Slight breeze sprang up at 10 am which gave us about ten or twelve miles on journey. Noon and morning observations same as yesterday. The officers published a newspaper “Moonta Herald” a witty and amusing production without being in any way personal. The paysheets for the whole of the party were made out and entered in pay-book. The Surveyors and their several parties were paid in orders but the payment of the orders to the remainder of the expedition was deferred till Monday. Censured Mr Lambell for inattention to duty. Draftsmen appointed to watch at the cook’s galley from this date to prevent water from being abstracted from the coppers and to ensure proper precautions against fire. Served out grog at 7 pm. Wind died away. Ship rolling heavily. A slight shower fell during the day and at night. Barometer 29.9 Thermometer 70. Dr Peel reports seven on sick list including one of the ship’s crew.

3 January – Sunday Light wind at 2 am. Course thence WSW. Wind NNW. Barometer 29.8 Thermometer 67 at noon. Day cloudy. Latitude at noon 36°38' Longitude 125°3' Visited each part of ship. Dr Peel read divine service on board at 10 am. Patients reduced to five – those improving. Wind very light at 3 pm Discovered that the hands were getting grog and beer from the stores – ordered the place to be boarded off and set a watch to guard the stores till such had been done. Up to this time the quantity of water used has been equal to about 400 gallons per diem. Stock all right and in good order. Breeze light till 8 pm course westerly. Brooking and Gerald ill. One horse unwell, required active treatment. Sky clear. Barometer slightly falling. Wind NNW Several of the men complain of leakage into their berths through the seams of the deck planking – to see that this is attended to as soon as possible.

4 January – Monday Progress reports inspected. Lambell not up as instructed and again censured. Barometer falling rapidly. Too cloudy for morning altitude. Instruments from Osterloh’s inspected and found very faulty. At noon wind WNW Course South very uneasy motion. Remainder of men signed pay sheets and were paid their orders for period from the 22nd to 31st December. Latitude at noon 37°33' Longitude 123°15'. Wind strong from SW. Course NW/W , drift about a point. Heavy rolls from SW causing the vessel to roll very much. Two goats got leg each broken; one died shortly afterwards and the other shared the same fate at night. Wind gradually falling, roll increasing. Ship [wider?] easy sail, rolling continued till midnight; progress about equal to 2 ½ to 3 knots per hour. Lambell ill. Doctor reports eleven applicants for medicine, none of which however are serious cases. Self suffering from sickness. Steward drunk and nine bottles of spirits short. Had all removed at once to store. Wind increased through the night and round to NW at 6 am. Course SW x S. Formed new mess forward. Carpenters putting up bulkhead to prevent any person getting at the spirits. Rainy in forenoon. Wind increased through the night and round to the NW at 6 am. Course SW x S

5 January – Tuesday Bulkhead completed yesterday. Steward censured and told what the consequences of another slip on his part would lead to. Case of stationery got up from hold and opened. Commenced an examination of the cadets. Cadet Giles passed very fairly as far as the examination was carried out. Cadet McKay a little deficient in the practical application of rules. Course W by N Wind SSW light Sea still heavy. Lat at noon $36^{\circ}34'$ Long: $122^{\circ}9'$ Wind died away in afternoon and the rolling retarded the progress of the vessel. Music on deck in the evening. Doctor reports patients as before only seven cases today. Lambell and Bennett still ill. Barometer 29.96 Ther 64° at 8 pm.

6 January – Wednesday Wind fair and gradually freshened during night. At 8 am going 9 Knots per hour. Wind NW $\frac{1}{2}$ W Barometer falling at 9.30 – 29.90 Ther: 67° . Continued examination of Cadets. Cadet Bee utterly ignorant of the theoretical branch of the profession and education all behind hand. Cadet Brooking passed a good examination. Lat at noon $36^{\circ}47'$ Long $120^{\circ}19'$ Wind a little less Making 8 kn per hour for the last four hours. Course W ran nearly ninety miles since noon of preceeding day. In the afternoon the wind gradually changed to Westward – course falling off at 7 pm to S $\frac{1}{2}$ W Glass rising slightly. Dalwood, an axeman in G.R. McMinn's party obtained a bottle of brandy from the Captain and got intoxicated – took the remainder of bottle from him and arranged with Captain not to supply the men with any more spirits. A day's pay to be deducted from Dalwood's salary. Steered course to N by W at 8 pm Doctor reports but six patients all of whom are improving.

7 January – Thursday At 4.30 am wind light from midnight made West by South At 6 am could only make SW about 2 to 3 Knots per hour. Shower of rain at 8 am. One of the bullocks and a mare ill. Had two tanks removed from hold to allow more room for bullocks After breakfast spoke to senior officer cabin. Mr Lambell engaged making up accounts. Wind NW Bar: 29.75° Ther: 68° Engaged looking over plans and papers till noon Wind very light and more adverse. Course SW $\frac{1}{2}$ W Lat'' $37^{\circ}25'$ Long: $118^{\circ}29'$ Distance run since yesterday at noon about 94 miles At 8 pm Bar. Rising slightly Then men cut a tank in the afternoon for holding chaff Captain complained that they had used one of his best and that £5 would have to be paid for it Spoke to Beard upon the subject and saw the tank properly stowed for chaff cutting. Wind gradually going to westward and course changed to S $\frac{3}{4}$ W Made but 26 miles from noon to 8 pm Ship put about on opposite tack when true south of King George's Sound about 150 miles distant Course NNW Doctor reports no increase of cases in party and all improving. Day fine.

8 January – Friday 12.30 Wind still adverse Course since last night NW Lat: $37^{\circ}30'$ Long: $118^{\circ}0'$ A heavy shower and slight squall at 9 am Doctor reports Dalwood ill with Bronchitis – other patients as before Vessel rolling dreadfully all night and but little less now. At 8 pm wind steady from SW Course NW $\frac{1}{2}$ W Since noon the rate has been equal to about 5 knots per hour. Beard reports stock all right and in good order Doctor reports Dalwood better (This man is a grumbler) prescribed for twelve – no serious cases. Day fine, but cloudy and cold Bar: $30^{\circ}1'$ Ther: 65° Music on deck in the evening – this amusement appears to be very attractive to the officers and men. Fisher plays on a small portable harmonium brought by Barlow. Gave Hicks a watch under Beard.

9 January – Saturday 9 am Course and wind as before, breeze not quite so strong. Log gives 70 knots from 7 pm last night to 8 am this morning. Commenced examination of junior cadets. Mr Sprigg's examination, except sector Log^m and Trigⁿ was very satisfactory. Noon. Lat: $36^{\circ}26'$ Long: $116^{\circ}00'15''$ Progress since noon of yesterday 113 knots Wind falling off Course WNW Should the breeze hold good expect to be off the Leeuwin tomorrow evening Bar: $30^{\circ}.23$ Ther: 65° Altered course to W at 2 pm to avoid the excessive rolling Ship going about $6\frac{1}{2}$ knots per hour. Altered again to NNW at 7 pm Same rate of sailing Grog served out to the men Doctor reports patients going on well Loveday ill with cold - 9 cases in all Loveday's the only important one. Midnight – wind freshening Course NW Vessel more steady.

10 January – Sunday Course altered at 4 am to North Longitude at 8 am 114 ° Divine Service conducted by Dr Peel at 10 am Music conducted by W Fisher upon the harmonium for the first time several anthems glorias and C were chanted Lat: at noon 34°32' Long: 113°45' Barometer falling slightly Distance run since noon of preceding day 160 miles.

11 January – Monday Had a slight bilious attack last night from which not quite recovered. Course NNW all night Wind fair. Examined surveyor's monthly progress reports Carpenter stopping off foul air from my berth Men engaged covering boats with tarpaulins Brooks plotting plan of intended township Lambell made up pay book and list of orders issued to the men Lat at noon 32°8' Long; 111°44' Progress since noon yesterday 178 knots Course NW1/2W mag. Day as before Doctor reports nothing serious prescribed for ten including Captain, Hazard and Daly, the latter off duty for a day or two. Course N ½ W Wind fair. Rolling motion of the ship very bad At 12 pm wind and course as before Night fine. Ship rolling heavily all night.

12 January – Tuesday 9.30 am Wind SSE Course N ½ W giving about 6 knots per hour Progress from 6 pm last night till 8 am this morning 100 miles Examination of cadets continued. Beetson bad, Roberts better Aldridge still better but all had to be sent back. Noon – wind and course as before Bar: 29.96 Ther: 68 Wind not quite so strong Lat: 29°20' Long: 111°1' Distance run since noon yesterday 171 knots The same breeze and course continued until midnight Doctor reports but five cases including myself – suffering pain and relaxed bowels. Stephen King suffering from disease contracted by contact with the seat of the water closet A second closet aft being constructed for the use of the 1st class officers Opened cases containing revolvers, fowling pieces and ammunition

13 January – Wednesday 9 am Wind SSE Course N ½ W Ship rolling a good deal all night Censured Lambell and informed him that if occasioned again to do so he should be suspended. Two of the goats died during the night. Beard reports that they are the worst of any of the livestock. One had a bad leg. The Chief Officer thinks that the mortality among them is caused by their having eaten something they could not digest. Instructed Draftsmen Bennett, Berry and Ringwood to each make four copies of township plan drawn by Brooks and Hardy to copy the "Moonta Herald Examination of cadets continued. Burden ex^d and sent back. Wells better than expected, but had to be sent back. Noon – Draftsmen preparing plans of township Lat: 26°36' Long: 110°25' Breeze and course as before Distance run since noon of yesterday 167 knots Barometer 29.94 Ther: 72° From noon course N half East Draftsmen engaged at plans from 2 to 4 pm Night fine, breeze as before Mr Fisher in cabin in evening engaged in conversation respecting the newspaper Music on deck during the evening Lambell wrote up a social journal... *rest not copied*

14 January – Thursday Noon Latitude 23°37' Long: 110°47' Distance run since yesterday at noon 180 knots Bar: 29.94 Ther: 74 Course NNE Heavy breeze blowing East of North since midnight Draftsmen still engaged at plans of township Barlow brought a pound note which he had found on the deck Gave instructions to Fisher to advertize it in the paper Midnight – Wind less – course and direction of breeze as before Doctor reports ten cases – myself a bilious attack, the worst. Spoke to the baker about the bread being made so badly and to Mr McCallum about getting certain articles from below.

15 January – Friday 10 am Breeze light Course NNE going at the rate of 3 knots per hour Self a little better Spoke to the baker again about bread and to McCallum about getting up hops for yeast or baking powder. Spoke to draftsmen not to allow cooking at night in the galley whilst the baker is at work. Noon Lat: 21°39' Long: 111° 35' Course N by E Distance run since noon of yesterday 124 knots Breeze falling off and from SSW Draftsmen still engaged at plans of township Doctor reports that all patients are progressing favorably Self better. Presentation in the evening to Mess^{rs} Hoare and Ringwood Ordered Mr McCallum to serve out biscuits to the men in lieu of bread as no baking powder had been got up out of the hold Bar at noon 20°89 Ther: 80° At midnight breeze and course as before

16 January – Saturday 7 am Breeze a little stronger than last night, blowing from the same direction and course still the same Vessel going more steadily than before at any time during the voyage Self

better Noon Lat: 19°38' Long: 111°56' Draftsmen engaged till noon Mr Lambell again censured. [Men?] making masts and sails for boats Revolvers and carbines got on deck To send Lines and Armstrong net making on Monday Course changed to NE by E. Midnight Breeze falling off. Ship rolling – progress gradually decreasing Doctor reports prescribing for twelve including a dislocation of shoulder which was cleverly reduced Self better. Issued circular as to sanitary state of 2nd cabin.

17 January – Sunday 11 am Breeze and course as before Doctor read service which was well attended and highly satisfactory. But two cases in Doctor's book Self still improving Noon Lat: 17°48' Long: 112°32' Bar: 29.88 Ther: 78° Distance run since yesterday at noon 118 knots Altered course to NE ½ E ½ W Money found by Barlow belonged to and was given to Stevens NB H.D. Packard queer – found that he has been getting grog. Warned him.

18 January – Monday Noon Second class officers' and cadets' cabins cleared and thoroughly cleansed. Ringwood's bag found Settled dispute among men in No 10 mess. Lat: 16°2' Long: 114°10' Bar: 29.82 Ther: 80° Distance run since noon yesterday on N by E 140 miles Course as am. Perused progress reports for January Received letter from Mr Surveyor Daly 1-69 charging Mr Lambell in defiance of my instruction of the 7th inst. With the persistent use of blasphemous and foul language Surveyors E.M. Smith and J.M. Thomas confirmed the above. Received over from Mr Lambell all his papers, books etc and referred Mr Daly's letter to him for report – questioned him upon the subject before the junior surveyors and cadets Brooking and Sprigg and Dr Peel. Decided to suspend Lambell and to reduce him to the rank of chainman to do duty in Mr McLachlan's party in place of Edward Ryan, but to mess with No 12 mess retaining his cot which he may sling anywhere out of the way of working of the ship in front of the mizzen mast. Mr Woods to write letter. Breeze very light, course as before, going about 4 ½ knots. Bar 29.85 Ther: 86° Self a slight return of sickness Doctor reports patients better. 7 simple cases

19 January – Tuesday Noon Course NE ½ N Breeze SW as yesterday. Lat: 14°27' Long: 115°28' Bar: 29.8 Ther 86° Draftsmen still at work Self still queer Distance run since yesterday at noon 123 knots Doctor reports all cases improving Midnight Heat excessive, course and breeze as before. Vessel going from 4 to 6 knots. Beard ill. Quantity of water increased to 4 quarts per man, eight gallons each horse and ten gallons each bullock. Doctor saw Beard. Self and other patients improving – 6 cases

20 January – Wednesday Noon Lat: 13° Long: 116°50' Since yesterday course N43E Distance run 119 knots. Bar: 29.85 Ther 90° Wind WNW Light. Weather intensely hot below, but pleasant on deck. Going through progress reports. Doctor reports 4 cases, Beard better. A kid born during the night. An amusing burlesque trial on board this afternoon Draftsmen still engaged at plans during the day. Light breeze, ship going about 4 knots. Course NE till 4 o'clock since then NE by E. Lat 12°32' Long: 117°30'E All going on well Self a good deal better. Music on deck at night, it is intended to have a concert on Friday night.

21 January – Thursday Noon Lat: 12° Long: 118°21' Bar: 28.85 Ther: 88° Wind WNW Course till noon NE by E Distance run since yesterday at noon 108 knots. Changed course at noon to ENE Wind almost died away. Draftsmen only engaged till 12.30 it being too close afterwards to work. Dr reports no serious case – Beard and Palmer both better. Nine pm very slight breeze – vessel going ENE about two knots Dr reports 9 cases, none serious Consulting with Burton and Hood as to stores at Escape Cliffs, also designed store for depot at Port Darwin should schooner not have arrived.

22 January – Friday Noon Lat: 11°29' Long: 119°29' Bar: 29.79 Ther: 88° Distance run since noon yesterday 71 miles on course ENE Altered course to E by N Very hot and close, rain threatening. Sheep died during the night from enlargement of the heart. Draftsmen engaged at work till 12.30 Doctor's report more favorable. Scarcely any wind. Sea smooth. A.H. Smith sick during the night. Officers on deck practising singing for concert. 8 pm no wind. Threatening to the westward but died out. Doctor reports but three cases, the most important of which is that of Homeyer who was bitten by a Newfoundland dog belonging to Aldridge

23 January – Saturday Noon – Lat 11°22' Long 120°14' Course E by N Distance run since noon of yesterday 45 knots A calm nearly all night. Draftsmen at work till noon Doctor reports eight cases all going on favorably none serious 8 pm Wind very light Bar: 29.9 Heat intense. Ther in the shade 92° A Slight shower fell during the morning. Trying revolvers in morning Three sharks were caught during the day Concert held by officers on deck in afternoon Self again a little queer Captain ordered that no more bread should be baked in the ship's galley This is contrary to Captain Simpson's orders. Issued instructions to storekeeper to give out biscuits until store is properly arranged Breeze very light Ship going about one and a half knots per hour

24 January – Sunday Noon Lat: 11°17' Long: 120°47' Bar: 29.93 Ther; 88° Course since 8 pm last night E and E by N Distance run since noon of yesterday 33 knots Divine Service read on board by doctor in morning at 10 am Again had occasion to speak to Beard about the manner in which the horses are looked after. Self unwell – stomach out of order Sighted island of Hooki 45 miles to the NE Instructed Burton at his suggestion to make a large fan for horses and stock 'tween decks Doctor reports eight cases.

25 January – Monday Note: from this date forward, some notes (mainly meteorological observations) abridged Written numbers often changed to digits. Not a true transcript. Noon lat and long Bar and ther. Course E by N Distance 30 miles. Day intensely hot, almost a calm Doctor reports but seven cases. Took correction of [bearings?] Had fore-hold cleared out to make more room. Burton will have [fan?] ready by tomorrow. 4 pm a breeze sprang up with a slight shower in afternoon Course since noon E giving about 3 knots per hour All places below very hot. Received and inspected progress reports belonging to cadets. Doctor reports eight cases none dangerous. Mem: the barometer usually falls a tenth towards night and rises again at daylight Thermometer varies but very little, below. Scarcely any animal life. Saw Steward again drunk A booby was shot and preserved. Midnight – a dead calm Ther: 90°

26 January – Tuesday Noon lat, long, Distance 40 miles Course E. Bar ther 90° Wind very light – becalmed from 8 pm yesterday evening until 8 am this morning Draftsmen engaged till 12.30 Land visible to the North - Sawu Island 4 pm wind light, favorable. Course East. Ship going at the rate of about two miles per hour Started fan made by Burton for the horses at 3 o'clock and took down the punkahs formerly used Mem: Beard originates no improvements Doctor's report favorable, only five cases. Self better During the afternoon one of the horses got his leg over rail of stall but was extricated without any injury being done. Mem: Mr Beard a bad manager No account of the bran consumed kept by him Had all the fowls brought aft. Midnight Becalmed heat intense - shower in view and lightning.

27 January – Wednesday 9 am Almost a calm, only sufficient wind to give vessel steerage way. Island of Roti not yet in sight. Captain hopes for a change at the full of moon Beard's report of no value He appears to keep no record whatever of what hay or bran has been consumed – talked to him strong; this is the third time that I have had to do so. At noon lat, long, bar and ther 92° Course since noon yesterday E by S Distance run about 30 miles Midnight – wind changed to SE vessel beating up towards Roti which was visible at night No progress made. Doctor reports seven cases, none of which are dangerous King ill from exposure at night while sleeping on deck. Mr Ringwood engaged plotting. Mem: Important to note SE winds within the limits of the NW monsoons.

“Ship ‘Moonta’” on this and subsequent entries

28 January – Thursday Noon Beating up to SW of the island of Damo – took bearings and changed position. Lat, Long, Bar, Ther: 92°. Distance run since noon yesterday 13 miles. 8 pm wind changed gradually to SSW Course thence SE by E since last hearings were taken. The island of Damo bearing thru NE ¼ E about eight miles distant Doctor reports all well today The weather intensely hot a few

marine molusca seen. Captain shaped course so as to get an offing and keep clear of Echo Bank. Stay present course till midnight then E to Long 125°, then shape course through shoals to Port

29 January – Friday 9 am Wind less and more to the East of South Course E by N ½ N Roti island bears N by W The high land of Timor visible about eighty miles distant. Noon lat and long, bar, Ther: 92° Course since noon yesterday E ¾ S Distance run 46 miles Winds adverse as above. Only four applicants to doctor for medicine – doctor reports no fresh cases. Course since noon East. 8 pm Wind SSW light Ship going about two knots The weather intensely hot. The peaks of Timor visible throughout the day. Mr Ringwood engaged copying chart. A Bonito was caught this morning. Mem: Mr Schultze is merely a collector and preserver of plants and animals, perhaps this is better as he cannot be carried away by enthusiasm.

30 January – Saturday Noon Good breeze from SSW Lat, long, bar, Ther 92° Course East Distance run ...88 knots Doctor reports but five trivial cases. 7 pm altered course at noon to SE by S Breeze freshening Vessel going about 6 or 7 knots passing to the south of Echo Bank about 25 miles A concert was held on board at 7 pm Course to be altered at 8 pm to ESE Midnight Wind fair Going at rate of from 6 to 8 knots per hour

31 January – Sunday Noon lat, long, bar, Ther: 88° Course ESE Distance 126 miles Wind changed about noon followed by a thunder storm which lasted about two hours. Fair wind at 3 pm Course East going about two knots per hour Chief Officer of ship insubordinate. Horse "Lightfoot" ill and under treatment by Gepp

1 February – Monday Horses sick. Alick Kennedy in charge of lower deck. William Rowe 'tween decks and Beard main deck. Beard got "a severe talking to for inattention to duties" Doctor – 9 cases none serious. Edward Ryan back at work.

2 February – Tuesday Horse died – wrong feeding and mismanagement by Beard. Dr – 4 cases "including myself" all trifling

3 February – Wednesday Schultze catching fish. Mare dropped foal Dr – 9 cases "Lowther with a gathering in his hand – off duty – the most serious"

4 February – Thursday Second bad tin of mutton Heat intense caused by the moisture in the atmosphere. Stock OK Newfoundland dog "Carlo" dying 'I fear'. Dr – 3 cases, including A H Smith.

5 February – Friday Sighted Point Charles "the land lying low" Fires/smoke seen south of Bynoe Harbour. Carlo died Charge made by E.M. Smith against Mess^{rs} Mills and Thomas – bad language "contrary to my instructions. Investigated same and decided that Thomas should be censured and Mills suspended for a few day. We anchored in Port Darwin at 5 minutes past [?] Went on shore with Doctor, captain, Naturalist, [?] Mitchell, McMinn and Burton, Tuckwell, Alick [Kennedy?] and William Rowe. Examined country and returned [?] Upon return arrangements were made to facilitate [?] landing on the ensuing day It was arranged [?] M Moyse and T.J. Bennett should early next morning [?] on shore with tube-wells and other tools to search for water [site?] selected by me today. It was also arranged that [?] parties should proceed on shore next morning [to?] form a road under Mr A.J. Mitchell, consisting of [?] Walters, Collard, Cornish, Neate, Frances, Ryan and [?] Trig. piling party under Mr G.G. MacLachlan [?] E Ryan, P. Henley, J. London and D. Heir. Landing [party under?] Mr G.R. McMinn consisting of Dalwood, Lowther, Kruss [?] Robinson, Wilson and Farrant. Mr E.M. Smith [?] Mr McMinn Landing party under Mr Knuckey consisting [?] of P. Kelly and R. Horn. Timber cutting party for store and jetty [under?] Mr J.M. Thomas consisting of J. Ryan, D Johnson, Houston, G. Bayfield and M. Keeley. Timber Party under Mr S. King [consisting?] of Colbert, Barrow, Bosworth, Kersley, Fraser and Deane [?] party under Mr Daly consisting of Armstrong, Irwin, [?] Stevenson. Timber party under Mr Brooking consisting [?] T. Loveday, Lowther, Richards, Hughes and C. Lines. It was arranged that the party should remain on board under Mr Harvey consisting of Cadets McKay, Giles, Packard, Bee, Buttrose, Aldridge Roberts, Burden, Sprigg and Wells and Mr W.W. Mills

6 February – Saturday Captain and self left vessel at 5 am to sound along coast for best landing place and to look for water. Found surface water along coast oozing out of the rocks, also a fresh water swamp about 2 ½ miles distant E of Point Emery and surface water in a gully between Fort Point and Point Emery. Found also that the best landing place was close to Fort Point. Landing parties to work as arranged on the previous evening. Captain removed vessel from anchorage to as near landing place as possible, about an eighth of a mile from shore. Caused well to be sunk in gully between Fort Point and Point Emery and tracks cleared from well to beach. Commenced landing stock, bullocks all landed successfully, but one very weak. Half the horses landed, black mare badly handled by men in the dingy (*sic*) and nearly drowned ('by ship's carpenter' crossed out) – [?] in life-boat to assist, and took the mare safely ashore. Orders given by myself and captain that the dingy should not be used any more in landing stock. Proceeded with well – party to sink a second well in a flat, three-quarters of a mile E of Fort Point. Men sank four feet through nodulous earth to conglomerate when the ground became safer. Examined locality and returned to ship where we found that, contrary to my express orders and those of the Captain, the ship's carpenter had again attempted to land stock with the dingy and the result was the "Young Bobby" one of our best horses was drowned. But for the willingness and energy displayed by the Carpenter in landing stock I should have censured him [?] solely attributed to him. My English terrier dog carelessly left on shore by Homeyer was found dead on the beach. Track cleared through from landing place to well. Teamsters sent on shore in charge of W^m Rowe sent to take care of and water stock. Squall from South East at about 2 pm with thunder, lightning and a little rain. Self still suffering from bilious attack – no other illness of importance on board. Most of the country thickly timbered, grass long and of but little service for stock. Visited in the evening by two native boys in a canoe. Breeze NW Bar 29.9 Ther: from 92° to 96° in shade.

7 February – Sunday Service on board at 9.30 am. Officers and men allowed to land in the boats. The two natives who visited us last night took them to where we had already sunk a well. McIntyre was brought on board suffering from suppression of urine and in great pain, but obtained relief on remedies being applied by the doctor. First alligator seen this morning. Men who slept on shore last night report that they were undisturbed by mosquitoes and rested well. Self still ill. One of the boats reported finding water at 8 and 11 miles, the first in the sand on a point at the West entrance of the Eastern Arm, the second about a mile and a half to the north-east of the mouth of the arm, at the foot of a nodulous rise, skirting low swampy land beyond the mangroves fringing the reach – the distances however were exaggerated, the first being 5 ¼ miles and the second, 7 ½ miles from Fort Point.

8 February – Monday Landed with well party at 6.30 am and erected tube-well apparatus at the well on the flat East of Fort Point, but were only able to penetrate about eight inches. Mem: This apparatus is only suited for alluvial soil. Left well sinkers at work to sink by the ordinary means and proceeded ENE examining country with Burton and Moyses in search of a more favorable site. Found a suitable place for sinking with every appearance of water at a few feet. Whilst examining the country more particularly, Burton came on a small creek with about a quarter of a mile of running water – the water very good, and watercourse dying out at the edge of the mangroves. Returned to well party and left Moyses to continue operations. Examining for road at Fort Point, on arrival found that the weak bullock had died and that Bennett the teamster had been taken suddenly ill. Remainder of stock safely landed from vessel. Timber cutting going on satisfactorily, also clearing of rock from landing place, preparatory to the construction of a small jetty for landing goods. Fixed the working hours of the parties from 7 to 11 am and from 2 to 6 pm. Sent the remainder of teamsters and stockmen on shore – the horses and bullocks to be removed to Horse Gully tomorrow where there is better feed and an abundance of water; the stock to be tailed by Holland, Hemming and Hood under Alick Kennedy. Horse fittings being taken down and rafted ashore, clear of high-water mark. Cases got up from hold preparatory to landing such as are required. Self still unwell. Progress of all parties, with the exception of well party satisfactory. Squall from SE accompanied with thunder lightning and rain at 10.30 pm.

Doctor reports six cases including three already mentioned and Samson who was bruised by the horses rushing past and knocking him down. Bar 29.85 Ther: 92°

9 February – Tuesday Breakfasted and parties proceeded to work by 7 am Men on vessel getting up tools etc. Invalids improving Wind NW Surveyors completed traverse of site to include township Draftsmen engaged plotting work sent all the stock to Horse Gully Bullocks drawing timber for jetty till 11 am Landed after dinner and examined the progress of the various parties – found timber cutting clearing, and landing parties progressing satisfactorily Naturalist out collecting Brooks engaged taking photographs Well party have done no work save to erect a shade and rough wurly since yesterday at noon; cautioned them and sent Mr Woods to examine and measure work done and Mr E.M. Smith to see that they continue their work. Arranged for shoeing horses for Mr Mitchell's party and returned to vessel Mr Mitchell is to organize a party consisting of himself, Mr S. King, Mr Brooking, Mr Cadet Greene (?) and R.A. Horn, who will start on Wednesday morning with five saddles one led and three packhorses and make his way to the rocky bar about 13 miles south of the entrance of the Eastern Arm, Port Darwin to note the natural features of the country as he goes – to endeavour to keep upon the high ground so as to obtain a practicable route for a line of road from Fort Point to the rocky bar, and where the country is intersected by creeks, impracticable for drays, to note places where fords or bridges may be most easily constructed He will take with him a week's provisions for five men, and three pnds of barley for each horse to be given at night. Should I fail to meet Mr Mitchell on the evening of the 11th or at latest by noon of the 12th, he is then to proceed to Fred's Pass, examining the country for route as before At this place he will sketch in the natural features and return thence to Fort Point noting the most available route for dray traffic and the impediments that exist thereto he will take a sextant and artificial horizon with him to enable him to fix latitude of camp, taking such bearings of his course and the distance travelled as will also enable him to give the approximate longitude

Bar at 4.30 pm 29°67 falling. Ther: 88° under windsail. Sent boats off at once for the men on shore, but a heavy storm came on before they could be brought on board – A squall from S going round to the SE with thunder, lightning and heavy rain. The bar fell two-tenths on rising of the storm but again rose to the same height on the breaking of the squall which lasted one and a half hours. Part of the men got off safely before the squall came on, and the remainder shortly afterwards during heavy rain; the drizzle continued for some time with very vivid lightning. The doctor reports invalids going on well, including self, nine cases. Mr Beard fell down the fore-hatch after dark and broke one of his ribs which the doctor at once set. The accident was the result of carelessness more than anything else. In the evening gave written instructions, and plan of the country to Mr Mitchell, who, as previously agreed upon is to start tomorrow morning. Samson, Lowther, McIntyre and Beard off duty
Bar: rose two-tenths on the breaking of squall.

10 February – Wednesday Went on shore at 7 am – Saw all right as to progress and started Mr Mitchell & party equipped as per arrangement. Mr King declining to go from alleged fear of return of fever, Mr Packard was substituted and Mr King censured for undertaking a duty for which he had not the moral courage to carry out. Mr King excused himself on the ground that he expected only to have survey work and not to have to sleep out in the open air at night. Returned to vessel. Doctor reports invalids *sic* doing well. Started with Captain, Doctor and boats crew for Talc head. Locality shown with general accuracy on marine survey. A dyke of quartz with plates of mica thickly embedded running from the East side (a little to S of point) to SW in the direction of the Shoal bay to the W of Talc Head. Stratified rocks, mica schist and micaceous sandstone visible in places on shore, the beds dipping at high angles and running from SSE to NNW. The cliffs are principally beds of indurated clays with anhydrous peroxide of iron and ferruginous sand stone. Vegetation similar to that at Fort Point. Not the slightest appearance of country being auriferous. Fresh water was obtained by sinking a few feet in the margin of a swampy hollow inside the coast cliffs about 300 yards inland from the point. The rocks, submerged at high tide are covered with a small variety of Rock Oyster. The glare from the sand

rendered the heat almost intolerable – the shingle on the beach consisting of talc, sand and coarse fragments of quartz; admirably suited for ballast, and can be readily obtained at any state of the tide by boats. Proceeded thence up Western Arm and found a good landing place available for shipping and discharging stores. The country so far as seen well adapted for construction of roads to the higher lands S & N of the “Adelaide”. A squall with thunder, lightning and heavy rain set in at 4 pm and continued till nearly sundown. Returned to vessel at 9.30 pm and found progress made by land parties satisfactory and invalids doing well. Self though thoroughly saturated for hours, feeling considerably better.

11 February – Thursday Parties proceeded to shore as usual at 7 am. Designed plan of township and set draftsmen to work preparing six copies for use of the surveyors. Invalids better. Proceeded to shore – returned and gave the necessary instructions for work to be carried on and started with Captain, Doctor, Mr A.H. Smith and boats crew to examine the Eastern Arm with a view to select a landing place and site for a township at the head of navigation. Doctor reports that patients are progressing satisfactorily and that he will be able to accompany me for a few days without any fear. Mr Hoare meantime attending to patients. It was arranged previous to starting that in the event of the doctor or captain being required on board two rockets would be fired for the former and one for the latter punctually at 9 pm – the doctor’s watch being set to same time as cabin clock. Went up Eastern Arm as far as navigable until intercepted by overhanging branches. The water perfectly fresh above the bar and found the rocky obstructions more numerous than anticipated, and that the arm above had apparently only been sketched. Anticipated from what had already been told me that the mangroves would entirely disappear. Descended about a couple of miles down stream and landed through fringe of mangroves to ridge of land coming down to within about 10 yards of high water mark. Went inland about a mile blazing trees. Country undulating with small watercourses, soil brown sandy loam with nodules of ironstone – boulders of ironstone, quartz, quartz rock, and micaceous sandstone, frequently cropping out from the surface. The timber consisting of fan and corkscrew palms, various kinds of eucalypt, a few pines, cotton tree, a tree somewhat resembling the casuarina with long thread-like leaves, but free from knotty articulations, milkwood &c. the herbs and grasses of the usual description, hibiscus, indigo and other shrubs. Returned to boat, descended stream and again landed at a narrow opening through mangroves on North bank, which led to a native grave in a small opening above high water mark. Being still dissatisfied with this spot – the high tide concealing all rocky obstructions – returned to boat and ascended stream about three miles, examining banks narrowly, but mangroves extended further and further inland, so anchored for the night. At 8 pm fired rocket as agreed upon by Mr Mitchell and myself.

12 February – Friday Returned up stream at daylight having decided that the bar shown on Stokes’s chart must be at the opening to native grave, which afterwards proved to be the case. Landed with doctor, Mr A.H. Smith, Roberts and Burton. Made rough sketch of country about a mile on each side of landing place, including upper land of previous day and blazing trees as indications to Mr Mitchell’s party of our presence. Returned to boat at about 2 pm and heard a shot fired, answered and sent Burton and Roberts out, who returned with Mr Mitchell at 3.30 pm. Mr Mitchell had succeeded perfectly in his object without mishaps, and reached creek within a hundred yards of landing place, but his party instead of following, had run down the trees blazed by us on previous day, and reaching the creek at the opening cut by us and not finding Mr Mitchell there, had fired the shot which we heard. Having every confidence from the result of Mr Mitchell’s journey that he would satisfactorily complete the journey to Fred’s Pass, I gave him instructions to that effect with all stores in the boat we could spare and feed taken up for the horses, and he returned to his camp on a fine fresh water creek about a mile and a half ESE from our camp. His horses had done well upon the journey, and though wet nearly all the time, the men had suffered little inconvenience from this cause, or mosquitoes. Started at 6 pm for ship which we reached a little after midnight. Schooner not yet arrived. No signal light on the ship and though we fired a rocket and discharged a gun several times, the only notice taken was by

W^m Rowe who suspended a lighted lantern from the summit of Fort Point Found all asleep on board and no watch kept Mess^{rs} Woods and Harvey afterwards reported that everything had gone on well – that salt water had been got in a well sunk near the saddle and that the men had got down ten feet at well east of Fort Point

13 February – Saturday Men went to work as usual at 7 am Draftsmen had nearly completed plan of township Gave instructions to Mr Smith to plot the up-river survey and went on shore Well party down eleven feet; took ten gallons of water out – percolation from the bottom Withdrew Mr Smith from overlooking well sinkers Shore progress in satisfactory Observations taken from Fort Point by Mr McLachlan and pole and pile raised thereon There is one of the axemen again ill from the heat Engaged in the afternoon plotting work with Mr Woods A memorial was presented in the afternoon by the men, relative to grog allowance (vide correspondence) Visited well party and returned to ship Doctor reports ten cases today including Heir mentioned above, none serious

14 February – Sunday *Nothing of note in entry Only Met readings and Dr's report*

Ship "Moonta"

15 February – Monday Arranged for rations of landing parties and proceeded to carry out the same. The decision arrived at with respect to Mr Ass^t Surveyor Mills as follows: Mr Mills to join [expedition?] as to [future?] and to give [pledge of strict obedience?] in future. Mr King allowed to return to his duty Men went to work as agreed Camp equipage being got out for shore purposes Stables being completed, store commenced and landing place in progress Rations being got out Day hot Bar: 29.85 Ther 90° in shade Slight breeze from the West Invalids improving but many of the men have swellings from boils and slight abrasions of the skin from scratches while at work Doctor landed to see natives Pile on Fort Point completed Equipage for McMinn's and McLachlan's double party kept on board Donley the second cabin steward sent a request agreeing to forfeit wages if allowed a passage back by the "Moonta" He states that he had been badly used, constantly grumbled at and had too many masters Deferred decision respecting him Went on shore and saw work going on as arranged The well party had got down about 14 feet The water previously obtained proved to be a drainage from the N side and appeared to be less that on Saturday Returned to vessel at 7 pm Doctor reports 8 cases, none serious Wind NNW Day hot Mr McLachlan reported in very favorable terms of Cadet Wells – decided that he and Cadet Bee should be transposed as to grade from 1st inst. Wells to be senior and Bee junior.

16 February - Tuesday 11 am Survey of road and township commenced Landing nearly completed Doctor saw all invalids Draftsmen engaged on board at plans Strong wind from the West Bar: 29.83 Ther: 90° Fine weather All residing on shore except self, doctor, Mess^{rs} McMinn's and McLachlan's double party, draftsmen, accountant and storekeeper Left the ship accompanied by Captain, Doctor, Mr Harvey, Roberts, Burton and boats crew and 1.30 pm for South Arm Camped in boat at 8 pm Burton and three others slept ashore Higher lands with vegetation similar to the East Arm on the other side with pines and white cedar.

17 February – Wednesday Ascended to the Head of Navigation to the second falls. Higher land running to the ranges, tolerably open and some very good soil. Burton planted seed up the East Arm at the branch Timber, white cedar and a new variety of palm Either of these landing places good site available at lower bar, up to the South end of fish bottom Descended stream carrying boat over the first falls and anchored - dined and landed on east bank The land above the second falls is about a hundred feet above the bed of stream Descended the stream and landed at an ironstone boulder on the east bank Went inland and found similar vegetation and nodulous ground – timber as before – three varieties of palm, white cedar and few pine grevillia, eucalypti, hydentherger (?) etc, with the usual shrubs and rank grasses Sailed about a mile down stream and landed at west bank south of a rock in midstream Tide here rises about sixteen feet at springs Ascended up stream about half a mile to a fresh water creek and went inland over swamp with usual vegetation A few pines with a good

deal of iron bark on both sides of the stream. Returned to boat and sailed down stream against the tide with every appearance of a thunderstorm coming on, which it eventually did at about 4 pm and lasted two hours. Anchored till passed over and then proceeded to last night's anchorage and camped. Mosquitoes and sandflies troublesome.

18 February – Thursday Started at 7 am inland in an easterly direction for a mile to a large timbered swamp at the [far?] north of camp cliffs and backed by high cliffs to boat. Vegetation as before. At waterfall some beautiful varieties of convolvuli, large quantities of iron bark, paper bark, palms &c – grass as before. Some very good soil inland consisting of nodulous ironstone. Embarked for ship at 9.35 am with a strong wind accompanied by thunder, lightning and very heavy rain. Did not arrive at ship till 10.18 pm – all well.

19 February – Friday Squall at 3 am. Men went to breakfast as usual and then proceeded to work. Well party down 19 feet and then were obliged to timber the sides. Bennett one of the well party still with bad foot. Survey parties engaged cutting road up to well, surveying township lines and putting up store. Men nearly all well except a few suffering from boils. Schultze the naturalist has obtained some very good specimens. He complained of impertinence from Homeyer and the latter was informed that if he again offended, he would be discharged. Returned to ship and arranged for discharging cargo &c. Bar at noon 29.75. Ther: in the shade 90° and under windsail in cabin 86°. Went on shore and arranged for landing stores tomorrow. Framework of store put up, also wall-plates, beach end and part of north end. The blacks brought in only three sheets of bark but profess themselves willing now to get more – agreed to give them another trial. Surveys of town lines brought in and plotted. Mr Mitchell returned in the evening – successful and without casualty. Draftsmen engaged plotting work at night. Self deciding finally on place for township and Port, Doctor reports fifteen cases, none serious except painful abscesses in the finger and hand (Thecal abscesses). Yesterday 5 cases; Wednesday 17th – 16 all trivial and on the 16th, the day we left the ship, a total of 16. At 8.40 pm Dr and self went on shore to see Dalwood, hurt by a fall from the branch of a tree.

20 February – Saturday Commenced landing stores. Men employed cutting timber, landing stores, erecting store, surveying and road making. Draftsmen plotting and writing. Stopped work at 5 pm. Following memo to officers and men: “The Surveyor Gen^l begs to thank the officers and men of the party for their ready aid and constant endeavour to keep up proper discipline during the voyage and good fellowship amongst themselves. He also wishes to express the satisfaction he feels at the progress made since the arrival of the ship at this Port and trusts to be able to give all a day's holiday after the cargo has been landed and stored. When they will assemble to wish the Captain and officers health and a speedy and safe voyage home” Doctor reports twelve cases. Dalwood seventh rib fractured by fall last night. All going on favourably. Gave notice to close mail next Saturday morning at 7 am. Time to be extended to Monday sh^d ship not have sailed. Grey mare ill.

21 February – Sunday Doctor reports 4 cases. Mem: to make extra landing on E side of Fort Point. Horses now under care of Robinson.

22 February – Monday Bar 29.63, ther; 90° in shade. Discharging cargo. Men engaged at surveys, road making, cutting timber and landing stage. Well sinkers completed slabbing bad ground. Draftsmen at township plans and correspondence. Received Mr Mitchell's plan and report and two reports from doctor, relative to Bisulfite Lime and preserved meat. Completed designing Port township. Squall from S at 2 pm, wind with heavy rain and thunder and lightning. Doctor reports twelve cases, none serious.

23 February – Tuesday Men at work as usual. Self and Captain sounding Frances Bay from 7 to 9.30 am. Returned to ship and completed design of township. Draftsmen preparing working drawings. Received letter from Mr Woods relative to familiarity of men with natives. Took necessary steps to prevent this in future. Bar at noon 29.67 ther: 90°. Light breeze from WNW. Wrote memo to Dr Peel (1-69) with reference to men unable to stand work of party and to officers and men as to treatment of

natives Dalwood still ill – ordered on board Plans being completed for surveyors Heavy squall of thunder, lightning a little wind and heavy rain from S by E from 4.30 to 6 pm Draftsmen engaged till 10 pm. Doctor reports but 6 cases, none serious

24 February – Wednesday Went on shore at 6 am and gave plans and instructions re survey of township at Port to Mess^{rs} Woods, Smith, Harvey, Mitchell and their assistants. Mr Ringwood set to plot survey of Frances Bay. Draftsmen engaged at remainder of township plans. Accountant preparing for mail by ship to Adelaide. *Rest not important*

25 February – Thursday Started with Dr Captain and Mr McLachlan, Packard and two seamen for West Arm. Found good land – water on E side. Lat 2 minutes out as shown on Stoke's chart.

26 February – Friday Started on a walking tour of six miles Vegetation as before only with addition of honeysuckle and kangaroo grass. The tide had fallen 20 feet and the dingy had to be carried to the west side – landed and walked inland seven miles. Sketch of country as shown on Stokes's chart erroneous, the arms being further apart. Country same as on E side, but more honeysuckle on side near W arm. Was obliged to sit down and rest, feeling for a time much fatigue from weight of wet trousers, leather legging and the quantity of long grass to carry or step over each time. At 8 o'clock taking off leggings, started off for and reached the boat. Made for ship and arrived on board at 9.30 pm. Found the steward drunk, he had opened cases in my own and the doctor's cabin, [rifling?] one bot. Light wine, 2 of brandy and 2 ¾ bottles port.

27 February – Saturday Cleared out of ship. Dr remaining on board. Started inland. Camped at forked inlet. Mosquitoes and sandflies.

1 March – Monday Gave holiday to men. Sent Burton out for samples of timber. Disrated the steward. Mr McLachlan asked to have him as cook for his party and I consent. Schultze complained of Homeyer. Specimen of echidna brought in by black.

2 March – Tuesday Eight parties out surveying for township. Boat parties engaged fetching water &c. Mess^{rs} MacLachlan's and McMinn's double parties cutting wood for buildings. – lean-to adjoining store. Preparing for mail. Dalwood to go back by ship, invalided by doctor suffering from chronic bronchitis. Kennedy also sent back – dismissed for being absent from post without leave and disobeying orders. Rations for two sent on board. Steward's pay to go against passage money. Men to make themselves generally useful on board during the voyage.

3 March – Wednesday Slight shower at 1.30 am. Gave Captain memo relative to Dalwood and Kennedy, likewise respecting Charles Rennie's (one of seamen) drunkenness on 22nd ult. Rearranging stores. Doctor came on shore with Captain and shortly afterwards returned to ship. Sent Collard on board to be prescribed for. He is suffering from retention of urine. Party out cutting bark. Draftsmen excepting Hardy engaged nearly all night preparing for mail. Doctor visited patients before returning to "Moonta". The captain has drawn out further into the stream. Adam Gaire to be charged with time of blacksmith engaged mending spoon for him. Mail closed at 9 am. Doctor reports six cases, none serious.

4 March – Thursday Noon: men at work in field from 7 to 2. Camp parties employed as before. Moonta sailed at 10 am. Doctor came on shore at 11 am in dingy. Tuckwell engaged repairing boat. Men building lean-to adjoining store, carpenter's shop, &c, also cutting bark and carting wood and water. Bar at noon in store 30.03 ther. 6 pm 90°. doctor reports but six cases, none serious. Self engaged seeing to general work and proper arrangement of stores &c. draftsmen and Accountant made officers of the watch from 8 pm to 6 am.

5 March – Friday Up at daybreak. Field parties at work. Men engaged in store and getting up deckhouse, which Dr Peel now declares is unsuited for his purpose. Gave Mr Burnett charge of the meteorological instruments and got Burton to erect a shade for them. On opening case containing barometer found the mercury spilled and had not sufficient out to repair it. [?] to be charged to

Faulding and Co. Heavy rain accompanied by thunder and lightning come on at 4 pm and lasted till about 8 pm. Gave draftsmen deckhouse and Dr Peel my tent to reside in for the present. Bar at noon 30.02 ther 90° At 8 pm bar 30 ther 78°

6 March – Saturday Up at daylight. Field parties going out to work. Bar; at 6 am 30.03 ther 76°. morning fine. No sign of schooner from Fort Point. Weighed tin of preserved meat and found solid meat 4 ½ lbs, juice and fat 2 lbs and tin 1 ½ lbs. Total 8 lbs. Fitted up doctor's tent, cleared up camp, completed lean-to at end of store and completed fitting up barometer and meteorological instruments. Bar at noon 29.95. ther 86° Engaged in afternoon packing up instruments and arranging things in lean-to. Had again to insist upon natives keeping outside the camp. Issued notice in writing insisting upon having dogs tied up in camp at night. Doctor reports 7 cases, none serious. Half holiday to men. Storm threatened at 4 pm but passed off with a few drops of rain. No appearance of schooner. Grey mare ill with influenza and not likely to live. As I observe that no horse has yet recovered by what they call active treatment, resolve henceforth to give sick horses something to allay pain and then turn them out to nature.

8 March – Monday Field parties off at daylight. Started with Mess^{rs} Woods and Daly and decided upon water frontage and reserves for township. Returned at 10 o'clock. Black horse bad with what appears to be a sting upon the eye. Dressing at once applied. Palmer upset cart on sideling (*side of slope*) crushing tank, through carelessness going up hill. Mr Woods commenced survey of water frontages. Second lean-to commenced. Men finishing shutters, doors and pugging (*ie rammed floor*) of first (*lean-to*). Draftsmen plotting. Wind SE but light. Had cress from gully garden at dinner. No appearance of schooner. Altered hours of work for all to 5 am to 1 pm. Observed lat: var of needle and altitude of Fort Hill at night. Doctor reports 12 cases, none serious. Bar at noon 30.04. ther. 98°

9 March – Tuesday Field parties at work as usual Mr Mitchell finished running lines of his portion of township before noon. Worked out Lat of flagstaff 12° 28'25" S. Var: 2° 6'36". A slight shower about midnight. Men engaged completing flooring of store, erecting lean-to and burning lime and charcoal. Trying wood for pegs. Decided upon ironbark. Max^m Ther 102°. Min^m last night 76° rain 5/100^{ths} Arranging store, going over work with men and visiting invalids. Dr reports but eight cases, none serious. No appearance of schooner. Had to scold men for again being too familiar with the natives. Day very close and hot. Wind southerly.

10 March – Wednesday Mitchell closing survey. Self taking stock and rearranging store. Mr Wood's party laying out wharf frontages. Messrs McLachlan's and McMinn's double parties building western lean-to adjoining store. Messrs Smith's Harvey's and Mitchell's double parties in the field, and others engaged cutting wood and burning lime and charcoal. Draftsmen at work drawing. Mr Berry plotting diagrams. Mr Lambell preparing stationery for field parties. Wind S & W. Day hot. Thunder, lightning and wind but no rain from SW 4-8 pm. Rearranging store and taking stock. Mr McMinn complained of Nottage being lazy and inattentive. Hicks lazy and skulking. Ordered Mr Lambell to inform him that his pay would be stopped as Dr reports him fit for duty. Dr reports 7 cases, none serious. J. Lowther, Francis, Collard, Spencely and Hicks off work – Hicks without leave. Mr McCallum's books very defective. Maxm bar 29.874 Ther 100°. wind westerly. Minm ther during night 79°

12 March – Friday Blacks report two-masted vessel outside. Sent Sackwell in gig to see. Completed divisions A, B and C of store. Commenced D. instructed Burton to take lifeboat and long boat and go to Escape Cliffs and list all useful articles there, and bring back those immediately serviceable. To take Tuckwell, Douglas, Hood, Armstrong, Deane, Johnston and Edwards.

13 March – Saturday A light thunder storm with squall and a little rain from SE through the night. Burton and party started for Cliffs with boats at 6 am. Marked alteration in road to avoid pinch. Completing store arrangement. Men engaged at lime-burning, road and lean-to, surveys and marking of allotments as usual. Bar at noon 29.902. ther 93. Minimum during night 75.5. Arranged for Mitchell to survey road and mark boundary of park lands and cemetery on Monday; portion of his

party to remove camp on Tuesday morning if dray and road are completed. Draftsmen engaged on plans and diagrams. No sign of schooner. Half-holiday. Hicks to be surcharged rations and pay to be stopped from 10th inclusive. Rearranged messes as follows:

No 1	Surveyor General	}	Donnolly's		No 4	R. Price	}	Smith
	Dr Peel							
	Photographer							
	Draftsman							
	Accountant							
	Storekeeper							
	Asst Surgeon			<u>8 persons</u>				
No 2	Mr Schultze	}	<u>3 persons</u>			Bennett		
	Alfd "					Fry		
	Hicks					McAulay		
No 3	Asst Photographer	}	Bosworth			Moyse		
	Carpenter					Plaisted		
	Blacksmith					McIntyre		
	Asst Storekeeper							
	W. Rowe							
	Burton							
	Tuckwell							
	W. Rowe Jnr							
	Beard							
	Policeman (crossed out)							
	Hemming							
	Hayes			<u>13 persons</u>				

No 5 A.T. Woods
 Giles
 Bayfield
 Ryan
 Stanborough
 Johnston
 Burke
 Thomas
 Aldridge
 Keiley?
 Houston
 T. Horn
 Warren
 Houston
 Camp Keeper: Homeyer

Cook
 Haywood
 (?)

No 6 A.J. Mitchell
 Greene
 Walters
 R. Horn
 Collard
 Neate
 Cornish
 Draftsman Berry
 R. Knuckey
 Sprigg
 Guy
 Francis
 Kelly
 Ryan
 Edwards

Cook
 Spencely?

16 persons

No 7 Mr McLachlan
 C. Wells
 Ryan
 London
 Healey
 Ryan
 Holland
 D. Daly
 Bee
 Armstrong
 Irwin
 Gerald
 Stevenson
 Fisher
 Camp Keeper: Nottage

Cook
 Stevens?

16 persons

No 8 G.R. McMinn
 Brooking
 Musgrave
 C. Lowther
 McPherson
 Hood
 Samson
 Draftsman Hardy
 E.M. Smith
 Burden
 Hinton
 Willson
 Farrant
 Kruss?
 Packard

Cook
 Laycock?

16 persons

No 9 Mr Smith, A.H.
 Packard
 Richards
 Loveday
 Loveday
 Gunn
 Aldridge
 Mr Mills
 Beetson
 Hughes
 Ewart
 Lowther
 C. Lines
 ????????

Cook
 A. Guin?

16 persons

Draftsman Ringwood

No 10 W. Harvey
 McKay
 Barrow
 Douglas
 Colbet
 Armstrong
 Bennett
 S. King
 Roberts
 ???????
 Kersley
 A. Lines
 Fraser

Plaisted
 Cook
 McKenzie?

16 persons

Camp Keeper; Denis Heir

[NOTE: Names from "The Surveyors" not identified here: George Deane, axeman; J. Robinson, axeman; T.J. Bennett, well sinker; Brooks; H. Harvey; P.H. Burden; R.C. Burton, staff; A. Kennedy, staff; J.W.J. Gepp, farrier; J. Austin, axeman. W. Dalwood, axeman invalided home when Moonta left .]

14 March – Sunday Just notes on weather and no of cases for Dr. No appearance of schooner.[Then, very faintly – new line designated by slash:] Main camp/ Rowe / photographer / Accountant/ [Corp?]/ Black[smith?]/ Storekeeper/ Beard/ Asst Surgeon/ Bosworth[crossed out]/ [Donald?] [crossed out]/ Packard.

Tuckwell	}	Cook	Boats crew Midge		
Spooner			Miller		
[C. Miller ?]		}	Bosworth	J. Burton	
[J. Miller?]				Cook, {N?V?} Smith	
A. Smith				{	Spooner Cox ⁿ
Mr Cook					Tuckwell – Longboat & Gig & Dingy
[J. Barnes?]					Palmer
Palmer					
Kruss	}	One month	Miller		
Molloy			J. Burton		
Oborn	}		Cook		
Wilson			[M?] Smith		
			Price & Hayball		

[and a few other illegible names]

15 March – Monday Eight parties completing survey of township. Men employed completing store, at alteration of road, burning lime and charcoal, building shed and galley and altering wagon. Day fine but hot. Storekeeper giving out rations. Memo: to write to him officially for statement of rations issued since leaving

Adelaide to arrival here, and from arrival at this place to present day. Bar at noon 29.91 ther; 99° Solar 133.4 Min^m last night 75.5 for a short time only. Day hot, wind from SE in morning and from W in afternoon – died away at night. Dr reports 12 cases, none serious except Hinton, suffering from diarrhoea. No appearance of schooner. Arranged survey as follows: Mess^{rs} McLachlan & McMinn up East Arm. Messrs Harvey and A.H. Smith up South Arm. Messrs Woods and Mitchell Eastward. Rainfall last night .118 ther at 9 pm 98 Bar 29.95

18 March – Thursday 34 in rain yesterday afternoon. Men completing deviation of road, west lean-to, lime burning and cook's galley. Carpenter making medicine chests for parties. Field parties closing survey of township. Store put in order. Storekeeper making out statements and getting rations and equipage for Messrs McLachlan's and McMinn's double parties for east Arm. Sent Robinson out to horse camp to see sick horse. Morning cloudy with occasionally a few drops of rain. Boats returned at 5 pm. The *Julia* worm eaten. A few things only brought away from Escape Cliffs. Natives friendly. No appearance of schooner. Storekeeper after being censured over and over again, found utterly unfit or unwilling to perform his duty in a satisfactory manner. Had to make up his accounts with Mr Lambell. Invalids off work – Francis, Collard and Hinton. Brought from Escape Cliffs – horse shoes, bullock dray complete, and iron work of another, cap for observatory anchor and chain, wire netting, bullock chock chains, spokes and bowes, a few plants, a few bars of iron, 3-10 lbs nails. Articles left by Burton at Escape Cliffs – 400 bricks, 4 batten doors, 1 table, 2 do., doctor's weather board cottage, 4 rooms with six panel doors and pair of sash windows, 2 tables, 1 batten door, two forms, 3 horse drays (bodies only) ironwork only part good. Table and batten door, 4 heavy gates, bolts and hinges complete, Govt House weather boarded and lined in good order, 6 panel doors, 2 pr sash windows, 2 single back do., 2 tables. Armory in good condition. Store: 150 gal tank, 1 plough, batten doors and hinges, scales, 12 tent poles, old counter table panel, panel door, 2 sash windows, door on hinges, rafters. Well, 2 half tanks. *Julia* bottom good, punt cable. Mushroom anchor on beach, chain and cable – do. . Remains of gun carriage. 7 400 gal tanks fit to remove, 2 wheelbarrows, 2 stools. In garden, bananas, tamarinds, Tomatoes, Chillies, Pine apples &c &c.

19 March – Friday Unloaded boat at 7 am. Decided upon camp equipage, stores &c for each party. Store completed including both lean-tos. Mr McLachlan's party started for east Arm in boats at 3 pm. Draftsmen employed as usual. Recd diagrams No 1 & 2 of township from Mr Woods. Arranged store and ration books. Day hot. Bar at noon 29.9 ther in office 88. Wind westerly. Solar ther 140 Minm there last night 77 Burton brought back specimens of tent pegs used at township at Escape Cliffs – a very hard pepp^t gum. The worms had attacked all more or less but chiefly the sappy portions. They had commenced on heart of solid wood of one however. Went out and agreed upon main road to interior, boundaries of park land, cemetery and lands to be surveyed by Woods and Mitchell, and returned to camp. Engaged in evening with officers. Doctors report 14 cases all trivial. Complaint of Homeyer. Mr Mills cut his foot whilst bathing.

20 March – Saturday Surveys being carried out as arranged. The boats with Mr McLachlan's party had a fine breeze last night. This morning a steady breeze from SE. No sign of schooner. Minm ther last night 75.5. Noon bar. 29.98, ther 98 Wind Se. boats returned at 2 pm. Started with Mr Mitchell and Wm Rowe to mark out main road – did so as far as Prince's Creek from whence no further difficulty existed to Mitchell's and Wood's first Survey Camp at fresh water swamp on tableland. Dr reports 6 cases, none serious. Received Mitchell's diagrams Nos 3 & 4. A few drops of rain in evening. Arranged proceedings for following week.

22 March – Monday McMinn's party up East Arm. Self examined country on west side. Timber and grasses as before but soil poor – stony and sandy. Resolved to look for better site at East Arm.

24 March – Wednesday Woods preparing to leave. Smith and Harvey closing surveys. Teamsters putting up fence. Galley and cook house complete. Woods and Thomas left at 3.30 pm. Lambell with storekeeper assisting him with accounts. Berry making up travelling journal. Brooks teaching doctor's assistant how to record meteorological observations. Tuckwell started 4.30 pm. Doctor reports 5 cases including himself, all trivial.

25 March – Thursday to East Arm camp

26 March – Friday (Good Friday) Removed double camp and examined country as per traverse. Mostly gum forest, well grassed with a variety of other timber, herbs, shrubs, and grasses. Soil rich in places, ordinary in others. Examined river to lower bar and ridge to where the elevation gradually fell to little above that of the mangroves. Heavy rain in morning and during day. Did not complete examination until dark. Country as before – rather better – fine gum flats amid low ridges and small creeks of running water. Mr Berry plotting till 10.30 pm. Night showery. Doctor reports nine cases at camp including himself and assistant.

27 March – Saturday Gave Mr McLachlan instructions for survey of township and country lands. Returned to camp at Fort Point at 11.30 am. Rumour of schooner being in sight. Dr and Roberts had taken dingy without leave. Saw Mr Smith respecting allotments between Fort Point and Stokes' Hill (?) *sic* Error in previous survey (?) *sic* Schooner in sight at 1013 pm. Sent off Burton in gig to shew Captain best anchorage – and a note to Capt that I should be glad to see him on shore. Cancelled extra allotments between Fort Point and Stokes Hill and gave orders for South Arm parties to be ready to start on Monday. Schooner anchored at 2.45 pm. She proved to be the "Gulnare", the "Sea Ripple" having been condemned as unseaworthy. Went on board with the Capt and had "Midge" hoisted out into water and gave orders for boats to be in readiness to discharge cargo, and proceed up South Arm on Monday at low water. Arranged working parties at camp and boats afresh. Dr reports five cases at Main Camp – Mr Harvey an attack of dysentery.

28 March – Sunday Service at 10.15 am. Dr and Capt rode out to Woods and Mitchells camp. Dr reports Collard better. 5 applicants to him for medicine. Mr Harvey ill with dysentery yesterday and today, but a little better at night. Raining nearly all last night.

29 March – Monday Harvey better. 2 cases, neither serious

30 March – Tuesday 5 cases

31 March – Wednesday Hemming discharged for insubordinate conduct. Dr reports 2 cases

1 April – Thursday Warren and Houston sent in from Wood's camp for insubordination

2 April – Friday Started 11 am in gig for inlets E and SE of Lee Point. Explored first E of Lee Point to Head where trees interrupted further course. Mangroves and salt swamps. Mosquitoes and sandflies dreadful. Inlet S of Lee Point – numerous new shrubs.

3 April – Saturday Explored second inlet. Returned and examined country at Hightree (Casuarina). Fresh water swamps – small and large creeks. Dripstone Caves. Strong shallow stream near "Night Cliff" from [?] at Hightrees. Several shrubs – native melon and cape gooseberry. Very good soil and luxuriant vegetation to basin behind Cliffs. Wilson – fever from cold

4 April – Sunday Doctor reports Francis, Collard and Walters better at Mitchell's camp. Wilson better at Main Camp. Dr fell from horse.

5 April – Monday Squared up at Fort Point and started with Dr and Mr Berry, Burton, Hood, Deane. Teamsters for various parts and Messrs Packhard *sic* and Loveday on overland journey. Heavy rain after arrival at Wood's and Mitchell's camp. Drays did not get in up to midnight. Night fine. Drays arrived early on 6th.

6 April – Tuesday Started from Mitchells Camp at Lat 12° 26'30" ENE one mile. E 2 miles to west edge of Knuckkeys swamp extending 1/10 mile N and running ¾ mile to SSE about ¼ mile wide in the form of a crescent convex to the west. Country passed over open forest of ironbark gum string bark, Grevillia and several varieties of Palms and a tree resembling the Grevillia with a few other trees, a few herbs and the usual grasses. Margin of swamp 3 chains from edge of iron bark timber – long grass, herbs, a few screw palms and a small tree resembling the Grevillia growing at edge of swamp, boggy at margin, three varieties of Lillies *sic* growing in swamp together with a variety of Couth grass growing at the bottom of the water. Description of Lillies – 1 yellow with 5 petals and fringed leaves – 1 white with 4 petals fringed and 1 with white Launcelot leaves 5 petals and yellow stamina. Sort of country passed over generally good with nodulous iron on surface. SSE 1 ¼ miles to southern height of basin with honeysuckles on margin in addition to other trees. E ¾ mile about ¼ mile to top of ridge, vegetation thinner, soil more stony – nodulous ironstone more abundant; at ½

mile margin of flat bearing SE by E and NW by N flat swamp, total distance $\frac{3}{4}$ mile. E by S $\frac{1}{4}$ mile to valley running SSE with gums, palms, dwarf cypress, herbs and grasses. E $1\frac{1}{2}$ miles at $\frac{1}{3}$ mile over forest country to small flat running NNW and SSE with Ironbark Gum Grevillia, Malaleuca, shrubs, herbs, grasses and Palms - at $\frac{1}{4}$ mile end of swamp at $\frac{1}{2}$ mile edge of good open forest at 1 mile scrubby forest with coarser vegetation ground stony - at $1\frac{1}{2}$ miles creek from SSW E $\frac{3}{4}$ mile - at $\frac{1}{8}$ mile over stony rise of open forest to edge of sandy flat with iron bark gum stringybark, wattle, Palm, shrubs, herbs and grasses, at $\frac{3}{4}$ mile edge of lower flat with larger timber of a similar description with the addition of [?] cotton wood and honeysuckle, vegetation stronger and soil better. S $\frac{1}{4}$ mile over similar country E by S $\frac{1}{4}$ mile swampy flat. S & SE $\frac{1}{4}$ mile open stony forest at edge of swamp. E by S $1\frac{1}{4}$ miles to boggy ground with similar vegetation - S 1 mile along valley - W by N $1\frac{1}{3}$ miles - at $\frac{1}{2}$ mile edge of forest to edge of swampy flat NNW and [NW?] 1 mile to edge of swamp. N $\frac{1}{8}$ mile to Ridge Creek. N by E $\frac{1}{2}$ Mile up Creek.

9 April – Friday Started from Mr McLachlan's camp. True E 10 chains True north $1\frac{1}{2}$ miles along side of Park lands around the township. True E $3\frac{1}{3}$ miles. At 90 chains swampy flat at $3\frac{1}{2}$ miles McMinn's Lagoon and swamp. ESE 1 mile passing to south of McMinn's Lagoon at $\frac{1}{2}$ mile low rise with open forest soil depreciating to poor sandy and stony ground, the remaining $\frac{1}{2}$ mile flat basin with coarse grass and poor sandy soil. Low flat rise with a little better vegetation - soil light ground covered with nodulous ironstone - timber on rise Gum string bark, bastard peppermint Wattles palms and Ironbark. SE $1\frac{3}{4}$ miles - altered course to SE over low ridge with Gum ironbark string bark Palms and a great deal of coarse grass - nodulous ironstone on surface sward ferns in addition to other Timber. At $1\frac{1}{2}$ miles difficult travelling through long grass. At $1\frac{3}{4}$ miles over rather better country to low flat extending about 10 chains to the SSW. Ant slabs standing N and S. timber round margin of low flat or swamp. Wattles, Gum, Honeysuckle, Grevillia and Palms, a little water on surface of swamp. Had tree marked here. SW 8 chains - altered course to SW swamp shaped like a triangle longest side to the west. S 1 mile over ridge of Gum, iron bark and stringy bark forest - undergrowth dwarf fern with a few herbs and thinly covered with coarse rank grass, soil stony and sandy, country generally poor. SE 2 miles - at $\frac{7}{8}$ mile passed head of valley drawing to the Westward. At 2 miles SE country slightly improving. Timber Plum ironbark and the usual vegetation a little nodulous ironstone on surface of ground - $8\frac{7}{8}$ miles to fresh watercourse running SW and coming from the East. South $\frac{1}{4}$ mile - across creek

10 April – Saturday Eight and a quarter miles to top of spur SE $\frac{1}{2}$ E 3 miles along top of ridge running to South and very stony - $1\frac{7}{8}$ miles to east side of ridge - at $2\frac{1}{8}$ miles north side of spur sloping east - at $3\frac{1}{4}$ mile entering open forest of Iron bark and stringy bark with dwarf gums and rank coarse vegetation, surface covered with stones, ridges very stony - at $2\frac{5}{8}$ miles head of gully going south, country improving - at $2\frac{2}{3}$ miles gully going south over small rise at 3 miles, brow of spur falling to the SER and SSE $\frac{7}{8}$ mile down spur and along valley with ridge on either side country improving at $\frac{7}{8}$ mile watercourse from NE. NE $\frac{1}{3}$ mile to boggy valley from the north across watercourse. SE $\frac{1}{4}$ mile out and followed Mitchell's track at $\frac{1}{4}$ mile cut Lloyd's creek flowing NE. SW $\frac{1}{8}$ mile up valley on side of range. $8\frac{1}{8}$ miles side of range SSE to mile up valley. SE $1\frac{1}{3}$ miles - $\frac{1}{3}$ mile top of ridge covered with quartz rock - descended from ridge to edge of swampy flat - also to creek going to NE from SW banks from watercourse rising from swampy ground. ESE 8 mile to small tributary going NE from SW. SE $\frac{1}{2}$ mile - $\frac{1}{2}$ mile across flat with Gum, iron bark, Plum, Palms, cotton wood and long grasses. Soil light sandy loam to better timber and country with small nodulous ironstone. At 1 mile to Mitchell's track again - at $1\frac{1}{4}$ miles watercourse running from SE to NW and running to flat to E at $1\frac{1}{2}$ miles top of rise from whence wooded peak leans ESE - E 12 chains from whence Mosquito pass bears NE $\frac{3}{4}$ E about 1 mile distant. NW 7 chains skirting swamp - NNW 21 chains skirting swamp N 30° E 20 chains bearing to Mosquito Pass E 10° South

11 April – Sunday East 12 chains. Last 4 chains over swampy flat SE by S $\frac{1}{4}$ mile to Creek running East - NE, E, ENE, and $\frac{1}{4}$ mile through gap at Mosquito creek flowing NE and N. Se $\frac{3}{4}$ mile to saddle in Eastward ridge - slope stony with large boulders, quartz rock and fragments of sand covering the ground. Timber stringy bark plum and cottonwood with coarse vegetation and grass of better quality. Adelaide River and Plains visible to the Eastward range running N and S. Beatrice hills bearing NE. Mantons hill E with a few trees on SE slope. ESE 1 mile to sop of small rise on ridge at quartz rock near a Plum tree marked with a broad arrow. [?] [?] by

W and S by E. Freds Pass bears SSW $\frac{1}{2}$ W. bluff on range SW by W. Timbered peak in range north of Mosquito creek NW $\frac{3}{4}$ N. Western slope of Beatrice Hills NNE $\frac{1}{2}$ E. Eastern slope NE by E. Bold Hills on East side of Adelaide River. N. slope ENE. Southern slope E by S Furthest southern peak visible S by E. Flat topped hills behind Freds Pass. SW by S Mosquito creek running through Eastern ridge. NW by N – Portion of the soil passed over is stony with Kangaroo grass – and quartz rock – ridge extends from this Point to $\frac{5}{8}$ mile E of South. SW by S to end of Freds Pass ascended Mount Daly about 100 feet high covered on top with quartz and sandstone and chrysaline *sic* quartz rock. Bearing to Bluff north $\frac{1}{2}$ East direction from Pass of ground clear from swamp NNE direction of ridge from Mount Daly NW. NNW 15 chains. N $\frac{1}{4}$ mile. NNW $\frac{1}{2}$ mile. WNW $\frac{3}{8}$ miles to valley, N 1 mile along valley. N $\frac{1}{4}$ W $\frac{5}{8}$ mile along valley to outward track.

12 April – Monday Across Mitchells track at $\frac{1}{8}$ mile going south – on that course for $1\frac{1}{8}$ miles. At $\frac{1}{4}$ mile top of low rise, surface stony, at $\frac{1}{3}$ mile slight valley, at $\frac{1}{2}$ mile to grassy flat with stunted gums one mile across dray track going SE $1\frac{3}{8}$ mile over plain and slight rise to edge of swampy watercourse from SW. country well grassed stony on slight rise near watercourse – stunted Plums, Gums and Boxwood on watercourse. SW by S $\frac{1}{4}$ mile to rise at creek direction of rise SSW. SSW $\frac{1}{8}$ mile on spur near small watercourse. W $\frac{1}{3}$ mile – $\frac{1}{8}$ mile across tributary from South $\frac{1}{4}$ mile to East side of range running N & S $\frac{1}{3}$ mile on East slope of range summit too stony and precipitous for drays to pass on west side spur and gullies tend to NW. SE $\frac{1}{3}$ mile along East slope of range. S $\frac{1}{4}$ mile. NW by W $\frac{1}{8}$ mile $\frac{1}{8}$ mile up spur to top of range running N & S SW $\frac{1}{8}$ mile over gully going N. NW $\frac{1}{8}$ mile over gully North to top of Spur. SW 5 chains to head of gully. W $\frac{1}{3}$ mile – $\frac{1}{3}$ mile to watercourse flowing south. Timber Ironbark, Gum, Box acacia, Plums 3 kinds of Palms and luxuriant vegetation. Soil in ranges stony in valley good – some good timber – W $2\frac{5}{8}$ miles at 10 chains low spur running to south with peculiar knoll of ironstone 100 yards North at 35 chains and $\frac{1}{2}$ mile low rises to N and open forest well grassed. At $\frac{5}{8}$ mile crooked ridge [H^d?] of valley going SE $\frac{7}{8}$ mile to top of ridge. At 1 mile have patch of ferruginous sandstone. At $1\frac{7}{8}$ miles country falling to W highest to N At 2 miles small ridge running N & S country undulating over slight rise valley draining to SE. open forest with palms, wattle, Grevillia, Gums and Ironbark, undergrowth not so thick. Surface of ground arranaceous (?) shale and ironstone. Country more undulating with bare patches at places destitute of vegetation. At $2\frac{1}{4}$ miles top of rise with ridges of quartz rock running N & S. at $2\frac{1}{2}$ miles slight descent to lower level of plain. At $\frac{5}{8}$ mile stopped by E side of Swampy flat with water draining to NW. SE $\frac{1}{4}$ mile round swamp. SW $\frac{1}{4}$ mile. W $\frac{7}{8}$ m. to watercourse flowing WNW. S $\frac{1}{4}$ m rounding swamp. SE $\frac{1}{2}$ miles. S $\frac{1}{2}$ mile. SW $\frac{1}{3}$ m W. 1 mile NW $\frac{1}{4}$ mile N $\frac{1}{8}$ mile on W side of swamp. Open forest country. Camped at this point. The horses seemed to be very fond of a plant like a small vetch or tare.

13 April – Tuesday W $\frac{3}{4}$ mile to swamp WSW to ck. SW $\frac{1}{4}$ mile to another branch of swamp coming in from N. S $\frac{1}{4}$ mile rounding swamp SSE $\frac{1}{3}$ mile rounding swamp. SE $\frac{1}{4}$ mile do ESE $\frac{1}{4}$ mile do E $\frac{1}{8}$ mile to avoid swampy ground. S by E $\frac{1}{8}$ mile head swamp. WSW $\frac{1}{3}$ mile to low range forming water shed to N & S SSW mile across valley running WSW and SW $\frac{7}{8}$ mile WSW to flat. SW $\frac{1}{8}$ mile to deep creek “Barry’s Creek” flowing WSW with tributaries from E and SE. S $\frac{5}{8}$ mile. SW $2\frac{3}{4}$ mile country more open. Timber ironbark, gum plum grevillia and palms. Soil light coarse grass. $\frac{5}{8}$ mile slight watercourse from NW. vegetation improving. Abundance of kangaroo grass and other grasses. At 1 mile timber taller thinner and closer together. At $1\frac{1}{4}$ miles palm scrub with wattles and stringy bark. At $1\frac{1}{2}$ miles country more open, long grass. Country beings to fall to SW. $1\frac{5}{8}$ mile slight valley draining to NW. at 2 miles valley draining from S to N. At $2\frac{3}{4}$ miles larger watercourse from S and SE flowing N named “Packard’s Creek. W $2\frac{1}{4}$ miles dry watercourse at $\frac{3}{4}$ miles flowing N & S. At $1\frac{1}{4}$ miles dry creek with ferruginous sandstone in bed running N. At 2 m. ironstone on surface destitute of vegetation. At $2\frac{1}{4}$ mile altered course, country falling to the northward. WNW $\frac{1}{2}$ mile grassy basin, palms, stunted timber and swampy ground. At $\frac{1}{3}$ mile WNW course for 1 mile, slight valley draining to NNW. At 1 mile swampy valley draining from S to N about 15 chains with grass and a few trees. SE $\frac{1}{8}$ mile to opposite quartz reef running SSW & NNE. SSW 8 chs over rise running across course. ESE 8 chs. SSW $\frac{1}{4}$ mile to more elevated plateau of tableland. Main range about 40 chs distant. SW $\frac{1}{4}$ mile narrow swampy flat from range SE $\frac{1}{4}$ mile crossed dry watercourse direction ESE, WNW and NW $1\frac{3}{4}$ miles W, NSW, SW & SSW swampy country from E.. Skirting swamp S 5 chs across dry creek. WSW 15 chs to edge of

swamp. SW 7 chs to swamp. S 8 chs to swamp. SSE 8 chs across a gully coming SE from Range. S 15 chs to Lagoon going from SE to NW. NW 4 chs on ridge. NW 40 chs on supposed E bank of the Darwin. Camped here.

14 April – Wednesday *continues in same vein. Hard copy available, but not typed*

16 April – Friday *written on page for 15th April but this date and day crossed out.* Left Smith's camp for Fort Point. Arrived there at noon. Progress unsatisfactory in my absence – natives again too familiar and more numerous. Had work rearranged and brought all men inside the fence. Found two Malays in Camp the survivors of a wreck and brought to Camp by Mira who had interfered and saved them from being speared – ordered Mira a ration for his humanity. The Doctor to attend to Malays until they have recovered. The account the Blacks give of themselves is rather a disjointed one so far as we can make out. They were wrecked in a proa to the westward – total 42 persons – remainder save the two in question speared by the Blacks. Burton who understands a little Malay to get statement prior to sailing of schooner. Doctor reports two cases at Depot.

17 April – Saturday At Main Camp. 9 cases at main camp.

19 April – Monday Left Camp at Fort Point at 6.30 am with head wind for Smith's camp, arrived at noon. Survey of township complete. Mr Smith preparing to remove to Tumbling Waters. Observed Latitude 12:43:43 south and accurate position of camp. Captain photographed reach of South Arm. Dr reports all well.

20 April – Tuesday Moved to Tumbling Waters and started with Mr Smith, Burton, Hood and Deane to explore country to the south. Found it more open but much as before. Same timber and vegetation but soil lighter. Named hill near Tumbling Waters 'Arthur's Hill'. Examined country to Darwin River and camped on one of the flats draining into South Arm.

21 April – Wednesday. Continued examination as far as Latitude 13° south and westerly to South Arm near to source in rough ranges, the valleys in which were exceedingly well grassed and good soil. The ridges North and South and abrupt dykes of quartz rock running north and south along ridges and spurs like rough walls to edge of plain. The ridges rough and [?] but covered with the usual vegetation. Doctor reports two cases.

22 April – Thursday. Continued examination north and westerly country as before. All well at Depot.

23 April – Friday. Continued examination of country north and easterly. Country on fire to the north. Fires lighted by Survey parties to burn grass on table land. Northerly towards Tumbling Waters the ground to the west of South Arm poorer and more sandy except in the valleys or flats. Reached camp at Tumbling Waters about noon. Captain Sweet taking photos. Left detailed instructions for Mr Smith. All well at Camp.

24 April – Saturday. Started at 4 am for Fort Point. Arrived at noon, sailing from Tumbling Waters for 3 miles towards township in dingy when we embarked on board *Midge*. Found all right at Camp. Progress of men more satisfactory. Doctor reports 3 cases.

25 April – Sunday. Self suffering from chaffed joints, bad feet and severs pain requiring very active treatment by Doctor. Better towards night but obliged to remain quiet. Doctor reports 2 cases.

26 April – Monday. Calculated averages of work to be done in the field and sent statement to Surveyors Woods and Mitchell. Men at work as usual. Self a little better. All well at Camp.

27 April – Tuesday. Doctor reports 1 case.

28 April – Wednesday Sent boat for Coral – obtained some poor specimens. Men at Camp at work as usual. Woods, Mitchell Thomas and Knuckey came in to remonstrate as to high average fixed for work, pleading climate, nature of country and impossibility of making extra pay though they were working twice as hard as they did in South Australia. Went into figures with them – slightly modified average, but only to extent of my calculations and gave alternative if men were still dissatisfied to break up their parties and I would do the work myself. A clerical error had been made in calculating the rate of pay for extra work which had made

them more dissatisfied; they departed for their camp at 10 by moonlight. Captain going with them to take Photographs.

29 April – Thursday Sent again for coral – none obtained – water too muddy. Blacks all disappeared yesterday morning but returned again today. One [talinga?] threatened to spear Mr Schultze for not giving him tum tum (food) but was prevented by Bellamuck who also dissuaded Mr Schultze from getting his Revolver – saying ‘no good no good’. Mr Schultze moved his tent to within the fence and had no further trouble. He had preferred to keep outside before. Men obtained a canoe, paddles &c from a native for which I gave him a tomahawk and a little food. He would have sold all he had save only some dry human bones which the Dr coveted but which he was not allowed even to look at. Moved into one of the Iron houses. Doctor reports five cases none serious.

30 April - Friday Doctor started for South arm on Midge to bring down letters and diagrams and to see party. Mr Bagot for Elizabeth with same object – at work all day preparing for Schooner Mail. I have determined to send the Schooner to Adelaide. Iron house though painted dreadfully hot – 100° Fahrenheit from noon till 4 PM then gradually declined to 80° Doctor reports five cases none serious.

1 May – Saturday Gig returned with letters and diagrams from McLachlan and Mitchell’s parties at 1 am. The diagrams do not include all the work done. Mr McLachlan returned four Tents, some net and a few articles not required by him, into store. Examining diagrams and Progress reports. Dr reports one case, trivial.

2 May – Sunday. Mess^{fs} McLachlan and McMinn came into camp. See Woods and McLachlan’s correspondence relative to areas. Dr returned from South Arm and Captain from Woods and Mitchell’s camp. Dr – 2 cases and 1 at Tumbling Waters (Packard).

3 May - Monday Examining diagrams and plans and preparing for Mail. Sent off horses to McLachlan’s camp. Doctor – 2 cases including R C Burton suffering from acute diarrhoea.

4 May – Tuesday. Closed Mail. Diagrams and Plans completed. Burton improved. No other cases

5 May – Wednesday. Sailed at 7.30 am for Smith’s camp. Schooner sailed for Adelaide at 11.20 am – light head wind. Arrived at Smiths camp at Tumbling Waters at 4 pm. Looked over work and left instructions – all well. Errors by Packard and McKay. Dr – 2 cases. Burton not quite so well.

6 May – Thursday From Smiths camp to Fort Point... Letter from Woods respecting Survey and Teamster. All well at Camp. Arrived at 6 P.M. – 12 hours sail – what with carrying Dingy over falls and headwind and Tide./ Mr Brooks exhibited stereoscopic negatives taken by him – apparently good./ Moyse stung by scorpion – attended to by Doctor. Donald reported operations at well/ Hayes at Garden/ Doctor reports two cases. Burton improved.

7 May – Friday Proceeded to Mitchells camp and thence to Woods main camp – only Cook there with all stores – remained all night. Mosquitoes troublesome. Doctor reports three cases. Cook seriously ill – fever – by evening improved. Donald McAulay accident from negligent use of gunpowder

8 May – Saturday Started on foot at 4.30 am with Rowe and got to [out?] camp on Howard just as Mr Woods left – gave instructions as to survey and limit in that locality and returned to Main Camp (?) *sic* allowance of Quinine to be sent upon [16th ?] to the Elizabeth. Returned to Mitchell’s camp and gave similar instructions. Thence to Main Camp. Blacks had been troublesome. Doctor had organised double watch – app^d and [?] issued circular – placed organization of watches under Doctor and that in my absence he was authorized to act for me. Doctor reports four cases. Cause of dispute or annoyance with the blacks – Theft of Bread and indiscreet conduct of some of the men who became flurried so the Doctor reports. Mira also an object of annoyance to them.

9 May – Sunday At Fort Point. Dr read service at 10am. Mira went away – all quiet at camp. Doctor reports three cases.

10 May – Monday Set men to work at 7 am and Rowe and McCallum to go with [?] to Mitchell's Camp, putting him on his guard against Natives also to bring two bullocks into Main Camp. Iron stores being packed with [corn?] No black visible. Rowe and Mr MacCallum *sic* returned at night with one bullock. Doctor reports one case that of his assistant, R C Burton convalescent

11 May – Tuesday Set Macaulay and Moyses to work to try for water in gully where Screw Palms are, east of track. Carpenters completing 7th house to receive balance of grain. Stores in preparation for Elizabeth and South Arm and for exploring country to South/ New well down 7 feet, appearance of water clay moist. Men completed 7th store and stowed greater part of barley. A few blacks returned at noon bringing specimen of bat for Schultze. Storekeeper preparing rations for June. Plans completed for South journey. Decided that Schultze and his son should accompany me. Burton is good deal stronger. Doctor reports but one case that of his assistant. Burton continuing to improve.

12 May – Wednesday Men at work as usual. New well down fifteen feet in Mica schist, clay and anhydrous p.oxide of iron – no water. Storekeeper preparing rations for "Elizabeth" – preparations for Southern trip completed. Detail of work to be done given to Doctor, who is to act for me in my absence. A few shallots from Garden. Dr reports but one case, Mr Hood. No Blacks at camp today. Burton better. Mr Hoare improving.

13 May – Thursday Left Main Camp at noon for "Elizabeth" – arrived there and Camped. The horses not being there as ordered. Doctor left to act for me at Fort Point during my absence Found on the bank of River, two tarpaulins over missing stores, carelessly left by parties (Woods)/ Dr reports two cases – trivial. Extract from Dr Peels Report dated 14 June 1869. Surveyor General and party left camp at noon. Day and night watches reorganized.

14 May – Friday "Elizabeth" to MacLachlan's out camp, thence to his Main camp Out in afternoon checking surveys – sent out to look for lost horses, which Burton found and returned with in evening. Sent for McMinn, Daly and Smith and issued necessary orders respecting survey &c./ MacLachlan's camp called "Three Wells"

Extract from Dr Peels Report: Went to Doctor's Gully for water in dingy. All the men fully engaged at various works. About forty gallons of fresh water was obtained from the main well close to the Camp. A few natives about, chiefly women and children. Long boat returned at noon, was reloaded and started again for East Arm. Mr Brooks went in [it?] Wells fell off cart whilst driving on the beach from Jetty, the wheel passed over both thighs, cart not loaded at the time and accident occurring in soft sandy place, Wells came off with only a slight bruise.

15 May – Saturday At Three Wells camp – out examining Surveys &c. Thence to Woods' and Mitchell's camp at Freds Pass. Received letter from those Gentlemen, from Bullock Driver whom I met on the way, respecting survey, mileage, &c – answered verbally that I would have nothing to say further until the Survey was complete and that any man declining to carry out his agreement should be at once dismissed. Arranged for survey of small Township at Pass.

Extract from Dr Peel's Report: Rowe and party went for water with dray to Doctors Gully. Men variously employed. Wellsinkers still engaged at well. Wells having lost his Mosquito curtains and other articles by Theft, supposed by natives, ordered him seven yards of cheese cloth for new curtain. Issued order for Revolver Practice at 5 pm – Longboat returned about 8 pm.

16 May – Sunday. Returned to McLachlan's camp.

Extract from Dr. Peel's report: "1.45 am aroused by a Rifle shot and at once went out and found that a Carbine had been discharge by accident. Mr Greene came in from Mitchell's camp with horses. Held Divine Service at 5 pm.

17 May – Monday MacLachlan's camp to McMinn's on "Elizabeth", examining survey &c/ Wrote to Mr Woods respecting junction of his work with that of McLachlan & McMinn/ Dr reports two cases – one at main Camp and Cadet Green from Mitchell's camp/

Extract from Dr Peels Report: Men engaged at various works. Blacksmith shoeing three horses for Mitchell's party. Mr Green wished to leave one of them behind and take one of the Main Camp horses – refused. Requisition from Mr Green for shoeing tools for party, granted on condition that they are returned if Mr Woods' party have a set. Mr Green left camp at about 2 pm – wished for a man to go with him to watch the [tents?] – refused. 8.20 pm. Squall from Eastward with rain, lasted until 9.30 pm

18 May – Tuesday “Elizabeth” to Harvey's works thence to the Township on “Blackmore”/ Boat arrived at night with news that one of Kruss' horses had died./ Doctor report two cases

Extract from Dr Peel's Report: Midge returned at 2 am with Mr Brooks, Nottage, Schultze and son. Men engaged as usual. Received letter from Surveyor General and issued necessary instructions contained therein. Life boat despatched to East Arm with [Spooner, Brans?] and A Smith. Midge to South Arm with Mr Berry and rations &c for Surveyor General and party. Life boat left Theodolite legs on beach. Rain fall last night .565 inches

19 May – Wednesday Let McMinn have Buggy and two horses, with Gepp for use of McLachlan's combined parties. Started for Tumbling waters/ Doctor reports three cases, including J.H. Packard sent down by me from McMinn's camp. Barlow off work on sick list from 9 am

Extract from Dr Peel's Report: Men engaged variously. Tables and forms completed for Tradesmen's Mess room. Messes rearranged. Life boat returned for Theodolite legs and left again immediately. Barlow unwell and off work since 9 am. Midge returned about 7 pm bringing J Packard to be treated for bad thumb. Had new rest made for Solar Thermometer.

20 May – Thursday “Tumbling waters” to Smith's out camp and examining survey – gave instructions for alteration. Thence to Harvey's out camp left similar instructions and returned at dusk to Smith's/ Doctor reports two cases

Extract from Dr Peel's Reports: Men all engaged at various works. Barlow returned to work. Hose [“Dodd”?] blistered in off hock. Served out to each Mess all the Shallots brought from the garden leaving twelve roots for seed.

21 May – Friday Smith's out camp to “Tumbling Waters” Thence examining country to W, NW and SW and camped. Doctor reports two cases.

Extract from Dr Peel's Report: Men engaged at various works – nothing of interest transpiring.

Exploration Journal. Tumbling Waters Lat 12°14'0”/ Camp South Arm 12°43'43”/ From 10 chains south at Tumbling Waters went west. At 5/8 mile watercourse flowing ESE from NW over usual Forest land, rises stony, the soil light brown loam, grassy flat on each side of creek. At 2 miles over low forest rise to low valley timbers with “screw Palm”, Wattle, Grevillia and stunted Gum – usual vegetation. At 2 ¼ miles, to ridge of quartz reef, running E & S. At 2 5/8 miles to swampy valley – soil, more free from stones. Ant hills on this flat. At 3 1/8 miles – centre of low grassy valley, surrounded by low forest rises running NNE and SSW. At 3 ½ miles, to range – [to?] spears of ridge on West side of basin running N[from at E?] - valley to East. At 4 miles N point of range or bluff in range, apparently low watershed – ascended ranges 5 chains, south west. Ridges of quartz rock and quartz sandstone running SE to NW, on east side of a valley in the same (*INSERTION*: direction apparently draining to NW and about 3 miles wide to the) ridge on the opposite side. Hill ascended 400 feet high, above sea level (*INSERTION*: plain beyond, rough range to S, visible from the summit – usual timber) with a good deal of vegetation. NW 15 chains to saddle, in low point of range, forming low watershed. W ¾ mile for basin in range. W by N ¼ mile, over basin to another valley in range, running NNE. NNE ¼ mile, course down valley to swamp, with screw palms, with swamp thick grass, and stunted gum. NW ½ mile along well grassed flat to waterhole, on East side of flat filled by drainage from the SE. Waterhole extending to NW and turning to N and NE. NW 1 mile along creek – ½ mile SE up fully to top of ridge – ¼ Miles SSE down ridge – ½ mile E over valley draining to the N to low saddle, diving waters that flow NE – E ¼ mile – SE ¼ mile to point “A” – ½ mile S along range and down spur to valley. SSE 1 ¼ miles down flat with well grassed ranges on either side. NE ¼ mile through screw Palms – valley at this point about ½ mile wide. SSE ¾ miles to Bald stony hill

nearly clear of timber. ESE ¼ mile – SE ½ mile over valley, and small rise to watercourse running from WSW to E – this creek is named Palmers creek.

22 May – Saturday Continued examination of country SW to Lagoon Hill. Fired country and had a narrow escape – fire returning with great violence, consuming grass too green to burn, when first set light to, but dried by heat of first flames; by great exertion on part of men, saved horses, packs, &c – only a few articles burnt.

Doctor reports two cases

Extract from Dr Peel's Report: Men variously engaged. Boat went to Doctor's gully for water

Exploration Journal

Palmers Creek

Creek SW – started from south side of Palmers creek camp. Timber – Paperbark, gum, acacias, Iron bark, and Wattles, 3 kinds of Palms, and a variety of herbs and grasses – valley increasing in width to SW – low range to N and range about 2 ½ miles to Westward – at 1/3 mile to flat extending ½ mile NW and ½ mile SE, also to edge of timber on low rise – Timber – Honeysuckle, Gums, Grevillia, acacias and Wattles – at 55 chains spur from SSW rather stony and to NNW open flat, grassy with usual timber and vegetation. At [3/8?] mile over well grassed flat, light brown soil, flat running N & S. At 1 m. foot of low rise stony at ridge and followed[followed?] by a light sandy loam rise covered with old grass. At 1 mile 25 chains to edge of grassy flat, slightly timbered, from which is visible a high range 4 miles distant in a southeasterly direction –(this valley drains into previous one we camped in) At 1 3/8 miles to edge of stony rise – at 1 ¾ miles edge of flat, lower rises to NW open flat from SE, narrowing toward course – flat well grassed and with usual stunted timber on edge – spurs from [NW?] very stony At 1 7/8 miles narrow valley, with palms, from the eastward, boggy in centre – [?] branch creek from North-West a little N of waterhole, water running from the NW to the E – large creek flowing into branch creek from the S, flat about 1 mile wide at junction of creeks. At 2 miles edge of flat from the [W?] , well grassed – large lagoon flowing westward – course NW 25 chains up North edge of flat. West ¼ mile to east side of wide watercourse now bending to the NNW and North. A conspicuous hill visible from this point. At 1 mile W by S with bare earth and rocks visible under open timber and a similar rise visible two miles off to the NNW – range on opposite side distant about one Mile [?] S. – valley passing to the westward. Course N 1/8 mile along side of ridge – course west along flat 100 yards – flat coming from the north – course [?] 1 mile to conspicuous hill before noted, across flats and rises to waterhole flowing E. Purple slate N of waterhole [stretches?] North and South [83°?] in ridges covered with masses of broken stone – camped here all (night – *crossed out*) day and set fire to grass to clear passage to ascend hill. Started from Camp and ascended hill (Lagoon Hill) to point about ¼ mile SSW of waterhole [walls?] ridges of micaceous sandstone [?] with white quartz. Barometer on summit 29.62 Thermometer 90° direction of ridge SSW –conspicuous hill for trig station Δ. Waters from the SW and N draining [N or S?] of this into the Blackmore. Barometer at foot of Hill 29.76 – Hill about 150 feet high. Lat: observed at ¼ mile NNE of summit 12°50'18"

23 May – Sunday Lagoon Hill to River Finnis

Extract from Dr Peel's Report: Held divine service at 10.30 am – Everything quiet in camp.

Exploration Journal

Lagoon Hill

NOTE Page damaged by what could be ink spots. Course N 10 chains course west 10 chains across swampy flat, course west 15 chains to [?] [?] [?] of flat coming from the SW and NW – SW across flat 5 chains – Se by S ½ mile up valley to saddle NW of Lagoon hill – [?] 3/8 mile to [top?] of spur going NE and SE. 5/8 mile spur coming from [SW?] on NW edge of flat – Spur coming SW to NE at ¾ mile across point of flat – at one mile to top of rise of well grassed surface, ground stony. At 1/8 mile edge of flat well grassed, timber on flat iron bark, Grevillia, Plum, Palms – at 1 ¼ miles on west side of flat to Palms in bottom, at 1 5/8 miles altered course to SSW – along flat ¼ mile to waterhole, with high bank, with creek running into it from the East and one joining from the SW – Willows, Paperbark, Palms Lillies, &c in water. A bald hill visible to SE at about ¼ mile distant with a few trees on summit. SW [????] down stream over beautifully grassed flat, and branch coming [??] from the WSW – NB There is a splendid Blackwood tree growing at this point – Creek bends to Se at this point –

several varieties of trees, unknown, growing on banks of creek. SSW at ¼ Mile to branch creek from SW – crossed creek ; country in fork of creeks, boggy with stunted honeysuckles, &c and thick grass BOTTOM LEFT CORNER OF PAGE NEEDS TO BE COPIED

24 May – Monday Finniss to Bennett’s Hill and examining country adjacent. Doctor reports one case

Extract from Dr Peel’s Report: Being Her Majesty’s birth day it was observed as a public holiday. A Royal Salute was fired at 9 am; various sports enlivened the day. Grog served to all hands. A large Bon fire lighted on the beach in the evening, three cheers given for the Queen and three for the Royal Family.

Exploration Journal

River Finniss

South course at 3 chains to ford: over small watercourse coming in from NW. West at 1/2 mile to large waterhole, also to one a few yards further on course At one mile head of small gullies flowing into river from N and one from NE. At 1 ¼ mile to plain well grassed (took bearing to Hill that appears to be Mount Bennett WSW) – the plain timbered with stunted bushes, grevillia, palm and milkwood trees – WSW at 5/8 mile to watercourse from the NW generally running in a SW direction. At [3/4?] mile [?] rise, timbered with wattle, milk-tree and stony on surface. At 7/8 mile edge of flat coming from NNW – S 5 chains round swamp. SW 15 chains round swamp, with tall grass in centre and at ¼ mile same course; [?] from Swamp to River Finniss – WSW at 1/8 mile, head of watercourse, flowing SW also over low forest rise, at 5/8 mile to River. River flowing NW at this point about 40 yards wide. NNW at 7/8 mile, crossed creek north of Island in River. NW 2/3 mile along River to a creek from [NE?] – the river divides at this point into two channels forming an Island. SW ½ mile is a Billabong and old Native camp. N ¼ mile to small creek from the ENE, at ½ mile same creek coming from valley, from the N – N by W at ¼ mile to small creek running into river – ¾ mile along the bank of River to small watercourse from the N to open flat with open timber, honeysuckle and cotton wood trees. NNW [1/8?] mile to bend in River. West 30 chains along bank of River – NNW [?] mile to small [false?] channel N of River – WSW 1/3 mile to open bushy plain, from whence red range bore WSW at about 1 ½ miles distant. Peak in gap of range bearing NW ¾ N. NNW ½ mile to creek from NE – creek running (possibly 4 mile creek). At 1 ¼ miles over low forest rise and along the SW side of open grassy flat, to south point of spur to the SW. WNW 5/8 mile to bank of River heading for gap in range. At 35 chs to watercourse flowing into River from the East. NNE 1/8 mile to watercourse, from the NE. NW ¼ mile to head of watercourse, going west, near where it joins the Finniss River about 45 yards wide – saw marked Tree at junction of creek and River. Highest point of Mount Bennett, NW about ½ mile distant, fixed camp here at about 50 yards N of the River. Latitude observed by the Surveyor General 12°55’ 5”

25 May – Tuesday Examining country West of “Finniss”. Washed for gold at Litchfield’s crossing – 4 specks obtained. Returned to camp East of Bennett’s hill/ Doctor reports one case at Main camp

Extract from Dr Peel’s Report: 7.15 am Mr Thomas arrived in Life boat from East Arm bringing the unfortunate intelligence of the spearing of Mr Bennett and William Guy at Freds Pass by a party of the Adelaide River Blacks. Left with Mr Thomas in Life boat for East Arm at 1 pm and arrived at East Arm Jetty at 7 PM. MacLachlan’s Main camp at 10 pm.

Exploration Journal

Mount Bennett

West, through gorge, S of Mount Bennett to bar across River Finniss – ground sandy. Barometer at Bar 29.85, velocity of water at bar about 1 foot per second – channel 10 ft and 1 foot – sinking in stony sandy loam, mica quartz, wash and pipe clay over mica schist, obtained two specks of gold from hole, 20 feet above Litchfield’s. Sank hole in bar and washed two tons, no gold, quartz and sand. Mount Bennett from bar bears ENE. Mount Farrington ESE – timber, Gum willow, Palms, Bamboos and a variety of other trees – creek, ground sandy to west of gap. From bar to [west?] slope of Mount Bennett, ½ mile over sandy loam, with stunted gum, wattle, Grevillia, honeysuckle, [gumphryna?] herbs and grasses. Barometer at west slope 29.78 – at summit, 29.55 Rock – quartz, quartz rock and micaceous sandstone. Range running NNE and SSW. Plains to NNW till lost in distance, backed by low rise apparently going north. Belt of scrub at ½ mile, and low spur of range at one mile going N – “Hunchback” bears west about 14 miles – Table top, 20 miles distant N ¾ S – open view from N to W

– country almost level – E. S. & N points of range SW by W and WSW about 20 miles. The “Sisters” SW and SW ½ W about 8 miles – S by W ¼ W – Mount Passington(?) sic S ½ E about 2 miles – Distant range to SSE, about 30 miles with broken country and wide valley between

26 May – Wednesday Camp to Four mile creek. Gold washing – none found – camped/ Doctor reports two cases at Freds Pass. Mr J.W.O. Bennett, Draftsman, and Mr Guy, Laborer both suffering from spear wounds, from the Blacks

Extract from Dr Peel’s Report: Arrived at Freds Pass at 3 am. Found Guy with spear wound above the anus on left side – Bennett with two spear wounds in the back near to the outer edge of the left scapular, apparently only flesh wounds, they were not of much extent, the largest being about one inch and a half long, both were closed, and as he fancied there was little, if any, spear in them I did not deem it advisable to reopen them till I got him to Fort Point. At 6 am put Guy under Chloroform and removed spear head, after some difficulty which from appearances had been previously thrown and then picked up again as the point was gone. Had both men placed in Spring dray and started at 10 am reaching MacLachlan’s camp at 4 pm and as we could not possibly reach the East Arm to catch the night tide we stayed at MacLachlans.

Exploration Journal

Mount Bennett

E by N ¼ mile to edge of very well grassed, open flat, extending about ¾ mile to the North – At 34 chains to East side of flat – At ¾ of a mile top of stony ridge, from NNE going SSW, with stunted forest timber – at 7/8 mile, to well grassed flat from the NE to SW, passing over low saddle in range, about ½ mile to the NE. At 1 1/8 mile, Ridge running S from NNE. At 1 ¾ mile, slight valley running SSW. At 1 mile 65 chains, to ridge running SSW. At 2 miles 45 chains, to low rise running South. At 2 ¾ miles to well grassed valley running from NNW to the SE. At 3 5/8 miles to top of low rise, being a gradual elevation from East flat, ground covered with nodules, stones, Ironstone and conglomerate, cropping out in plains – timbered with the usual stunted timber, grass [poorer?]. Ridge a little higher to the S – Valley to the N. At 4 miles, [peculiar?] pile of rocks (The Cairn Reef) on summit of ridge – at 4 ½ miles, to valley running N & S head of four mile creek – S 10 chains, & camped.

27 May – Thursday East examining and sketching country on either side of “Finniss”. Doctor reports conveying Bennett, and Guy to Main Camp

Extract from Dr Peel’s Report: Started for East Arm at 5.40 am and reached there at 9 am. Got the wounded men in the boat, and reached Fort Point at noon. Landed the men and had square tent erected for them – both seemed pretty well after the fatigues they had undergone – got them refreshment, and let them rest until the evening. Dressed Guy’s wound and then proceeded to examine Bennett’s. Put him under Chloroform and opened large wound, it was only a flesh wound and contained a small piece of a barb of a spear. On opening the smaller wound passed in a probe which went in two inches under scapular and then struck some foreign body, passed in finger and discovered broken end of spear, on attempting to remove it there was an immediate gush of air into chest, enlarged out wound and removed spear head nine inches long – it passed into cavity of chest between third and fourth ribs – closed wounds with sutures dressings and bandages, pronounced case hopeless, administered Morphine draught at 10 pm – Robinson to attend on the wounded. Hatch to look for Officers until further orders. During the day Mr Schultze & son and Brooks went to South Arm in Midge. Long boat accompanying her. Well sinkers commenced second well near Camp.

Exploration Journal

Four-mile-creek

S 10 chains, started from camp on Four mile creek to junction of creeks. ESE at 15 chains, to low forest rise from NE highest to S – at 5/8 mile, top of low rise, lowest to the North, covered with stones and species of granite. Timber, usual kind with honeysuckle in addition – at ¾ mile, edge of open forest, grassy flat. At one mile, watercourse from NE to SW, with waterhole in bed – Timber on edge – Willows, Palms, Gums, &C. At 1 1/8 miles to East edge of open forest flat – At 1 ¾ miles, to edge of forest flat, with usual timber and honeysuckles. At 2 ½ miles crossed our S track. At 2 ¾ mile, edge of timber, soil sandy, ground rising. At 2 2/3 miles, valley draining to the SSW from NNE – At 3 miles, head of flat opening into wide valley to the SE. At 4

miles, to well grassed open flat, running from the N to the SSW, extending half a mile N and ½ mile NNW to range running at about one mile N. At 4 ¼ miles across flat. At 4 1/3 miles to small rise, stony surface, thinly timbered. At 4 2/3 miles to watercourse from NE, going SW – [timber?] on edges Gums, Wattles, Palms, &c. At 4 ¾ miles, to top of forest rise, well grassed. At 5 miles, to River Finnis, running ESE at point of striking it – a range running on the East side of River, distant about 2 miles, lowest end to the North – apparently a gap in range about 2 miles to the S – NNE 1/8 mile along River. NE ¼ mile, to small watercourse running into River. River 50 yards to the South – along River ENE – at 1/8 mile, to watercourse from the N. At ½ mile, small watercourse from the N. At ¾ mile, watercourse from the South coming into opposite side of River. At 1 mile, to rocky bar across River, with several small waterfalls – good crossing at bar – along River – E ¼ mile to watercourse from N to River – along river – At 1/3 mile, watercourse coming in on S side of River. At 5/8 mile, altered course to S. At ¼ mile over stony rise, through gorge, and across creek from E, flowing into River. SW 1/3 mile along bank of River. S 5 chains along River. SE ¼ mile along River. SW ¼ mile along River. E 1/8 mile along River – about 45 yards wide here – ENE 15 chains to top of stony rise, from the [N?] – along River – E by N 1/8 mile along River – E ¼ mile along River. S 1/3 mile to small watercourse from the E along river – ESE 1/8 mile along River – ENE 1/3 mile, to watercourse from NE – open flat to the NE, about ½ mile across, going to wooded hills – creek joining River in form of letter S – along River – SE by E 5/8 mile along River – River 50 yards wide at this point – to watercourse coming in from S to opposite side of River – At ¾ mile bend in River – along River – N 1/8 mile, between low stony rises to small watercourse. River sinuous, to watercourse – along river – NE by E ¼ mile, to small watercourse from N – along river – NNE ¼ mile to running watercourse from flat in ENE direction along river – SE 12 chains along River – NE 14 chains along River – N 12 chains to watercourse coming in from flat – along river – E 5 chains along river – N 10 chains to watercourse coming in from flat in the N – SE 1/3 mile along river – NE ¼ m along river. N 1/8 mile, and camped. Latitude [13°1'18"] from observations taken by the Surveyor General.

Undated and upside down to adjoining page – 26 May ...to small watercourse – water running from flat into river. 8 yards S clump of large trees seen at ½ mile NE probably a large waterhole – S by E 1/3 mile across flat to bend in River which forms horse shoes, SE and SE – NE by N 1/3 mile to flood channel from river with waterholes from E to W, the clump of high trees previously seen probably forming a similar hole – ESE 5/8 mile to long waterhole going ESE flood channel – at 68 chains plain comes in extending to the Eastward to edge of timber skirting low rise NE by N 10 chains to stony rise with stunted timber – E 1/3 mile to gap in range to head of swampy ground – SSE 7/8 mile across valley to range from NE – stony ironstone rise to top of [forest?] hills, with quartz & quartz rock on surface – timber on top of hill hindering view. Hill goes SSE and NNW – S end of Manton range bears NE. North end of Southern range bears East North East – peak in Range South of what appears to be a quartz reef. SE by E clump of broken hills nearest red hill about 8 miles distant. SE what appears to be a large creek to the SE *sic* with valley joining from the NE ¼ mile on SE of hill – higher hill about 1 mile SSE than the one we are on, channel separating them draining all the country to SSW and SE to the South from 15 to 20 miles round the Main channel going S by W from summit of hill – NNW ¼ mile to ridges, surface of ground strewn with fragments of quartz – higher hill to Southward of Trig¹ station Mount Burton. E ¼ mile to watercourse in valley flowing South. South 5 chains across creek to stony spurs usual timber but stunted – 1/2 mile SE to valley draining through gap ½ mile to the SW summit of Mount [Fitch?] bears west at 1/7 mile across flat and point of spur from whence Mount Burton bore S ½ W to foot of grey granite rise – S 15 chains to large waterhole and creek flowing W from E – E 10 chains across creek going NNE – ENE 8 chains creek from the S – NE 12 chains up flat, luxuriant vegetation in flat going NNE from crossing waterholes in creek – S 35 chains to E branch of Finnis River – SSE ¼ mile through boulders of red granite to W [N?] from E very thick vegetation at ¾ along banks of creek – curious birds nest found at this place – SSE ½ mile across small branch channel to Main creek crossed horse tracks on road, bearing off ESE – ENE ¼ mile up creek – NE ¼ mile along creek – N 10 chains along creek to small watercourse from NNW – E ¼ mile to junction of creeks – Main creek going to the SE branching in from ENE – SSE 1/8 mile creek bends to SSW very small watercourse from E – S 10 chains crossed branch creek – SW 5 chains to Main creek to large waterhole dividing stony rise – SE 10 chains to branch of River – small creek coming in from SW ground covered with nodules of Ironstone – SE 1/3 mile small creek from E fine flat to the E – S 1/8 mile – Wide flat to the South –

High ridge visible about 1 mile to the South – E 10 chains – N 8 chains along creek – NE 1/8 mile along creek – SE 1/7 mile creek dry at this point – E 1/8 mile at about 1/8 NE Quartz reef seen from Fitch's Hill – The Giant Reef – To top of hills Mount Burton heads NNW conical hill bears NE 1/2 E Rough hills seen from Mount Fitch form the watershed of this portion of the country in SE direction. Valley extends 2 miles to SW drained by watercourse 100 yards S of camp watercourse from S and ESE. Latitude from observations taken by the Surveyor General 13° 0' 8".

28 May – Friday As above to Giant Reef – washed tin of stuff. Two specks of gold from one small tin of stuff from bed of creek. Doctor reports Bennett and Guy ill at Main Camp and four cases at Harveys Camp. Guy recovering. Bennett died as if going into a quiet sleep 10 hours after operation. Nine inches of barbed spear point extracted from cavity of the chest.

Extract from Dr Peel's Report: 7 am Bennett has been delirious ever since operation, slept at intervals during the night, expressed himself quite well. Bennett talking very loudly and asking to have the bandages removed as they were not wanted now. At 9.30 am Bennett asked for some hot tea and told me he was going to read himself to sleep. Was called to him half an hour afterwards and found him dead. Had body removed to Survey Office. Ordered coffin and on consultation with the Officers selected Fort Hill for the grave. There being no Magistrate to act as Coroner, an inquest could not be held. Long boat returned from South Arm and left again by night's tide with news of Bennett's death and Medicines and tools for Smith and Harvey.

Exploration Journal

The "Finnis"

NE 1/8 mile, creek flowing from NNE 100 yards N of River – E at 1/8 mile, bend in River, at 1/2 mile bank of River wide channel but little water. NE 5 chains creek running in from the South to opposite side of River. N 25 chains along River. NE 16 chs along river. River 22 yards wide – land lowest to South side, good soil and vegetation on either side – fine timber in creek, flats dotted with trees and flanked by forest. NW 8 chains along small watercourse from SW – 20 chains bend in River. NE 10 chains. Small watercourse from the NE – ESE 10 chains along River. Soil a little sandy. ENE 15 chains along River – left river at this point NE 8 chains....[missing line or two on copy]...forming a deep horse-shoe to SE with small dry watercourse from the NE – ESE 10 chains along River. Soil a little sandy. ENE 15 chains along River – left river at this point. NE 8 chains.

29 May – Saturday - Giant Reefs. Thence to Mount Charles on the West side of the Adelaide. Doctor reports two cases. Guy improving.

Extract from Dr Peel's Report: Men in camp engaged variously. Bennett was buried at 2.30 pm according to the rites of the Church of England. Three natives – men – and a boy came to camp today with fish – they are the same as have been about here for the last three weeks. They seemed very fearful of approaching camp this morning – without first calling our for leave to do so. They left immediately preparations were being made for Bennetts funeral. I do not think they knew of Bennett's death

Exploration Journal

Giant Reefs

From camp ENE 8 chains to bend in creek. NE 1/4 mile to bend in creek, low ridge close to bank (north) of creek. NE 1/2 E 1/4 mile small watercourse from the N creek situated 5 chains to the SE 35 chains across undulating flat and point of Spur to the Main creek crossing several tributaries from flat to the North – a Main watercourse with water to N granite on surface of ground. SE 5 chains to bend in creek which turns to South 5 chains then forks forming creek to SW and another to SE with small branches from S. E 8 chains to Main creek going NNE. N 6 chains along creek. NE 5 chains to bend in River running to ENE. NE by N altered course for high hill at 1/2 mile over splendidly grassed flat to watercourse from NNE. At 3/4 mile the ground slightly covered with Ironstone nodules, and stunted belt of Timber. At one mile apparently low watershed to the SE – at two miles to first Summit. Range extending NE by N and to the SW and W undulating country and flats to the north. NW and NE Range to N. (NB this hill is not Mount Gunn). S. descended 100 yards E by S to hill appears to be Mount Gunn. Watercourse from the NE to SW at 3/4 mile low rise dotted with timber and beautifully grass at 7/8 mile head of small valley draining to SW. At 1 mile head of small valley draining S at 1 2/3 mile valley with

Boulders of granite draining NNE to SSW and SW vegetation as before. 1 7/8 mile to low rise with large boulders cropping out on surface. 2/3 mile valley draining from NNE to SSW – 2 miles 35 chains top of stony spur dividing last valley and another draining into it – quartz sandstone cropping out on spur [striking?] N and S at high angles. At 2 ½ miles summit of what appeared to be a low watershed. N & S Timber higher surface of ground stony, ridges of quartz and quartz rock and Talc slate with nodules and sharp fragments of quartz-rock imbedded. At 2 ¾ small gully from the S to NE draining to NE at 3 mile gully draining E and NE. At 3 miles 5 chains saddle in spur appears to be the head of a large valley. 3 5/8 miles over fine flat. Red soil good sized timber – flat well grassed – 4 miles through thickly timbered country. At 4 1/3 miles edge of flat with large timber and screw palm. Flat apparently running SSE and NNW. At 4 ½ miles watercourse from NNW to SSE and SE. E 8 chains across another channel of creek. At 7/8 mile over forest flat, grey soil, stony on surface. At 1 mile north point of spur rising to the South. At 1 1/8 mile top of low ridge running N & S stones on surface. SE 15 chains to grassy vale between ridge and connecting ridge with Main Range. Valley coming in from NW at 3 chains – SSW 10 chains down valley. SSW 1/3 mile to open flat to [low?] spur of range to East 5/8 mile. Range running to west – Forest country – S 1/3 mile to edge of Plain – large creek 100 yards S from NNW. ESE 1/3 mile to Gorge. Camp 1/8 mile NNW of Gorge and 10 chains west of Mount Gunn. Ascended Mount Gunn about 1/8 mile. The Mount consists of quartz rock about 650 feet above sea level, direction towards gorge. SSW direction for 100 yards and bends away to North with spurs and gullies [graduating?] on its west side but principally its general direction. Ridges from gorge in S direction for at least 7 miles in that direction. Rocket creek which appears to be a W branch of the Adelaide, divides into two channels. About ½ mile [W?] of summit of hill – the main channel continuing W ¼ mile further then bending away to NW draining the country in that direction – a minor channel drains waters on West slop of Mount Gunn range. The direction of Main channel is diverted by a wooded rise bearing W by S. summit of which is about 1 ¾ miles distant extending in S direction towards another branch passing through a gap to the South at the junction. The timber is large and very dense and is joined by a branch from the S. a rough hill, distant 3 miles bearing SW by S and forming one of the S barriers of the valley in that direction. Wooded hilly country bears NNW about a mile to NE extends to Mount Ray. Valley draining into Rocket creek. Low range N & ENE apparently on this side the Adelaide. South End E by S valley at the head of the Adelaide extends in SE direction and ESE & SSE from 20 to 30 miles only broken by an undulating rise and its flanks – conical hills attached and detached break the horizon from SE by E to S a rough range is visible terminating its S end in a bluff. N of a conical hill, the latter bearing ESE ½ S. the Eastern Range apparently [?] about 40 miles – the whole of the country at the head of the Adelaide admirably adapted for triangulation, abundant [shade?] for stock and abundance of grass. High Table land visible 30 miles to the S. a low rise about ¼ mile distant extends from SE SSE and to S branch point from second gap creek runs in NW side of gap. Also similar Ridge apparently on East side of the Adelaide bearing at summit SE by S extending S & SE 1/2 E and ESE. Hill opposite Mount Gunn on other side of creek. Cork Gum, acacia, Banyan, Ironbark and other Trees on creek. Latitude 13° 1' 18"

30 May – Sunday Mount Charles by Mount Gunn, Mount Cavenagh and large waterholes and Creeks to River Adelaide at upper bar. Doctor reports five cases at Main Camp.

Extract from Dr Peel's Report: Boat returned early this morning. Held divine service at 10.30 am. Towards evening "Mira" and several of his tribe came in.

Exploration Journal

Mount Deane.

E ¼ mile through Gorge between Mount Gunn and Mount Deane. Cork and Banyan trees in gorge. NE 5/8 mile East side of grassy flat to open forest, light grey soil, sandy in places, stunted Gum, Ironbark trees, Palms &c. E ¼ mile over low nodulous rise to edge of flat going SE. flat well grassed. At ½ mile creek from N going S and SSW – no water. Bamboo Palm trees, Gum and Stringy Bark, Ironbark also deciduous Cork tree. At ¾ mile edge of low rise nodulous stones and ferruginous conglomerate on surface. At 1 ¼ mile edge of open grassy flat with stunted timber, well grassed. 1 ½ mile open flat, low grass. Hill point of low range ½ mile distant, spur ¼ mile to NE and ½ mile to SW. at 2 miles edge of timber. SSW 7/8 mile to creek from NW at foot of low range, grass very luxuriant and good before coming to Range and creek at 1 mile, point of low range and junction of creeks. Discovered that the last places were neither Mount Gunn nor Rocket Creek – the Rocket

creek was one of the creeks to the Westward of the low range to the east – one of the eminences being Mount Gunn. The previous Rocket creek is the west branch of the Adelaide. At rocket creek (?) *sic* gorge bears W by N direction of range NNW with spurs to NE. Previous Mount Gunn is named Mount Charles – one valley extending to SSW and SW as far as the eye can reach, another to the South, another ESE and aging to E and SE with several low intervening Rises – creek wandering about in ESE direction immediately below Mount Gunn proper (?) *sic* a low intervening rise separating SW branch from this creeks junction taking place to South East at point of range four mile to the South. NE (altered course) 12 chains well grassed valley from NNW going S. $\frac{1}{4}$ mile a low saddle – $\frac{5}{8}$ small watercourse from NW. high hill $\frac{1}{2}$ mile NNW $\frac{3}{4}$ on top of spur, rising to North [setting?] south at $\frac{7}{8}$ mile narrow grassy valley running N & S small stones on surface, ground well grassed. At one mile top of spur running South. $1\frac{1}{2}$ mile watercourse from NNW and NW going SE. at $1\frac{5}{8}$ miles crossed and recrossed small branch creek bending into [same?] creek. At 3 miles over plain well grassed, open forest with Farinaceous shale and Ferruginous Ironstone on surface, light grey soil to a low saddle connecting two high hills to SE and E. a high hill about $\frac{1}{2}$ mile NE forming an amphitheatre draining lands between and flowing to the N having an opening to the N. the centre of gully thickly timbered. The last portion of Amphitheatre being [?] of straight line to top NE hill (3 miles altogether). Altered course for saddle East of high hill valley to South of Watershed draining to the South. ENE $\frac{1}{2}$ W at $\frac{1}{2}$ mile saddle, the course forming watershed draining the waters by two separate gullies to the E and NW. ascended to summit of hill NE of starting place (Mount Cavenagh). Rocks NW and S by W dip 40° to [?] N. slaty with diagonal joints – from hill (Mt Cavenagh) watercourse running to NE towards plains. A low range of hills on opposite side of gully, running NNE & N and rounding up forming an amphitheatre to SW. a valley visible beyond coming from the SW with ridges behind and a third valley between that and main range; the ranges are lower to the NE. country looks rough from hill. To the NE plains are visible, slightly undulating for about 20 miles and the same to the Eastward. Valleys from the S and SE joining at about 3 miles distant. A valley also going from the ESE in same direction. A low rounded bald hill about $2\frac{1}{2}$ miles distant E. descended hill and went ENE $\frac{1}{4}$ mile down gully joining gully going E. NE $\frac{1}{3}$ m. over low rise, valleys draining to NE and W. at $\frac{1}{2}$ m. Creek flowing S. At $1\frac{1}{8}$ m. similar timber, ground in flat uneven. At 2 miles flat altered course to NE to bank dist. 7 chs, large waterhole to North. NE $\frac{1}{8}$ m. to creek appears to continue NE. NNW 8 chs skirting forest rise and round wet flat. N $\frac{1}{4}$ mile along edge of flat, and across pt of flat low to W, to waterhole N & S. NW 10 chains to another waterhole, on E side of ridge. NE 8 chains to similar waterhole connected by a channel with a chain of waterholes continuing NNE. NNE $\frac{1}{4}$ mile along edge of S slope of rise running into another ridge N. of grassy flat coming from E. N $\frac{1}{2}$ mile over flat to [?] well grassed. At $2\frac{1}{8}$ miles entered timber on low rise sandy. At $2\frac{3}{4}$ m over open plain. At $4\frac{3}{4}$ m. entered edge of timber. At 5 m to Billabong. At $5\frac{1}{8}$ miles to Adelaide River going from SE to NW. From this point Mt Cavanagh bears SSW $\frac{1}{2}$ S. SE $\frac{1}{4}$ mile to waterhole & camped. Shot a wild dog at this Camp.

31 May – Monday examining country from the Adelaide at Upper Bar to the Manton. Doctor reports three cases at Main Camp

Extract from Dr Peels Report: Men engaged at various works. With Mira and his Men and the natives who are generally here, there are now about twenty native men about the camp. William Rowe unwell from cold and swelled face. Boat returned from East Arm with message that they were to be there on Monday June 7th to receive load of camp equipage which Mr Woods wished to sent to store.

Exploration Journal

Started from camp on Adelaide River and proceeded to upper bar, from thence Mt Cavenagh SW $\frac{1}{2}$ W. Bar runs S and SSE across River and consists of slate rock – general course of River southerly. Started back to camp along river NE 6 chains. NE by N 10 chs. NNE 8 chs, NNW 5 chs along river – double channel at this point – SW 5 chains and W 1 mile to camp at lagoon on river. N 8 chs to river bank where we struck river yesterday. W $\frac{3}{4}$ mile along bank of river. SW by S down River 8 chains, S $\frac{1}{4}$ m to creek coming in from S and a dry channel joining this one to E. large lagoon 100 yards to W. N $\frac{1}{4}$ mile to river. NW 25 chs to small lagoon on flat to SW. NNW $\frac{1}{4}$ mile to small lagoon through forest country. At 35 chains River bends to NNW. Altered course WNW – abt. $\frac{1}{4}$ mile. ESE 10 chs and heading small creek, saw native tamarind tree. SE 4 chains round paper bark

lagoon. E 4 chains to River passing point of [??] from S. At 8 chs to creek from S. S 8 chs down creek and crossed it at junction of larger creek from SSE and junction of a smaller one SSW and ascended low rise. E 10 chs south of Lagoon under East slope forest hill, surface covered with small stones and good sized gum timber & ironbark trees also fern tree and screw palms. NW ¼ N. At 10 chs valley from West. River about 100 yards to NE. at ½ mile River 3 chs to NW. NNW 10 chs. SSW 10 chs crossed a small tributary of river, bamboo in bed. A lagoon 100 yds to S. NE at 10 chs. Lagoon running N & S. NNW 1/3 mile. Lagoon 3 chs wide. NW 3 chs. N 6 chs. West of a small lagoon and E of a smaller one. At 15 chs to S bank of River Adelaide. NW 1/8 mile, NNW 1/8 mile N by W 1 mile, a low range 1/3 mile to W with gap to W. N 2 miles to Guy's Hill (?) sic Ascended hill – Adelaide River ½ mile distant. N 5/8 m. along foot of range. Range ¼ m distant. Came to tea-tree swamp. NNW ¼ mile to oblong waterhole – there appears to be a

LH SIDE OF THIS PAGE MISSING. ..coming in from W. W 4 chs. NW 5 chs to point of . SW 6 chs to small valley to S. NW 8 chs to watercourse running Range at this point very irregular, full of gullies and spurs saddle in Range running NNW – ground stony, down to Adelaide. NE ½ mile over stony rise and forest flat Lagoon. River about ¼ mile distant. N ¾ m Range a mile West. At 1 ¼ m range ½ mile dist to W. Country stony thick long grass. At 1 ½ m a small watercourse from river – distant at this point 200 yds. NW at 8 chs to E. At ¼ m watercourse from W. River 100 yds to spur from range. At 1/3 m small waterhole to NE River at 150 yds East. N 15 chs to swampy flat country NNW and NW. Point of range (high hill) about 2 apparent gap in range to NW. River Adelaide ½ mile NW 1/8 m to valley from Range to S. At ¾ m over to small watercourse from S. At 55 chs to foot of rise creek coming WNW. W 8 chs over flat. High peak NW by W 8 chs to top of stony spur. Manton's Creek.

1 June – Tuesday Manton to Gorge then examining survey to Mitchell's camp. Latitude 12° 47'43" south on Acacia Creek. Heard of attack by natives, and spearing of Bennett and Guy. Gave orders for immediate consolidation of camp according to my original instructions. Dr reports two cases at Main camp. Mr Rowe sen^r on sick list.

Extract from Dr Peels Report: Men variously engaged at Boats &c. Dray went to Doctors gully for water. Rowe still unwell.

Exploration Journal.

W to small watercourse from North. SW ½ W over open flat – light brown soil with a few trees. Range a mile south. At ¾ m entered timber. Honeysuckle and other timber in flat. At 1 3/8 m to swampy flat with a few Paper Bark trees, low forest rise 5 chs beyond. S 1 mile along E side of low forest rise over light soil, a little sandy. Timber Ironbark, Paperbark, Palms, Grevillia, Honeysuckles and Wattle. Ranges about ¼ m SE of creek. SW by S 1/3 m sinuous course along creek to junction with swampy channel. From NW to SW side of forest ridge. SW 25 chs to bend of Manton Creek across well grassed flat which deviates 10 chs to S at half distance. Range to SE ½ m dist. Timber coming in again at point of creek. Creek at this point 20 links wide, flat ¼ mile to south to foot of rise. At 33 chs small watercourse to west flowing into Manton Creed, 20 yds S. WSW 8 chains across flat to River – flat extends 10 chs W and 4 chs to S tangent to river. At ½ m to bank of Manton River – flat ¼ m N and ¼ m to S. saw cabbage trees in river and palm resembling a date palm. NW by W 8 chs, flat ½ mile to N and ¾ m to S. Range distant 1 ¼ m to SW. NNW at 15 chs skirting small stony rise to N. Ranges narrowing towards the South. Range about ¾ m distant. At 18 chains crossed survey line going E & W. At ¼ mile creek bends to W. Range ½ m to SW. Small branch creek coming in from S. At ¼ m SE. NNW 100 chs to end of waterhole. North 3 chs to bend in creek. SW by W to gap in range. Plain open to North. NNW distant about 1/12 m end of ridge – two channels to Manton Creek. At 1 ¼ m hills very stony on either side of Manton Creek. Ascended hill on N side

REST OF ENTRY MISSING

2 June – Wednesday At Mitchell's camp preparing Diagrams – arranging for adjustment of overlap in survey and other corrections, also continuation of survey and avoidance of Lands upon the Adelaide. Doctor reports two cases. Guy and Rowe as above.

Extract from Dr Peel's Report: Work in camp as usual. Rowe still unwell. Mr Hood took charge of Bennett's goods. Not so many natives about today. Had Hatch and Robinson's tent struck as they do not use it now.

3 June – Thursday. Completed Diagrams &c. Dr reports 2 cases as on Wednesday. Work at camp going on as usual. Removed meteorological instruments to new Observatory. Rowe better.

4 June – Friday. Mitchell's camp to Wood's, completing diagrams, &c and examining survey. Saw Thomas and talked seriously to him as to an error and certain omissions in work. Repeated same to Mr Woods who promised to see all corrected and such avoided in future. Going over work. Doctor reports Rowe better and Guy improving. Work in camp as usual.

5 June – Saturday. Completed diagrams and instructions respecting continuation of survey and thence by Darwin [river] to Celia creek to Smith camp. Dr – 2 cases.

Extract from Doctor's report: Work as usual. *Midge* left for East Arm at 10 am with Mr Brooks for Mess^{rs} Woods and Mitchells camp and Packard for McLachlan's. *Midge* to wait for goods from Mr Woods. Dray went to Doctors Gully for water. Mira and his men have not been here today.

6 June – Sunday. From Smith's camp to Tumbling Waters. Heard that Bennett died from wounds and that Guy was recovering. Dr – 2 cases.

Extract from Dr Peel's report: Lifeboat went out with pleasure party early in the morning without my leave. Held Divine Service 6.30 pm.

7 June – Monday. Plotting work at camp and examining survey.

Extract from Dr Peel's report: Men in camp variously engaged. Second well near camp produced fresh water. Sent well sinkers to Horse Gully to sink well there as previously arranged.

8 June - Tuesday Left Mr Berry to complete plotting diagrams and proceeded to examining country between Tumbling waters and NW to the Harvey. Returned to Tumbling waters and completed instructions relative to survey.

Extract from Dr Peels Report. Work going on as usual. *Midge* returned in the evening. Mr Brooks returned with her stating that he supposed he was not wanted at Woods and Mitchell's camp as no one was sent to meet him. I consider this very strange as Mr Woods asked me to send him up instead of Bennett. No goods were returned by the *Midge*. Dray went to Doctors Gully for water.

9 June – Wednesday Tumbling waters examining survey to the Elizabeth and camped.

Extract from Dr Peels Report: Work as usual in camp. Well sinkers at Horse Gully. Ordered Engineer of *Midge* to take out Boiler and overhaul everything as the Coxswain told me the Boiler leaked. Dray went to Doctors Gully for water.

10 June – Thursday Continued examination of Surveys from Elizabeth to Three Wells camp. Sent for all the Surveyors and ordered immediate consolidation of parties. Mr MacLachlan placed in charge. Plotting diagrams &c and giving instructions for continuation of surveys.

Extract from Dr Peels Report: Work in Camp as usual. Engineer of *Midge* reports boiler unsafe, so have ordered it to be brought up into camp. Two or three natives came into camp this afternoon who have not been here for many weeks past.

11 June – Friday. Completing diagrams and instructions. Dr reports Guy still improving.

12 June – Saturday Three Wells to Fort Point. Blacks running before and trying to burn us in the long grass. Blacks followed us into Main Camp and were heard talking in Mangroves at night but dispersed on seeing

preparations made to receive them. Otherwise all well at Camp. Thanked the Doctor for his care and management during my absence. Doctor reports two cases.

Extract from Dr Peels Report: Work as usual. Dray went to Doctors Gully for water. Well sinkers still engaged at Horse Gully. Surveyor General and party arrived during the afternoon.

13 June – Sunday. At Camp. Self far from well during journey and had to lie up. Dr – 5 cases including myself.

14 June – Monday. Going over work &c and preparing Plans. Wrote to each of the parties respecting prosecution of remainder of survey and placing responsibility on Senior Officers, Mess^{rs} McLachlan, Smith and Woods. Doctor reports 2 cases.

15 June – Tuesday. Sent Mr MacLachlan's rations to "Elizabeth with instructions. Looking after preparation of Plans. Instructed Mr McLachlan by letter as to completing remainder of survey. Dr – Guy still improving.

16 June – Wednesday. At Camp, Fort Point. Sent off Fitch and Deane to MacLachlan's and Wood's camps. Drawings going on and work being plotted up &c. *Midge* returned from "Elizabeth" at 2 pm. Dr – 4 cases

17 June – Thursday. Work going on as usual. Guy recovering but very nervous. Blacks crawling about in bushes around camp. *Midge's* boiler under repair. Dr – 4 cases.

18 June – Friday. Officers and men engaged in usual works. Miller complaining of boils. Diagrams being plotted and work calculated. Dr – 3 cases.

19 June – Saturday. As usual. Long boat loading for Blackmore. Dr – 2 cases

20 June – Sunday. Divine Service at 10.30 am. Dr reports Guy still improving. He is however afraid of his own shadow.

21 June – Monday. Officers and men employed as usual. Long Boat started for Blackmore with Dr Peel's rations for Smith and Harvey. Sent cheques for extra work. Guy improving. Mr Rowe ill with feverish symptoms.

22 June – Tuesday. Fort Point. Officers and men engaged as usual. Started *Midge* for the Blackmore with July rations for Woods and Mitchell. 5 canoes arrived with Blacks. They were not allowed to approach. They afterwards camped at the Gully but were prowling round the camp at night. Mr Rowe better, Guy still improving. Dr – 1 case at Tumbling Wells. George Deane A. [?] Miller – engineer off work (boils on legs)

23 June – Wednesday. Fort Point. Officers and men engaged as usual. Long boat returned at noon with Doctor and Mr Smith, the latter suffering from rheumatism. Guy still improving. Mr Rowe better. Three blacks on road near camp but ran away on being seen by Mr Schultze. Dr – 2 cases – those above. Miller still off work.

24 June – Thursday Fort Point. Officers and Men engaged as usual. Mr Smith a little better. Sent to gully for water – the men, four, had to drive the blacks away – the latter fully armed and kept returning. Mr Rowe and Spooner then drove them to Cliff and presented their pieces when the blacks made off, got into their canoes and crossed to Talc Head – gave further orders as to ammunition and arms – day of discharging and clearing pieces, &c. Dr reports two cases as before. Miller still off work

25 June – Friday Fort Point. Officers and men engaged as usual. Well sinkers sent to deepen Gully well. Water failing or decreasing rapidly. *Midge* returned at 2 am. The Field parties have sent in nearly all camp equipage as the tents are but little used. Doctor reports two cases. Miller still off work.

26 June – Saturday Officers and men engaged as usual. Men completed deepening gully well. Water level reduced one foot. Supply slower and decreasing. Doctor reports two cases. Miller still off work.

28 June – Monday. Doctor complained of conduct of Mr Brooks. Two cases

29 June – Tuesday. Third well near Fort Point.

30 June – Wednesday Officers and men engaged as usual. Marked out new line of road with easier gradients towards table land. Men clearing away timber and jungle. Midge returned at 2 pm bringing remains of camp equipage and Hazard suffering from Rheumatism. Letters from Mitchell, Woods and McLachlan and portion of diagrams of June work from McLachlan – Nos 43, 44, 45 & 46.

Wrote Memo to Guy that when he was sufficiently well I should be glad of a written statement of the events at Freds Pass before and immediately after natives attack when he and poor Bennett were so treacherously speared. Doctor reports two cases. Guy and Hazard, the former steadily improving.

1 July – Friday. Sent to Gully well for water. 2 feet in depth after the casks were filled. A. Millar again laid up – talked to him sharply. Dr – 7 cases, 2 in hospital and Millar off work

2 July – Saturday. Completed survey of road. Dr – 3 cases

3 July – Saturday Officers and men at usual work. Going over returned equipage with Storekeeper and in conversing with Burton surmised some had been left at Elizabeth. Instructed Burton to go up in ‘Midge’ to see. Made arrangements also for final completion of camp, new stable, Hut, Cart shed, and prosecution of Harbor and inlet, Service road and Jetty making, and Gold search parties, on completion of sectional survey, as follows – Mess^{rs} MacLachlan and A.H. Smith with “Gem” Coxswain, crew and Wells, H.D. Packard, Ringwood and J. Lowther to survey points of harbor inlets. Mr Woods to superintend road round Fort Point. Mr Harvey to superintend road to Table land. Mr Mitchell to prepare plan for my general report. Mr McMinn to superintend erection of jetty. After completion of road round Fort Point Mess^{rs} Woods & Mitchell to go in Schooner to [alleged?] Gold discovery, to be accompanied by Burton and party. Burton with Price, Warren, Fry and Kruss, Teamsters, two horse drays, waggon and six saddle horses; Mess^{rs} Schultze & son, Deane, Hughes, Johnson, Ryan, Fitch, MacAulay, Kersley & C. Lowther to go on gold search expedition inland, taking necessary appliances and provisions and starting from the Blackmore and to return by end of August. The Junior Officers and Cadets except Wells and Packard to be formed into a regular guard with four others as follows. Officers to be Officers of the watch and under Dr Peels supervision – 1st night 6 to 8 pm Thomas Giles and Aldridge, 8 to 10 Knuckey Green and Sprigg, 10 to 12 Daly, McCallum and Bee, 12 to 2 Smith, Brooking, Burden, 2 to 4 Mills, Beetson and Samson, 4 to 6 Hood, Rowe, Beard, Homeyer, 6 to 8 King McKay and Roberts, 8 to 10 Thomas &c, 10 to 12 Knuckey &c, 12 to 2 Daly &c, 2 to 4 Smith &c, 4 to 6 Mills &c. 2nd night 6 to 8 King &c, 8 to 10 Thomas &c, 10 to 12 Knuckey &c, 12 to 2 Daly &c, 2 to 4 Smith &c, 4 to 6 am Hood &c, 6 to 8 Mills &c and so on. Hood, W. Rowe [?] Beard & Homeyer taking the watch from 4 to 6 every morning, the others altering as above. Mr Guy to be set apart to clean arms. All the guards to be armed with carbines and Revolvers. All other arms except those of parties away from protection to be cleaned and placed under Mr Thomas’ care to whose orders Guy is to attend as to cleaning arms. The Rifles to be discharged and cleaned twice a week. The Junior Officers and Cadets named to have no other duties imposed upon them whilst this arrangement holds good. After completions of roads all available hands to be at work under Mr McMinn at Jetty save those required to complete the Stable and Hut. Two iron stores to be cleared for Mess houses for twelve Surveyors and twelve Cadets, and a Cook appointed for each mess of twelve, the remainder of parties to be in round tents and divided into four messes, each with a Cook and Camp keeper. The Camp party to remain as now with Hardy and Ringwood added to east [Lean-to?] Homeyer to help Mr Hood in Store. McIntyre, D. Wilson, Dennis Heir, Francis and T.J. Bennett to be camp keepers. In the absence of R.C. Burton, the Blacksmiths and Engineer will be under orders of Mr McMinn to whom all general work will be entrusted.

Doctor reports three cases, Guy steadily improving, Hazard improving, Miller as before.

4 July – Sunday Midge started for ‘Elizabeth. Divine service at 7 P.M. well attended and audience exceedingly attentive. Dr reports five cases. Guy, Hazard and Miller improving.

5 July – Monday Officers and Men at usual duties and work. “Midge” returned at 8 am. Burton reported recent tracks of Buggy, but no equipage or goods at the landing Gully well only yielded a supply of 150 gallons today. After again emptying it on Wednesday morning. New Well down 20 feet at 5 pm. Dr reports five cases, [Guy?] Hazard and Miller improving. Marking out proposed new stable, Mess tents, Hut,

sites for tents &c. Arranged for removal of Deck house to a point where the Coxwains can keep a look out on the Boats.

6 July – Tuesday Officers and Men at usual work. A little fresh water had percolated into bottom of new well.

About a dozen blacks arrived at noon, but were not allowed to come near the camp. Deck house taken away from store and removed to [?] – to be cleaned and painted. Guy gave written statement relative to the attack in which Mr Bennett was murdered and himself speared. Doctor reports three cases all improving.

7 July – Wednesday Officers and Men at usual duties. Water could be seen amongst loose earth in new well this morning. Gully well again emptied after 48 hours drainage – supply 150 gallons in two days and decreasing. More water coming in at bottom of new well at camp. Dr reports Guy, Hazard and Miller steadily improving. One other case. Marked out site for tents, mess sheds, stables, Officers tents &c preparatory to return of Party, so as to have accommodation without confusion or loss of time on their several arrivals which I anticipate will be about the end of month when over 550,000 acres will probably be surveyed exclusive of roads, Townships or reserves. It is desirable to bring the men in to make necessary roads to the Table Land and round Fort Point and to construct if possible, a jetty for steamer or vessel to warp alongside.

8 July – Thursday Sent to Gully well – about 15 gallons since last night. New well water good and soft – about 10 gallons in this morning. Officers and Men at usual work. Gave orders that the Gully water is only to be used for drinking and Tea and Coffee and soup and the [Well?] water for washing clothes. Slopping and washing cooking and table utensils to be done with salt water.

9 July – Friday Officers and Men at work as usual. 25 gallons of water in new well. Made experiment in distilling from salt water and found that with Midges Boiler and other apparatus, we can distil 150 gallons per diem. This with supply in wells will probably be enough for party. New well measured 28 feet from low side of hill – [cleaned?] and left at 4 pm to ascertain quantity of water. Dr reports three cases all going on well

10 July – Saturday Officers and Men at work as usual. 50 gallons of water in new well in 15 hours. Proceeded to examine Gully well – the supply in 66 hours 170 gallons, or 59 gallons less than the new well in the same time. Arranged to dig narrow pit across gully, should such be necessary to catch all the drainage. Large Fire extending from West of Darwin & Blackmore in direction of Bynoe harbor. Doctor reports three cases – Guy, Hazard and Miller – all improving. Millar's pay to be stopped from the 1st inst. As the Doctor thinks he ought to be at work.

11 July – Sunday At 8 am one foot of water in Gully well. Divine service at 11.30 am Dr reports four cases. Guy and Hazard improving. Millar intimated to me that he recommences work tomorrow.

12 July – Monday Arranged with Burton as to work. Night cool and pleasant, only 60° at 4 am and 64° at 6 am – 165 gallons of water in new well in 43 ½ hours. Difference of 4° and Minimum Ther. At 4 am – my room lowest.

Burton's Party

- | | | | |
|----|----------------------|---|------------|
| 1. | R.C. Burton | | |
| 2. | Price Team and Wagon | } | A.H. Smith |
| 3. | G. Hughes | | |
| 4. | Samson ----- | | McMinn |
| 5. | G. Deane | } | Woods |
| 6. | A. Warren | | |
| 7. | C. Fry | | |
| 8. | D. Johnson | | |
| 9. | J. Ryan | | |

10. L. Fitch
11. Kearsly *sic* -----Harvey
12. Kruss -----McLachlan
13. Bayfield-----Woods
14. Mr Schultze
15. Alfr^d Schultze

Midge to leave here on Wednesday afternoon and to leave Blackmore on receipt of letters from respective parties. Woods and Mitchell to be a landing place with party at 6 am on 27th inst. McLachlan & McMinn by 6 am on the 29th inst. And Smith and Harvey by 6 am on 2nd August. A. Millar at work and working well. New well partly timbered. Doctor reports three cases. Guy and Hazard improving.

13 July – Tuesday 100 gallons drainage in new well in 23 hours – timbering continued. 26 inches of water in Gully well – allowed to accumulate. Officers and Men employed as usual. Night cool and pleasant. Wrote to Woods McLachlan and Smith to close Surveys and be at landing place on the Blackmore on the mornings of the 27th & 29th inst and 2nd proximo (August) respectively at 7 am to embark in boats with their equipage and party for this place. The Teamsters to assemble at the Tumbling waters and to start on the Overland Route together under the guidance of Mr McMinn. Tracings showing deficiencies of data to be supplied to complete diagrams forwarded to the respective Surveyors. Doctor reports three cases. Guy and Hazard improving. Millar at work. Tuckwell commenced apparatus for distilling salt water to complete supply for party and stock, should new well prove insufficient.

14 July – Wednesday Officers and Men at usual duties. 2 ft 6 in water in gully well. Midge loaded for Blackmore. Letters and Tracings prepared for omitted distances. Fixed Tank and pump at new well – supply 124 gallons in 24 hours, timbering nearly completed. Midge started with letters and to bring back June diagrams and reports from Field parties from landing place on the Blackmore. Doctor reports three cases all progressing favourably.

15 July – Thursday Officers and men at usual duties. Water at Gully well an inch lower than yesterday. Gave orders to have it emptied – 200 gallons brought in and stored in Iron tanks, the commencement of a reserve supply. Men resumed sinking in new well. Midge in sight at 4 pm with head wind – four people on board – about 4 ½ miles distant. Dr reports four cases – Guy Hazard, and Millar improving, the other trivial. Midge arrived at ¼ past 7 P.M. bringing Mess^{rs} MacLachlan, Woods and Mitchell – The last two gentlemen with their respective parties have been at the Blackmore for 6 days. Mr MacLachlan has completed 170,000 acres and wants about 10,000 to finish. Gave Mr MacLachlan instructions for additional survey – boats to be for his party at the landing place.

16 July – Friday started all three Boats for Blackmore. Mr MacLachlan on board to rejoin his party – arranged work for Officers and men at Camp. At 6 am new well – No 6 – only 80 gallons in 15 hours. Well No 5 only 50 gallons in 15 hours. At 4 pm new well down 31 ft 5 in: difference of level 7 ft 4 in to lower well. New well 8 feet below bottom of lower well. Mr Schultze obtained several pieces specimens of Trepang from the Mud flat in front of camp. Mess^{rs} Woods and Mitchell's rations out from 16th. A slight shock of an earthquake occurred between 5 and 6 am. The sound like a gong harshly struck at some distance, gradually decreasing and more rumbling as it died away. The house shook or trembled slightly – the sound decreasing towards the South. Doctor report four cases. Guy improving. Hazard not so well, suffering from fatal pleurisy.

17 July – Saturday No appearance of Boat at 6 am. 95 gallons of water in new well, an increase of one gallon per hour – by yesterday's sinking sides at bottom have to be timbered. Sent to Gully well – only obtained 70 gallons. Boats returned at 3.15 pm. Parties returned.

Surveyors	Cadets	Draftsmen	Men	Men	Men
Woods	Giles	Hardy	[?]	Ryan	C. Lowther
McMinn	Sprigg		W. Houston	Collard	M Francis
Mitchell	Greene		M. Houston	R.A. Horn	[?]
Thomas	Brooking		Hayball	W. Edwards	Homeyer
Knuckey	Bee		T.S. Horn	H. Cornish	McPherson
Daly	Aldridge		W. Stanborough	T. Neate	C. Palmer
			[W. Barlow?]	W. Rowe	P. Kelly
			Armstrong	G. Walters	Stevenson
			C. Spencely	Gerald	Musgrave

Forty in all. Tents erected. Mess^{ts} Woods and Mitchell reported they had run out of rations so far as meat and Flour were concerned but that they had sent in certain articles which they wished to exchange for those required up to their value – approved. The Storekeeper to issue rations to Fort Point scale, the same to be surcharged unless the deficiency be satisfactorily explained. 12 to go with Mitchell on Monday to cut drain in Gully. With Mr Woods, 4 to survey road. With Mr McMinn 8. With Moyse and Donald *sic* one. Gerald to be Campkeeper for McMinn & Hatch until Mr MacLachlan's return. Gave general instructions to Officers relative to carrying on necessary works and surveys for Monday. Doctor reports four cases.

18 July – Sunday Obtained 120 gallons from Tank of clear water at new well – and about 135 gallons from bottom of well – from lower well 78 gallons – brackish, for washing purposes, drainage of 15 hours. Fixed camp keepers for parties in. found the Men could not be trusted to use the water economically as in 12 hours 75 men had used 250 gallons of water despite the caution given – consequently stored water and decided to serve out the good at the rate of one gallon per man to Cooks for Tea Soup and cooking and half a gallon to drink per diem. Water from lower well to be used for washing clothes and person. Sea water for cooking utensils. Divine service at 7.30 am. Strong wind from East in early part of day, preceded by a rise of 15 in Barometer. Wind fell, as Barometer declined to ordinary height. Doctor reports five cases. Hazard not quite so well but better than yesterday. Guy and Millar better, other cases trivial.

19 July – Monday Water served out. Rations for Burton's Party and for Camp parties – 100 gallons of water from new well since last night at 4. Gully well party sent out under Mr Mitchell. Party for well Timber under Mr McMinn – Fort road survey, Mr Woods. Mr Mitchells party sunk six feet deep across the Gully and the well at south side to fifteen feet from which water bubbled up. New well timbered to bottom. Part of Fort Point road marked out to proper level and eight feet posts put on edge and built in to indicate corners of allotments (water frontage). Instructions given to Burton for his gold search and Midge loaded with rations for 15 persons to 1st September. Mr Schultze and son accompanying the party to obtain botanical and other specimens.

20 July – Tuesday Officers and Men at usual work. Water served out at 5.30 am – 102 gallons obtained from small tank – and 163 from bottom of new well since 10 pm yesterday. Stopped further sinking at new well which is now at a depth of 27 feet and instructed men to drive 10 feet to East and 10 feet to West to increase supply – only equal to 112 gallons per diem. Cutting at Gully nearly complete. Instructed Boatmen to go round with all available casks tomorrow at high water and if possible fill them all or drain the cutting and well to ascertain exact supply. Instructed Men to fell timber for stable, the timber for well being all cut. Doctor report five cases. Hazard, Guy and Millar improving, other cases trivial.

21 July – Wednesday Officers and men at work as usual. Drew about 160 gallons from new well in 15 hours, descended to bottom and examined strata and water coming in – decided to drive as before determined, viz

10 feet east and 10 feet west. Fixed upon position of Boiler and still – also Meteorological apparatus. Visited Gully and thatching Parties with Doctor – all satisfactory. At 4 pm supply in gully well ample. 9 30 gallon casks obtained and as much left, with a strong stream from cutting into well, both to be timbered. New well increased supply from 9 to 16 gallons per hour – this due to the drive which is now in four feet. New stable commenced – three loads of thatching grass brought in from swamp and a quantity of Timber for stable. Andrew Smith nearly lost his life attempting to swim off in his clothes to Long boat, he was rescued by the Dingy – not a second too soon. Doctor applied necessary restoratives – by 5 pm he was about again. Gave orders that such foolish attempts should not again be made. Stable party under McMinn to be McPherson, Musgrave, C. Lowther, J Ryan, R. Collard and T. Neate. Thatching party Armstrong, Hayes, Horn, W^m Rowe Jun^r, Cornish and Walters. Mitchells party Hayball, Stevenson Edwards, P. Kelly Houston Horn – Stanborough and Keely *sic* understand blasting.

Doctor reports 9 cases none serious – 3 at Harveys camp. Midge returned at 11 pm with letters from Mr Harvey and Burton. The latter reporting commencement of operations and the loss of two of McLachlans horses, the former shortness of rations. Ordered necessary articles to be sent tomorrow.

22 July – Thursday Officers and Men engaged as usual. New well yielded 195 gallons in 15 hours – 13 gallons per hour or 312 per diem. Sent Long boat to Gully for water, she brought back 10 casks – removed restriction as to supply – the men to draw up what they require from well – which now gives about 400 gallons per diem. Sent letters and supplies to Smith and Harvey with instructions to close survey by the 7 August – and to Mr MacLachlan to survey 100. 320 acre blocks in addition on sites pointed out on sketch. Sent Rowe with Midge to deliver letters and bring back replies. Eight loads of thatching stuff got in by the evening, 30 loads in all will be required to thatch stable and cart sheds which is 108 feet long by 20 wide – the west side divided into 24 paved stalls, the east side 12 cart sheds. Doctor reports Guy Hazard and Millar improving and Nottage a little better. Andrew Smith all right and at work again today – 7 cases in all – arranged index or record of survey – also general Plan shewing by distinctive tints land surveyed by the six combined parties.

23 July – Friday. About 2 gallons of water from new ell in 15 hours. Officers and men engaged at usual duties. Drive to west of well completed. Dr – 6 cases.

24 July – Saturday. Officers and men at usual duties. New well timbered to bottom and east drive commenced. Still nearly completed. 15 loads of thatching grass brought in. in four days – not above half the proper quantity. Arranged with Mr Wood for levels and soundings to be taken for jetty on Monday at 1 pm. Armstrong, Cornish and R. Horn to be thatching party on roof of stable. Mr Mitchell to take remainder of his men to the Gully and cut remainder of thatch on Monday. Kelly, T. Horn, M. Houston, Hayball, Edwards, Armstrong, J. Ryan, Cornish, R. Horn, Hayes, Walters, W. Rowe, Palmer, Hayball CHECK ORIGINAL .

25 July – Sunday. Asked officers to dine with me. Divine Service at 7 pm. Attendance not quite so satisfactory as on previous occasions. Dr – 8 cases. Guy, Millar, Hazard, Nottage and Hoare better.

26 July – Monday. Officers and men at usual duties. A good supply in new well for the Camp. After dinner, levelled site for jetty. No sign of *Midge* though fully expected back by this morning's ebb tide, the wind being fair. Therm 98° at my house at 2.30 pm. Thatching stable commenced, 6 loads sent in by Mr Mitchell's party from the swamp. Sounding and level for new site for jetty not so favourable as anticipated. Instructed Mr Woods to make section at the line of the present Jetty. Still completed and ready for work. Dr – 6 cases. Guy and Millar better, Hazard much the same. Nottage and Hoare better.

27 July – Tuesday Tried still, the drainage pipes being stopped with dirt – air was enclosed causing a leakage of salt water with the fresh otherwise it answered admirably. *Midge* in sight at 8.30 am *Midge* returned at 10 am with letters from parties. Smith to be completed on 1st – Harvey [*rest of sentence not visible*] McLachlan will do whatever he may be instructed to do. Sent instructions to McLachlan, Harvey and Smith and started off *Midge* for the Blackmore at 2.30 pm. Site leveled at old Jetty for section. Decided upon Point Road. Still defects repaired and apparatus fixed for a days work tomorrow. Doctor reports 8 cases. Guy Hazard and Spooner off work, the others trivial and Patients improving.

28 July – Wednesday Officers at Men at usual duties. Fixed site for Flag staff on Fort Hill. Supply from salt water 1 gallon in 5 m 33 seconds = 260 gallons per diem. Natives suddenly appeared to men cutting Timber - as usual, the men neglected orders and went out without arms and had to return for them. Sent out a special guard with the party. New well completed by noon. Midge not then in sight. Still working well. As natives persisted in going towards timber cutting party, a couple of shots were fired which had the effect of sending them away. Midge in sight at 1.45 with head wind. She anchored at 2.30 all right. All grass cut in camp for thatching. The Doctor and Mr Daly went out for a ride at 8 am with luncheon with them and were to return at 4 pm. At 4.40 'Sam' one of the horses returned with broken hobbles and no saddle. Sent Mr Hood and Mr Thomas out on the only horses available to see if they could see any traces of them on the road. To fire [two?five?] shots if any appearance of a native attack upon them and a strong party would be sent out at once. They returned in about a quarter of an hour with the Doctor and Mr Daly and the other horse. The horses had run away in hobbles and as they only caught one after a six mile chase towards the Camp, the Saddles were left behind at Night Cliff to be brought in tomorrow. Gave Mr Mitchell necessary instructions for commencement of new road to Table land. Gave Mr Woods necessary instructions for Survey of Points and Bays, Inlets &c of harbor, and Tuckwell for erection of Flagstaff. Doctor reports seven cases.

29 July – Thursday. Officers and men as usual. Still again leaky. Dr – 5 cases. Spooner off work yesterday. Resumed duties today. Dr and Mr Hood rode out and got saddles left yesterday.

30 July – Friday. Officers and men as usual. Had ground around wells cleared and placed well at the disposal of men who are to draw all the water they use. Slopping still to be done with sea water. Arranged for removal of iron store to end of Mess hut so as to form a stage by removing iron at one end for Saturday evening concerts. Dr – 9 cases.

31 July – Saturday [*very poor copy*] Sent boats crew to gully for water. Mr Mitchells men putting up tents clearing camp &c. Mr Woods surveying, others at usual duties. Long boat returned at 11 am with [12?] casks of water, leaving about 6 in in well. Mr Brooks took a photograph of cutting. Mess^{rs} Woods and Mitchells parties again short of rations – offered them new arrangements by which the bulk of Flour & meat should be increased and other articles reduced. In evening officers and men rehearsing for concert on Wednesday next. Dr reports 4 cases

1 August – Sunday Midge loaded for South Arm. Divine Service at 10 am – but 20 persons present, half officers. Men given out arms without my knowledge. Midge started between 2 and 3 pm. At 6 pm sent of boat to examine two canoes floating past. They proved to be [?] another – without natives, drifting with the flood up the harbor. I caused them, not to be interfered with. Afterwards made inquiry – on learning that several parties of men had been out, if any of them had pushed the canoes into the water, but failed to find out that such had been the case. Armory [vacant?] from 6.40 to 6.55 pm – door open. Spoke to Mr Thomas on the subject, and pointed out to him the means by which he could make arrangements that such be avoided in future. Mr Hardy and Cadet Green came at 8 pm and said that hearing I had been making enquiries upon the subject that they had broken up all the canoes they found upon the beach, but these two, which proving too strong, they had sent adrift. I was grieved and dismayed at this [bit?] of malicious folly and pointed out the probably consequence in strong language to them as well as the injustice of the act, stating that we had now given cause of aggression on their part, and this would probably follow – our boats might be cut away, wells filled in, and all possible damage done by them, and that I could no longer blame them. Set a watch to look out for the two canoes adrift with orders to have them taken back, if they could be discovered. Whatever aggression results from this act, it is due to the want of proper feeling and great lack of judgement of Mr Hardy and Cadet Greene. Dr reports 5 cases.

2 August – Monday Officers and men at usual duties. Spooner and crew returned with the "Gem" at 8 am. After a 3 hours pull they had seen nothing of the canoes. New road commenced by Mr Mitchell. Midge in sight at 3.30 pm Still set in operation again at 2 pm and acting well. The new well seems to afford a supply for the camp however, and the lower well near the same place; a supply for the horses now here. Midge arrived at 5.30 pm with Mr Smiths party and letter and sketch of country traversed from Burton - all going on

satisfactorily. Packard lame, Mr Smith bad eyes. In evening officers and men rehearsing for Wednesday night's concert. Dr reports 9 cases.

3 August – Tuesday Officers and men engaged at usual duties. Mr Smith's men to have a day's spell to wash clothes and fix their camp. Still stopped as wells appear sufficient for supply – and engineer set to construct winding gear for raising stone &c for Jetty. Examined Mr Hoare's drawings and fixed upon their value to the Gov^t. Dr reports 8 cases. Mr Sprigg off duty and Barrow off work for a few days. Officers and men practising for tomorrow's concert in evening. Midge under repair. Received and perused progress reports – the only remarks necessary are:- On Mr Woods progress report for July – entry on the 6th “Mr Woods, accompanied by Palmer and Deane with part of equipage left for South Arm to meet the boat expected there, in order to report to the Surveyor General over the subject of continuing survey till end of month – rations &c” - Mr Woods knew by my letter of instructions, (NT 94-69) that no boat would be sent until the 15th July – this entry is therefore erroneous. On Mr Thomas' report for June – entry on 24th – “No work today in consequence of dray not arriving with rations from S. Arm” Mr Hood's attention is directed to remarks on this date. On Mr Knuckey's report for June – entries on 22nd, 23rd and 24th – “Living on oatmeal and rice”. This evidences bad management as extended rations had been supplied to last to 30th – as further proof, the month's rations that reached the party, only lasted 14 days. On Mr Knuckey's report for July – entries on the 5th, 6th, 7th and 8th – “Waiting for orders” My orders had been received by the head of the party on the 1st – these remarks are therefore erroneous. On Mr Knuckey's report for May – entry on the 24th relative to attack on the camp by natives – Had my original plan been adhered to, no camp would have been left with so few to defend themselves, or the property under their charge. On Mr Mitchell's report for June – entry on 18th “Shifted camp, only got as far as Mt Charles creek” – a mistake – the party did not reach the creek in question which was several miles to the S.E. – entry on 21st “rations getting very low – no meat” See remarks on Mr Knuckey's progress reports. Entry on 24th “Drays arrived at midnight” In one report, the drays arrive at 9 pm in another at 10 pm, in this at midnight. On Mr Mitchell's report for July – Entries on 5th 6th 7th and 8th “Waiting for orders” Erroneous as my instructions, extended to the end of month and had been received by Mr Woods, the responsible head of the party. Entry on the 9th “Started for South Arm as we were quite out of rations” This shows gross waste or gross mismanagement as the supply of rations had been sent to last the whole of the month. Mr Thomas called attention to some tainted meat. I requested him to do so through his senior officer. Sent for Mr Woods and some of the meat, and tasted it with the Doctor. It was decidedly tainted, but appeared sound, and the Doctor states it to be wholesome, though the smell was disagreeable. Wrote memo suggesting same and that it should be smoked and no further supplies from that lot (pickled beef) should be taken until all the others had failed, and requesting that cases of this kind should at once be brought under my notice by the senior officers - & that their juniors & men of their respective parties had a right to expect such to be done.

4 August – Wednesday Called in tainted meat and issued fresh – tainted are pickled. Officers & men at usual duties. Measured water in new well - 1200 gals in well – and drives. Workshop and boathouse completed. Andrew Smith, one of the boat's' crew ill with purpura. This man has been an invalid nearly all the time since his arrival, though always doing as much work as he could. He is a quiet steady man but one who never ought to have been sent to this place as his previous life has predisposed him to scurvy and general scorbutic eruptions. Five stalls and three divisions of Cart shed of new stable completed. Removed horses and harness and began taking down old stable. Stanborough met with [?] accident from slipping of crowbar. Dr took off nail. Concert in evening great success. Stage worked well, the singing good and the attention and behaviour exceeding good. Doctor reports six cases.

5 August – Thursday Officers and men at usual duties - works progressing, plans and accounts also, but more draftsmen required. Detached Mess^{rs} Knuckey and Sprigg from guard and sent them into the Drawing room, substituting Fisher and Barrow in the guard. Doctor reports 11 cases.

6 August – Friday Officers and men at usual duties. 3 ft 8 in water in new well at 7 A.M. 1394 gallons – 3 ft 2 in at 4 pm. Half of new stable completed – old one entirely cleared away, a vast improvement in appearance and comfort as the flies from the stables were a perfect nuisance in some of the men's tents. New boathouse

and workshop completed. Gave Mr Mitchell working sketch of embankment and method of tying timber roadway and fencing so as to form a compact whole. New well 30 gallons for every inch above 6 inches - up to 5 ft then area only = 5 ft x 3 ft = 9 ½ gallons. The drives 10 ft x 3ft x 5 ft and {5?} x 3 x [?]. officers and men practising for concert in evening. Doctor report 12 cases.

7 August – Saturday At 7 am water in new well 3 ft 9 ins – 1424 gallons. Officers and men at usual duties. Half the stable thatched by noon. Camp cleared up and everything looking well. Entertainment in evening exceedingly good. Many amusing points and happy hits. The prologue as follows – “Spoken by Mr D. Daly at the Theatre Royal, Port Darwin, 7th August 1869.

With conscious doubts we on these boards appear / Conscious of many faults - besides I fear
 Our books are few, our means so very slender./ But first to Mr Goyder we must tender
 Our very hearty thanks for his assistance. / While some have kept aloof, or at a distance,
 Others I'd name. But all have pulled so well / in the same boat – I'm sure I cannot tell
 You which are most to blame or praise. Yet still / I must refer you to our scenic artist's skill
 This view to nature is so true (*Dog barks*) Why hark! / I surely heard that painted dog twice bark!
 It may be said the theatre unorthodox is / It has no gallery, pit, nor private boxes.
 'Twould answer well for country fair or village – / (Well, yes, the curtain looks the worse for mileage!)
 How will you venture Shakespeare's glorious plays/ Presumptuous man! on such a stage to raise?
 'Tis true! The stage I own is rather small / But friends, remember that, to please you all
 Is our first aim, likewise our best desire / To raise a laugh, and not your patience tire;
 And with this purpose, we've secured, 'mongst others/The far-famed talents of the “Tum-tum”
 brothers,
 And hope to follow shortly with a groupe / That's known in Scotland as the “Burgoo Troupe!” >>
 An Opera we'd try, but, on my honor!/ On no terms can we get a prima-donna.
 To act a farce, to read, recite or sing,/ To dance a hornpipe, or a Highland fling,
 To play the flute – at all we'll do our best, While sounds from violin will swell each breast
 With melody as sweet – e'en as the chime/ On the triangle, when 'tis dinner-time![#]
 The footlights, see, what an illumination!/ And surely there's no lack of ventilation.⁼
 Pope's words, I beg you'll kindly bear in mind/ And “to our faults” then, “be a little blind.”
 Hoping to see success our efforts crown,/ And that the worst may be a mere “break-down,”
 That songs may please, each farce may be a “screamer.”/ Till the arrival of th' October steamer,
 We trust our humble plays may give us cause/ To win with merit you well-meant applause.

^x“Tum-tum” the native name for food – the term given to a survey party celebrated for consuming more than ordinary rations.

>>A Survey party, the head of which is a “Scott” & whom with his men partake largely of oatmeal [Burgoo is nautical slang for porridge – Kerr, p. 160]

[#]The bell upon which the hours are struck and the working hours chimed is a large bar of steel bent in the form of a triangle.

The stage of the theatre is an iron house with one end removed & the open end placed at the end of the men's mess house, which serves as the body for the audience. It is 33 ft long by 24 ft wide with tables and forms across, and open at the sides.

Dr reports 11 cases – Hazard not so well.

8 August – Sunday 3 ft 3 ins water in well at 7 am – a great deal used on Saturday afternoon by men washing. 3 ft 2 ½ ins at 5 pm Divine service at 7 pm well attended. Doctors reports [9?] cases – Hazard worse – the Doctor fears his case is dangerous. Prayers offered up for him this evening and the Doctor read and prayed with him in the afternoon.

9 August – Monday Doctor met with an accident and sprained his ankle after leaving me last night. Poor Hazard died quietly and apparently without pain at ½ past 1 am. Doctor's ankle too bad to enable him to move about freely. Spring tide – up to first allotment peg – as on last spring. Arranged for obsequies of Hazard's remains. Water in well at 7 am, 3 ft 7 ins. Mr Woods started with boat party to survey points of Harbor. Mr Brook with him to take photographs. Funeral took place at 5 pm on Fort Point. Doctor reports 15 cases – self rather better. Have been suffering for past ten days from diarrhoea with [?]

10 August – Tuesday 3 ft 4 in water in well at 7 am. Officers and men at usual duties. Wood work of new stable completed. Men burning lime and making, quarrying and surveying harbor. Doctor reports [?] cases

11 August – Wednesday 3 ft 5 ½ ins water in well. Officers and men at usual duties. Doctors sprain a little better. Guy passed a good night in the tent of his own party. Hospital will be removed. Self no better. Doctor reports 13 cases. 3 ft 1 in of water in well at [5?] pm

12 August – Thursday Officers and men at usual duties. Sent set of men off to Gully Well – 3 ft 1 ½ ins water in new well. Doctor's house removed, put up afresh and properly secured. Fort Point Road commenced. 2 ft 9 ins water in new well at 5 pm. Doctor reports 13 cases.

13 August – Friday 3 ft 2 ins water in well. Officers and men at usual duties. 120 gallons of water brought in and stored from Gully Well. 2 ft 10 ins water in well at 5 pm. Surveys & works making fair progress. Dr reports 11 cases – 5 being incapacitated from work by diverse accidents. Timber cut for new well at Gully.

14 August – Saturday Officers and men at usual duties. Doctor reports Gipp, C. Miller, Barrow, A. Smith and Guy off duty from illness. Camp cleaned up at 12.30 pm. Works making satisfactory progress. Doctor reports 11 cases. Day close, oppressive and threatening rain. Entertainment in evening a great success and vast improvement in performance and performers. Self a great deal better until midday when all old symptoms returned in aggravated form – felt dull and weak. Saw Doctor who at once gave me an efficient remedy and by night felt much better.

16 August – Monday A. Smith, C. Miller, Guy, Greene and Gipp off duty. Guy and Miller helping to clean arms in Armory. [Roads &?] Harbor surveys resumed. Well at Gully and roads round Fort Point and to Table land continued. Placed both gangs of men at Fort Point road and set Millar to work to distil more water. No water at Gully and supply falling off at new well. Two casks of water distilled in 6 hours. Doctor reports 15 cases.

17 August – Tuesday Officers and men at usual duties. Doctor reports A. Smith, Gipp and Greene off duty. Robert and Loveday came in stating that Harvey had completed Survey. Ordered boats to be prepared at once for a start. Sent them off at 1.35 pm with rations, instructions &c. altered Draftsmen hours to 7 till 11 and 4 to 6 pm. Up to this time Mr Berry has been at work nearly eighteen hours a day and shows symptoms of overwork – gave him extra assistance. Rather alarmed at non-arrival of "Gem" with Coast Survey party until long after time – fixed signal rockets to hasten their return which were shortly answered. Mr Woods had simply extended his survey further than anticipated and the men had to pull ten miles back. Doctor reports 13 cases. A little water in new well at Doctors Gully.

18 August – Wednesday Doctor reports Greene, Gipp and Andrew Smith off duty. 70 gallons water brought in from new well in Gully. (Memo to speak to Spooner about the slovenly and idle pulling of his boat crew). Harvey's party returned in Midge and Long boat at 10 and 11 pm.

19 August – Thursday Doctor reports Gipp, Smith and Greene off duty. Discharged Long boat and Midge. Set men to respective duties after rearrangement and started Midge at 8 am for the Blackmore with note to Mr McLachlan and Brooks to take photos. Mr Kings granite proved to ordinary Quartz rock. Doctor reports 18 cases.

20 August – Friday Doctor reports Gipp, Greene Smith and Barrow & Packard off duty. Officers and men at usual duties. Midge returned at 4 pm with McLachlan's party. New well at Doctors Gully down 18 feet. Thatching of stable completed. New well down [?] at Gully. Doctor reports 20 cases.

21 August – Saturday A fine shower at 4 am – 0.06 inches. Doctor reports Gipp, Smith Greene Barrow and Packard off duty. McLachlan's men making their tents comfortable. Officers and men at usual duties. Edwards unfortunately got his finger crushed between two rocks at road. Doctor removed it from the middle joint of third finger of left hand. New stable completed. Mr McLachlan and party returned with drays, buggy and seven horses – 4 horses and bullock team and four men left behind to come in tomorrow. Mr McLachlan showing symptoms of scurvy – ordered a goat to be killed and given to the men showing these symptoms. The survey so far as Town Allotments and Sectional blocks are concerned is now complete – the total area being a little under six hundred thousand (600 000) acres. No appearance of the schooner which I consider due today. The entertainment this evening – recitations, songs and instrumental solos, concluding with “[Box and Cox?]” the whole got up admirably and highly appreciated. Doctor reports 23 cases. 1 ft 5 ins water in camp well at 5 pm. Water increasing at new well at Doctors Gully.

23 August – Monday a nice shower from 2 to 3 am for an hour. Officers and men arranged for necessary work to complete survey &c. Doctor reports Barrow, A. Smith, Greene, Edwards and Gipp off duty. Lines fit for light work. New camp well emptied this morning. Gave orders to adopt simple pipes with wet rags over. Miller the Engineer is a very poor specimen of a tradesman. Doctor reports 21 cases. Lime juice served out to men. Boatmen got nothing but shellfish which were divided amongst the several messes. No appearance of Schooner

24 August – Tuesday Doctor reports Edwards, Gipp, Green, A. Smith, H.D. Packard & C. Miller off work. Barrow to go to light work. 2 ft 3 in water in new gully well at 6 am – 363 gallons per diem. Officers and men at usual duties and all making satisfactory progress. The Schooner rounder Point Elliott at 5.15 pm. Sent off Dr and Postmaster to see if all is right as to health &c. Signal made by the Gulnare that all is right. Capt Sweet landed at 6.30 and Mr Lambell brought mails for Adelaide and Timor &c. Doctor reports 19 cases

25 August – Wednesday Doctor reports Gipp, Greene, A. Smith, C. Miller, Packard and G. Aldridge off work. Barrow and Lines fit for light duties. Officers and men at usual duties. Three parties landing and storing goods from Schooner. Capt Sweet reports that the two Malays sent away were part of the crew of six proas fishing for trepang, all the crews amounting to 100 perished save the two referred to 23 months ago at Adam Bay. The uncle of one arrived. English mail due at Koepang on 6th August and 24th, also on 6th and 24th October and each alternate month. Mails of the 6th go to Sourabaya via Macassar in 7 days SOMETHING BLOCKED OUT...via Macassar in 24 days. The steamer only stays 24 hours at Timor.

26 August –Thursday Doctor reports Geo Aldridge, H.D. Packard, Greene, Gipp, Edwards, C. Millar and A. Smith off duty. Officers and men at usual duties and discharging and landing cargo from Gulnare. Mitchells Land party started off at 3 pm – 3 drays, nine horses and nine officers and men. Doctor reports 19 cases.

27 August –Friday Doctor reports C. Miller, I Packard, Edwards, Greene, Aldridge, Gipp and Andrew Smith off duty. Completed discharge of schooner. Loaded boat with stores for Mitchells, Dalys and Knuckeys parties and started off 21 men in Midge and Eliza for the Blackmore at 6 pm. Doctor reports 20 cases

28 August –Saturday Doctor reports Gipp, C. Miller, I Packard, A. Smith, Edwards, G. Aldridge and Mr Greene off duty. Boats returned from the Blackmore at 11.40 am. Mr Mitchell reported leaving behind him several articles and that some of the flour received per Gulnare was bad. Articles sent off at once and flour in tins to replace bad. Burton and party returning at 5.30 pm – all well. Mr Schultze in raptures with the country and

his success in collecting specimens. The entertainment at night good and the place full. Burton handed in Journal and specimens of Gold.

30 August – Monday Doctor reported Miller, A. Warren, T. Loveday, Gipp, G. Aldridge, Packard and And^w Smith off duty. Officers and men at usual duties. 5 feet 6 inches water in camp well. Gully well still being deepened to increase supply. 1600 gallons reserve at Camp being used as Tanks are required to water Schooner. Doctor reports 25 cases.

31 August – Tuesday Doctor reports Gipp, C. Miller, Sampson, Hughes, Warren, Edwards, A. Smith, G. Aldridge, T. Loveday, R. Price and J. Packard off work. Officers and men at usual duties. Log trough sent round and fixed at Gully well. Four tanks sent on board the *Gulnare* to hold the water for the home trip. Vessel ballasted and men sent on board to measure size of timber required for lower deck bunks &c, &c, Men sent out with net in afternoon. They obtained one large fish like the salmon, bleak or dace and between two and three dozen small ones. Mr McMinn's dog bit Lines and afterwards Mr McMinn. Doctor reports 24 cases.

1 September – Wednesday Doctor reports Gipp, Warren, Edwards, And^w Smith, G. Aldridge J. Packard and C. Lines unfit for duty. Mr McMinn shot his dog. New well at Gully 24 ft 6 in deep from frame work. 3 ft 4 ins of water this morning. Boat party out with Mr Woods. Burton watering schooner. New well at Gully finished – a good supply. Doctor reports 21 cases. 7 ft of water in camp well this morning

2 September – Thursday Doctor reports Gipp Samson, Edwards, And^w Smith, G. Aldridge J. Packard, A. Warren, R. Loveday and C. Lines off duty. Men set to quarry rocks for Jetty, others at roads and flagstaff &c, 3 ft 6 ins water in Gully well at 7 am. Doctor reports 17 cases

3 September – Friday Doctor reports Gipp, J. Packard, Samson, A. Smith, Edwards, C. Lines, Homeyer and G. Aldridge off duty. Received Burton's report and specimens. Camp well emptied watering schooner. Men blasting rocks for Jetty and at usual work. Sent ten casks tallow and sundry packages to *Gulnare*. Doctor reports twenty cases

4 September – Saturday Doctor reports J. Packard, Gipp, Andrew Smith, Homeyer, Samson, Edwards and C. Lines off duty. Officers and men at usual duties. Specimens and [?] sent off to *Gulnare*. New Flag staff erected. Dr reports 16 cases. Concert in evening pretty good but I left in consequence of an impious remark by one of the performers and which was totally uncalled for.

5 September – Sunday But small quantities of water in either well. Gave orders for departure tomorrow morning of all horses but four for the Darwin. Bullocks to go with the party which will consist of Deane, Bayfield, Price, Kruss, [Fry?] Armstrong. Gave orders to establish a distilling apparatus on a more simple plan than last, the work to be commenced at midnight. Sent Donald and Moyses out to look at Paper Bark Swamp with the men to sinking an additional well for stock. They returned reporting four feet of water in Gully well and that they anticipated getting water in Paperbark swamp at a [trifling?] depth. Delayed departure of men with stock to ascertain result. Divine service at 7 pm – well attended. Doctor reports 10 cases

6 September – Monday Doctor reports C. Lines, Gipp, J Packard, Andrew Smith and Edwards off duty. Samson fit for light work. Sent well sinkers off to dig additional well at Paperbark Swamp. Sent Carpenter to prepare lower decks of *Gulnare* for passengers and to paint cabin. Started fresh distilling apparatus at noon. New well in paperbark swamp down six feet. Doctor reports 14 cases.

7 September – Tuesday Sent Mr McLachlan and party to run N. boundary of park lands – other men at well, *Gulnare* and roads. Doctor reports Gipp, R. Loveday, Andrew Smith, Armstrong and C. Lines off duty. Edwards and J. Packard able to act as guard. Officers at usual duties, men at new well, surveying and jetty. Doctor reports 14 cases.

8 September – Wednesday Doctor reports C. Lines, Armstrong, Andrew Smith and Gipp off duty. R. Loveday fit for light work if out of the sun. Officers and men at usual duties. Fined Almers a day's pay for quarreling. A good haul of fish obtained in afternoon by Burton. New well at Swamp down 12 feet. Dr reports 17 cases.

9 September – Thursday Doctor reports C. Lines, Armstrong, Andrew Smith, Gipp & Gerald off duty. Well in paperbark swamp salt – abandoned it & commenced another under hill about ¼ mile from camp. Investigated charge and counter charge producing quarrel between Almers & Wells. Decided that both were wrong and took off a day's pay from each. New well down 3 feet. Jetty making fair progress. Lower deck in schooner finished and lockers commenced. A good haul of fish got by Burton – sufficient for the whole camp. Doctor reports 14 cases.

10 September – Friday Doctor reports Gerald, Andrew Smith, C. Lines, Armstrong, Austin and Gipp unfit for duty. Officers and men at usual duties. 2 ft 1 in water in Gully well after days supply, and 21 inches in camp well. New well at camp about 9 ft down. Jetty making good progress, also plans & diagrams of survey and accounts & correspondence. Doctor reports 15 cases.

11 September – Saturday Doctor reports Gipp, C. Lines A. Smith & Armstrong as unfit for duty. Men at work on road to Table land. Tides higher and water rougher these springs than any hitherto seen. Water in channel about 3 knots and water nearly as rough as at Glenelg Bay in ordinary weather. Concert in evening a success. Doctor reports 19 cases.

12 September – Sunday Doctor reports C. Lines, Gipp, Andrew Smith and Armstrong unfit for duty. Divine service at 7 PM pretty well attended. Doctor reports 9 cases.

13 September – Monday Doctor reports C. Lines, Gipp and Andrew Smith off duty from sickness. 3 feet 1 inch water in camp well. Officers and men at usual duties. Stock watered at gully well and 100 gallons carted. 3 ft 1 in water left in well. Progress in Schooner fittings satisfactory. Sent Mr MacLachlan out to look at Ilwaddy and Rapid Creeks and land adjoining to see if fresh water still [stands?] and good feed for horse paddock. New [Part?] He returned with satisfactory report as to water and feed. Instructed Mr MacLachlan to go on harbor survey tomorrow with boat crew. Dr reports 17 cases.

14 September – Tuesday Doctor reports Armstrong Gipp C. Lines and Andrew Smith off duty. Officers and men at usual duties. 270 gallons water taken from gully well to Schooner and 200 gallons for use of stock and camp. Sent Bayfield and George Deane to look for feed and water for stock a few miles from camp. They returned having found what was wanted. Gave orders for stock not required to be taken out tomorrow morning. Mr MacLachlan to accompany men. Mr MacLachlan made survey of coast from Storm Pt to entrance of "Harvey". Doctor reports 12 cases.

15 September – Wednesday Doctor reports Armstrong, Gipp, C. Lines, A Smith and Ewart unfit for duty. Officers and men at usual duties. Had horses and bullocks sent out to Rapid creek. Good feed and water. (Section 187). Captain gave a lecture on his voyage home and back via Timor in the evening. It was exceedingly well attended and considering the paucity of material, amusing. Doctor reports 13 cases.

16 September – Thursday Doctor reports Gipp, C. Lines, Armstrong and Andrew Smith unfit for duty. Officers and men engaged as usual. Bennetts tomb completed. Flagstaff do. New well down 22 feet. Doctor reports 12 cases.

17 September – Friday Doctor reports Gipp, Armstrong Andrew Smith and C. Lines unfit for duty. 500 gallons water brought from Gully well, half for schooner. Roads, Plans and new well [dug?] ½ mile NE of camp. Doctor reports 17 cases.

18 September – Saturday Doctor reports Armstrong, Gipp, Ewart and Andrew Smith unfit for duty. Officers and men at usual duties. Mr Brooks and Capt Sweet photographing camp, tomb &c. Well [dug?] down 26 feet, ground damp, gully well emptied for Schooner and camp (eleven 20 gallon casks). To send Long boat and Pinnacle to Casuarinas for water on Monday. Entertainment in evening crowded and very successful. Dr Peel had three very large [bouquets?] from some of the appreciators of his powers, the after piece pretty good. Doctor reports 11 cases.

19 September – Sunday Doctor reports Armstrong, Gipp Ewart and Andrew Smith unfit for duty. Whale boat started at 9 am for Casuarinas. Divine service at 7 pm. Doctor reports 13 cases..

20 September – Monday Doctor reports Armstrong, Gipp, Ewart and Andrew Smith unfit for duty. [?] boats off to Casuarinas for water. Captain and Mr Brooks accompanied boats. Officers and men at usual duties. Boats not returned at 8 pm. They have probably hauled on shore and had to wait the tide. Doctor reports 10 cases. Wrote a few letters.

21 September – Tuesday Boats did not return till 3 am. Doctor reports Gipp Ewart and Andrew Smith unfit for duty. Officers and men at usual duties. Doctor reports 18 cases.

22 September – Wednesday Doctor reports Ewart Gipp, C. Lowther and Andrew Smith unfit for duty. Officers and men at usual duties. 100 gallons of water taken to ship from gully well. Sent off Midge at 11.30 pm to Blackmore for Mitchells, Knuckeys and Daly's parties. Day hot – 106° inside my house with fly over roof. Doctor reports 16 cases.

23 September – Thursday Doctor reports Gipp Andrew Smith and C. Lines unfit for duty. Officers and men at usual duties. Camp well cleared and new ell dug down [30?] feet. Fittings and repairs to Schooner completed. Doctor reports [11?] cases. No appearance of Midge. Stock all right.

24 September – Friday Dr reports C. Lines, Gipp, Andrew Smith & T. Loveday unfit for duty. Drays arrived overland from Mitchells camp at 2 pm. One horse had got bogged and [?] itself, was attended to [?] but did not get [?]

25 September – Saturday Doctor reports Gipp, C. Lines and Andrew Smith unfit for duty. T. Loveday afterwards sick & giddy from effects of heat. Officers and men at usual duties. Earth in new well damp. Altered hours of work from 27th inst. To 6 to 11 am & 3.30 to 5.30 pm. Those doing [so?] little work to be reduced in pay. No sign of Midge at 6 pm. Midge returned at 9.45 pm. Survey completed and officers and men all well Dr reports.

26 September – Sunday Nice shower during the night. Doctor reports C. Lines Gipp Andrew Smith and T. Loveday unfit for duty.

27 September – Monday Preparing vessel & documents for departure for Adelaide. Holiday in Camp.

28 September – Tuesday Embarked on board the Gulnare at 10 am. Tripped anchor for Adelaide via Koepang.