

This is to certify that the Field Notes herein contained have been taken in the Field, and are the actual results of my observations and measurements.

Licensed Surveyor.

Astron time reckoned from noon to noon

Date.....

}	26th May	180
	10th July	135
	24th August	90
	8th October	45
	22nd Nov	0

(numbers in brackets denote sundays if the Pent of advent
" " squares " of advent)

INDEX.

MOON

● = New moon ○ First Quarter ○ = Full moon ○ = Last quarter

May	● 8th 5.4 am	○ 14th 11.25 pm	○ 22nd 4.15 am	○ 30th 5.45 am	
June	● 6th 2.15 pm	○ 13th 4.59 am	○ 20th 5.41 pm	○ 28th 9.17 pm	
July	● 5th 9.36 pm	○ 12th 12.16 pm	○ 20th 2.9 am	○ 28th 10.20 am	
August	● 4th 9.17 am	○ 10th 10.4 pm	○ 18th 11.28 pm	○ 26th 8.51 pm	
Sept.	● 2nd 11.33 am	○ 9th 11.29 am	○ 17th 3.20 pm	○ 25th 5.18 am	
Oct	● 1st 9.16 pm	○ 9th 4.12 am	○ 17th 7.0 am	○ 24th 12.31 pm	○ 31st 7.35 am
Nov	● 8th 11.54 pm	○ 15th 9.39 pm	○ 22nd 7.4 pm	○ 29th 9.26 pm	
Dec	● 7th 9.19 pm	○ 15th 10.50 am	○ 22nd 8.3.54 am	○ 29th 1.39 pm	

MAY						
S	X	X	X	X	X	20
M	X	X	X	X	X	19
Tu	X	X	X	X	X	18
W	X	X	X	X	X	17
Th	X	X	X	X	X	16
F	X	X	X	X	X	15
S	X	X	X	X	X	14
JULY						
S	3	10	17	24	31	
M	4	11	18	25		
Tu	5	12	19	26		

JUNE						
S	X	12	19	26		
M	X	13	20	27		
Tu	X	14	21	28		
W	X	15	22	29		
Th	X	16	23	30		
F	X	17	24			
S	X	18	25			
AUGUST						
S	X	X	X	X		
M	X	X	X	X		
Tu	X	X	X	X		

17th 174
10th 163
20th 155
30th 145

(1st 113
10th 104)

August (4th 9:17 am) (10th 10:11 pm) (19th 11:28 pm) (26th 8:51 pm)
 Sept (1st 11:55 am) (9th 11:29 am) (17th 3:20 pm) (25th 5:18 am)
 Oct (1st 9:16 pm) (9th 4:12 am) (17th 7:00 am) (24th 12:31 pm) (31st 7:35 am)
 Nov (7th 11:54 pm) (15th 9:39 pm) (22nd 7:41 pm) (29th 9:26 pm)
 Dec (7th 9:19 pm) (15th 10:50 am) (22nd 8:35 am) (29th 1:39 pm)

MAY

S					
M					
T					
W					
T					
F					
S					

JUNE

S	5	12	19	26	
M	6	13	20	27	
T	7	14	21	28	
W	8	15	22	29	
T	9	16	23	30	
F	10	17	24		
S	11	18	25		

15th 174
10th 165
20th 155
30th 145

JULY

S	3	10	17	24	31
M	4	11	18	25	
T	5	12	19	26	
W	6	13	20	27	
T	7	14	21	28	
F	1	8	15	22	29
S	2	9	16	23	30

AUGUST

S	*	*	*	*	
M	*	*	*	*	
T	*	*	*	*	
W	*	*	*	*	
T	*	*	*	*	
F	*	*	*	*	
S	*	*	*	*	

1st 113
10th 104
20th 94
30th 84

SEPTEMBER

S	*	*	*	*	
M	*	*	*	*	
T	*	*	*	*	
W	*	*	*	*	
T	*	*	*	*	
F	*	*	*	*	
S	*	*	*	*	

1st 82
10th 73
20th 63
30th 53

OCTOBER

S	*	9	16	23	30
M	2	10	17	24	31
T	3	11	18	25	
W	4	12	19	26	
T	5	13	20	27	
F	6	14	21	28	
S	7	15	22	29	

1st 52
10th 43
20th 33
30th 23

NOVEMBER

S	6	13	20	27	
M	7	14	21	28	
T	1	8	15	22	29
W	2	9	16	23	30
T	3	10	17	24	
F	4	11	18	25	
S	5	12	19	26	

Nov 1 21
10th 12
20th 2
30th 8

DECEMBER

S	4	11	18	25	
M	5	12	19	26	
T	6	13	20	27	
W	7	14	21	28	
T	1	8	15	22	29
F	2	9	16	23	30
S	3	10	17	24	31

1st 9
10th 18
20th 28
30th 28

mean 24th 294.3

Photographs

- ✓ 2. Euc. sp. with "stringy bark" 40 ft. (900) ^{20/6/21}
- ✓ 3. Banksia dentata, Pandanus odoratissimus
Euc. House ana (?) 45 ft. Melaleuca leucadendron
(trunk only) Andropogon sp. in foreground
Watershed of Sale & Prince Regent rivers 20/6/21
- 4. Failure
- ✓ 5. Melaleuca leucadendron 65 ft. & Banksia dentata
- ✓ 6. Gallitris verrucosa, var. microcarpa 45 ft. ^{20/6/21} 15 ins.
- ✓ 7. Eucalyptus miniata, 35 ft. 20 ins. ^{20/6/21} & Suckers
Tableland.
- ✓ 8. Grevillea Chrysochloa? fl. orange yellow. 30 ft. h. 8 in
head of Calder river, no. (F.B. 51) diam
- ✓ 9. Eucas n. sp. 12 ft. divide between Frydab & ^{m. out from} ^{Adward rivers} _{m. F.B. 51}
- (10a) Livistona Leichhardtii 7'6" high (m. Easton)
Basalt & ironstone plain
- ✓ 10. Livistona sp. nov? 18 ft. 20 m south of Swift Bay in
Cutcliffe
- X 11. Livistona Maritima 45 ft (base) Lawley river
Euc. miniata in background. 27th July 1921.
- ✓ 12. Euc. sp. ind. no. ^{Red Hill}
35 ft. Euc. miniata in background
Van Diemen Bay. 12/8/21
- ✓ 13. Pandanus odoratissimus, 25 ft Melaleuca
leucadendron in background Napier Brown Bay
21/8/21. Black horse.
- ✓ 14. "Man prove" Napier Brown Bay 15 ft ^{28/8/21}
^{25 ft}
- ✓ 15. Cassin river Silver Gully Mt. & Pandanus
aquaticus, on island. 2/9/21. Lat
Melaleuca leucadendron on left in distance
- ✓ 16. Basaltic conifer Cerechua "Range"

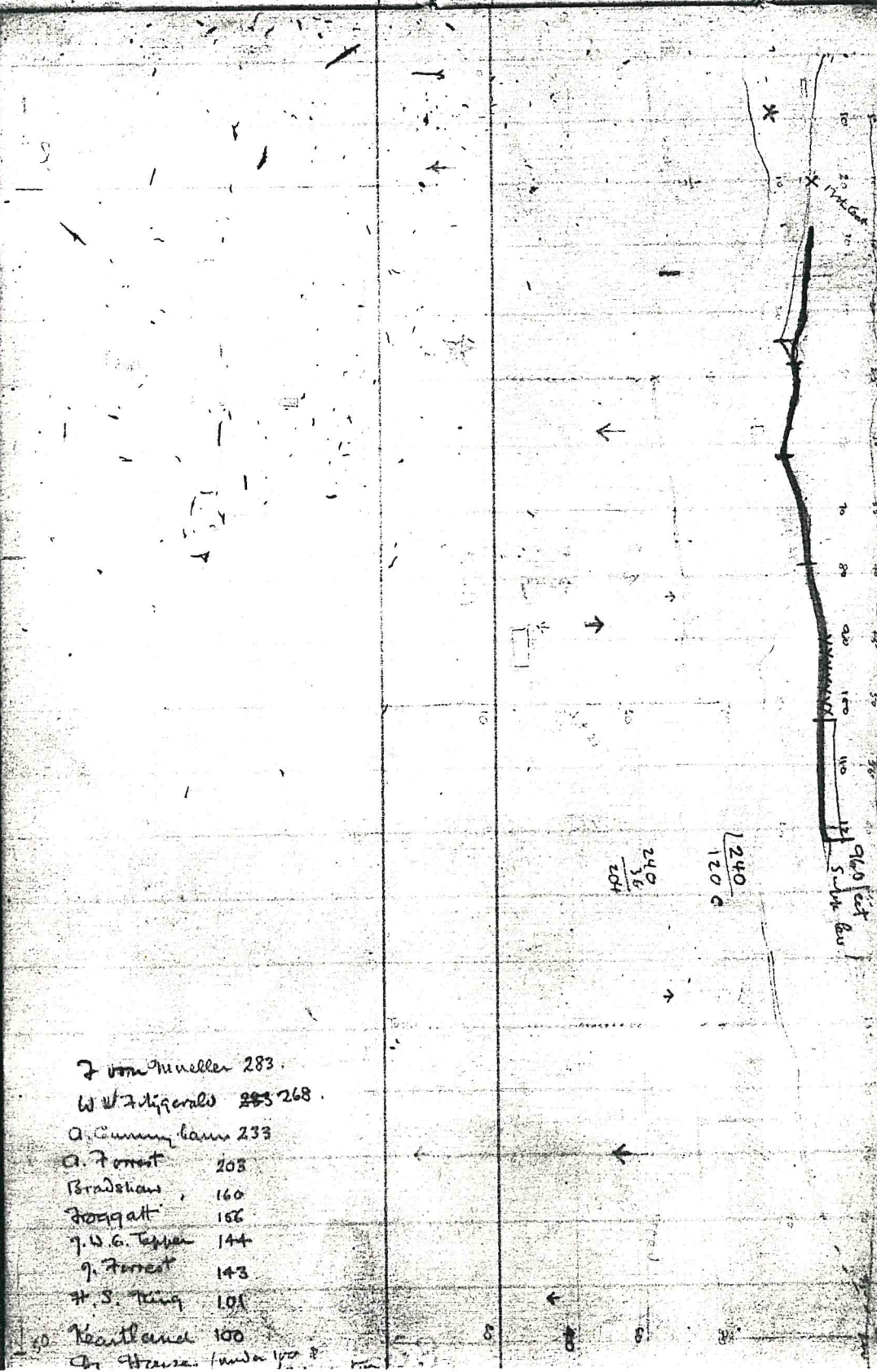


✓ 13 *Pandanus oregonensis*, 25 ft
Leucadendron in background Napier Brown Bay
 21/8/21 Black hole

✓ 14 " Man grove; Napier Brown Bay 15 ft 28/8/21
 25 ft

✓ 15 Cassin river Silver Gully Pt & Pandanus
aquaticus, on island. 2/9/21. Lat
Melaleuca leucadendron a little distance

✓ 16 Basaltic crater Cerberus Range



- ✓ Mimosa Acacia suberosa
- " Bidwilli
- White Cedar melia composita (Napier Range)
- ✓ Scrubby ebony Diospyros nitens (in quantity)
- ✓ Coolibah or Bee Euc. microtheca
- Bloodwood Euc. terminalis } on basaltic hills plains &
- " " pyrophora } sparsely cover basaltic hills
- ✓ Ironwood Terminalia circumdata
- ✓ Thunders grass Anthistura membranacea
- Bundle Bundle " umbrobia
- Water grass Chamaecrista spinescens (var)
- ✓ Eucal. Houseana
- " Ptychosepsa } in swamps localities
- Bankia dentata
- ✓ Green Gum Chrysocarpus
- Pear tree or native Ghostnut Terminalia platyphyllos
- Euc. miniata } veg. of sandstone &
- " collina } quartzite hills
- " confluens } tablelands & sandstone
- ✓ Terminalia truncata } foothills
- ✓ Erythrophloeum Labouchei
- ✓ Sterculia vicinula
- Euc. Mooreana (on peaks of Lepidw Range)
- ✓ Kapok or Ceasia on tree Bauhinia acalabaricum
- ✓ Messmate or Stringybark Euc. tetradonta
- ✓ Ironbark Euc. crebra
- ✓ Sandalwood Santalum lanceolatum

August 18th 3.168 p
 Sept 14 2.277 p

844 / 2052
 732
 112

195
 93
 102

2277
 198
 297

Photographs

- ✓ 16. Basaltic granite. - Gneiss in Range, 5th Sept 1901.
 Euc. microtheca, "Bee" central, with Ceasia
 Erythrophloeum Labouchei. in right.
- ✓ 17. White Gum on no
 height 35-40 ft. diam 70 ins.
 South of Mt Agnes. on Chandler river
 left
- 18. Barker river. Gneiss, right Terminalia
 platyphyllos front Salsabia grandiflora
 Gneiss 50 ft.

August 18th 3:168 P
Sept 14 2:277 P

8701 2052
152
731

175
21
525
38

2277
198
267
39

Photographs

- ✓ 16. Basaltic granite, - Ganchuan Range, 5th Sept 1951.
Lvs. microthecae, "Beri": central, with *Cissure*
Enthosphloeum Luberschevi on right.
- ✓ 17. White Gum of no
height 35-40 ft. diam 70 ins.
South of Mt Arnes. on Chandler river
- 18. Bark on river Gadjupit, left - Terminalia
platyphylla, from + Salsania grandiflora
Gadjupit - 50 ft.
- ✓ 19. Coohlah
- ✓ 20. Coohlah, Mc Dermott's Ped. ³⁰~~25~~ ft. 2 ft diam
- ✓ 21. Bauhinia Cunninghamii,
Mc Dermott's Ped. 20 ft 30 ins diam

Gallitris - stocking per acre

Walk 110 yards & count trees on each side for 22 yards
 for about 50 acres to obtain average.

Upper King Edward Riv. max. 84" w. 60 ft. average 47"
 Timber in patches. 50 trees to 1/2 acre, the
 remaining 1/2 in each case been empty

1st acre 38 trees	38	40	50 W
2nd acre 21 trees	21	35	
3rd acre 5 trees	5		Drystone 10
4th acre 10 trees	10		20
5th acre 32 trees	32		8
6th acre 1 tree	1		5
7th acre 8 trees	8		3
8th acre 3 trees	3		4
9th acre 2 trees	2		4
10th acre 7 trees	7		4
11th acre 1 tree	1		4
12th acre 4 trees	4		4
13th acre 5 trees	5		4
14th acre 5 trees	5		4
15th acre 1 tree	1		4
16th acre 5 trees	5		4
17th acre 6 trees	6		4

Drystone 10
 20
 8
 5
 3
 4
 Max Birch 75' 8 5'

42 174
 +26
 168
 6

Gallitris verticosa, var *microcarpa*

Stocking per acre.

Upper King Edward river

Maximum girth 84 ins. max height 60 feet
 Average " 47 " Average " 45 feet

Timber in patches several two or three hundred
 yards apart or more. The patches are

1
4
5
5
1
5
6

45
31

42 174
+ 26
168
6

Callitris verucosa, var *microcarpa*

Stocking per acre.

Upper King Edward river

Maximum girth 84 ins. max height 60 feet
Average " 47 " Average " 45 feet

Timber in patches ~~several~~ two or three hundred yards apart or more. The patches are all small & thick, being about 60 yards in diameter.

Counting all trees down to 3" diam the groups average 50 trees to the acre

Drydale river

Max girth 83 ins. height 65 feet.
Average 43 " " 50 "

Stocking per acre 10, 20, 8, 5, 3, 6, 4, 1, 0, 15, 0, 10,
2, 0, 4, 3, 1, 5, 6, 9, 0, 0, 3 -

South of Mt Agnes.

Max girth 78" h. 40 ft.
Average .. 30 35 "

Only trees with a diameter of over 8" counted a fair even growth.

6, 9, 2, 5, 4, 8, 3, 2, 1, 4, 5, 5, 1, 4, 5, 6, 4, 8,
2, 2, 1, 3, 4, 7, 5, 2, 1, 5, 4, 3, 7, 6, 2, 5, 4
2, 7, 5, 6, 3, 1, 3,

- But trees do not sucker after fires

White Gum branches lose

The Eucalypts show great diversity of foliage
Several species have broad ovate-cordate leaves
wh, instead of hanging perpendicularly spread
themselves out horizontally, also they are of
more delicate texture than the normal forms, &
few of them are coriaceous

Terminalia platyphylla ✓

Luffa graveolens

Cordia alliodora

and *Marrubium* *Ficus* ✓

Conium maculatum

Eucalyptus gamophylla ✓

Terminalia platyphylla ✓

Luffa graveolens

Sidaea lanceolata

Art Marnier Ficus ✓

Conium marnianum ✓

Eucalyptus gamophylla ✓

Petalostigma quadriloculare - occurs both

in basaltic & sandstone country

Laterite occurs as far south as

Mr Bradshaw

King Leopold Range.

Ham Pass.

Eastern slopes - basalt. Box & Euc. pyrophora
In the phloem Terminalia circumdata.

Summit Euc. uncinata, Callitris

microcarpa, Grevillea chrysodendron
Cochlospermum heteroneurum, Adansonia
Greggii and Agave Eucalypt (Hamis Springs)
Scutellum lanceolatum, Squirrels tree, Gum Plum
Bell Gorse Acacia, 3 common Grevilleas.

Western slopes - Barker river - Quartzite

Gadypunt Drysdale tree, Eugenia pk fl.
Sesbania grandiflora, Gumel poison, Restioid
Galythrus pink Eugenia (Napier Poison)
Terminalia biangulata Euc. Australiana?
(ovate leaf, the same as the Drysdale river one)
Pandanus odoratus

Artesian Range.

Rough quartzite country with numerous
springs & small gorges.

Euc. annulata is the predominating Eucalypt, the trees are very scattered however & chiefly in the gullies. *Callitris microcarpa* occurs on the southern slopes. *Ternstroemia* are frequent. *Sesbania grandiflora*, Squirrel-nuts, Gum Plum tree and *Stam* *Scaevola* (shrub) *Ses.* *heliosperma* & *trip* *Scaevola*, *Pawdarns* (2 sp) Camel poison *Sterculia viscidula*, *Adansonia* *Trezorii*. *Cochlospermum heteroneurum*

Basalt country between Artesian & Symmett Range.

"Box" *Euc. pyroplora*, *Hakea macrocarpa*

Tristania suaveolens, *Sesbania grandiflora*
Bohemian tree, *minosa* (3 or 4)
Adansonia *Trezorii*, *Cochlospermum*
heteroneurum (in fl. & fruit) *Chestnut*

Basalt counts between Artesian &
Symmett Range

"Box" Euc. pyroplura, Hakea macrocarpa
Tristramia suaveolens, Sestania grandiflora
Bohemian tree, Mimosa (3 or 4)
Adansonia Gregorii, Cochlospermum
heteroantherum (in fl. & fruit) Chestnut

12
Mt Agnes - to E Skins Range.
Sandstone throughout.

Euc tetradonta extends westward to Goodfellow Pass
" *minicata* is the chief *Eucalypt*.

" *Haeseana* becomes common after leaving *Euc tetradonta*. *Santalum lanceolatum* - the greatest no. of trees occur at the head of the Charles river. *Callitris* common but the trees become smaller & much lower-branched while more even in distribution. *Sprengelium chrysocladum* very common
Red Gum still fairly common

E Skins Range - same trees. *Terminalia circumdata*, Apple tree *Santalum lanceolatum*, *Euc. minicata tetradonta* & Red Gum Desert Gum. King Edward Range *Eucalypt*. *Croceum latifolium*
Hibiscus yonckeri var *spinulosa* Rock Mt.

Eucalyptus *oprus* ... originally seen in Mt Agnes occurs at Hain's Spring, Hain Pass, & down the Barker river gorge. The trees grow in clumps, & are measured when 18 ins in diameter

King Edward - Drysdale - Condeman Range. N. Coast.

Sandstone

Trees. Pink fl. } Eucalyptus sp. (not Hume & Paulownia) 20ft
 Eugenia nos. {
 Terminalia nos. {
 Desert Gum sp. nos.
 Euc. uncinata
 " tetradactyla common
 Hill Gaudichaud 15-20'
 Gum tree 8-15ft
 Traveller chrysocladum 20-25 feet. a more common
 " uncinata
 " helioperma 12-20ft
 " 3-keeled 8-12 feet.
 Persoonia sp. 10-15ft.
 Quinkabine Plum tree 12-20 feet.
 Bloodwood
 Red Gum - Common in depression of
 tableland & near creeks.
 (known basal) Erythrophloeum latrochne
 Gallitris microcarpa
 Eucalyptus latifolia 60ft.

Undergrowth. Creosote
Jacksonia

Gallitris 20 trees to 1/2 acre

Creeks.

Trees

Undergrowth. *Celastrus*
Jacksonii

Gallatins 20 trees to 1/2 acre

Corals.

Trees.

Undergrowth.

Rocky rises & summits.

King Edward, Gerson, Drydale district to Condman ramp

Basalt - undulating. Open savannah forests of trees scattered, 10-30 w 35 ft. grass undergrowth consisting chiefly of *Phindas* grass & *Quang* grass.

<u>Trees</u>	<i>Eucalyptus microtheca</i>	15-25 ft.	
	" n. 128. " Umbark	20-35 "	
	166 do?	10-18 "	
	<i>Erythrophloeum Labouchei</i>	n. 177	20-35 "
	<i>Erythrina vesperalis</i>	191	15-25 "
	<i>Cochlospermum heterodermum</i>		15-15 ft
	Pink flowered <i>Eugenia</i> .		10-15 ft.
	Almond tree no.		20 ft.
	<i>Mimosa</i> , <i>acacia</i> n. no.		
	<i>Halimolobos macrocarpa</i>		
	<i>Stereocaulon diversifolium</i>		
	<i>Terminalia circumdata</i> .	10-20 ft.	

Undergrowth

Hibiscus no. in valley of Gerson river,

Gomphrena no no.

Grasses

Trees

- Sesbania grandiflora*
- Tristania burkeana*
- Sarcocaulis curvata*
- Ficus glomerata*
- Melaleuca leucadendron*
- Sida cordifolia*
- Pandanus odoratissimus*
- " *aquaticus*

Undergrowth

Wibiscus n. in valley of Garsen river,

Gomphocoma n. n.

Grasses

Trees

Sestania grandiflora

Tristania suaveolens

Sarcocapulus curvatus

Ficus glomerata

Melaleuca leucadendron

Sibea Cedropuntia

Pandanus odoratissimus

" aquaticus

Summits of hills

Trees

Undergrowth

y

Littoral Admiralty Gulf. Vanuatu & Napier Broome Pass.

Chiefly sandstone - quartzite.

Seashore mangroves occur in dense patches along the coast more particularly in sheltered coves, estuaries & creeks.

With the exception of Napier Broome Bay the land rises abruptly from the coast in a sandstone bluff or escarpment dotted with *Spruce*, *Cork tree* & *Ficus* sp. grown in scanty soil among rocks. Behind this there is generally flat or undulating sandstone - quartzite dotted with small patches of *Enc. tetradactyla*, *Red Gum* & *E. miniata*.

Eucalyptus	gamorhyla
"	microtheca
Gonidium	Marmicrensis
Ficus	sp
Santalum	lanceolatum
Terminalia	platyphlla
"	circumdata
Acacia	n
Cochlospermum	heteroenum
Adansonia	Eragoria

	1921	
160. Sunday 9th Oct.	44:200:	at Kimberley Downs Station
161. Monday 10. Oct.	43, 201	do

1921

160. Sunday 9th Oct.

44:200:

at Kimberley Downs Station

161. Monday 10. Oct.

43, 201

do

Monday 29th August 1921	85:159	2 4 1/2 m S.E.
Left Drysdale River Mission at 1.0 pm		
Tuesday 30 Aug 1921	84:160	dis. 14 m S.S.W.
Wednesday 31 Aug 1921	83:161	Camp in lat dis. about 11 m S.S.E. K. Ganan River
Thursday 1st September 1921	82:162	42.
Friday 2nd Sept 1921	81 163	41
Saturday 3rd Sept. 1921	(80:164:40)	254 m for Pds
Sunday 4th September 1921	(79:165:39)	S. & D. (125) 240 m D.
Monday 5th September 1921	(78:166:38)	230 m D. lat. = 15° 13' 22" S (S Hercules) Camped under King Edward Pk.,
Tuesday 6th September 1921	(77:167:37)	{ 220 m D lat. Camp, trib. woodhouse R.? c. 1/2 m from Haman
Wednesday 7th Sept 1921	76:168:36	200 m D. lat. 200 m D. lat.
Thursday 8th Sept. 1921	75:169:35	198 m D. lat. 6 m WSW. in out Haman trib. of Haman Riv
Friday 9th Sept. 1921	74:170:34	190 m D. 12 m S. Drysdale R. (C9.)
Saturday 10th Sept. 1921	73:171:33	12 m S. 180 m D. Drysdale river
Sunday 11th Sept 1921	72:172:32	10 m S. 175 m D. an out Arnes.
Monday 12th Sept. 1921	71:173:31	12 m S.W. 160 m D.
Tuesday 13th Sept. 1921	70:174:30	12 m WSW. 150 m D. in Galdra river
135 Wednesday 14th Sept. 1921	69:175:29	4 m W SW Plateau between Galdra & Chamber river 145 m D.
136 Thursday 15th Sept. 1921	68:176:28	12 m W.V.W. 140 m D. 3 m from Galdra river
137 Friday 16th Sept. 1921	67:177:27	12. NW & SSW 135 m D. Galdra river lagoon
138 Saturday 17th Sept. 1921	66:178:26	22 m WSW 110 m D. at Sw Walcott Inlet
139 Sunday 18th Sept 1921	65:179:25	Walcott Inlet - Chamber River
140 Monday 19th Sept 1921	64:180:24	Walcott Inlet
141 Tuesday 20th Sept 1921	63:181:23	Walcott Inlet
142 Wednesday 21 Sept 1921	62:182:22	Walcott Inlet
143 Thursday 22nd Sept 1921	61:183:21	Walcott Inlet

Monday 12th Sept. 1921	71:173:31	12 m. SW. 160 m. D. on Great Armes.
Tuesday 13th Sept. 1921	70:174:30	12 m. west. 150 m. D. in Coleridge river
135 Wednesday 14th Sept. 1921	69:175:29	4 m. W. SW. 145 m. D. Platocum between Calder & Chander river
136 Thursday 15th Sept. 1921	68:176:28	12 m. W. N. W. 140 m. D. 3 m. from Calder river
137 Friday 16th Sept. 1921	67:177:27	12. NW & SSW 135 m. D. Calder river lagoon
138 Saturday 17th Sept. 1921	66:178:26	22 m. W. SW. 110 m. D. w. Sw Walcott Inlet
139 Sunday 18th Sept 1921	65:179:25	Walcott Inlet - Chander Tross
140 Monday 19th Sept 1921	64:180:24	Walcott Inlet
141 Tuesday 20th Sept 1921	63:181:23	Walcott Inlet
142 Wednesday 21 Sept 1921	62:182:22	Walcott Inlet
143 Thursday 22nd Sept. 1921	61:183:21	Walcott Inlet
144 Friday 23rd Sept 1921	60:184:20	Walcott Inlet
145 Saturday 24 Sept. 1921	59:185:19	Walcott Inlet
146 Sunday 25th Sept 1921	58:186:18	Walcott Inlet
147 Monday 26th Sept. 1921	57:187:17	Walcott Inlet
148 Tuesday 27th " "	56:188:16	di. top. 10. pm
149 Wednesday 28th Sept. 1921	55:189:15	X
150 Thursday 29th Sept 1921	54:190:14	Arlesian Passage. 5 m. S. W. W. m. D. in small river 12 m. SSE W. m. D.
151 Friday 30th Sept. 1921	53:191:13	in Horn Pass SW Fiddell river 10 m. SW 93 m. D. 13 m. SSW
152 Saturday 1st Oct. 1921	52:192:12	Barker river 4 miles below 7 and 83 m. D.
153 Sunday 2nd Oct. 1921	51:193:11	7 m. SW. Barker river 76 m. D.
154 Monday 3rd Oct 1921	50:194:10	15 m. SW. Lemna R. 65 m. D.
155 Tuesday 4th Oct. 1921	49:195:9	W. S. W. c. Timberley Downs Sta 15 m. horse 9 m. walk
156 Wednesday 5th Oct. 1921	48:196:8	Timberley Downs.
157 Thursday 6 " "	47:197:7	" "
158 Friday 7 " "	46:198:6	" "
159 Saturday 8 " "	45:199:5	" "

Wednesday, 10th August 1921 (104: 139)

Vansittart Bay

Thursday, 11th Aug 1921 (103: 140)

Vansittart Bay

Friday, 12th August 1921. (102: 141)

Vansittart Bay

Saturday, 13th August 1921 (101: 142)

Vansittart Bay

Sunday, 14th Aug 1921 (100: 143)

Vansittart Bay (Low 70 secs duration at ^{about} 9.10 pm) noise of about

Monday, 15th August 1921 (99: 144)

Vansittart Bay. (Q)



Tuesday, 16th August 1921 (98: 145)

(Zusime (Q) in afternoon)

Vansittart Bay

Wednesday 17th Aug 1921 (97: 146)

Vansittart Bay

Thursday 18th August 1921 (96: 147) (Q)

Vansittart Bay

Friday 19th Aug. 1921 (95: 148)

Vansittart Bay to 2 miles E of Wade Creek

Sandstone, grasslands. *Euc. tetradonta*, *Podium*

& *E. minutus*. Several *Chrysodendron*, *Lidiasperma* & *S. sp.*. Several wattle trees both *Pandanus*, & *Callitriche* along creeks.

Saturday 20 Aug 1921 (94: 149) (2/3)

Vauisittant Bay

Thursday 18th Aug 1921 (96:147) (9)

Vauisittant Bay

Friday 19th Aug. 1921 (95:148)

Vauisittant Bay to 2 miles E - Wade Creek

Sandstone, grasslands. *Euc. tetradonta*, *Podium*

& *E. miniata*. *Styphelia chrysodendron*, *Lidias-
hemer* & n. sp. Several wattle trees both *Pandanus*,
& *Casuarina* along creeks.

Saturday 20 Aug 1921 (94:149) (2/3)

Sunday 21st Aug 1921 (93:150) (6)

Country chiefly basalt hills covered with Box Gully
trees *Erythrina*, *Personna*, *Camel* *porosa*, *Lull* *Contorta*
capped, the caps producing *Euc tetradonta*.

Callitris microcarpa on the sandstone, trees 20-45 feet
more or less ^{small} branched *Squarrel* *nutz* &
Terminalia frequent numerous large wattles
Spinifex (terete) *Jacksonia* *Personna* *Euc pyroplura*
few *Euc miniata*

(The Gully trees are the largest & most numerous seen,
thickly covering the basalt hills)

Monday 22nd Aug 1921 (92:151) *Livistana*

Tuesday 23rd Aug 1921 (93/152) *Ar. Drysdale Mission*

Wednesday 24th Aug (90:153) *at Drysdale Mission*

Thursday 25 Aug (89:154) *do*

Friday 26 Aug (88:155) *do*

Saturday 27 Aug 1921 (87:156) *do*

Maple, Personna, Bay

x Monday, 1st August 1921 (113: 131) Trav. N.E.
 Country sandstone plateau, with laterite left soil in places
 fairly large forest of *Gallitris microcarpa*, in common.
Euc. miniata & *E. tetradonta*: Collected *Terminalia* in
 quartzite gorge. Arrive King Edward river at noon, fl.
 through quartzite in rough country with little grass
 chief trees are *Euc. tetradonta*, *miniata* & ironbark.
 Several poison, various *Terminalia*, few *Gallitris*. A few
 "Box trees occur on the river in quartzite-laterite, but
 it may have been that there was basalt underneath.
 Gaidupunt trees & *P. aquaticus* occur along the river,
 grasses are few & scanty. Fine pools all along
 the river, (*Gallitris* trees 60 ft x 2 ft $\frac{1}{2}$ on plateau)

x Tuesday, 2nd August 1921 (112: 132) Traveled down east bank of King
 Edward river, Range of sandstone & quartzite, in the river bed there
 are numerous traces of what is apparently ~~and~~ laterite that has
 been washed & run in between rocks of sandstone. This
 form of laterite does not appear to extend out of the river's
 bed. Collected more specimens of the Eucalypt now... which here
 occur among huge sandstone rocks at the edge of the plateau.
Freycinetia chrysoendron, *minimoides*, & *u. cr.* are all common
 here, also the small *Freycinetia* collected in. *Ant. ligues* the *Plum. lica*
 also is common. *Gallitris microcarpa* is very abundant
 on both sides of the river. *Melaleuca leucodendron* fringes the
 banks wherever there is sufficient soil (but is not seen). The roots
 are all surface & fibrous roots, smaller than one might expect, &
 many trees are fallen as a result of flood water. The river
 rises ~~at~~ over 30 feet in places. Grass is scarce, & *Quercus preveila*
 in among the large cliff-like rocks. "Desert Gum" grows in the
 sandy, rocky soil. *Gallitris* trees extend westward as far as Gut Corner.

x Wednesday, 3rd August 1921 (111: 133) Traveled down King Edward river
 on west bank. *Freycinetia chrysoendron*, *Euc. tetradonta*, *Euc.*
miniata. Huge areas of *Pandanus aquaticus* extend along the
 river in black soil. Large *Gaidupunt* 50-70 common
 along the river also.

Thursday 4th Aug. 1921 (110: 134) Left King Edward river, &
 travelled due north from (R7) along plateau, sandstone oxidized
 with laterite gravel. Something approaching an undergrowth
 was observed here, this being formed of shrubs 4 to 10 ft high
 & with the principal were, *Banksia dentata*, *S. helioperma*
Personia m. reticulata, *quadrilobata*, *Acacia* (Hawley river),
Ses. minusoides, *S. chrysoendron*, *Verticordia quinkalmei*
 tree.

x Trees - *Euc. tetradonta*, *Euc. miniata*, Ironbark (laterite)
Euc. alba? Red Gum, Swift Bay Gaidupunt. Several large
 trees 20-40 ft *Gallitris microcarpa*.
 Observed *Podocarpus* with which appeared to be
 smaller & more glaucous fruits than the normal form.

x Friday, 5th Aug 1921 (109: 134) Traveled about 3 $\frac{1}{2}$ m
 north along laterite & sandstone plateau.

The vegetation is thicker here than any previously
 observed over any extent, except *Gallitris*
 grows to 60 ft in fairly thick patches, but
 the trees have not the growth, nor distribution of
 the out of the trees. The Hawley river *Acacia* forms
 a dense thicket-like undergrowth to the species, &
 also to *Euc. tetradonta*, *E. miniata*, & Red Gum.

Descended steep cliff-like sandstone scarp,
 & entered grassy basalt flat. Collected *Herpestites*
Euphorbia vespertilio, without dark base to standard

Thursday, 4th Aug. 1921 (110:134) left King Edward river, & travelled due north from (R4) along plateau, sandstone overlies with laterite gravel. Squelching approaching an undergrowth was observed here, this being formed of shrubs & tuft like & quite the principal were - *Banksia dentata*, *S. heliopyrum*, *Personia* sp. *Petalostigma quadrilobata*, *Acacia* (Swainson river) *Sesuvium* *S. chrysoendrum*, *Verticordia*, *Quinkabine's* tree

x Trees - *Euc. tetradactyla*, *Euc. miniata*, *Woodlark* (laterite) *Euc. alba*? Red Gum, Swift Bay GARDIPOINT. several large trees 30-40 ft *Gallitris microcarpa* observed *P. odoratissima* with which appeared to be smaller & more globular fruits than the normal form.

x Friday, 5th Aug 1921 (109:134) Travelled about 3 1/2 m north along laterite & sandstone plateau

The vegetation is thicker here than any previously observed over any extent, except *Gallitris* grows to 60 ft in fairly thick patches, but the trees have not the growth, nor distribution of the Mt Hann trees. The Swainson river *Acacia* forms a dense thicket-like undergrowth to the species, & also to *Euc. tetradactyla*, *E. miniata*, & Red Gum.

Descended steep cliff-like sandstone scarp, & entered grassy basal flat. Collected *terrestribis* *Erythrina vespertilio*, without dark base to standard

x Saturday, 6th Aug. 1921 (108:135)

Sunday, 7th Aug. 1921 (107:136)

Sandstone & laterite veg. Swift Bay GARDIPOINT, *Euc. tetradactyla*, *Woodlark*, *Swainson* *chrysoendrum*, *Swainson* in sp. *Swainson* trees, *Swainson* river *Acacia*, *Euc. miniata*, *Swainson* *microcarpa*.

x Monday 8th Aug. 1921 (106:137)

Exocarpus on sandstone hills, Vansittart Bay. apparently *parasitica* *Ficus* sp. (glabrous leaf)

x Tuesday 9th August 1921 (105:138)

Abricaria geranioides, white, pink centre. Rocky Cove, Swan Bay

Thursday, 14th July, 1921 (131:112)

Tree *Euc. miniata*, *Strungy bark*, Red Gum, Bloodwood
Summit tree, *Andalucia* on flat 163 (Punka's (Palm tree, Freiland
Chlorobryum, *Farisia* or coll. *Principis* (T. Gummi, *Carmin*) Camel pen on
Wombark

Friday, 15th July 1921 (130:113) Collected & prepared 7 samples
of bark for Roberts Products Laboratory.

Eq + 6w) Saturday 16th July (129:114) Sun. P.A. 7h 40m 55s Dec. 21° 25' 19.6"
all collected on Box bark for F.P.L.

Sunday 17th July (128:115) S.R.A. 7h 44, 57-62 Dec N. 21.15 25.4 Eq + 5² 53.5

Monday 18th July (127:116) S.R.A. 7h 48m 59.16 N 21.5° 10.6" Eq + 5² 58.71²²

Tuesday 19th July (126:117) S.

Wednesday 20th July (125:118) S

Thursday 21st July 1921 (124:119)
Arrival of lugger at Walmesley Bay from Swift Bay with Messrs
Siddons & Easton aboard. mail arrives

Friday 22nd July 1921 (123:120) Lugger sails in early morning.

+ Saturday, 23rd July 1921 (122:122) (122:122) Walmesley Bay, Admiralty Tuff.

Sunday 24th July 1921 (121:123) Sandstone: *Archelapernum*
Euc. miniata, Ironwood

Basalt: Box, Ironwood, Tristama, various terminalia, Wombark
Hakea macrocarpa? Steelwood

x Monday 25th July 1921 (120:124) Sun 8h 16m 54s. + 19° 43' 40" d'Gauss.

Country - Basalt, the hills capped with laterite, which has
a Eucalypt peculiar to this formation like a more or less
appearance, the timber being like that of the *amarri* & yields
quantities of resin. Collected an "Wombark" with large
fruits, of wh. a sketch has been made.

Tuesday, 26th July 1921 (119:125) Sun Basalt throughout

Basalt. *Amarri*-like Eucalypt with marked heterophyll
Tristama Mariae, *Ficus sponserata*, *Cordia* tree
R.D. *Summit* T., Bloodwood, *Euc. miniata* (Wombark)

Hakea macrocarpa?

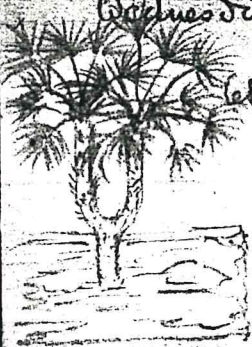
Wednesday, 27th July 1921 (118-126)

Observed *Tristama Mariae* with branching
caudex, much contracted at the place of
bifurcation. height about 10ft, bifurcated
at 3ft from ground. Caudex 7ft.

Notes of of *Coccoloba*, wh. I collected in the
Lawley river among basalt rocks with
Bloodwood & "Box" & *Tristama Mariae*
Probably the same as that collected
at Gauden Sand

Long 1260

x Thursday 28th July 1921 (117:127) Sun generally E.N.E.
Basalt, "Box", Wombark, *Sarcocolla* (various) *Hakea macrocarpa*, *Tristama*
Mimosa (2 sp.) Camel penon *Sarcocolla cordatus*, *Cordia*, Lawley



x Monday 25th July 1921 (120:124) Sun 8 h 16 m 54 s. + 19° 45' 40" d'Gauss.

Country - Basalt, the hills capped with laterite, wh has a Eucalypt peculiar to this formation like - *morrellii* appearance, the timber being like that of the *mauri* & yields quantities of kino. Collected in "Wombark" with large fruits, of wh. a skeleton has been made.

Tuesday, 26th July 1921 (119:125) Sun Basalt throughout
Basalt. Morrell-like Eucalypt with marked heterophylly
Livistona Mariae, *Ficus sphaerata*, *Casuaria* tree
R.P. Sumner T., Bloodwood, *Euc. miniata* (Wombark)

Halca macrocarpa?

Wednesday, 27th July 1921 (118-126)



Observed *Livistona Mariae* with branching caudex, much contracted at the place of bifurcation. Height about 10 ft, bifurcated at 3 ft from ground. Caudex 7 ft.

Notes sp. of *Casuaria*, wh I collected in the Lawley river among basalt rocks with Bloodwood & "Box" & *Livistona Mariae*. Probably the same as us - that collected at Gauden Sand

Lang 1260

x Thursday 28th July 1921 (117:127) Trav. generally E.N.E.
Basalt. Box "Wombark" *Stereulia* (various) *Halca macrocarpa* *Tristemma*
"Mimosa" (2 sp.) *Gumel* poison *Sarcocaulis cordatus*. *Grossa* Lawley
river at 10.45 am. Large skeletons of *Typha angustifolia* exist
in the river bed, also the tree collected at the head of the Drysdale
Ficus glomerata & *Sarcocaulis cordatus*, *Melaleuca leucadendron*
(small). The river forms a line of demarcation between basalt
& quartzite; the latter forming low ranges (hills on the eastern
side). Quartzite veg. "Wombark", *Euc. tetradonta*, *Euc. miniata*,
Gumel poison small white-fl. Myrtaceae (2 or 3 leaves) *Petalostegia*

Friday 29th July 1921 (116:128) Lawley river camp

x Saturday 30th July 1921 (115:129) Trav. S.E. by Lawley river,
demarcation between basalt & quartzite
Quartzite - Wombark, *Euc. miniata*, *Gallitris verrucosa*, *Nasturionia* C.
Calyptroni melaleuca *Leptadendron* *Eugenia* *Eucalyptoides*
Casuaria sp. of 27th July on basalt soil Collected male cone scales
Gumel poison on quartzite rocks, also on basalt hills. sp. collected here
Saw rather fine clump of *Santalum lanceolatum*, growing
among quartzite rocks in creek; obtained few specimens.
Sample of wood for distillation, & *haenstonia* from
rocks of the Bull Creek acacia, wh. has linear "pinn" like
pinnules, cylindrical spikes, & a very fibrous bark.

x Sunday 31st July 1921 (114:130) Sighted Steep hill Crystal pt. &
ants *Crematogaster* & *Keio* The sp. of *haenstonia* collected yesterday
has a light brown fibrous bark & widely spreading branches,
wh. are not numerous. Collected *Eucalyptus* sp. (probably new)
A tree of 15 to 20 ft, with spreading gracefully drooping
branches & soft green foliage. Bark rough, of a
reddish black colour. Trunk 6-8 inches.
Grows in clumps in quartzite creek among rocks
noticed *Sarcocaulis* sp. wh. appeared to be
parasitic on *Petalostegia quadrilocularis*.

Callitris at source of Drysdale river height 65 ft
 Full at 3:0 from ground 9 ft. Trees fairly common
 forming open forests with "sarak" & a few trees of
 the *miniala*. Undulating country well grassed
 with sandstone ridges covered with *Callitris verticillata*
 or *miniala*. The above dimensions are from
 a tree grown on the flat country.

Tuesday, 27th June 1921 (147:97:13) Snow - Waqin

Wednesday, 29th June 1921 (146-98-12) Waqin

Fairly thickly timbered with "moulark"
 composed of *Cycas* with grassy drooping glaucous crown on
 the basalt divide between the Drysdale & King Edward rivers.
 numerous moularks, & *Euc. n.*

Thursday, 30th June 1921 (145:99:11) Waqin

Passed F. 3, 6), open country, turning into undulating grassy hills
 country with gorges. "moulark" & *miniala*
 trees (K. 21)

Friday, 1st July 1921 (144:100:10) Part

Travelled down gorge
 of Upper King Edward river. Sandstone cliffs & basalt peaks,
 the former producing many large mounds but few trees,
 chiefly *Euc. miniala* & *Callitris*. The basalt has *Callitris* & moulark
 Quinine trees, & *Caduput* & *Pandanus aquaticus* in the river
 bed. A few sandalwood noted (15 ft. 4 in). The basalt has its
 characteristic grass "Kaukawa grass" (*Anthoxanthum* sp.). A tree
 with small red berries, previously observed at the Mission creek
 grows plentifully in the basalt-bed of the river. *Sterealia viscidula*
 occurs freely among the sandstone rocks.

Saturday, 2nd July 1921 (143:101:13) P

Country traversed chiefly basaltic, the river in most places
 forming the line of demarcation.

- (A) Basaltic: - Box & moulark. Thin bedded down Quinine tree & ^{to Terminalia}
- Terminalia* *Gottan* trees, Kaukawa grass, *Plumbago* (shrub) *miniala*
- (B) Sandstone: - *Euc. miniala*, *Problea* (round leaved) Quinine
Sterealia viscidula, *Kaukawa*, Pink *Callitris*
Terminalia *Gottan* *heliosperma*
- (C) River bed: *Melaleuca leucadendron*, *Pagoua*, *Scaevola*
grandiflora, *Sarcoccephalus cordatus*, *Sorghum* sp. "Game grass"
Sida (sh. coll)

Sunday, 3rd July 1921 (142:102:12) P

Ascerives out-crop of basalt. Basalt formation capped with quartzite
 then ironstone. Summit trees. Stringybark, & a tree with
 unlike a *morrell* in appearance. *Terminalia* one. *Acacia*
 no *Callitris*. The tree marked by Bradshaw is burnt out
Bria nanorama.

Monday, 4th July 1921 (141:103:11) P

Around source of Lawley river

Tuesday, 5th July 1921 (140:104:10) P Lawley river

Country traversed chiefly basaltic, with occasional
 outcrops of quartzite. Rich alluvial soil producing fine
 grasses & open forest of Box & moulark
Caduput & *Sarcoccephalus* with *Pandanus* along the
 river. Quinine trees & *Rumicaria* down tree on the
 flats

Wednesday, 6th July 1921 (139:105:9) P. Lawley river ? 4 southward

Ascended conical hill of calc. coll. *Acacia* sp.
 Sta. about 5-10 ft. to dark brown *Problema* drooping &

- (B) Sandstone: - *Euc. miniata*, *Freycilla* (round leaves), *Quinnia*
Stereocorys viscidula, *Kingia*, *Pink Callitris*
Terminalia sp. *halosperma*
 (Y) River willows, *Melaleuca*, *Leucadendron*, *Pagratium*, *Leptocarpus*
grandiflora, *Sarcocapulus cordatus*, *Fragaria* n., *Cane grass*;
Ficus (31. coll)

Sunday, 3rd July 1921. (142:102:12 P.)
 Ascended east from the Basalt formation capped with quartzite
 then ironstone. Summit tree *stringybark*, & a tree not
 unlike a *murrell* in appearance. *Terminalia* n. *Acacia*
n. Galitris. The tree marked by Bradshaw is burnt out
Mic. nanerama.

Monday, 4th July 1921. (141:103:11 P.)
 across source of Lawley river

- x Tuesday 5th July 1921 (140:104:10 P.) ~~Lawley~~ Lawley river
 Country traversed chiefly basaltic with occasional
 outcrops of quartzite. Rich alluvial soil producing fine
 grasses & open forest of *Box* & *Wondark*
Cadpuit & *Sarcocapulus* with *Pandanus* along the
 river. *Quinnia* trees & *Kimberley* *Dorras* tree on the
 flats.
- x Wednesday, 6th July 1921 (139:105:9 P.) ^{Beam 295°} Lawley river? & eastward
 § Ascended conical hill & collected *Acacia* sp.
 + Stem erect, 8-10 ft. bark dark brown. Branches drooping &
 spreading. *Phyllodora* glaucous. Flowers light yellow, the whole
 much closer resembling *Ac. cyanophylla*.
 Country traversed rich basaltic plains producing abundant *Trametes*
Box & *Wondark* in almost equal quantities. The hills are quartzite
 capped with *Caterite*, on the ground *Euc. miniata*, & a tree previously described
 as *Bradshaw* very like *E. longicornis* in appearance. Country very similar
 to that of the preceding day.
- x Thursday, 7th July 1921 (138:106:8 P.) First morning observations of
Quinnia & *Viridis* n. rise at the same time. Crossed Lawley river at 7.30
 am. entered sandstone elevation with many *Callitris* trees 30-50 ft
 to intermixed with *stringybark* beneath which were *Freycilla* n.
Livistana sp. n.? *Euc. n. Wondark*. *Acacia* (minor n. n.)
Pink Amaranthaceae very common also *Curtis* trees. The white
Myrtaceae & *Verticordia* *Gummifera* are also very common
Euc. miniata flowers in the sandstone country.
- x Friday, 8th July (137:107:7 P.)
 Collected *Livistana* sp.

Saturday, 9th July (136:108:6 P.)

Forest of *Euc. teladanta* & *Livistana* n. on
 tableland of *Caterite* & basalt of considerable
 extent. Several *Wondarks* exceeded 40 ft in height.

Sunday 10th July 1921 (135:108:6 P.)

Bloodwood & *Codilaria*
 Bloodwood & *Codilaria*, also *E. miniata* & n. of *Desert*
Am. in the vicinity of *Wondark* Bay.

Monday, 11th July 1921 (134:109:5 P.)

Tuesday, 12th July 1921 (133:110:4 P.)

Wednesday 13th July (132:111:3 G.)

Friday 17th June 1921 (158:86:25) Dainton Fin. N.E.W. - 6 miles from

The large Eucalypt *cells* which occur in swamps, & the gullies of sandstone ranges the Eucalyptus ranges included in identical with the one collected 12th June which was in rock & a much smaller specimen. Collected one tree growing among Goolibah in sandy soil in creek 40 ft high with a diameter of over 30 inches. Country traversed scrubby, undulating with large outcrops. Prince trees. *Euc. miniata*, and *Leucaedendron*, *Callitris*, *Persea* v. *microcarpa*, *Terminalia* (with Goolibah in basal soil) *Verticordia* (20 ft) *Cork tree* (*Scolymus*) *Pandanus aquaticus* & *P. oleraceus*, *Leumia* tree "Plum tree" *Stevilia* (crops)

Saturday 18th June 1921. (157:87:24) Wagin

On the smaller gullies of the Tableland west of the Prince Regent river occurs *Euc. macrocarpa*, a tree rather suggestive of a jarrah in appearance, erect 20-30 ft 16 in diam. Branches pendulous, few branches. The leaves pale green & hanging vertically. Timber pinkish, soft and rather dense. Flowers white or possibly pinkish. Fruits narrow ovoid or broadly fusiform. Gill. Lat.

Sunday 19th June 1921 (156:88:26) Wagin Direc. S.E. 4 m.

Euc. sp. ind. a tree of 40 ft, trunk 20 ft 18 in diam

"Kunderley jarrah" Bark leaden grey (tannin colour) persistent & very fibrous, stopping in long pieces. Timber pink & soft, rather like jarrah. Branches spreading, & few, leaves dull & thick. Fruits very deciduous, hence good fruiting specimens unobtainable. Tree has a decided flavour of Eucalyptus oil in leaves & fruits.

Monday 20th June 1921 (155:89:24) 10 m. S.E. Crowned F.F. 50

Euc. no. *Cymbidium* sp. epiphytal in Goolibah

Crowned extensive plateau, dividing Goleter from Pr. Regent river. Eucalyptus very common

Tuesday 21st June 1921 (154:90:23) Katg.

Sun rises 66° winter solstice

Trees *Euc. sp. no.* & *no.* *Acacia* *no.* *Leucaedendron*, *Callitris*, *Persea*, *Verticordia*

Euc. miniata, *Terminalia* or *Callitris* of riv. & *Verticordia*

Country flat & inclined to be marshy, large thickets of *Sarcocolla*

no. photographs with an undergrowth of small grass

Persea *no.* in sandy soil, 20 ft. bark like that of

P. longifolia. Saw numerous *Callitris* trees many of them very large

Wednesday 22nd June 1921 (153:91:22) Katg.


First morning observation of *Sarcocolla* & *Royal*

Saw *Callitris verrucosa* very *microcarpa* 80 ft & 2 ft diam, very straight & plentiful

Leucaedendron 95 ft

Thursday 23rd June 1921 (152:92:21) Tamb.

On quartzite ranges in part *Acacia*. Saw small white-barked eucalypts with

them, the capsule deeply  sunk. Bark white, the lower part of the trunk marked with small plates

river Eucalyptus very common

X Tuesday, 21st June 1921 (154:90:23) Katg.

Sun rises 66° winter solstice

Trees Euc of no & no. *Freycinetia minor*, *dro. rostrata*

Acacia of no. *Pandanus odoratus* var. *blechn. Near Tree*

Euc. *miniata*, *terminalis* var. *Galathea* of no. & *Verticordia*

Country flat & inclined to be marshy, large thickets of *Freycinetia*

no. photographed with an undergrowth of small grass

Passonia of no. in sandy soil, 20 ft. bark like that of

P. longifolia. Saw numerous *Callitris* trees many of them

very large

X Wednesday 22nd June 1921 (153:91:22) Katg.


First morning observations of *Santalum* & *Tigial*

Saw *Callitris verrucosa* var. *microcarpa* 80 ft
& 2 ft diam, very straight & plentiful

Melaleuca Leuca deodora 95 ft

Thursday, 23rd June 1921 (152:92:21) Tamb^B

On quartzite range in Mt Agnes. Saw small white-

barked eucalypts with  fruit hemispherical-ovoid
them, the capsule deeply sunk. Bark white, the lower
part of the trunk mottled with small flakes

Friday 24th June 1921 (151:93:17) Tamb

Saturday 25th June 1921 (150:94:16) Snow

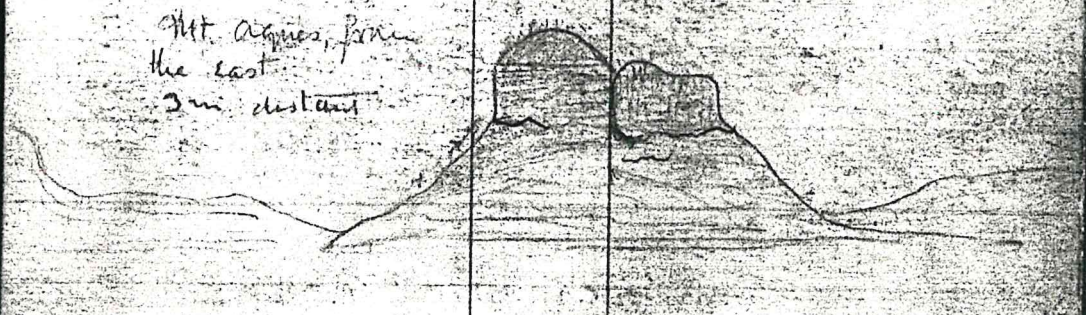
Saw large *Callitris* pines, 80 ft, & several
Sandalwoods.

Sunday, 26th June 1921 (149:95:15) Snow.

Several Sandalwoods, 15 ft, 6 in diam. Wood with
slight scent of Sandalwood (*Tussum*)
apparently parasitical on *Freycinetia helioperma*
and *Terminalia* sp.

Monday, 27th June 1921 (148:96:14) Snow.

Mt Agnes, from
the east
3 mi distant



↓

Left Port George iv. Mission 9.50 am. Travelled E for

seven miles, camped at 3.0 pm in creek flowing into Prince Regent river. Shot young Kangaroo on track. Saw first good specimens of *Livistona alpestris*, 10 ft in height, growing on the summits of the macadamized Ramp, in sandstone rocks with *Enc. minutata*. Country more scrubby than usual, the chief undergrowth being a sp. of *Acacia* with phyllodes like *Casuarina* sp. collected at midquinta. Saw also sp. of *Cassia* in flower, & *Althaea* with large yellow fl. ascending stem & obtuse oblong leaves. Pink *Ptilothus* tall occurs in patches of rising ground. Mr. Paull, in Wright pack, & Mick returned to Brown in the ligger. Collected today a *Eucalypt* with broad leaves, previously thought to be a *Terminalia* sp. The fruits are obovoid, & not unlike those of *Enc. endemioidea*.

X Tuesday, 31st May. 69.175. - Left camp 7.10 am. Sought two remarkable flat-topped, racemose-sided mountains, probably not traps, but of water-laid. Rough country, sandstone ramps, dotted with *Enc. minutata* (2 ft diam.) & *As. Galilaea* becoming taller, *Acacia* scrub, & not unlike the previous day's country. Saw *Apple* & *Quinine* nothing in afternoon. Cassie does not return at night.

X Wednesday, 1st June 70.174. Spent day in camp of 31st May. Searching for Siddins

X Friday, 3rd June. Crossed basalt insulating country in Prince Regent river, where produced "Box" but no *Enc. minutata*

X Saturday, 4th June

X Sunday, 5th June 70. *Enc. minutata* umbels of 3 to 7 fl. calyx like scrub. Stamens & pistil infected in the end (stamens orange), anthers yellow, style green with a small capitate stigma. (Stamens spirally inflected or deorsally inflected). Camped at 2 pm. Saw two snakes after dark among the beds.

X Monday, 6th. In Prince Regent River country. Collected spec.

X Tuesday, 7th June. Turned on our tracks of yesterday, & struck in a S. direction. Rough sandstone covered chiefly with *Enc. minutata*, made a Gate start this morning, & in eastern hills brown snake, about 6 ft long, its nature carried along. Camped among *Enc. minutata* & "*Godibah*" among grass & sandstone rock.

Wednesday, 8th June 167.77.

"*Godibah*" A tree of 35 to 50 ft. with a usually bent or distorted trunk & branches, the bark of a dirty grey, rough & persistent throughout, somewhat darker than the average "box" tree with lumps on some of the branches, (the bark, or the trunk in general is very similar to that of the older trees of *Enc. Coxophloea*). Leaves narrow lanceolate, & somewhat glaucous, hanging never less perpendicularly. Trees in this locality 24" in diameter.

Travelled over some rough country, & camped at head of river, in a boggy part. Very cold night, heavy dew near

Thursday, 9th June 166.78. Left camp 6.50 am (approx) travelled up rough gorge and arrived in tableland even where we travelled in a SE direction. *Enc. minutata* & undergrowth of *Acacias*. Few *Euphorbia*s. In the afternoon constructed carrying press. Collected *Enc. minutata*

Friday, 10th June. 165.79. Left camp about 7.5 am

Plant collected in sandstone rocks among spruces (Sweet & Coard branches) 4 to 7 ft high, the base woody fl. white, in terminal racemes, sometimes slightly bifurcated with pink wattle (*Acacia* sp. no. previous) with King's Lepid rays, occurs on the summits of hills among sandstone rocks with a thorny sp. of *Hibiscus*.

X Saturday, 11th June
Saw photographed waterfall including *Enc. Horseman*,

filled brown snake, about 6 ft long, native carried along
 Sanded among, *Euc. immitata* & "Goolitah" among grass &
 sandstone rocks.

Wednesday 8th June 1877.

"Goolitah" A tree 35 to 50 ft. with a usually bent
 or distorted trunk & branches, the bark of a dirty grey,
 rough & persistent throughout, somewhat darker than the
 average of these trees with lenticles on some of the branches,
 (the bark, or the trunk in general is very similar to
 that of the older trees of *Euc. loxophloea*). Leaves narrow
 lanceolate, & somewhat glaucous, hanging more or less
 perpendicularly. Trees in this locality 24" in diameter.

Travelled over some rough country & camped near head of
 river, in a large, open valley, very cold night, heavy dew.

Thursday 9th June 1878

Travelled up rough gorge and arrived in afternoon at
 we travelled in a SE direction. *Euc. immitata* & undergrowth of
 Acacias. Few *Euphorbias*. In the afternoon constructed
 carrying press. Coll. *Euc. immitata*

Friday 10th June 1878

Plant collected in sandstone rocks among spruces
 "Sweet & loose branched 4 to 7 ft high, the base woody
 & white, in terminal racemes, sometimes slightly
 suffused with pink" with Acacia sp. no. previous coll.
 King Leopold range, occurs on the summit of hills among
 sandstone rocks with a thorny sp. of *Hibiscus*.

Saturday 11th June

Four photographs waterfall including *Euc. Houseana*
 Sp. coll (2). Tree marked E Lat. 15° 40' 20"

Sunday 12th June 1921. (163. 81: Way.) "Goolitah"

a tree very like a "Box" in appearance, but with
 a narrower leaf, darker & more twisted bark, the
 wart of the trunk & branches usually of a dark brown
 color. Occurs in Fitzroy, where it is common along
 the river flats. Saw one specimen near the waterfall
 today collected seven specimens today (04 59 am)

- Monday, 13th June, 1921 (162-82 Way.) (04 59 am)
- Gassia 3 to 4 ft. sandstone rocks on hills.
- Verticordia, 8 to 12 ft. fl. white. sandstone hills.
- "Goolitah" 25 ft. in black soil.
- Acacia 3 ft. fl. yellow. sandy soil.

Wednesday 15th June, 1921. (160. 84. 27. Day)

Scrub-pressed *Sesbania grandiflora* (?) & *avenues*
 specimen finally, also scrub-pressed *Proculaceae*
 sp.

Thursday 16th June. Sandstone ranges.

Euc. immitata *Euc. Houseana*? 2 sp. terminalia, Goolitah
Sesbania grandiflora *Pandanus* (2 m) *Melaleuca leucadendron*
 worm, *Gleditsia*, *Verticordia*, *Gassia*, etc. *Plum* well
 grassed beneath *Sorvillex*, *Pandanus*, *Euc.* & *Euc.* n. m.