

Jim Lane's Field Notebooks Index Contd.

(Revised Index of 11/5/2014)

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JL_(1970-84)_18	1982-83	(13-03-82 / 18-03-83)	
JL_(1970-84)_19	1984	(15-03-84 / 16-03-84)	
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JL_(1992 on)_1	1	(03-11-92 / 03-08-93)	
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JL_(1992 on)_16	16	(18-05-95 / 18-12-95)
JL_(1992 on)_16A	16A	(08-11-95 / 11-11-95)
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JL_(1992 on)_18	18	(19-06-96 / 03-08-96)
JL_(1992 on)_19	19	(23-09-96 / Mar 97)
JL_(1992 on)_20	20	(Mar 97 / Apr 97)
JL_(1992 on)_21	21	(16-04-97 / 12-06-97)
JL_(1992 on)_22	22	(12-06-97 / Oct 97)
JL_(1992 on)_23	23	(Oct 97 / Dec 97)
JL_(1992 on)_24	24	(Dec 97 / Jan 98)
JL_(1992 on)_25	25	(10-01-98 / 22-01-98)
JL_(1992 on)_26	26	(22-01-98 / 13-02-98)

TO BE CONTINUED

Jim Lane's Field Notebooks Index

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JL_(1969-70)_1	'1969-70'	(Nov 70 / Jan 70)
JL_(1970-84)_1	1970-71	(6-12-70 / 17-2-71)
JL_(1970-84)_2	1971	(08-03-71 / 21/01/72)
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JL_(1970-84)_4	1973	(05-03-73 / 15-11-73)
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JL_(1970-84)_6	1973-74	(03-12-73 / 28-03-74)
JL_(1970-84)_7	1974-76	(03-05-74 / 24-10-75)
JL_(1970-84)_8	1974	(26-05-74 / 18-11-74)
JL_(1970-84)_9	1974-76	(28-08-74 / 02-10-76)
JL_(1970-84)_10	1974-76	(21-12-74 / 25-01-75)
JL_(1970-84)_11	1976	(25-10-76 / 27-11-76)
JL_(1970-84)_12	1977-78	(16-10-77 / 21-03-78)
JL_(1970-84)_13	1977-78	(24-10-77 / 19-04-78)
JL_(1970-84)_14	Oct 78-Apr 79	(06-10-78 / 14-04-79)
JL_(1970-84)_15	1979 (Apr-Sep)	(16-04-79 / 19-09-79)
JL_(1970-84)_16	1979-80	(26-09-79 / 23-05-80)
JL_(1970-84)_17	1980	(14-05-80 / 07-11-80)

all



The following ~~pictures~~ re

trip to Joshua Desert

June-July 1982 by

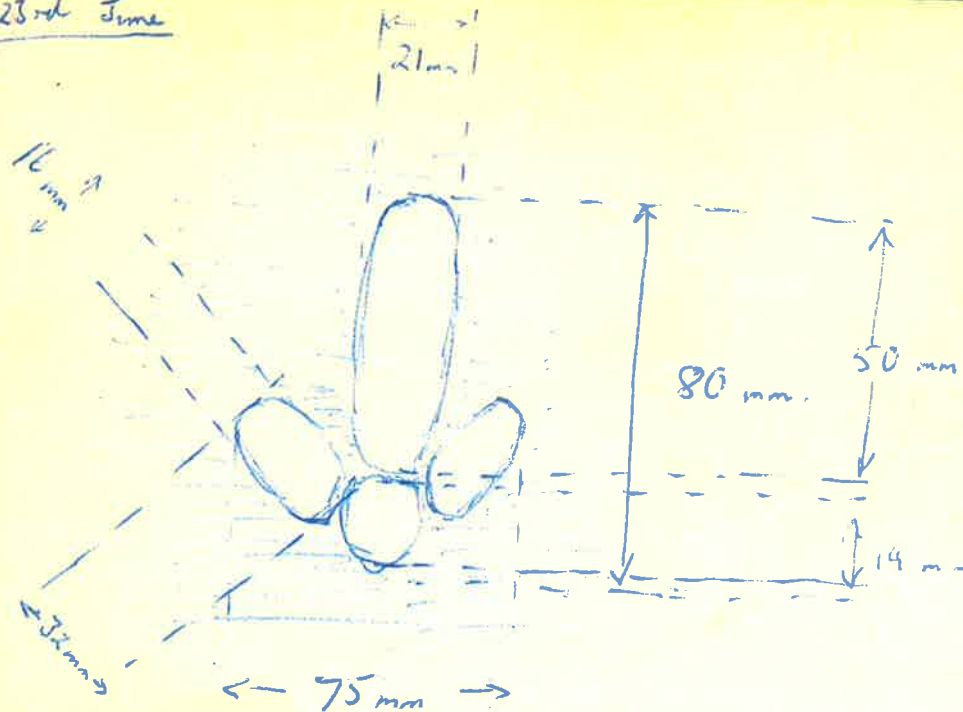
Phil Fuller, Andy Chapman

and Jim Lane photographed

on 02 August 2012

Two 23rd June

(71)



1010 km. Diurnal bird on head clay pan with
thin layer of sand and small (≥ 1 mm)
pebbles. Saw bird - by adult.
431.5 km from Laverton on road
to ~~Laverton~~ Westerton
(approx 3 km SW of Manunda Rockhole)

434.6 km. Manunda Rockhole - morning
see. Sweet Water in rockhole
Zebra Finches.

467.6 km Gahnda
~~Gahnda~~ Rockhole - one of the
big ones. Photo 1.

3 Rolls only of slide film used on
this trip - no print film.

(72)

Native Boy - Codonacarpus ≤ 25 feet.
1000 ft - 15 years? After fire.

King Brown (11/12) Snake (c 4 ft) dead
on road 529.2 km.

(75)

Thurs 28th. June

Awoke around 6 am, up at about
7 am. Had very light breakfast (cup
of tea & rice porridge) and chatted with
the anthropologist - Oushmar.

He suggested that if we took an
aboriginal guide down to ranges south
of the Harris Breckway (ie down
to Sheriff Breckway) we might
be able to trap some mammals there.
He decided to save that idea for
another trip.

Around 8.30 drove in to Winton.
Refuelled vehicle, filled up Jerry cans
with water and headed north to
Told Range. Saw two dingoes on
track on way. Also plenty of
carnot tracks.

Photographed den Bessells tree and visited
Aboriginal camp nearby.

 (Wurtli's or Wilga's) made
of branches and Sargassum.

One man and wife with 3 sons &
1 daughter another man & wife, plenty
of dogs. Bought spears and

25th June

(76)

Spear-thrower for \$10 - Aborigines
were keen to sell & they named the
price. Spear - Kuluta
Spear Thrower - Miru
Shield - Tara

Showed them photos of native records -
they quickly said which ones they knew,
which ones they didn't, and which
had disappeared and when etc.

Man spoke of quite reasonable English.
Kids obviously had had schooling.
("See you later alligator" - 14 yr old
daughter)

We camped for the night approx
6 km further west.

(77)

Fri 26th June

Up at 0545 due to rain (light)

2 Bullies.

numerous Billbirds heard.

old camel tracks.

Zebra Finch heard.

~~Red~~ red-eyed Thornbill.

Song H. lark in Eremophila (flowering)

Willie Wagtails heard

Notabilis Hill - Photos 7+8.

radio clock - 0845 hrs.

Turn NE on cut line 150.9 km. + 28 = 178.9

Bushbird on road, Brown Songlark.

157 km 6 Major Mitchell Cockatoos.

2 Red K. roos.

168 km Kestrel.

170 Brown Songlark.

171 Desert Oaks Co. decussata

183 BPCS + Bullies.

191 BN Pygmy (2)

FRI 26 JUNE .

(78)

193.9

Turn Back.

(reverse speeds.)

Photos of Desert Oaks.

Spring-decked H. zebra in this area.

163 km

Zebra Finches

150.9

Back to the Grandderrail Hwy - head west.

156

Can. Quail Thrush.

157

Photo show H. screen

163

Brown Pelican

(very light)

165

Photo of deer.

Photos ¹⁸ 19 - Mt Beadell.

173 km.

20-22 from Mt. Beadell

~~to~~ Mt Beadell - lunch stops

212

Photo 27 - looking E along old
Hunt Oil airstrip - note regeneration

216

Ctenosac pantherinus - shot him in
open sym. hi - Photo of Andy + Rex.

26 + 27 JUNE

(79)

221 km. Photo 30+31 - Brown Ridge

229 km Turn road on Gory Hwy
- Photo 32+33

232 km Photo 34+35 - Gory Hwy.

Camped overnight near dry creek bed at foot
of Young Range. surrounded camp at
night. Had a good look at
it with head torches - 10 pm.

And then to bed.

SAT ~~26~~ 27 JUNE

-2°C overnight

Blowing with - 1 pair of song sparrows

Red Linch Rocks

Bellbirds heard

Whistlers heard.

S. Larks near camp

Photo - Diplotaenidia elderi (Jewelled Creeper)

SAT 27 JUNE

80

Redbreast ? (orange throat)

West West North North West NW

1
Photo 1-6 Anders print camera, panorama
from dry point in Young Range.

Spent the whole of the day drilling
and blasting to produce holes for seven
pit traps joined by 100 metres of
wire netting. Took numerous
photos of drilling and blasting process.
Beautiful day - little breeze, clear sky,
temp approx 21 °C. Worked with
shock off + a little burst.

Back to camp for dinner at 4.30 pm.
Cooked - steak + spuds, onion + egg.
Back to 5'ish. Drove south to
spruce plains area at 6.30 and
lit up 100 - 150 chumps without
seeing a single reptile. Only
Chymen caught a plumpire of
a Notomys-like animal. Black
from lightning long lines of fire
across the plain.

27th + 28th June

(81)

Back to camp about 8.30 pm and
look along in front of fire.

Sun 28th June

Wg. at 0645 - day light.

-2°C was minimum overnight.

Snow it was hard.

Red throats all of Redthroat -
very similar to Canary - hence
some "Duck Canary".

♂ Redthroat came in within 8ft

Gray bird with buff lower underparts.

Chestnut patch under throat. Very active
incubating on ground. ♀ has no throat

patch but is gray with buff underparts.
(brow)

Small party of Chestnut - winged,
red-eyed Thornbills. Probably Black-
backed Thornbills as tail not "cocked" (as
in case of Black-t. Thrill) and breast streaks
not seen

Sun

28 June

(82)

Wren - 200⁰⁰ - orange bill dusky back + crown
eye. Blunt tail
♂ dark bill, pale blue ring around eye
blue tail. brown grey above, lighter below.

♂ Wooded Robin + ♀

Last breakfast

Went to check pit-trap line.
Found one ♂ *Sminthopsis longicauda*
(17 gms) in second last pit. This
is the animal we were after !!!
First time to be captured alive (or
seen alive) by white men (only four
other specimens known in Australia's
history).

Put down 5 more pits and
100 metres of drift net on same
backway approx 200 yds away.

28th + 29th June
(83)

Skipped one tyre in process

Knocked off about 4 pm. Had
dinner and mended puncture
around 5 pm.

7 pm went spotlighting on logs
of bracken. Found nothing
except one *Diploxypterus* gecko
(in valley)

Go to bed at approx 10 pm.

Mon 29th June.

Up at daylight (6.45).

Breakfast. -1°C frost.

Saw definite Broad-billed Thornbill
(red eye, chestnut wing, streaked
breast) } Note that these birds
did not comb their tails.

Off to trap point trap line
for insect 0845 radio shed and
to check line. No animals
caught.

Mon 29th June

(84)

Remains of sly sinking 5 ft pits
~~5 ft~~ and 100 inches of drift
fence down the face of a brickway
from ridge at top to scarp line
plain in valley. ~~that~~ Sent
one additional pit further into
scarpstone. - Will erect additional
fence tomorrow.

Knocked off at 3 pm. Back
to camp and mended second
rotated tyre. Had dinner.

Andy & Phil went "bad-ducking"
in evening for 1 hr or so - nothing.

I sat by fire and read
Rider's "Remains of Chastity".

Wrote diary.
To bed at 9.45 pm.

Tues 30th June - 1°C ?

Up at daybreak. Redthroat providing much
dawn chorus - beautiful
Breakfast. Two pairs colonial kingfishers
trilled past while we were eating. Stopped
separately for a look

(85) Tue 30th June contd.

for 15 sec, then looked on. About
10 minutes later 3 dingoes made their
way back to the east along the sand
ridge of the creek line we were camped
in. Took Photos

Inspected dogs line at 0815 - nothing.

~~Radio~~ Radio started at 0845.

~~While~~ While Phil was radioing I was
was watching 3 dingoes moving around
general area of camp + with ~~large~~
bushwackers ~~at~~ over 1 km or so.

Willie Wynter on track.

Spent morning putting in another
5 pit traps + 100 m of wire fence.
Dingoes howled for a while out
on plain.

(85) Tue 30th June contd.

for 15 sec, then trotted on. About
10 minutes later 3 langurs made their
way back to the east along the south
side of the creek line we were camped
in. Took photos.

Expected dogs here at 0815 - nothing.

~~Radio~~ Radio started at 0845.

~~While~~ While Phil was radioing I was
was watching 3 langurs moving around
gravel area of camp - with ~~last~~
bromeliads ~~about~~ ~~the~~ over 1 km or so.

Willie Hyland on track.

Spent morning putting in another

5 pit traps + 100' m of wire fence.

Langurs howled for a while out
on plain.

Wed 1st JULY 81

(87)

Scaly-backed Parrot

Bird at night cage
216.3 km

Bright blue face & crown, red throat
& upper breast, distinct cut off to yellow
lower breast & abdomen. Green above
with blue (lighter) streaks on the sides.
Blue patch in wing obvious in flight,
Yellow under tail feathers. A small black
patch.

♀? has paler blue face and dark
green where red in ♂.

Lesser Frigate

Grey-backed H. white breast & skin.

White Fronted

Younger. Grey back streaked white
Blackish cap. Black skin throat &
upper breast. White forehead &
extending back & down to join
cap with white underparts.
Feeding in strong E. wind.

Birds? land.

Purple-backed Vireo

Green

Wed 1st JULY 81

(87)

Scaly-crowned Parrot

Bird at O'Neil's camp.
216.9 km

Bright blue face & crown, red throat
& upper breast, distinct cut off to yellow
lower breast & abdomen. Green above
with blue (light) and double patches.
Blue patch in wing coverts in flight,
Yellow on tail feathers. A small
parrot.

♀? has pale blue face and back
Green where red in ♂.

Zebra Finch

Grey-crowned N. white breast. 4 seen.

White Fronted

Wing white. Grey back, streaked white.
Blackish cap. Black chin, throat &
upper breast. White forehead &
extending back & down to join
cap with white underparts.

Feeding in flowering Eucalyptus

Booby? heard.

Purple backed Wren

Ten

1st July
Covd

(88)

Uniform grey - olive green above yellow line
behind ear (yellowish green "fashion") with
black line preceding it. Black bill & black
extending back to include eye. Light
underparts. Feeding in Eucalypt - solitary.
A short "chip" call.
Belted Kingfisher.

Willow - sized trees.
Singing H. like.

Purple backed Wren

Wren 1 ♂ + 2 ♀ (or more)
Red winged b. ♂ had black extending
down back to base of tail. Tail black
dressed. Light blue face with grey crown
(abstract). Purple/blue behind face.

Red-faced Thornbill

Banded White-face
Zebra Finch.

Then on towards Warburton
2 days 1 km from Warburton

1st July
Contd.

(88)

Uniform grey - blue green above yellow line
behind ear (yellowish green "fashion") with
black line preceding it. Black bill & black
extending back to include eye. Light
underparts. Feeding in Eucalypt - sitting.
A short "chip" call.
Bellbirds heard.

Willie - signed birds.
Singing H. later.

Purple backed Wren

Wren 1 ♂ + 2 ♀ (or more)
Red winged b. ♂ has black severely
down back to base of tail. Tail black
darker. Light blue face with grey crown
(character). Purple/blue behind face.

Red-faced Thornbill

Banded White-face

Brewer's Petrel.

Ten on towers Warburton
2 days 1 km from Warburton

(89)

Refurbished vehicle, more water, stores from
shop. Saw Herbert & Loren Howell &
packed S. lo. mendana for flight to Port.

Michael Henderson - 9 ga

used to be in position with School
- knows Miss Darling (date) from "Loring"

~~Then~~ Lunch at Howells. Plain left approx 1 pm.
Had shower. Left at approx 2 pm for Mungie camp,

259.3

6.45 pm

Saw small mangrove boggy clay
road and all specimens. ~~Had~~
specimens to show at end. It
legged but across road before
fine sand.

~~Specimens~~ - ~~Specimens~~ ~~Specimens~~

Minicatchie (with) over specimen
in red sand.

... taking 3 children of Gilbert Jennings with
us. Arrived at Mungie approx 4.30.

Delivered Kids. Bought 2 skeletons (\$1.00) and
one shield (\$2.00) from Boris Jennings

Obtained names of adults & kids for census
(to give to Herbert Howell)

Then drove back to camp. and etc some freshly
collected grassy ect. ! ✓

Arrived at camp approx 7.15 pm. Dinner + beds

(89) Refueled vehicle, more water, stores from
shop. Saw Herbert & Loren Howell &
packed 5. 10. occidenta for flight to Port.

Michael Anderson - c. 9 pm
went to be at Penitence Hill School
- knows Miss Darling (note) from "Library"

~~Had~~ Lunch at Howell's. Plain left approx 1 pm.
Had shower. Left at approx 2 pm for Mungie camp,

259.3 6.45 pm

Saw small mungie-jack happy dog
raced and was surprised. Left
again to drive at out. It
left but seems real before
fine too. I also it with
remember - Normy's class
Mineritchie (with) are symph
in red sand.

... taking 3 children of Felicit Jennings with
us. Arrived at Mungie approx 4.30.
Detained Kids. Bought 2 tickets (\$1.00) and
one shield (\$2.00) from Bruce Jennings &
Obtained names of adults & kids for census
(to give to Herbert Howell) and etc some freely
then drove back to camp. costed party ext. ! ✓

Arrived at camp approx 7.15 pm. Dinner + beds

From
+
to Pet.

School
Library
at 1 pm.
magic camp,

with
30
and
freshly
+ bed

On Tues night Andy had continued visits from diggers. They dug
up one white & the stem, & clawed the end of his snout
(while he was in bed!).
Thurs 2 July 31 turned off a head and set for 20 yds,
drank dish washing water.

90

Breakfast
Alek pit line

1 Antechinus meadonellensis on top pit
at shoulder of ridge
1 Red Kangeroo.

I found another Smullysia longicauda
in pit trap on top of breakaway.

Phil + Andy also found 1 S. longicauda
in the line they checked.

One was ♂, the other female (the
one sent to Pet. on plane from Winton was
♂).

Ladies started at 0845. The
gan at 0930 to make plans.

Remains of morning spent in 4 more pit
traps and then 60 Elliot traps on
Lunch top of Charlie track to

breakaway. Back to camp by 3 pm.
General activities around

camp. I cooked dinner (carry over!)
and went to bed at 7.30 pm.

Read Robin's book re: Sci. inst. Pet.
Then fell asleep

From
+
to Pet. R.

School
"Library"
at 1 pm.
ragie camp,

May
16
24

improvement

with
30
and

freshly
! ✓

in + beds

On Tues night Andy had continued work from day before. They dug
up one shirt + the stem, cleared the end of his mattress
(while he was in bed!), covered off the head end set for 20 yds,
Thurs 2 July 81 already did working water.

(90)

Breakfast
Check pit line

1 Antechinus macdonnellensis on top pit
at shoulder of ridge
1 Red Kangaroo.

I found another Smullysia longicauda
in pit trap on top of breakaway.

Phil + Andy also found 1 S. longicauda
in the line they checked.

One was ♂, the other female (The
one sent to Pet. R. on plane from Westerton was
♂).

Lathis started at 0845. She
gave at 0930 to make plans.

Remains of morning put in 4 more pit
traps + and then 60 Elliot traps on
top of Charlie's track to
breakaway. Back to camp by 3 pm.

General activities around
camp. I worked time (carry over!)
and went to bed at 7.30 pm.

Read Robin's book re: Sci. est. etc.
Then fell asleep

(91)

FRI 3 JULY 81

Breakfast.

Check trap lines. — caught another
S. longicauda in pit trap at base of
scree slope.

Echidna shot ~~at~~ $\frac{2}{3}$ way down
steep scree slope.

Old *Leporillus* sp. nest in brickwork
— one plaster. Constructed together with
grass & soil forming black "decaying" substance.
Sticks, rocks & plant fibre (grasses) incorporated.

1 *Amphispiza* *melanocephala* in small
~~nest~~ ~~to~~ other traps on the plateau
at top of brickwork.

Rock shed.

Went to brickworks to east of logging
area

— photos of ^{Little} Woodswallow & Fairy Martin
nests in overhang of brickwork.

Leporillus nest in cave
Purple flowers — maybe *Verbena*.

2

Page
over
4

2 Pkts. of Phil - body dying, and Legionella nest
 Pkts. of piece of nest with oat shit (Legionella)
 but shit, + small concombre (prob.
Synanthus or Antelasma shit (degest))

Varanus giganteus - came from back of
 cone ~~rest~~ + nest. - Pluton.

Party of 7 very inquisitive Wrens (no ♂ in in
 body plumage) + 1 S. c. l. et al. H. color
 in creek bed on way back to vehicle.
 (1200 hrs)

→ Pkts of rabbit shit on top of tree trunk.

Back to vehicle at 1230. Back to camp
 for lunch.

Rabbit shit - 9×7 , 9×7 , 9×6 , 9×7 , 7×5
 10×7 , 10×7 , 9×6 , 9×6 mm



26

[degest flattened spherical]

Brown, with light flecks from pieces of undigested
 vegetable matter. When broken is almost entirely
 undigested vegetable matter. Outer coating is
 hard, persistent. Small "chuffy"

2 Holes of Phil + Andy digging out Legionella nest
 Hole of piece of nest with oat shot (Legionella)
 bat shot, + small conium (prob.
Synanthus or Antidromus shot (largest))

Varanus giganteus - came from back of
 cave ~~shot~~ + nest. - Phil.

Party of 7 very ingenious Wrens (no ♂ in in
 body plumage) + 1 S. c. l. a. d. H. color
 in cave but on way back to vehicle.
 (1200 hrs)

→ Phil of rabbit shot on top of breast.

Back to vehicle at 1230. Back to camp
 for lunch.

Rabbit shot - 9×7 , 9×7 , 9×6 , 9×7 , 7×5
 10×7 , 10×7 , 9×6 , 9×6 mm.

 [depressed flattened spherical]

Brown, with light flecks from pieces of undigested
 vegetable matter. When broken is almost entirely
 undigested vegetable matter. Outer coating is
 hard, persistent. Small "chaffy"

- 2 Photo of skulls from *Lepordillus* nest?
 probably *Dasygnathus jessleri* (or *bandicoot*)
 and *Antechinus* (lower mandible)
 and *Thylacynus* (one bat) - upper mandible.

Went for a walk down creek from camp
 from 15.45 to 16.30. Found some
 very common pools of water & some
 pairs of *Thylacynus* or *bandicoots*.

Went back down at 16.30.

At 17.00 took *S. leucogaster* back to
 side of creek above and released it
 (it is dead). After returning over from
 a couple of times it walked in creek
 in business. Still there 1 hr later.
 When asked next morning it was not there.
 This animal was marked at base of ear and
 top of skull with felt pen before release.

Went back to camp from
 17.30 to 18.30. Went to camp for dinner.
 Then to bed. Heard quite well
 but up early from camp at 10 pm.

(93)

- 2 Photo of skulls from Leporillus, nest?
probably Desguerus pectiroi (or Vandierci)
and Antechinus (lower mandible)
and Tephlozois (one bat) - upper mandible.

Went for a walk down creek from camp
from 1545 to 1630. Found large
nest containing parts of skull & lower
jaws of Desguerus or Vandierci.

At Red dawn at 1630

At 1700 took S. longicauda back to
cave of some mine and released it
(it is dead). After returning we found
a couple of times it walked in circle
in house. Still there I hope.

When checked nest morning it was not there.
This cannot be missed at base of nest and
top of skull with felt pen before release.

At spot fighting around truckstop from
1730 to 1830. Back to camp for dinner.

Then to bed. Heard night owl
but up camp ^{bed} from camp at 10 pm.

SAT 4 JULY

Breakfast

Check traps lines.

2 *Onychomys leucogaster* in ^{Elliot} traps (one from cave in breechway, other from top of plateau)

Phil found one ^{Mass} (or *Peromyscus*) in pit trap on top of plateau ^{hemorrhagica}

Only found on *S. leucogaster* in Elliot trap (all traps had material in, unmarked bait & beam) on the plateau.

Over to caves in breechway to east.
One had 3 lizards of *Phyllorhina* - v. old - approx 9' long. *Phyllorhina* eggs & one *Phyllorhina* were higher. Only climbed on one *Phyllorhina*. Nothing in traps. May have been a *Phyllorhina* site for *Phyllorhina* second objects.

Saw one old *Leptothorax* nest - stuff all. Without back to Charles Knob breechway.

Reddish lizard - *Phyllorhina* seen on top. Put dog into *Leptothorax* nest in cave. Found skeleton of young bird - perhaps *Canis* bird.

Justo ready - took photo. - *Echidna*?

SAT 4 JULY

Breakfast

Check traps lines.

2 *Onychomys leucogaster* in ^{Elliot} traps (one from cave in breckway, other from top of plateau)

Phil found one Mus (or Pseudomys) in pit trap on top of plateau [↑] leucogaster

Andy found on S. longicauda in Elliot trap (all traps last morning of unworked bird & beam) on the plateau.

Over to caves in breckway to east.
One had 3 lizards of *Phyllorhina* - or old - approx 9' long slanting upwards and ends of tail near ledge. Andy climbed on my shoulder, looking in hole. They have been a ^{long} while for elongated second objects.

Try out old *Leptomastix* nest - stuff all. Walked back to Charles Knob breckway.

Redthroat Lizard - Double Robin seen in cage.

Put Amy into *Leptomastix* nest in cage.

Found skeleton of young bird - perhaps

Cuban Swift.

Turds nearby - took photo. - Echidna?

Rem of end 12, 13, 14, 15 over in distance.
 Colour dark brown. Shing dark, light
 colored remains of end present.
 When held to nose, strong smell of
 horse stable for instance). Taken into
 a number of short flights (see plan)

Cypher darks Love white once at end
 white streak throughout. May be somewhat
 larger. Usually here for or further
 in stem.

Photo of skulls from nest.

Probably *Pseudomyz* and *Lophoceros* 11

Notomys - *Zygomys* and

Base to wing for insect. Segments from front

Preserve specimens, including 10 cells

Base of *Pseudomyz* (*Pseudomyz*)

Base of Redthorn - body too in pollen
 branches, too similar etc.

Piece of bark 13, 4, 14, 15 mm in diam.
 Colour dark brown. Shiny dark & light
 coloured remains of bark present.
 When left to rot, stem small &
 loose scales (see notes). Timber into
 a number of short lengths (see page)

Cypher Insects have white ones at end
 white streaks throughout. May be somewhat
 larger. Hardly here for or further
 in them.

Photos of sticks from nest.

Probably *Psephenus* and *Leptocryptus* 11

Notomyia - *Zygomyia* and

Back to camp for lunch. Signs from front

Present specimens, reading to back

Photo of *Psephenus* (*hemionobryus*)

Pair of Redthroats - fully two on fallen
 branches, two under etc.



Andy Chapman says that :

Jones, R. Wood. (1922-23) "The Mammals
of South Carolina," Adelaide - Gout Print.
3 Parts.

is perhaps the best book on Amer.
mammals I have it yet. Good
for talent. — Buy it.

Also by Lutz & Troughton.

Andy Chapman says that :

Jones, F. Wood. (1922-23) "The Mammals
of South Australia." Adelaide. Govt Print.
3 Parts.

is perhaps the best book on Aust.
mammals despite its age. Good
for ident. — Try it.

Also by Kitchin + Troughton.

(97)

Sun 5 July

Breakfast

♂ Banded on way to trap line

S. longicauda in N° 52.

another " " " N° 52

" " " ♂ in trap pit and dead
(medium size)

Back to camp to prepare on specimens for
gas controls.

Leave camp to set line to West

10.7 km. - Then change of habitat

open forest One juvenile *S. longicauda*

S. longicauda birds

at line need collect

12.6 When found *S. longicauda*

14.4 Reddish & *S. longicauda*

16.1 Banded *Thalassidroma* and in *Phalaena* Bush

- have found feathers - no eggs

Set line and return

White-plumed W. cat

(97)

Sun 5 July

Breakfast

♂ Banded on way to top hill

S. longicauda in N° 52.

another " " " N° 52

" " " ♂ in 3rd pit some way
and (medium size)

Back to camp to preserve on specimens for
gas analysis.

Then walk to end line & back

10.7 km. - Then change of habitat

open forest One juvenile - looks like adult

(*Stelma* birds)

Get line need calculate

12.4 White-bellied Cuckoo

14.4 Redstart & White-throated

16.1 Banded White-throated in Karaka Bush

- birds were feeding - no eggs.

nest here was recently

White-plumed H. birds

17.2 Stopped for a bird, found droppings
of *Macrotis lagotis* - and droppings
- phrynosoma needed. Late letter of L. L. L.
17.6 Gambel's Quail - down right.
46-1 Two birds of *Macrotis lagotis* L.
+ other quails

White-plumaged W. Lark.

Stop for dinner in bushy - 44.6 km.
Wagtails. yellow red. Lark was
dark downy under back. White of line on
ear coverts with black line preceding.
Uniform greyish above, of uniform pale
grey/yellow below. (brown line of ear
coverts), more yellow.
" " " " " " " " " " " "
" " " " " " " " " " " "
Feet in reddish foliage, hanging on leaves.

Phil saw *Delichon urbica* + birds in this area.

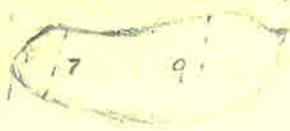
14.6 km. [2 *Lark* benton
from bullhouse [3 *Dyschirius* eldri
heaps.

Delichon
benton

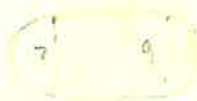
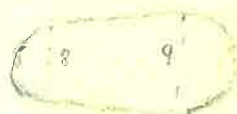
(99)

STOF
VIEW
19 mm

TOP
VIEW



measuring
head
shape



I took care a beautiful brown & yellow
orange & pink head shape & but they
degraded in color to be measured when
reared - This last small specimen of brown
color & head.

Retained 2 *L. longipinnis* from
Apr 53 & 54. (1 of 1914 with 1 of 1915
examined.)

(99)

SIDE
VIEW
18 mm

TOP
VIEW



increasingly
beak
shaped

16 mm



17 mm



3 Snails each a different brown & white
marked a fairly good margin & few
depressed at middle in the middle of
margin. But not small protrusion of
beak at same end.

Retained 2 *St. Agnes* *Immaculate*
days 52 & 53) at same rate in
collection.

Mon 6 JULY 81

Excuse

Clouds had rolled in overnight & cleared.

Clear sky here.

Just in valley - some grassy hills
over the road are Penstemon sp.

Low near top of road but one Penstemon
(hirsutus?) - 1st - by water.

Probably a
Wingani

A few Penstemon in valley.
by 1st by 2nd

One found 2nd + 4 up S. longicaulis

No. but more of Penstemon to road above

to road again (over hill top) - 1st up road

was found - age 82 - quite common - (1st
in valley). Also in mountain region.

(2) on plateau in Penstemon.

Pulled up all day then to morning.

Reached home & noticed in Penstemon

at last from Penstemon in Penstemon
for Penstemon - first - but no Penstemon

Det. about Penstemon at 5.30 p.
- to bed.

Mon 6 JULY 81

Breakfast.

Clouds had rolled in overnight. Overcast.

Clear days since

None in collection - *Sceloporus* *theraps*?

Some near top of plate. Last one *Sceloporus*

(*theraps*?) - 3' by 1 inch

Probably a Nigani

A few *Sceloporus* in rubble.

Top 32

And found 3 small + 4 eggs *S. longicauda*

No 2nd mound. For *Sceloporus* to reach edge

to some eggs (to be 4th top). 4 eggs

was found - top 32 - quite numerous in 1st

on plateau). Also one small *Sceloporus*

(?) on plateau in *Edwardsia*.

Puddled up all day since in morning

Puddled hole + rubble in *Edwardsia*

and a hole for 5' in 1' from being

as of *Sceloporus* but - no *Sceloporus*

Back in *Edwardsia* at 8.35 pm

- to bed.

(10)

Tues 7 July

Traces:

0.0 km

Traces long

Head for *Eleutherodactylus*

19.7 km

Scorpaenidae bones

Reds. Sect.

35 mm

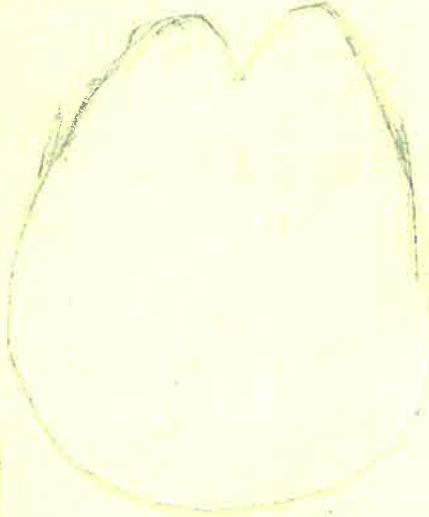


looking at shell
down it

burrows 45° in ground

45°

Traces could be *Eleutherodactylus*



240

190

(101)

THES 7 JULY

Tramphol.

0.0 km.

Tract Long

- Hunt for *Ptilocichla* *longicauda*

19.7 km *Scorpaenidae* *indica*

birds shot.

35 mm



- *Anton* *scorpaenae*
slightly

Scorpaenidae *indica* *longicauda*

45-1

to Allen Sanya



240

190

190 x 240

230 x 250

180 x 210

180 x 220

160 x 210

230 x 260

190 x 210

240 x 270



Spines suberect. H. approx.
 Brevities of ~~suberect~~ ^{lancea} - several ^{in line} ~~spines~~ ^{in line}
 13 mm from suberect nodes - no 19.2
 and are at the apex down the



All are 53 y of depth below the soil.

190 x 240

230 x 250

180 x 210

180 x 220

160 x 210

230 x 260

190 x 210

240 x 270



225



Spring debris H. asper
 Burrows of ~~figure~~ ^{termites} - most yellow spots
 1/3 mm diam without holes - no 12/13
 but 1/2 see 12/13 was down then

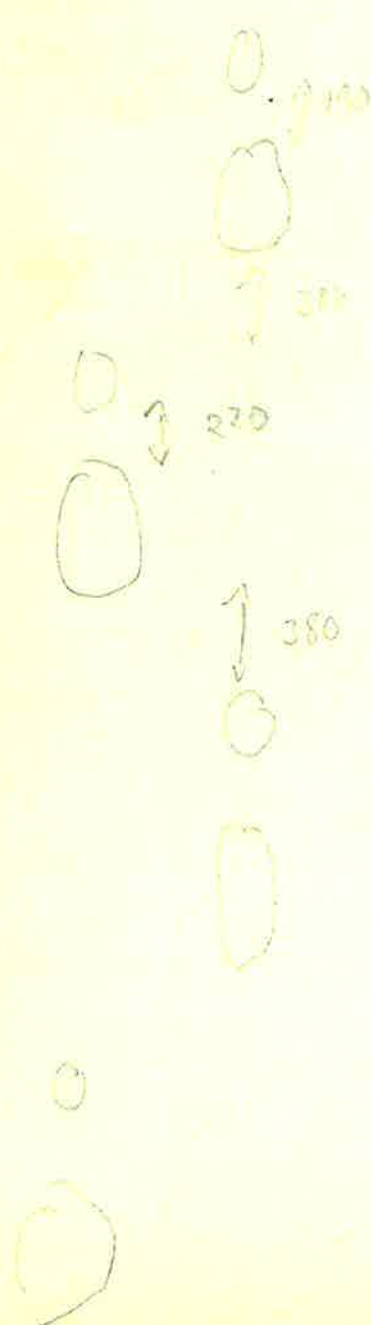


all go 50 x 1/2 degree burrows last week

103

One round - dip and flat - front flat

230 wide x 255 leg. ——— front end
180 x 190 leg. ——— front end

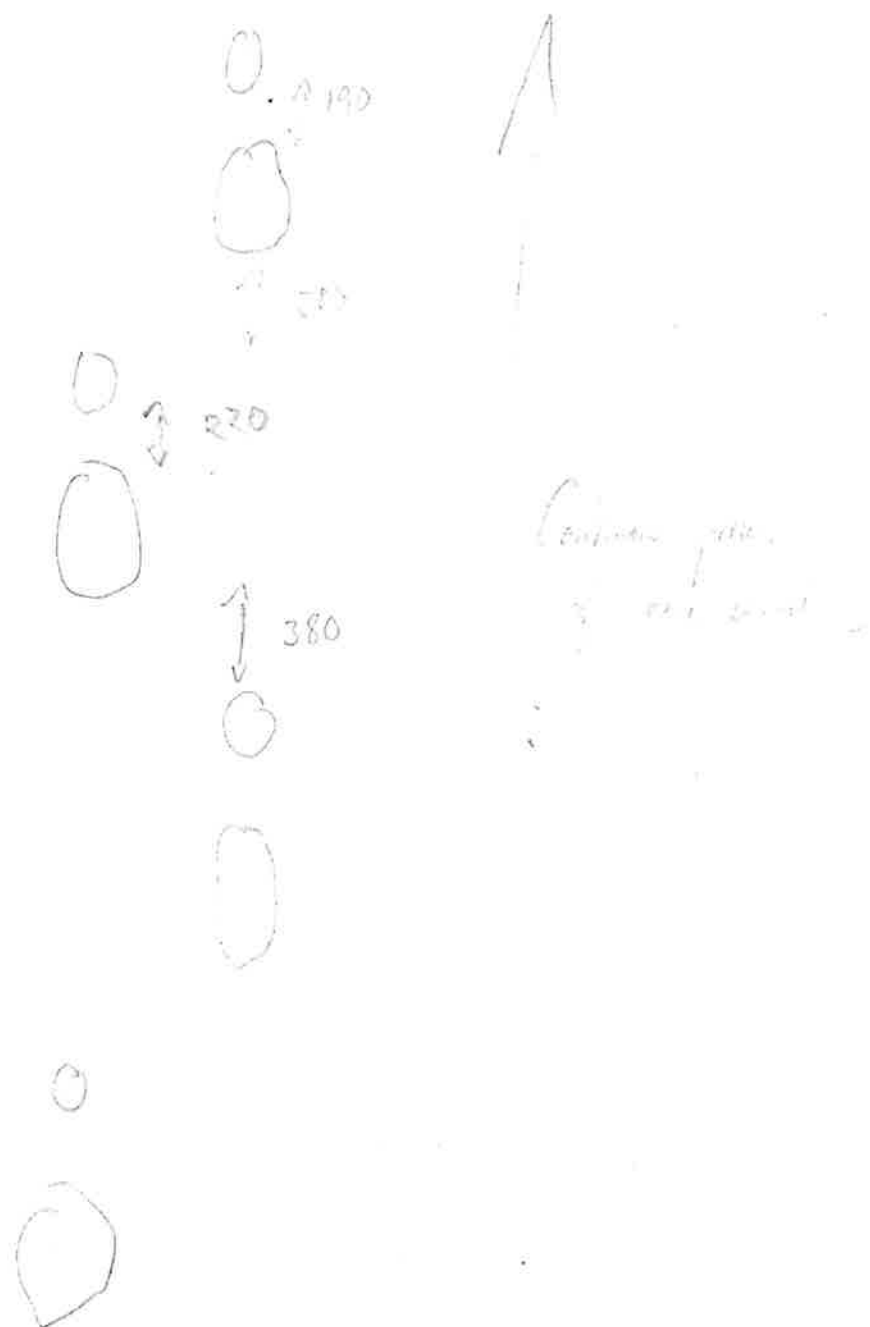


Condition plus
of the sand

(103)

One round - diff. just put, front + back

230 wide x 255 lg. — back front ?
180 x 190 lg. — front front



(104)

109 km - Parts of road

Carol - found first road the day
I was first entered, and found it

(104)

109 km - Back of land

Canal - from first house to bridge
Low low water and in front of house

Thurs

Lunch

460 km 13. Comet - see plate
Large pad of bark was 250 mm across

700.0 km — Lenses

Thurs

Lunch

460 km 13. Comet - sample
Large part of bulk was 250 mm across

700.0 km - Lemoore

10th May 81

Lake Mooging

0930 am

0.67 m.

Cory Duck heard

Willow Warbler.

Barn Swallow engaged with other.

Sparrow Hawk.

Meadow Lark.

28. June 81.

Warbler heard.

Sparrow Hawk.

1. June 81.

Found 0940

(107)

10th July 21

Lake Mooging — 08301

0.67 m.

Grey Duck heard

Willow Warbler.

Common also in the area of the lake.

Green and Yellow.

Robin also heard.

28 per cent.

Warbler heard.

Willow Warbler.

1 per cent. Shelduck.

End 0840

Lake Forrestdale Mon 13 JULY 81

~~1210 hrs~~ 1255 hrs.

1 Swamp Warbler

Depth 0.32 m

Water sample < 50 m from gauge

Thompson

0.43 m - 1330 hrs

Water sample < 50 m from gauge

Murray 24739

1530 hrs 0.18 m depth

Water sample at eastern gauge

Nine Mile Lake

1600 L.

Black Swan

Depth 0.80 m. slow sample at gauge

2 Swamphens seen.

Dalmatians overcast lake - cover approx 40%

28 Parrots

Ambr. Raven

Fin 1615 hrs.

Narvon 12632

1715 hrs 0.55 m.

Sample < 50 m from gauge

Lake Forrestdale Mon 13 JULY 81

~~1210 L~~ 1255 hrs.

1 Swamp Sparrow

Depth 0.32 m

Water sample < 50 m from gauge

Thompson

0.47 m - 1330 hrs

Water sample < 50 m from gauge

Murray 24739

1530 hrs 0.18 m depth

Water sample at offshore gauge

Nine Mile Lake

1600 L

Black Swan

Depth 0.95 m - Water sample at gauge

2 Swamphens seen

Disturbed overlying lake - covered by 40%

28 Perch

Amph. Reven

Fin 1615 hrs.

Narvey 12632

1715 hrs

0.55 m

Sample < 50 m from gauge

(109)

Tues 14 July 81

Turning Lake

Water sample at gauge (offshore)

Depth 0.37 m 0845 hr.

Total of 6 fish seen on lake.

Western Emeralds (largest sample)

Red-c. Robin 81

Skullcut.

Flame Duck

Wren (20)

Grass 0.14 m 0950 hr.

Water sample at gauge.

Whistler.

Scarlet Robin 81

Kuhns

1030 hr

✓

Water level 1.02 m

Urnage

Water level at station - 0.44 m

Water Sample at 2nd gauge - level 0.14 m

Sample taken.

(109)

Tues 14 July 81

Turning Lake

Water sample at gauge (offshore)

Depth 0.37 m 0845 hr.

Total of 6 Silt seen on lake.

Water Sampling (at station)

Lat - 49° 10' N

Longitude.

Depth 0.37 m

Time (4.0)

Gauge 0.14 m 0950 hr.

Water sample at gauge.

Weather.

Severe Rain.

Kulhays

1030 hr

✓

Lat 49° 02' N

Umays

Lat 49° 02' N

Water Sample at 2nd gauge - Lat 0.14 m.

Severe Rain.

Red Lake (Alga)

1205 hrs

Blue ...

0.19 m

Water sample near boat

Lake 14 mi

Lake Red Lake or Alga ... 0.11 m

1225 L. 0.02 m sample at range station

Poogmup

1305 hrs - 0.31 m

Tobit - Group

~~2.35~~ 2.35 m 1325 hrs

~~0.26~~ 1.26 km to turnoff to left

2.11 Fork - Lake left down

~~5.14~~ River

6.04 down gully and at edge of Swamp
and 40 paces

Bycamp

1.80 m 1400 hrs

Sample at range

Red Lake (May)

1205 hrs

Black Sea

0.19 m

Water sample near shore

Lake Mary

Lake Red Lake at Messtun - 0.11 m.

1225 L. 0.02 m sample at gauge (Bilston)

Roosburg

1305 hrs - 0.31 m.

Trotter - Group

~~2.35~~ 2.35 m

1325 L.

~~0.11~~ 1.26 km to turnoff to left.

2.11 Fork - take left down.

~~5.14~~ Keweenaw

6.84 from gate and at edge of Bygonia
2nd 3rd parcel

Bygonia

1.80 pm 1400 hrs.

Sample at parcel.

(11)

Yarrow 1505 m

0.49 m sample at 50 m from gage

Ulam 1555 m

DRY Lead hole 0.09 m

Two holes at same

Kilgus 1650 m

0.12 m sample at gage

✓ 3000 Dues

Assumed to be nearly G. Tech & E. Dues

Also some red & blue, B. Swan,

Sheldrake,

White Sea & good lead

Powell - 1810 m

0.56 m sample at gage

These Dues, Black D, Grey T, & Curved
Lead.

Gordon

0.95 m - 2.2 m

Sample at water gage

Angora

1.85 m

100 ft. G.

Sample

100 ft. G.

(11)

Yanaga 1500 hrs

0.49 m sample < 50 m long

Ukonaga 1555 hrs

DRY level bed level 0.09 m

Also noted E. larvae

KINAGAZU 1653 hrs

0.12 m sample at gauge

3000 Dm

Apparent to be mainly G. Ted & D. Dm

Also seen small & large, B. Swan,

Elkhorn

Also seen a good size

Powell - 1810 hrs

0.56 m sample at gauge

These Dm, Black D, Grey T, Greenish
Leard

Gardner

0955 hrs 2.24 m sample at gauge

Argonne 1.85 m 100 E hrs

Sample < 50 m from gauge

Black Dm

Mostis

~~Coastal~~ 1035

LBC

sample

4.49 m.

✓ 1 adj.

Present View

1.02

1135 hrs

sample

< 50 m from edge

Must Drive

2nd gauge needed

↑ 27157 - Adang

1200 hrs

0.76

sample at gauge

Must Drive head

Ship's gauge on other side

NOV 26 1955

0.82 m

sample at gauge

1250 hrs

Let's test level 1.01

from

White Lake

- 1315 hrs

0.20 m

sample at gauge

from

Let's test level 1.01

Mostes

~~Ground~~ 1035 hr.

LBC

, that blue

sample

= 52

4.49

m.

✓

1 adju.

Recent View

1.02

1135 hr.

sample

< 50 m

fringe.

Most Drier

2nd gauge needed.

↑ 27157 - Adong

1200 hrs.

0.76

sample

at gauge

Most Drier level.

Shops gauge on river side.

ALBANY 26395

0.82 m

sample

at gauge

1250 hrs.

Lake bed level

1.01 m

(station)

White Lake

-

1315 hrs.

0.20

m

sample

at gauge

(station)

Lake bed level

1.01

at station.

(173)

1000 ft.

Long, slender

Simple

1250 ft.

1000 ft.

0.4%

range of gauge

Steldmit

1500 ft.

1520 ft.

0.05

0.05 m.

Pottery - dry

Acc - 0.10

Varley - 0.08

Canal

0.30 m 1650 km

Steldmit

Anderson

1815 m 0.17 m

sample 2.50 m from surface sample

(173)

At a low level
I saw many
Serpent fossils.

Plumage 9.55 m
14.5 m 0.47 m
rough & good
Sheldrake

Greenwing 20.35 m
15.20 m 0.05 m
Low level 0.05 m

Polly-dog
Ace - 0.10
Vardj - 0.08

Camel
0.30 m 1650 km
Sheldrake.

Antelope
1815 km 0.17 m cap 2.50 m from
off-line gage

Woburn
2015 hrs. Dry. Lobe bed level 0.07 m.

Cynceip
0.17 m - sample at 2105 hrs.

0905 hrs. 2105 hrs.
Black Saver, Shallow, Red-C. Flower heads

Casuarina
0.36 sample at 2150 hrs.

2150 hrs.
Grey Teal Black & Reddish heads

Cornellcamp
0.20 sample at page
Teal level
2230 hrs.

Coblenze R.
100 + Shallow
1000 hrs. 1.31 m
sample < 50 m from page (approx.)

Dumblyce 0.17 m 1025 hrs.
sample < 50 m from page

Woburn

2015 hrs. Dry.

Lobe bed level 0.07 m.

Corynep

0.17 m

- seyle et effluve
gauge~~0905 hrs~~ 2105 hrs.

Black Swan, Shelduck, Red-c. Plover heard

Casuarina

0.36

seyle et effluve gauge

~~0905~~ 2150 hrs.

Grey Teal, White-b. Duck heard

Comelthorpe

0.20

seyle et gauge

Teal heard

2230 hrs.

Coblenz R.

100 + Shelduck

1000 hrs.

1.31 m

seyle < 50 m from gauge (effluve)

Dumblyear

0.17 m

1025 hrs.

seyle < 50 m from gauge

115

Grasshopper
1100 lbs 0.82 m depth 450 m for gage

Pearl
0.21 depth 450 m 1130 lbs
bottom plate made replacing

Flange
1200 L 0.17 m depth 450 m for gage

Washer
1200 L 0.44 m depth 450 m for gage

Quartermaster
1245 L 0.35 m
depth 450 m for gage

Minion
0.17 m 1215 L
depth 450 m for gage
long tail, slender, shallow

(115)

Gundery

1100 lbs

0.82 m

note sample < 50 for paper

Parley

0.21

sample 1130 lbs

bottom plate needs register?

Flange

0.17 -

sample < 50 m for paper

1200 L

Waller

0.48 m

sample < 50 m for paper

1200 L

Quercus

1245 L

0.35 m

sample < 50 m for paper

Micropia

0.17 m

sample < 50 m for paper
Long Tail, shoulder, bellows.

(116)

Murphy 1330 h.

Silver Lake, Red Sea, Stillwater

0.20 m

single = 50 m from gage

Marking

cc 1500 Teal.

1335 h.

Bonded Soil 0.13 m

Sample at gage

Greenish lead.

West Arthur 5/5

Dry 14.1 h.

16 JULY 81

2 Plates of exhibit.

Film 100 : 1+2

only 2 plates taken
with this film.

Dunder - dry at gage

Crossed 0.07

Powder 0.11

Condensing 0.15

Miller 2.40

Warden 0.63

Sink 1.98

Gate 1.10

Minneapolis 1330 hrs.

Silver Lake, West Side, Stillwater

0.20 m single at 50 m for offshore.

Marquette

cc 1500 Teel.

1335 hrs.

Banded Silt 0.13 m

Sample at gage

Greenish lead.

West Arthur 5/4/81

Dry 1415 hrs.

16 JULY 81

2 Plates of cutback.

Film 100 : 1+2

only 2 plates taken
with film.

Dunder - dry at gage

Crossed 0.07

Transverse 0.11

Conducting 0.15

Phyllite 0.70

Warden 0.43

Shank 1.98

Core 1.10

(117)

Noonying — 18 Jul 81
0.68 in. 1400 L.

Foggy Day - 1500 hrs.

Foggy base - many phits

Eleocharis - Maypi Gecor.
Typha.

Foggs Dam - 1500 lbs.

Pygmy Goose - many pairs

Kleocheris

Typha. - - - - - Magpie Goose.

Foot trip - 1030 hrs.

May 1900

Refuse barrels Wyebe

Yellow Lined Flycatcher?

Yellow Seedeater

Wt. Wren

Black Larks mostly

White Gnat - Sandpiper

Whitely Wren

Mallard

2 Greenlets on scrub

Tree Pt. - 1130

5 Cuckoos 8 G. Plover

2 White-throats

7 Starlings

2 Lesser Crested Tern

1 Crested

Foot trip - 1030 hrs.

May 1900

Refrain birds: Hawks

Yellow Lined Flycatcher

Yellow Siskin

Wt. Wren

Black Larks mostly

Wt. Grosbeak - Scattered

Whitely Wren

Mallard

2 Greenlets on southern

Tree Pt. - 1130

5 Cardinals 8 Gr. Phoebe

2 White-throats

7 Goldfinches

2 Lesser Crested Tern

1 Crow

Copied from
April 6, Term.

62 Red Cant.

Telescope — Carton Model 880

D = 60 mm

(20 x)

D ↔ 5 in.

Buffalo Creek

1425 hrs White bellied Cuckoo Shrike on nest (v. small)

at edge of river course — 5 in high.

Mayague Herron (grey)

Green Egret

Little Egret.

White-b. Sea Eagle

Black biters

Piddler Cuckoo.

Christmas Bird

Red-headed 4. color

Sacred K. fisher

Common

Common S. sp.

Caspian Tern
Gull-b. Tern.

62 Red Coast.

Telescope - Carton Model 880

D = 60 mm

(20 x)

D = 5 in.

Buffalo Creek:

1425 hr White bellied Cuckoo Shrike on nest (x. small)
at edge of river course - 5 in high.

Magnificent Heron (young)

Great Egret

Little Egret.

White-b. Sea Eagle.

Black-birds

Pied-b. Grebe.

Christmas Bird

Red-headed A. Cuckoo

Savannah K. Finch

Common C. Finch

Common S. Finch

123

Bar-shouldered Dove.
Mad. Starling
Hermit Crane.

123

Bar-shouldered Dove.
Mad. Skuas
Hermit Gulls.

(125)

SUN 1st Nov 81 : Eyre Bird Obs.

Queensland

Thea + Alan Lyman
Marion Stirling
Ray Schatty (Nephew of)

~~WA.~~

Joy Fleay

Joan Ramsay - SA.

Sheila Fawcett

Barbara Hale

Ros Denny

Patti Leighton - Muller.

John Brockson - Hingman.

11 Students

Greyhound Buses

to Peter Longue
Cocklebury.

50 or more size 10 bands

Two leaves tonight.

(129)

Matt
)

Tony + Mary Hertog

CSIRO

→ French Mont Eg 44

or Winnellie NT 5789

6 Amsterdam Circuit

Wagaman

NT

P 27 36 55

Home Address.

→ PO Box 38595

Winnellie

(129) Mail

Tony & Mary Hertog

CSIRO

→ French Mant By 44

or Winnellie NT 5789

6 Amsterdam Circuit

Wagaman

NT

P 27 36 55

Home Address.

→ PO Box 38595

Winnellie

Thurs 12 NOV 81

Dobadery Swamps 1255 hrs Depth 0.49 m.
Sample at gauge.

Beverly 1435 hrs. Depth 1.70 m.
Sample < 50 m from gauge.

Mears 1530 hrs Depth 1.00 m

Sample < 50 m from gauge.

Both plates of gauge need replacing.

Water running into lake quite strongly.

Nowellong : 1644 hrs

0.75 m deep. Sample at gauge

Bottom plate urgently requires replacement.

Yasdering : 1710 hrs.

1.94 m. Sample taken on west side
of swimming enclosure.

Brown : 1735 hrs.

1.46 m. Sample at shore opp. gauge (> 50 m)

White Lake 1750 hrs.

1.08 m. Second gauge should be

shown on map. Sample < 50 m from it.

Red Lake

0.04 m 1930 hrs. Sample at gauge.

Kondomin : 2100 hrs.

0.62 m Sample < 50 m from gauge

(131)

FR 13 Nov 81

Counter : 0700 hrs.

0.10 in angle of gaze

Crown : 0825 hr.

0.18 angle < 50 in from gaze

Varley 1000 hrs - DRY

Photos 32 + 33 of farm dam between Lake Varley
and Holt Rock. Dam had approx 9
Grey Teal on it. One was not quite
fledged. Another appeared to be a parent
bird. Remainder appeared only recently
fledged.

See! - these type of dams can
raise Teal.

Another dam just east of Holt Rock had
a similar group of Teal.

Hollows grow in trees nearby - perhaps that
all that is needed.

Rice : 1112 hrs.

< 0.02 No angle

0.02 at off-center gaze.

Pollung : 1220 hr.
 < 0.07 m (LBC) No sample

Dundas 33113 : 1630 hr
 dy at gauge LBC = 0.32 m
 dy at estimated < 0.24 m (probably in vicinity of 0.05 m)
 No sample taken.

ESPERANCE 27768 : 1736 hr
 Lake bed level 0.01 m DRY.
ESPERANCE 27985 : ~~1810~~ 1810 hr.
 Lake bed level 0.02 m. - DRY
ESPERANCE 32776 : 1915 hr.
 DRY.

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MULET : 0845 hr.
 0.53 m sample < 50 m from gauge.

WARDEN : 0915 hr
 0.66 m sample at gauge III

Lake bed level on Gauge II : 0.84 m.

SHARK : 0930 hrs
 2.29 m sample at gauge

GORE : 1010 hr.
 1.32 m sample at gauge

(133)

Zone contd. - hundreds of moulted
shellback nesting in mistle at lake
edge - counted flock of 40
Completely flightless.

↑ 26410 (PW 217) 1130 - 1140 hrs.
Plots 33-35 - DRY

Good lake for a gauge.
Entrance track adjacent to 4th peg from
North (6th from South) - in peg on west
side of ~~lake~~ road.

SKAPER : 1230 hrs

0.20 m - Sample < 50 m from gauge II

TEROSCHUTUP 1400 hrs

0.62 m Sample < 50 m from gauge II

CHERLOUP - TSD - pedlock

BRIDE 1845 hrs DRY

LCB - 0.01

KENYA 29020 - DRY

ALHAM 1950 L DRY

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Duckwing : 0815 hrs.

Depth : 0.70 m Depth ≤ 50 m
from gage -

Towhee : 0840 hrs

1.35 m at gage

Wedge-tail : 0907 hrs.

0.37 m single at gage

Tasmanian 0930 hrs.

Depth in center of wet area

LBC 0.08 Depth ≤ 0.08

Gage is probably too high. by 10-20 cm.

Barn : 0940 hrs

0.39 m. Depth at water edge.
(end of track)

White : 1005

0.05 m single at gage. II

Little White : 1025 hrs

0.81 m single at water edge.