

Finalized indexes, received
6/2/2014 and printed (+ saved
to CD)
on 17/2/2014
J.

Grant Pearson's Field Notebooks

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15/3/95 - 11/4/95
5400

15/3/95 - 11/4/95
Baltic

COLLINS NOTEBOOK
A6 144 page Faint

15-03-95
11-04-95

57

57

5400

15-03-95

11-0495

Home 8033380

White Border 03 238 0250 For 238 0205

Area 06 250 0200

Borny Baker 06 250 0346

Aust Bird Study Assoc 043 404 033

Call daily Thurs on at 1445

Sheet Times Met 0845 5270

1445 5270

Miss two sheets telephone from

Teedemya

Miss three They come looking

Goldfields Air Charter 090 930 116

Aero Club 090 930 005

John & Co. (Kempson) Teedemya 090 313 019

mech

1 Fox J

②

Jeremy Hogarth 220 2700 PH

03 626 1500

03 524 2348

Mobile

015 867 464

Monk Lark. Kingey - Wed PM 29/3

Host. to Lark 1m Kel 090 212 888

16 Mega 306 1642

③

Lake Ballard 15/3/95

0620 Departed PH with Santa.

0725 Kel Tripods left behind with reb

0805 Take off

0905 Land at Ballard 1st. out of 5.6 d. color. 500m

1 Pair 3rd 40 Secs Cop'n time

1:15 Cop'n time

1:15 Cop'n time

45 Secs Cop'n time

on completion male & female drop head & display then male prolongs feeding with head down pose

⑤ 1:30 Secs Cop'n time

Male in bulkier & a lighter smaller

Set on hill for about 1 hour & shaded color from 400 m. Helicopter out of sight about 300 adults on a low island 150 m x 80 m.

(4)

much Cop'n taking place on edge
of isd in water and at w/edge

1015 Walked to isd about 50 m from
Colony & observed
Cop'n in center of colony

3

(5)

Photos of Cop'n

Pairing

♀ head down

♀ leaning

♀ ♂ leaning

♂ on standing

♂ Cop'n

♂♀ fumbled head down

male no bond attempting → not
successful

Nest site investigation on adjacent
isd - 20 birds walked up beach
to isd & inspected

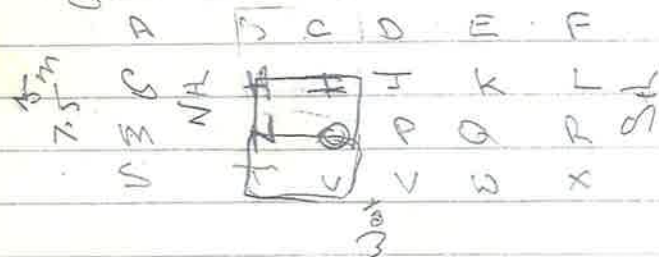
on a small isd adjacent to Col
about 10 nest sites abandoned & egg-eaten

6

15/3/95

Reeged colony. Started at 1303
 & completed by 1310

Grid 25m



20 minutes to grid

Packed gear at 1615 and departed
 Sea Island. Worked and packed gear
 into H/coffer

5

7

15/3/95 Ballard

41 x 28.6

19.95 x 15.0

1518 Birds look off

1534 completed work

1537 most had returned

marked 200 to 250 nests well
 1, 2 or 3 sw of W Peg.

Hatching Success
 mark all full clutches

Now best to measure hatching success
 must be in the quadrat area

1550 Birds moved off

1603 finished marking 2 Quadrats

1606 Most birds back at nest

⑧

15/3/95

Start up 1652

Take off 1656

Mary Reni Pilot Role
50k1 11m 15

010 Tracking

29 25 S

121 03 E

Took X roads from east

Took about 1km from edge

7

⑨

Need

Knee Pads

Tarp

Table

Tent

Water

1kg 30cm

Tapes

2.3 hours @ 1695

15/3/95

(10)

15/3/95

Costs 11/3 Baiting \$9.00
 12/3 Parking \$5.00
 Alcohol 3.00
 Gurne 1-40
 12/3 Lunch 6.50
 12/3 Drinks 6.00
 14/3 Pens & books \$38.00
 15/3 Parking 5.00

9

(11)

Thursday 16/3/95

Debra Linn

Dale Kickett

Frank Batini Proposal

Cancel flight

(12)

635
203
—
838

Drive to Kal + on to Mangies
Drive up to turnoff about 10 km N
to follow a fire ~~off~~ along Jeedanya
road.

Need

Drive to Kal
Fixed Wing Deuce both taken.

Call Andy re name of Jeedanya
owner

Chive is at Broome Friday
until May 2

Chive could come down in April
for 2 weeks

11

(13)

Bortee.

Bortee + Ballard.

Consider subsequent reuniting
after they have checked their
chicks

metal bands
Single Yellow ^{leg} Flag - Broome
R.B.B.S

leg flag material is Dorvik + made
up by DWSC. Chive shoes size 8

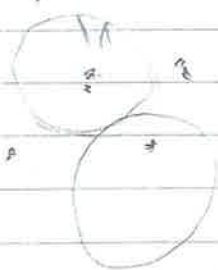
For to R.B.B.S for afford to use
leg flags. Say discussed with Chive
Dorvik Baker - Send in Jim name

FM 06 2500514

(14)

Flapping at tibia

Funnel trap over the nest

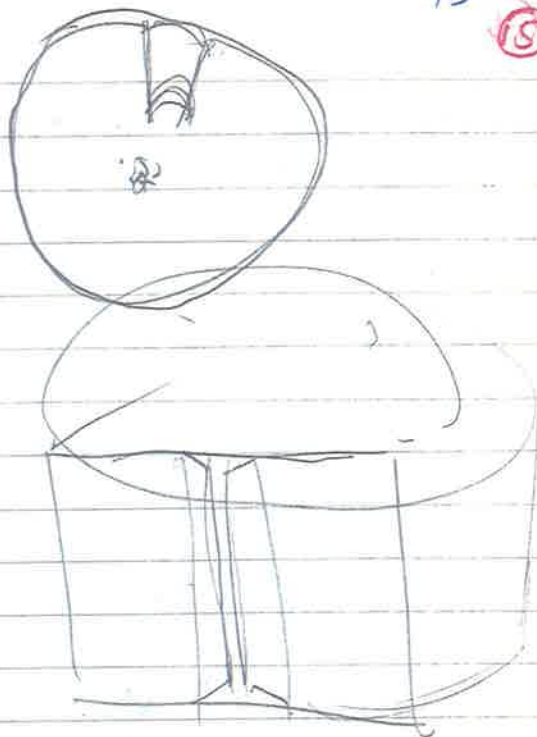


or

Noose - for catching by the foot

13

(15)



(16)

ABOs must not service has
color bands for adults

Tube of Solvent Cement for
the

Ring pot for (also) tube
of Solvent Cement Brown
Spies in 2 cardboard boxes of
bands on and stuff like capband

Send to KAL by Monday

20 leg bands of each color

500 leg bands + 500 flags
2 weeks time

15

(17)

20 Birds with color bands

Chieftain March 28

Flag material

Phone number Barker 03 288 0252 (w)
03803 3330 (H)

get vic leg flag team to make 500 leg flags Yellow
Vigilant Law press Barry Barker & get formal
approval for Yellow leg flags

Anco Canberra - in Anco office
explain to Barry - arrange letter
movements

Sort out when chart bands appear
know also to populates area very good
chance they will be reported.

Very High priority

(18)

Bird Study

Bird Marking

Webb Quality

Camping



17

(19)

HF Radio Portable

VHF Portable

Tape recorder

Tapes

Batteries

Hide 4 x 6 Poles + Hessian
1.8 x 1.5 m.

Tie Wire

Pegs

2x Telescope + tripod

2x Knee pads

Film 25 x 2 x 36

64 x 6 x 36

200 - 0 got 2.

Colored Stakes Red Blue Grey Green Wh
30cm + 60cm Stakes 20 of each

(20)

Depth Stake 12×6

Hammer

Felt Pens Lumada Variety of pens

Make a trap.

Ring Join at BSN

19

(21)

Camping

Jerry cans 2 water

Tarp + Poles.

Forerunner pick up

with or without radio

Outboard 5HP

oars

anchor

spare

1 tank

Electric

Invertebrate gear

(22)

Jerome get here as
quick as possible

Preferably
Drive to Kat. Tues Am
Fixed wing Tues Pm.

Andy to meet Jim at Hong
at 0930 with Hammer
Water bottles
Labels
Pens
10' Punt
15 HP
shores

21

(23)

Wed Am at ~~Tues~~ Jim flies 6:40
0730 Arrives
Book 1 way.

Check Helicopters at Kat.
Heli to ISD wed.

(24)

Wed.

Drive out call at Feedery &
Kathy Ferguson for directions

23

(25)

Camping gear
Survey
Rescue.

(26)

8 AM 198

25
(27)

Graffiti
Back Paks
Signs
T/A

(28)

21/3/95

David Layton

Rt leg

Belinda

J Dedman

LH leg 1 C Band

RH leg 1 C Band + Numb. Band

Belinda is sending bands in
my name direct to Kal.

Fixed Mark Bantel to Old use of
Yellow flags.

1600 Advised Chive

Send color flags to Kal.

C/- CBT

May have 100

27

(29)

23/3

Shoko

to Chive from home

(30)

24/3

Dropbox

Netting

Bird remains

Mice/catchers

Dolphin Bath

29

(31)

Plaza Arcade.
Nikon #601 or F50 35

35-80

959 with 35-80 zoom

723 with dake

864

860. 5 rolls

Film

Dake back

Nelthorn

25

1

950

1250

800

City Arcade

(32)

Duty Free. F 50.

34200

19000

5000

Line

1000

Romp

601. \$ 900

F

~~W/2~~ 601 28 x 200 1390
Tanner.

25/3/95

Trans 2.50 + 2.50

Inch 3.00 + 3.00

31

(33)

(34)

Labot 2 vols @ 500	1000
Spray books	716
Signs	300
Signs	200
Pump & motor	600
Buttons	5600
	<u>8416</u>
Root Pipes lining	1000
Skylights	1000
Shedding	200

33

5. 98088

(35)

lunch
 Sausages
 Cash cheque
 Cheque Book
 felt pens

11.11

✓ Toilet Paper	74	8.20
✓ Wood.		<u>620</u>
		592
✓ Gas.		<u>28</u>
		74
		<u>74</u>
		6442

Kel.
 milk
 Bread
 Water
 Radio details

092709433

(36)

Albion Hotel

Mark Langle

Cambell Miller

35

(37)

29/3/95

\$ 1.00

\$ 63 food

\$ 17 lunch & drinks

\$ 5 B'fast

\$ 3 drinks

\$ 3.00 phone skux to wife

\$ 1.00 Jeddanya skux

Room 56

B'fast 8.00

Meet Jim at Calm office
10-30 to 11-30

(38)

Look for
 Locs of Sooty Colons
 near vertical photos of Colons
 Size

Went on Island Sooty gull
 Has ring in each gull
 get location

30/3/75
 0630 to Goldchild's Wicket
 0720 Taxi
 0722 Home

1023 Land Mail

Radio Skeds 12:00 Daily
 enc W/E's

090 212677 Kal No

98337km 5'3.55" 114m. 79

650
 97687 From Pth

37

(39)

(40)

34 27 10
 115 40 49
 -19 m PL

Rocks

110 km from Kal Junction
 2 Big white Quartz
 Boulders. Rocks. Rocky lake
 on sandhill

39

(41)

31/3/95

At Ballard

OSCS Packed Packed up +
 loaded all gear into fence
 ferried across lake in edge of Bell
 by towing fence on cargo
 Took 5 punt loads to get gear
 across lake. then a by cargo
 Arge trailer is 12m too short
 had to cut section in.
 Ferried gear to island in 5
 punt loads.
 Then carried camp gear to
 top leaving some field gear
 at the bottom.
 Set up table + lamp at top of hill
 1200 Tried radio but unable
 to get Cal. So called Woodvale

(42)

and spoke to L.D. C. George?
Advised New Sked at 1445 hrs.
Tried at 1445 could not raise him
Contacted Woodcock again - advised
to tell White Church to Sked
1200 Sat & Sun.

1530 to the colony on boat.
Got to within 5m on edge of ice.
Birds just sat. most cop'd to her

41

(43)

Today

Carr Sked. 1200 - 1600

Try at 1200

Sun 1200 - 1600

44

43

45

1/4/95 Saturday

0910 installed Peg over
of ~~the~~ East end of Camp 100
as site ①

Top Salinity

Bottom Salinity

Tot P Tot Very hard to mix

Depth = 38

98 exposed.

Installed Data logger at 0940

1/4/95 # 39873 set at 100

6 hrs x 1 hour

(46)

1/4/95

Coot 4 eggs 49.9 x 35.0
cool not incubating

① Coot 6 eggs 51.5 36.8
cool

② Coot 3 eggs not inc

③

Pine Crest Dwr 6 eggs incubating

47.7 x 34.7

48.4 34.2

46.5 34.0

orange life on Meldeuse
how Mel. *perchellus*? 20cm-30
above water

Marked 3 eggs with 1

1/4/95

45

(47)

PeaD 5 eggs incubating

④ 49.2 36.2

④ 48.1 36.4

48.6 36.4

Ti tree orange life

Marked 3 eggs 2

⑤ Coot 8 eggs not inc.

⑥ PeaD (definite)

abandoned - Down - but no

eggs no fragments. Cold.

25 cm above water - 1 stage

⑦ Coot 5 eggs not inc

⑧ Coot 6 eggs

⑨ PeaD? No eggs down but no shreds

(48)

1/4/95

10 Coot Beggs

Big lake South end of lake

Depth 77 cm

exposed 54 cm.

1200

Sked with Woodcock No
response. Self called +
got a flicker + Tong
response

Photo of site, looking South

1350

1/4/95

Ballard

Site 1

Reg at Site 41 dead
101 exposed
(windy)

Sweep 1. 110 m net.

41 cm deep Due Sth of Reg for 100

Pass. (50 m)

Sweep 2 Due South of Reg from end
of Sweep 1. to 60 Pass.

Sweep 3 Due east of Reg and around
to north to 60 Pass

47

(49)

(50)

11/4/95

Lake 1

Site 1 on South Side of Lake

1 on track.

Swamp 1 East of Peg

2 East of 1

3 West of Peg

Depth 50 - 70 cm

Total P 10 cm depth (surface)

Solubility

Position of Camp

29 28 48 S

121 02 15 E

PA Ballard after calibration

Wanna at 7.01 + 10.01.

7.75

Lake 1 Crossover Lake

pH 8.24

Capital Equip

4791999

49

(51)

(52)

Swamps

Collect

w/ sample from today's

Salinity

To + F to only

PH

3 Swamps

53

(53)

Vegetation

Samples

1/4/95

Lake Ballard

Stilt Isd

Collected 3/3/95

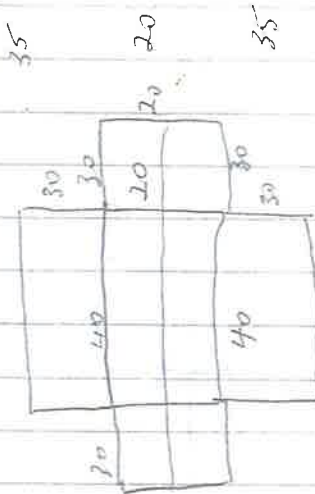
low samphire + succulents some
fr with new growth from recent rain
growing along top of island in centre

from centre of stilt colony

54

53

10 x 80



(56)

2/4/95

Water level. ~ 161 mm from

bottom of rd to top of 0807



TAHOE!!

Lk. Ballard

South side Camp 15d
depth marker

55

(57)

Sweep

Gut

Bird

Depth

Water sample 1st Bird 5th & last Bird

Salinity

Total P.

(58)

2/4/95

0910 To SE part of lake
where numerous birds observed
feeding. Collected #9 on tip
of island

29 30 09 S
121 03 42 E

0940

BAST #1 Completely bon front ♀

wt 197 gms

WL 186 mm

TH 96.7 mm

Oes empty

Gizz left

Prothides 5.10 mm long

4.38 next

♀

57

(59)

BAST #2 ♂

wt 257 gms

WL 192 mm

TH 107.9 mm

Oes empty

Gizz left

Male testis 21.18

② 16.8

BAST #3 ♂

wt 253 gms

WL 200 mm

TH 107.5 mm

Oes empty

Gizz left

Testis 18.48

12.30

(60)

BAST # 4

♂

WT 230 gms

WL 194 mm

TH 105.6

Oes empty

✓ 233 kept

✗ Testes 17.3

15.3

Bast # 5

♀

WT 239 gms

WL 194 mm

TH 105.4

Oes Parvatermia (kept)

✓ 933 kept

✓ Colicid 4.62

Bird collected while feeding

59

(61)

in a group of 50 or pairs of birds in shallow water. Main group in feeding & preening

Bast # 6

♂

WT 279

Wing 218

TH 115.3

Oes back filled with *Parvatermia*
gi) *Parvatermia* present (kept)

Testes 20.02 mm

15.80

1120 Shot separately while feeding in a group of feeding birds on the point. Unlikely that volume of food collected in time available than 40 min

(62)

Shot 1140 Separately

BAST # 7

wt 285

WL 209

TH 111

oes Paratuberculosis

giz "

Testes ① 25.4

② 17.1

Shot in first group

BAST # 8

wt 259 gm

WL 203 mm

TH 109.1

Testes ① 25.1

② 18.9

oes Kept Contender

giz Kept

61

(63)

Shot in first group

BAST # 9

wt 225

WL 206

TH 110.8

oes

giz

Testes 1 16.5

2 -

Collected Solemity

Tot

Depth = 10cm

(Site 1)
probably

(64)

Site 2

2/4/95

1310

BAST # 10

♂

Debbing at food on surface

wt 250 gms

WL 202

TH 110.9

Testes ① 16.7

② 12.1

✓ oes Back filled with *P. peruvianus*
✓ 9/3 left

Indestructible BB 40%

Sweep

Solvents

107 P

Depth 29 cm

Location 400 m NW

of Site 1 2/4/95

Bird swimming with 10 others & pecking at water

63

(65)

2/4/95

1351

Site 3

♂

BAST # 11

WL 204

wt 270

TH 109.8

Testes 1 23.3

2 22.5

✓ 9/33
✓ oes Back filled *P. peruvianus*
bird pecking on swimming with 5
others

Depth 49 cm

Loc 200 m NE of Island

South of Camp

Camp is 32.5° from site

29 30 08

121 03 41

(66)

2/4/95

1420

29

30

08

121

03

41

Pair feeding (pecking at surface) water

Swimming with 6 other pairs

Collected 1.

♀

BAST # 12

wt 258 gm

WL 201

TH 104.6

4.9 mm

3 follicles collapsed

3 eggs?

Depth 510m

✓ Oes

✓ gis

✓ follicles

65

(67)

Call Jim 0900 Thurs
on HF

+ 1200

Buy Jerry can water

Buy Veronju 097 524586

1200 sked Mon

521677

239 2399

18858 239 2204
Back N° 85881

(68)

28.1 Camp Head Nth
 29.6 Tank Pond Yds
 31.1 T Jock gate west side

Town Rt (East)

34.8 T Hills Tank

36.8 T Jan Turn Rt

Pile of wood along wash
 out

37.1 T turn left to
 Broken Pipe

37.6 Y Road in for left
 take on return

38.4 Hill tank

39.0 Nissan Hat Box

41.6 gate

48.2 gate

50.2 Black tank

53.3 gate 56.0 end

67

(69)

Lowland Gorge Some 097 555467
 Nicolls

Swim

into

pool

Book Flight \$184 8/4/95

QF 937 8/4 0755 0905

HBJHT Check Dunlop tyres

Buy Air pump

Hatching started 2 days

ago - Yesterday

3 rolls 100 x 36 EKTACHROME

Bring 3 empty egg containers

Drinking water

0830.

Lunch Meat

Aerial via Menzies

(70)

Work & Comm in Path Sunday

for details for Work to depart
Sun

June

69

Kel. 090 212677

(71)

Chie to depart Fri AM

Arrive Jeedanya Sat

I will meet Jim Sat AM
at airport 0615 7.20

Jim departs 07.55

Chie & I band bands
until Monday & depart Tues

Ian Healey to get bands to
Jeedanya.
+

2x Jinyan Wabir

3 Bands etika Chane 100 134 36

hundreds Warat.

Period Friday PM. → Kel

(72)

400

6700

6300

2000

440 Volt
Auto Cutout of over-heats
\$400

Timer +
Solenoids

Gerni 350 3/4hp 2895
inc. cutout 495

2400

+ ~~40~~

Chick C4 intercomp

2495
400

2895
595 2300

71

(73)

Leave 5pm
Leave 6pm

Get Redox probe to
Peter Dorch and get him
to calibrate

Path Scientific
Peter Dorch 245 1930 \$184

Path Spray Center

Capital 4791999

Water
fuel
Rodio

(74)

7/4/95

Forerunner

Picked up 62 kms.

Traveller 168

230 on deck

Cans & Coke.

Tona.

Sausages

73

(75)

8/4/95

0700

0120 Turn to Dunfor

1100 One at Teedanya

1400 Pick up Cam

93805 Lat. Refd. \$61.25

(76)

8/4/95

Hatching of the main pegged
area had completed by Friday

75

(77)

9/4/95 Sunday

0600 Colony very still. Weather cool,
overcast. Easterly breeze - long period of
rain 8/4/95 (Sat)

observed that birds for 15 mins. Then
set up again. Hatched chicks getting fatter
as they move about in the colony

Numbers broods on black to 12K

Ready with adults in shallow

Usually 1 Ad with 1, 2, or sometimes 3 chicks

Ad.

1

2

3

4

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

78

9/4

Ad. 1 2 3 4

1

1

1

1

1

1

1

1

1

1

1

1

12

2

22

17

39

6

18

12

3

28 -

Walking over an island to N of rocky beach edge.

77

79

9/4

Ad - 1 2 3 4

1

1

1

1

[illegible]

1. *Journal of the American Medical Association*, 1997; 277: 1039-1043.

1

19 2 1 1

37

79

$$25 \text{ ml} = 90 + 5 + 6$$
$$30 \text{ m} = 20 \text{ m}$$

2000 1546 1000

(5) 16

16

5 female:

22

4 x

81

Keep O2s as possible

keep
Noble 9122 10 20

Ad 2.55 in 7.1

50 100 150 200 250 300 350 400 450 500 550 600 650 700 750 800 850 900 950 1000

Talent

1044 2

Sweet 3

$$20 \times 250$$

Sample Size $\times 2$

Sol: $\text{HCl} \sim \text{NaOH}$ (200) (2) ✓

Totf Totf (200) (1) ✓

PH in Zellen

5. 3 (250) (3) ✓

250 23

20

200

(82)

9/4/95

Site 1 Ballbird

Depth 35

0930

Exposed 105

pH 6.98 inside

Salinity Top + bottom

Sweep 1 1-50 Due Sth

2 50-100 Due Sth

3 1-25 -1 Due East

Visit Island

Take water samples

Take position

Measure depth

8/83

1000

Discussed option with Dave

+ make sorted gear

1130

Radio sleds

1220

Levit

1300

To colony. photos + inspect

site for numbered eggs. Chm

Crawled through nests without any

flyoffs. Weather cool, clear, breeze

1530

Mark set up boom + filmed

1600

Packed gear + helped Mark to
maneuver

(84)

10/4/95

0700 Observed colony in very heavy rain. 19 Adults feeding and bathing at water edge. No sign of chicks. Could not observe chicks on island thru rain.

0720 Rain lessened. B'fast observed Adults sheltering young on NE point of island NW of camp. 1 Adult took 2 young due east in the rain. Adult fed but young did not appear to.

1 chick + 1 Adult at NE tip of same point. Ad fed. Chick swam. 1 Ad with 2 chicks protecting them from the rain with outstretched wings. 4 Ads brooding young on edge of island. 3 Ads feeding no young.

83

(85)

1 young being encouraged by an ad in a group of 5. Ad wanted to brood it. Would not respond when off 4-6 m to parent brooding sibling? + nested in

0810

At Colony N° of Adults feeding + bathing at edge now 41. Colony sitting tight. Occasional ad brooding young above water line.

At NW NE of Col. 1 Ad + 1 chick

foraging. Ad. feeding with 1 chick pecking. Running pecking running then male adult. Ad reluctantly stopped feeding to brood.

1 Ad 2 chicks feeding. Chicks running pecking. bending down pause peck ^{ie} foraging.

Chick agrees they are feeding. Adults behaving like threat by running from side to side with head $\frac{1}{2}$ depressed.

86

10/14/95

Possible that brine shrimp have been
blown into the bay & the Ad's can
catch large vols

Ad + 4 pecking along edge walking
& picking up food along edge. ♀ is
keeping other birds away

Chick walking on dry land looking
for insects? But not getting any.

Then walks to water edge & immediately
begins pecking more successfully.

With slight respite in rain chicks
come out to try & feed.

1 male Ad. trying to copulate ♀ not
interested. - in group previously described

87

10/14/95

0840 Two Wilsons flying west past
colony.
2 hawk over camp

0915 Ad + 2 Ad + 3 Ad + 2

all feeding along edge in front of
camp (Nth) between camp & island.

Adults walk along pecking & many follow
pecking & foraging. Still raining (light)
Young: ran to adult to warm off

1 + 2 ch. ch. swimming. Skipped around
& pecked

(88)

10/4/95

eggs 3 Ad. 6 chicks
walking feeding brooding in
a group in fl inlet

Collected family group #1
chick 1.1 wt ²³ gms
Yolk sac evident Bill 22.4
oes empty gizz plant item Pass
insect parts. Tested with flag and #6
both ok. Estimate age at 1-2 days.
1.2 wt 23.5 gms
Bill 22.86

Yolk sac evident

Oes empty

gizz quantity of food like vegtn?
Preserved with Oes

Banded with OBA 74203 on Rt leg
Yellow flag left leg

87

(89)

10/4/95

Ballard.

#103 Wt 23.4
Bill 23.6

Yolk sac less evident

Oes empty

gizz considerable particles

Adult BAST. gizz contents

1.0 Wt 21.0

Bill 74.0

T/Head 110.6

Rt Teste length 16.05 Left Teste destroyed.

Wing molt 5.10

Pronounced brood patches under each wing
Bird was walking along edge of lake
in front of camp N side pecking + dabbling
3 chicks behind pecking. Flushed into
deep water shot in 25 cm deep water
Sweep sample along edge. Use Site Sample #1
for water quality

(90)

Fuel 3 JEs + oil tank
Food

Contact Kal. for volunteer
Suitable temperament.

Borrow raincoat from Jeddang
Call. WPC.

Muesli
matches.

3 tin Beef Steak
Pkt Beans

2 Tin Condensed Milk Noodles

213

0920

Sked WPC

89
(91)

11/4/95

Site #1 Ballard Camp/1st

Depth 0 43 depth 43cm

97 exposed 97 exposed

3x Sweeps ✓

Tot P ✓

Sal. Top ✓ Bottom ✓

10/4/97

PH 6.74

1.2 oes empty gizz ^{oes} left

1.1 oes v gizz left

1.0 oes

1.0 gizz

Rec'd Notes made 31/7/97

92

11/4/95

Family 2 Not seen feeding

Ad + 4 chicks

D = 56 cm

pH 6.75

400 m West Col 1

Not seen feeding at time of
shooting. Oliver claims everything
adults + chicks were feeding

Chick 21 wt 26.3 gms

egg loc 13.2

Oes not attached to oes wall
just behind bill in throat
Brenda sharp
left

9/10 full.

91 93

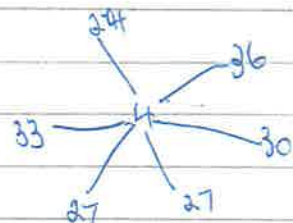
Bellard
Colony 2

14, 13.5, 14, 15, 14, 14, 14, 14.5,
14, 14.5, 15, 14.5, 14.5, 14.5, 14

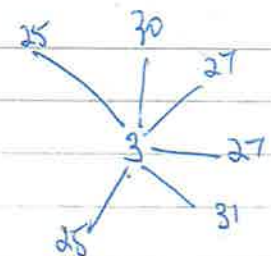
Distance between CC

Dist A(2) 28 25 30 25, 34
centre to centre

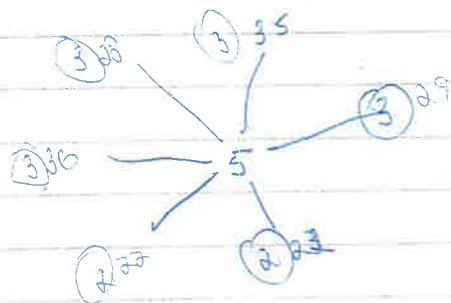
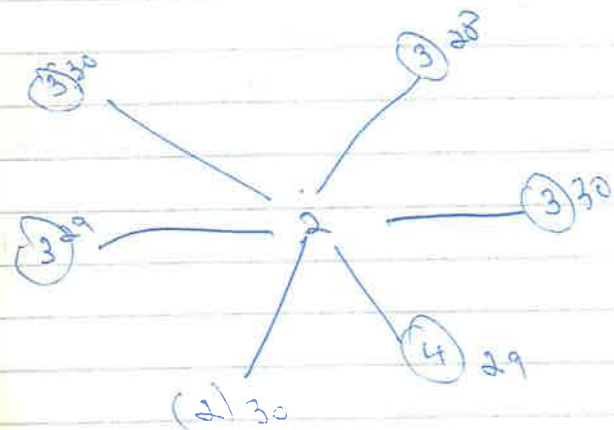
Clutch 4



Clutch 3

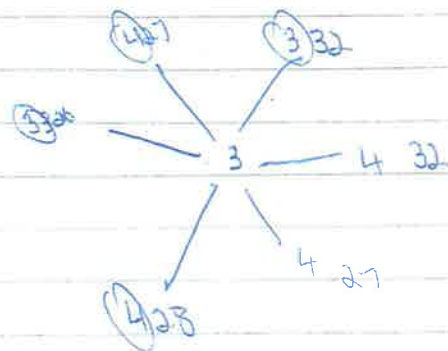


94



93

95



Collected plants low heath
 Small d/greenish plant w/ flowers
 Island to 100 m x 35 eggshells

(9.6)

Family 3

Depth 51 cm

Ad + 3 Not seen

$\frac{1}{3}$ way Col 2 + 2nd rid

8-1 oes brine shrimp lots

giz kept egg sac 9.5 small.

3-2 oes Ants

giz kept

egg sac small.

3-3 oes Platyhelminths

giz kept

egg sac small.

3-0 Ad ult Bass ♂ testes 15.7

oes antemias etc

giz kept

Family 4

Depth 51 cm

Ad wt 245

4-1 Yolk sac small.

oes kept antemias

giz kept

4-2 Yolk sac large (medium)

oes empty

giz kept

4-3 oes kept

giz kept

4-0 Ad. ♂

Testes 25.0 mm

oes empty

giz kept

95

(97)

(98)

Family 5

collected with 4

$\frac{1}{2}$ way Cal 2 & 2nd 15d

5.1 oes empty
gis kept
egg sac small

5.2 oes kept
gis kept
egg sac small

5.3 oes kept
gis kept
egg sac 1/2 small

5.4
→ tail 17.3
oes kept
gis kept

97

(99)

(100)

Broad sizes seen on
1500 All with

#	Ad.	Chicks	Chicks
1	2	3	3
	2	2	4
		2	3
		2	3
		2	3
		1	4
		3	2
		3	1
		3	2
		2	2
		3	3
		3	2
		1	2
		<u>2</u>	<u>34</u>
		32	

water 1-3 km west of colony 1
only 1 parent

3	2	4	2 ³ / ₈
3	2	4	81/194
3	2	2	162
3	2	4	<u>32</u>
3	1	3	
1	3	3	1 x 9
2	1	3	2 x 37
2	2	3	3 x 29
2	3	1	4 x 6
2	2	2	
2	2	2	
2	2	2	
2	2	3	
2	2	3	
2	2	1	
4	2	3	
3	1	2	
<u>1</u>	<u>3</u>	<u>3</u>	81/194
42	38	48	

(101)

2.1 Previous Page

(102)

11/14/95

Family 2.

Adult

♀

Ovary kept
giz kept
oes empty

Chick 2.2

egg sac. Same as other but damaged

Bird was killed with shot as was

the siblings except 1 which lived

for about 5 minutes

Chick 2.3

egg sac 15 mm

oes had flying ants + giz

had same.

Chick 2.4

egg sac present (same)

oes kept

giz kept

101

(103)

leg bands at Bolland 11/4/95

081 - 95

011 - 050

051 - 100

101 - 150

151 - 200

201 - 250

251 - 300

301 - 350

351 - 400

401 - 450

451 - 500

(104)

Brood sizes leaving colony

1000 9/4/95

1 - 0

2 - 23

3 - 24

4 - 11

5 - 2

60 total brood

90% accompanied by 1
adult -

recoded within 50 m of
colony

110x legs Chim Pomer
150 of 250 marked

found with a 1 on it

1 4 eggs 3 chipped

(105)

103

(105)

3 nests 2 cold eggs + shells

4 nests 1 cold egg + shells

all the rest had hatched

or if added left it wasn't
marked with a 1

(2)

3 eggs 2 chipped + 2 chicks

3 nests 1 egg left lots of shells

1 3 eggs + 1 4 egg both cold
chick marked then

(3)

1 egg + 1 chick

(4)

1 marked 4 only egg left lots
of shells no nest had hatched

(106)

1 4 eggs 3 chicks
Laid on 13
Hatching 9/4
i.e. 23 days inc

2 3 eggs 2 chicks
Incubated 18/3
Hatching on 9/4
23 days

Median to 3 & 4 is Friday
Mark says should hatch
6/4 finished 8/4
22 Days.

105

(107)

Clive will call at
1200 ch 6 5270
1445 ch 6 5270

Fridge
Food Box
Nelly Bins 3

Get for Clive
Gas Bottle
Radio

To Pimliss

- ✓ Bands
- ✓ Radio
- ✓ Wind
- ✓ outboard.
- ✓ Ammo bags.

12' Punt to tracks

(108)

Swat + od for gen.

12/4

Chin Cell at 1200

2.45

Don't control by 1000

13/4

Cell 1200.

107

(109)

12/4

42 cm

Deef at

Dakelogs

Crossed lake

87 Deef

41 exposed

2 MAND

Gyhl

2

near lake

2, 2

ReaD

4.2

Coat

2.6

Wlten

4

MUSD

Coat

5 eggs

ReaD

no 2

5 eggs inc

(110)

0715

00

left

2.6

Torn ~~at~~ gale

5.9

Two Hills tank

10.0

mill tank

Drive over hill

12.5

gale

gale

7.51

21.2

Black dirt ^{ok} + River
xmg

Run back

24.3

gale

0800

26.6

Jedanya

0830

Mangies

0840

~~some~~ ~~at~~

1010

left Kab abn fullig

15 min

Truck stop

Radio sked

50 mm
10 ft
7.0

(111)

109

630

6^h
7^h

8/4/95

98805

Kel

12/4/95

99352

Refused Kel

KR 156

chicks

22 - 38 gm

eggs

30 - 44

(112)

0600 Blast hood &
depart Ballant
0800 Seedling
0950 Skel Kel alk
on Saxo

1200 Skel Clin all
ok. good wks of
chicks & eggs.

1550 Roe Wey

1621 W. Hoo.
99971

(113)

SN Kew 3340C/A
DK-9560

SN 7531135
Model 3340C
Type P436K
13.5P/m
180 Bar
160 Bar
10 Bar

Safety Cream 150
Safety glasses

Dalton Rodan

114

Nail Gibson 3824193

139 Herbert St Pl

115