

Croxley

LI-FLAT

SCHOOL

**note book**

Little Shag Colony  
- Hobson Bay

③

NAME

SCHOOL

Dr and Mrs M. J. TAYLOR  
28 Awarua Crescent  
Orakei  
Auckland 5

A John Dickinson Product

W/ front Nest 10-10-78  
4 pm

7W

- 1, 2, 3 — sit
4. F/P rep. by W/T which fed chick(s) (ca. 1 w/ 2 s/d)
- 5, 6 — sit
7. F/P on small platform

7C

1. — sit

7E (RE)

- P1, P2 — sit

- 1, 2, 3 — sit

7E (RE) P6 — on

- 1, 2 — sit

3. Sun. sit

4. W/T sit

5. F/P pres. (W/T near)

- 6, 7, 8 — sit

9. W/T & W/T on

10. W/T on plat. W/T on. egg

W/T was bent over. W/T mounted & folding on to back of neck. Copulation

7E (Hi)

- 1, 2 — sit

3. W/T sit

4. — sit

5. W/T rep. by F/P?

6. F/P + F/P on

7. W/T on joined by W/T?

8. F/P pres. W/T on. egg.

9. F/P on. New nest incl. green leaves

10. W/T on platform

11. —

Note: Egg shell below 7E.

7E (Lo)

- P1 — sit

- 1, 2, 3, 4 — sit

- P2 — sit

- 5 — sit

- 7<sup>+</sup> — W/T on

- 8 — sit

9. F/P + F/P pres. One left & W/T with twig.

10. — sit

11. W/T pres. P3. ?

14-10-78

Pukoi — 1 L. Shag, dark  
with slight white patch on  
throat & yellow bill

W/ front Hotel 15-10-78  
10:30 am

7W

1 — 6. all sitting  
7. small platform unacc.

7C

1. sit

7E (RC)

P4, P5 sit

1, 2 — probably sit

3 — sit

7E (RL) P6. — sit

1-4. sit

5. W/T pres.

6, 7. sit

8. } One on (9)

9. } other nest (8) missing

10: W/T present

Note: state of 8, 9, 10  
suggests wind damage <sup>newly</sup> to these  
during blow on 11-12/10.

7E (Hi)

1, 2, 3, 4 — sit

5 W/T on

6, 7 — sit

⑧ — W/T on

P7 — sit

9 — sit

10 — sit

7E (Lo)

P1, P2, P3 on or sit

1-5. sit

7-8. sit

9: F/P joined by F/P direct  
pres. sit

10. — sit

11: — No birds.

W'front M. Stel 20-10-78 3pm

There had been fierce winds during the night which freshened again during the afternoon and the trees were being violently buffeted. Remaining nests were riding the storm but others had disappeared, or were reduced to remnants. One strong gust caused Pied shags to leave nests P2 + P3.

A few egg fragments below

7W occ

1-6. all sit.  
(7). fragment remaining

7C

1. sit.

7

7E (L)

P4, P5 — sit

1, 2. — sit

3. unocc.

2

7E (R)

P6 Remnant

1, 2, 3, 4. sit

5. X

6, 7. sit

8. X

9. Remnant

6

7E (Hi)

1. sit

2. unocc.

3, 4. sit

5, 6 Remnants

7. unocc.

8. Remnant

9. sit

10. Remnant

P7. sit

4

P. Shag  
occ. nests

7E (Lo)

1. Sm. an. & fed 2 chicks
- 2, 3. sit
4. Remnant
5. sit
- 7, 8. sit
9. x
10. x No trace
11. x
- P1 sit
- P2. Flew off in strong gust
- P3. " " " " "

R. Shag occ. nests 25  
 unocc remnants 10

P. Shag nests 7

W/ front Motel 23.10.78 6 pm.

7W

1. 2 chicks h.s. near
2. sit
3. sit
4. sit on chicks
5. 2 lge dk chicks. one has white wings flashes
6. 2 small chicks h.s. alongside
7. x Tiny remnant

7C

1. Sm. sit. later w/ sit.

7E (R)

- P4 on
- P5 on
1. F/P sit
2. Remnant
3. unocc.

7E (RE)

P6. Sun. h. shag on (!)

1. Remnant

2. sit

3. \* L.Sun <sup>F/P</sup> sit rep. by W/T

4. W/T sit

6. F/P sit

7. F/P sit

5

8, 9, 10 No trace remain.

7E (Hi)

1. sit

2. unocc.

3. sit

4. sit

5. Remnant. W/T on.

6. " " L.S on

7. " " L.S on

8. W/T + F/P pres.

9. unocc.

310. ~~Remnant~~ F/P no.

P7. P.S. no.

7E (Lo)

P1. PS + PS on

1. chicks

2. on

3. on + L.S no.

4. F/P on + remnant

P2 PS + PS on

5. F/P + L.Sun on

8

7. sit

8. sit

P3 PS on

9. F/P pres.

10. No trace

6

11. x

L. Shag occ. nests 22  
(incl. 3 in 7E(Lo)) which  
have birds on, but not  
sitting i.e. 2, 3 + 5)

Hence no. which weathered  
the storm = 19. (with chicks  
or sitting birds)

The remaining 16 are reduced  
to unocc. or remains, which may be  
recc.

Wolfront Hotel 25-10-78 5 pm

7W

1. 2 chicks + L.S. nr
2. sit
- 3\* sit
4. 2 large dk chicks
5. 2 chicks + L.S. nr
6. 2 small chicks, beg to W/T

~~7E~~

7E

1. sit.

7E (alt)

PA PS on

PS DS + PS on

1. 2 chicks fed by F/P; W/T nr
- 2\* W/T on; making "till" display & calling each time  
No other kind nr.

(3\*) sit; F/P nr.

7E (alt)

P6 alt. L. Shaps F/P + F/P on

1. L.S. + L.S. on; one engaged in tail pulling of the other.  
Both are pied with some black smudges on head - more in one case than the other:  
ie. Sw + L/Sw.

2/ sit

3/ Sw (or F/P) sit

4/ W/T sit

5/ W/T nr; F/P nr but don't look like a pair.

6. 2 chicks + F/P alongside

7. F/P sit

8\* New plat. W/T + W/T (or F/P)

9\* " " W/T on on  
+ W/T on & qv.

\* Taken to be venetian by some pairs.

7E (Hi)

1. chicks + L.S. nr
2. unocc.
3. sit (?)
4. sit
5. Remnant - unocc.
6. sit
7. sit ; W/T nr.
8. W/T pres.
9. unocc. ; W/T nr
- P7. unocc. ; P.S. nr.
10. W/T + P/P on plat.  
- rebuilding.

Note 1, body staying in  
Unit confirms colony  
here in prev. 2 yrs.

2, L.S. with v. small white  
thru. patch present.

7E (Lo) P1. PS sit + PS nr

1. 2 chicks begging to Sun
2. W/T sit
3. W/T on + W/T nr. &  
greet. New pair has  
taken over : previous pair  
were F/P + F/P (May have  
moved to P6 = 7E(RC)/11
4. unocc. - (then W/T on  
Dead chick wedged below

P2 PS + PS on

5. F/P + L/S on : probably  
a new pair

7. W/T sit

8. W/T sit

9. F/P + F/P pres.

P3 PS on

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Ngapiyi Rd

Several L.S. present.



## DL Scoping

W1 front of steel 30-10-78, 6:30 pm

7W

1. 2 lge dk chicks nr. Fddy W/T
2. W/T sit
- 3x sit
4. 2 dk chicks in ~~W/T~~
5. 1? dk chick nr in ~~W/T~~ outer br.
6. 2 small chicks.

7C

1. W/T sit.

7E (PE)

P4 P.S. on

P5 P.S. on + P5 arr. 2 gr.

1. Sit - chicks.

~~X~~ No trace remains

3x W/T on. F/P out. 9 gr.

7E (PE)

P6 P.S. on plat.

1. Sun on

2. W/T sit

3. F/P (or Sun) sit

4. W/T sit - 2 sun chicks

5. F/P + W/T pres.

6. 2 chicks + W/T alongside

7. F/P sit rep. by F/P

8. W/T pres.

9. W/T + W/T on plat.

- 10\* W/T on plat.

\* Probably reneting by same pair.

## 7E (Hi)

1. Chicks
2. Remnant
3. Sit
4. W/T sit
5. W/T + F/P pres.
6. (P7) (or D/Bur) F/P LS on
7. Sit Sun nr.
8. W/T on. Then F/P on
9. W/T present
10. W/T? on
11. F/P nr small plat.  
W/T on.

## 7E (Lo)

- P1. P.S. + P.S. on
1. 2 db chicks
  2. W/T sit - 1 small chick
  - 3\* W/T sit + W/T on 9 nr.
  - 4\* W/T sit + W/T on 9 nr.  
(head chick nr.)
- P2. P.S. on

5.\* Sun on + F/P alongside

7. W/T nr working at a twig

8. Sit

9. P.S. on

10. F/P + F/P on plat.

11. W/T + W/T on plat.

## Notes

- 1) Imm. L.S. (W/T) in tree "6"
- 2) 2 possible lit. Bl Shags flying about & landing in "6"
- 3) Mating display of L.S. was witnessed. F/P was bowing in 7E High & later in 7E Lt (nr P4) & calling each time "oo-oo-oo"



1.



2.

At first had shaking head  
wings half spread. Later not.

Bowing display continued  
with an accompanying L.S.  
alongside: W/T (little white  
at throat - none on neck  
& little crest). F/P twice  
climbed over W/T & at  
third time mounted for  
brief copulation, but holding  
back of head with bill.

The birds remained down  
side of F/P about turned  
after which they began  
tailfeather pulling, first F/P  
then W/T in reply,  
pulling & shaking the feathers.

~~W/T then~~

F/P again gave a short  
series of bows & calls.  
W/T left.

Later F/P began bowing  
& calling again.

5 pm

W/ front Motel 2-11-78

7W

1. 2 dk chicks nr
2. 1 chick
- 3\* F/P rep'd by W/T  
1 small chick bleed in  
branches along side: Evicted?
- \* New nesting - pair pair  
were both W/T.
4. Unacc.
5. 2 <sup>dk</sup> chicks (large) nr
6. 2 large chicks nr.
- (7) W/T present

7C

1. W/T & nk sit

7E (nk)

- P4 sit  
P5 sit  
1. 2 chicks fed by W/T  
3\* sit

YE (RT)

- P6 sit
- 1. Sun on
- 2. sit
- 3. Chicks W/T nr.
- 4. sit
- (5) F/P nr : W/T nr
- 6. 2 chicks F/P nr
- 7. F/P sit. Briefly left nest to repell W/T which landed nr. a began to call.
- 8. sit
- 9. sit
- 10. W/T sit (W/T only below bill) present

Note 1. F/P nr when copulation occurred on 20/10/78

2. Lt. Black shag landed briefly in "6"

YE (HV)

- 1. 1 large old chick
- (2\*) Remnant + W/T on
- 3. sit
- 4. W/T nr
- (5) F/P pres.
- 6. sit
- 7. sit
- (8) D. Sm. & V. Sm pres.
- (9) sit or on
- ~~10~~ W/T & F/P pres.
- (17\*) F/P sit. Joined by F/P

YE ho

- P1 sit
- 1. 2 old chicks
- 2. 1 chick + W/T,
- 3\*, 5\*, 11, 8 (W/T) sit
- P2, P3 sit
- (7) F/P pres.
- (9) F/P sit. Repet by F/P
- 4\* W/T sit a W/T

5-30 pm

WI front of nest 5-11-78

7W

1. unocc.
2. 1 dk chick
- 3\* sit
4. 1 large chick nr (? pied)
5. large chick(s) fed by L/S nr to nest.
6. 2 dk chicks nr.

7C

1. sit

7E (Hi)

P4 sit

P5 sit

1. 2 dk chicks nr fed by F/P
- 3\* sit.

7E (RM)

(P6\*)

W/T on F/P arr & gr.

1. sit
2. sit
3. 1? dk chick
4. unocc.
5. F/P on platform
6. 2 dk chicks
7. sit
8. Sm present
9. W/T sit
10. - obs<sup>n</sup> missed

7E (Hi)

1. 1 dk chick + D/S nr alongside
- 2\* sit
3. sit
4. 1 dk chick + L.S. sit
- ~~5~~
6. sit
7. F/P sit ~~8, 10~~
- P7\* L.S. sit (bowing)
- 9\* Sm & F/P on & counting

7E (ho)

- P1 PS sit . PS on. calling
1. 2 dk chicks
  2. 1 dk chick
  - 3\* sit
  - 4\* sit
- P2 PS + PS on
- 5\* sit
  7. F/P pres.
  8. sit
  9. F/P sit
  11. WTT on

L. Kuwakatai 4055-11-78

No activity in old  
L. shop colony (C.W.)

Ngapii Rd 7-11-78  
7:30pm.

No birds in this tree  
was any sign of nests

5-30 pm

W'front - Motel 8-11-78

7W.

1. 2 lge dk chicks wr.
2. 1 " " " on.
- 3\* sit.
4. unocc.
5. 1 lge dk chick on
6. 2 " " " wr.  
— flew to be fed by  
WTT in 7E.

7C

1. WTT + nk sit.  
Small chick begging.

7E (ht)

- P4. PS sit + P.S.
- P5. PS sit
1. 2 lge dk chicks on
  - 3\* sit.

7E (R)

P6.\* W/T + F/P on.

1. sit
2. sit. Small chick showing.
3. 2 dk chicks
4. Unocc.
5. F/P on
6. 2 lge dk chicks.
7. sit
9. W/T sit
10. W/T sit.

7E (Hi)

1. 1 lge dk chick + LS on
- 2.\* W/T (D/Sun) on a building
3. ? sit
4. 2 dk chicks
- 5.\* W/T + W/T (orange tailed)  
on new platform
6. sit

7. F/P sit.

⑧ W/T + Sun on plat.

P7\* LS sit + LS nr

9\* Sun on

⑩ W/T pres.

7E (Lo)1.\* h. Shag sit - new  
occupancy

[1 dk + 1 pied fledging nr]

P1. PS sit

2. 1 dk chick

3.\* W/T sit

4.\* 5.\* sit

P2. PS on

⑪\* W/T on new plat.

8. sit

9. sit

11. sit

P3. Not obs.

<u>Dec. Nets</u>	h.s.	36
	p.s.	4

NOTE Wet & windy 11-12/11/78

W/ front Motel 14-11-78 <sup>7 pm</sup>

7W.

1. Unacc.
2. ~~Sit~~ Sit — on dk ~~nest~~ <sup>fledgling</sup>
- 3\* W/T sit. Rep. by F/P
4. Remnant
5. "
6. "

NOTE: Several dk fledglings  
w. 2 legged to F/P when  
it arrived on route to 3\*

7C

1. Sit.

7E (RE)

P4 Unacc.

P5 "

1. Remnant 2 dk fl. w.
- 3\* Sit.

7E (RE)

P6\* Remnant

1. W/T on
2. Sit
3. W/T on
4. ? Dead chick in nest
5. W/T on small plat.
6. Dead chick in nest
7. Sit
8. W/T + F/P pres
9. Sit
10. Sit. (W/T with dk face)

7E (Hi)

1. 1 (or 2) dk Fledgling on
- 2\* W/T + F/P on plat.
- 3 Sit
- 4 On (? a Fledgling)
- 5\* On
6. Sit
7. Sm (?) on
8. W/T + W/T pres.



7E(Hi) Cont'd

9\* sit

P7\* W/T? sit

~~10~~

~~11~~

7E(Lo)

1. Unocc. Dk fledgling  
+ F/P fledgling perched in

P1, PS sit + PS arr + gr.

2. 1 Dk chick on

3\* sit

4\* "

P2 "

5\* "

7\* W/T + F/P on plat.

8. sit

~~9~~

11. sit

9 F/P sit + F/P alongside

Note ca. 10 Dk + 1 F/P

fledgling perched in  
Tree 7.

W'front Motel 18-11-78 10-30  
- 11-20

with DB

7W

1. unocc.

2\* Rem.

3\* sit

4. unocc. Rem.

5. "

6. "

1 or 2 fl. w.

7C

1. 1 large chick + W/T

7E(Lt)

P4 unocc.

P5 " 1 egg on rim

1. Remnant

3\* W/T sit

← Occ. Nets 14-11-78

LS. 20

PS. 2

7E (RT)

P6\*

sun on

- 1. remnant
- 2. unacc? 2 db chicks on
- 3. unacc
- 4. dead chick
- ~~5.~~
- 6. " "
- 7. Remnant (db fl w)
- ~~8.~~
- 9. W/T sit
- 10. W/T sit

7E (HI)

- 1x W/T + LS on
- ~~2.~~
- 3. large db chick(s)
- 4x W/T + W/T on plat.  
- Bowing & calling
- 4. 1 large chick on
- 6. W/T sit
- 7. Sun on repelling others

9x sit  
P7\* F/P sit

7E (Lo)

- 1. Rem.
- P1 PS on with 1 chick  
Cubite downy front & pale  
pink gular pouch) + PS arr
- 2. 1 db chick on
- 3\* sit
- 4\* small W/T sit
- P2 PS on + PS arr 4qr  
brings weed (3 times)
- 5x F/P sit
- 7xx W/T + F/P on
- 8. sit
- 9. F/P sit + F/P arr 4qr
- 11. sit

Note: Colony now has  
ca. 10 db fledglings  
2 pied "

Occ. nets 21.11.78

LS. 28

PS. 2

W' front - Motel 21-11-78  
6-7 pm (U.S. visitor)

7W

1. Unocc.
2. Dk fledgling on
- 3\* sit
4. Unocc.
5. Remnant
6. "

7C

1. chick (pink pouch) + W/T.

7E (ht)

(P4\*) F/P on

(P5\*) W/T on; W/T on 1st egg.

(L\*) W/T on

3\* sit

(4) W/T & F/P on pldt.

Note Cooping could be heard  
but not located

7E(Rt)~~P6~~ (~~not obs~~)

1. Unocc
2. 2 dk nestlings on
- 3\* W/T + D/Sun on
4. D-cod chick
- 5\* W/T + W/T <sup>at Sun</sup> building
6. Dead chick
7. F/P on + dk nestling
9. W/T on
10. W/T on

7E(Hij)

- X.
- 2.
3. chick? on
- ~~X~~
- 5\* sit
6. sit
7. F/P on + building
- (8\*) W/T + Sun on flat

P7\* LS sit  
9\* sit

7E(Lo)

1. Rem.
- P1. ps. on + chick
2. Rem.
- 3x W/T on
- 4\* sit
- P2 PS sit
- 5\* sit
- 7\*\* F/P on
8. chicks?
9. F/P + F/P on
- 11 F/P sit rep. by W/T

Note 1. F/P fledgling in 7E(RE)  
2. F/P fledgling nr. 7E(Lo)/1  
has a yellow bill.

It was fed by Sun. in  
7E(Lo) with a black  
bloodline trying to share.

W' front Nestel

26-11-78

7W

7 → 7.30pm

1 unocc.

~~2~~

3<sup>x</sup> sit

4 unocc.

~~5~~

6 small remnants

7C

1. Dk nestlings on.

7E (Rt)

~~P5~~ F/P pres.

P5<sup>x</sup> W/T + h.s. on

1<sup>x</sup> W/T sit

3<sup>x</sup> sit

~~4~~

7E (Rt)

~~P6~~

1. Remnant

2 2 dk nestlings

3<sup>x</sup> D/Su on

4. Dead chick

5<sup>x</sup> W/T + H/Su on plot.

6. Dead chick

7. Dk nestlings on. F/P on

9. W/T? sit

10. Small W/T sit

7E (Hi)

~~2~~ ~~3~~

3. F/P nestling on

5<sup>x</sup> D/Su sit

6. W/T sit

7. F/P sit

8<sup>x</sup> W/T on + W/T (as Su) on. 9 & 10.

9<sup>x</sup> sit

P17<sup>x</sup> F/P sit.

7E (ho)

- 4  
P1. PS + large chick, + PS  
2<sup>x</sup> F/P on 9. Sit  
3<sup>x</sup> W/T + W/T on  
4<sup>x</sup> Sit  
P2 PS on + PS on, 9 gr.  
5<sup>x</sup> F/P sit  
7<sup>x</sup> sit  
8. Sit (w/ chicks)  
11. F/P sit.

Note

- 1) Adult with W/T and calling greeting but being repelled.
- 2) Several dk fledglings in "6" & "7"
- 3) F/P fledgling fed by F/P in 7E (Hij)  
F/P has several tail feathers missing.

W'front Motel

30-11-78

7 pm.

7W

- 3<sup>x</sup> W/T sit  
4. Unocc.  
Rest gone.

7C

1. 1 dk chick on

7E (RC)

- P5<sup>x</sup> P. shap on, then moved off to perch a short distance away. W/T L. shap then came on to nest & gaped toward P5. F/P on 9 gr & stayed in alongside W/T.  
1<sup>x</sup> W/T sit, rep. by W/T  
3<sup>x</sup> L5 sit. F/P on 9 gr.

- Note 1) dk fledgling fed by W/T away from nests  
2) some cooing heard.

TE (RH)

2x

2. 2 large dk nestlings.

3x sit

4. Dead chick

5x W/T on + Sundry

6. Dead chick

7. Dk fledgling on, then nr.

9. sit

10. W/T sit.

7E (Hij)

3 F/P chick on + W/T adult

5x sit

6. Small chick(s)

7. F/P sit. W/T on, agr.

8x sit

P7x F/P sit

9x sit

Now: F/P + ? Sundry/white  
 abdominal present & tail  
 pulling.

7E (Ro)

P1. P.S. + P.S. + large chick.

2x F/P on

3x W/T on + on

4x sit

P2 P.S. on + P.S.

5x sit

7xx F/P sit

8. sit

9. F/P sit

11. sit

~~10.~~

W'front Motel

5.12.78

12 noon

7W

3<sup>x</sup> sit

4. Remnant

7C

1. large chick nr.

7E (RE)

PS<sup>x</sup> sit

1<sup>x</sup> sit

3<sup>x</sup> sit

7E (RE)

2. 2 large chicks now

1 F/P, 1 Dc. F/P adults

nr. a fed F/P chick

3<sup>x</sup> W/T sit

4. Dead chick


5<sup>x</sup> W/T + Sm on

6. Dead chick

7. unocc.

9. sit

10. W/T sit

(11) W/T + Sm.  white  
on new platform.

7E (Hi)

3 large F/P chick fed by W/T

5<sup>x</sup> sit

6. 3 small chicks fed.

Pouches are flesh coloured  
and give appearance of a  
fringe.

7<sup>x</sup> sit

8<sup>x</sup> sit

9<sup>x</sup> sit

P7<sup>x</sup> sit

(12) F/P + F/P (or Sm) on  
platform and building.



7E (Lc)

P1. large chick + PS  
2x sit  
3x w/T out  
4x sit  
P2 sit  
5x sit  
6x sit  
7x sit  
8x sit  
9x sit  
11 sit

Wfront Motel 6-12-78

RT - PHOTOS. 12-1 PM

7W  
3x F/P sit  
K Rem.

7C  
1 large chick on

7E (Rt)

P5x unocc. D&F. w.

1x w/T sit

3x F/P sit

7E (R)

P1 large chick + PS on

2x w/T out

3x sit

4x sit - w/T stained orange - Lhdri

P2 unocc.

8x F/P sit; L/Sun on 9x

7x, 8, 9 sit

11 w/T sit.

7E (H)

- 3. F/P chick + W/T
- 5+ sit
- 6 chicks fed by W/T
- 7+ sit
- 8+ sit
- 9+ F/P sit
- 9+ sit
- 12 on

7E (R)

- 2. F/P chick + 2 1/2 chicks on 2 W. Fed by F/P
- Photos (stained yellowish)
- 3+ W/T sit
- 4 Dead chick
- 5 W/T on 5m sit + W/T + drop side
- 6 Dead chick
- 7 UNOC
- 9 W/T sit
- 10 W/T sit - covering
- 2? small chicks
- 11. Sun on; W/T bringing out

~~6-11-78~~

Notes on 7E (R) / 2

— P.T.O.

11-12-78

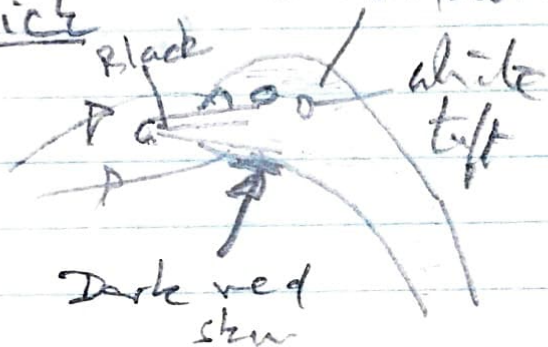
Plumage notes:

1. Red chick

Dark down

Head -

pale skin



Neck - Dark down

Breast - white feathers

Thigh -

Dark thigh

white breast

white tufts

9 feathers

15-12-78

Brown dark at tip

yellow skin

red

Black down

Black

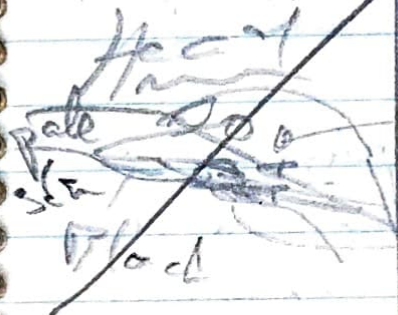
white feathers



11-12-78

Notes

FP flesh



white tuft

dark red

Head color in dark down

neck

thighs

white

white feathers

white feathers

(V. activa)

11-12-78 Plumage notes

2. Dark fledgling  
Young bird, flying strongly  
perched in tree 6,  
4 m from me.

Wholly black plumage,  
including cover of head.  
Bill — upper mandible  
brown, lower pale yellow  
with no trace of <sup>orange</sup> patch  
or bare skin around the  
bill remaining.

Nests at 11-12-78

Food shap 1

Little shap occ: 19

unocc/remnant: 12

W' front M Stel 11-12-78

2:2:30 pm

ZW  
3x sit  
4 Remnant

ZC  
1 Unocc. DE Ft. near

ZE (ht)  
P5x LS sit  
1x W/T sit  
3x F/P sit

ZE (ho) (Pied, slight black  
on breast)  
P1 hge chick/begging & fed  
Both adults on.

2<sup>+</sup> 3<sup>+</sup> 4<sup>+</sup> 5<sup>+</sup> sit  
P2 Remnant

7<sup>+</sup> Remnant

8 ? Unocc.

9 F/P sit

11. sit

7E (Hi)

- 3 Unocc.
- 5x sit
- 6 Chicks — ? asleep?
- 7x sit
- 8x unocc.
- 9x sit. Sm avg egg
- 11 sit.
- 12 On

7E (RM) (NB 2E RE/~~X~~ No Place)  
 2 Unocc. Black fledg. in

Pied Ft. moving around.

- 3x Small wt sit
- 4. Dead chick
- 5. Remnant
- 6. "
- 7. "
- 9. wt sit — covering small chick (red pouch, pub-orange crown skin)
- 10. Sm wt — smudgy neck sit
- 11. — covering small chick(s)

W'front Motel 15-12-78

7.30-8.15 pm

7W  
 3x sit  
 4 Remnant

7C  
 X No trace

7E (RH)

PS-X Unocc.  
 1x sit (asleep)  
 3x F/P sitting high.  
 1 chick begged & fed.

7E (RH)

2. Unocc. F/P fledgling in lower branches of tree 6, flying short distances. Became excited at arrival of F/P adult (no longer retained). Adult briefly came alongside fledgling, but then flew w/o feeding.

[ Occ. nests 15-12-78 ]

L.S. 22

P.S. 2

7E (RE) Cont'd

- 3x W/T sit
- 4. Dead chick
- 5x W/T present
- 6. Dead chick
- 7. Remnant
- 9. W/T on covering small chick.
- 10. 2 chicks.

(11) — Replacement platform one bird on, making male-advertising display i.e. bowing, lowering head below nest, shaking head & calling "oo-oo".

later (seen from lower tree) bird on nest was making a different display: crouching & bounding up & down with wings half raised and head up.

White underside



Smaller (FP?)

This bird then went straight into bowing display (I could not hear if it was calling). W/T bird arrived & greeted. F/P pulled & shook tail of W/T. W/T stayed alongside. F/P began bowing again later.

7E (Hi)

- (3x) sit
- 5x LS + LS on w sit
- 6. 1 chick on, another w.
- 7x Unocc. W/T w
- 8x Remnant — F/P on (has white wing patch)
- 9x sit
- 10x F/P sit — small chick
- 12 F/P on

7E (Ro)

- P1 Rse chick + PS on
- 2x, 3x, 4x, 5x, 9, 11 sit
- 8 Unocc
- P2 PS on

7E (RT) Cont'd

3x W/T sit

4. Dead chick

5. W/T present

6. Dead chick

7. Remnant

9. W/T on covering small chick.

10. 2 chicks.

(11) — Replacement platform one bird on, making "male-advertising" display i.e. bowing, lowering head below rest, shaking head & calling "oo-oo".

later (seen from same tree) bird on nest was making a different display: crouching & bouncing up & down with wings half raised and head up.

White underside



(FP?)

This bird then went straight into bowing display (I could not hear if it was calling).

W/T bird arrived & greeted tail of alongside again



W/T late  
FP

6.  
7x  
8x

9x  
P7  
12

7E (3x)  
P1 hse chick + P5 on  
2x, 3x, 4x, 5x, 9, 11 sit  
P8 mocc  
P2 P5 on

as sit  
or no  
FP on  
s flad  
all chick

Puhoi — as a H.V.  
↳ an experiment in  
social planning

— two expts  
— can they go on  
5-ly-side

— one might  
nullify the other.

---

S.P. part  
Earlier larger farm  
lands

2 hills + Rd fragments

→ 5.

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Church's viable  
— Catholic

15-12-78

70 (20)

P1 large chick + PS

3, 3, 4, 5, 9, 11 sit

P2 PS on

8 unocc.