

Ketterson / Nolan Research Group Collection

This document is part of a collection that serves two purposes. First it is a public archive for data and documents resulting from evolutionary, ecological, and behavioral research conducted by the Ketterson-Nolan research group. The focus of the research is an abundant North American songbird, the dark-eyed junco, *Junco hyemalis*, and the primary sources of support have been the National Science Foundation and Indiana University. The research was conducted in collaboration with numerous colleagues and students, and the objective of this site is to preserve not only the published products of the research, but also to document the organization and people that led to the published findings. Second it is a repository for the works of Val Nolan Jr., who studied songbirds in addition to the junco: in particular the prairie warbler, *Dendroica discolor*. This site was originally compiled and organized by Eric Snajdr, Nicole Gerlach, and Ellen Ketterson.

Context Statement

This document was generated as part of a long-term biological research project on a songbird, the dark-eyed junco, conducted by the Ketterson/Nolan research group at Indiana University. For more information, please see IUScholarWorks (<https://scholarworks.iu.edu/dspace/handle/2022/7911>).

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NEST LOG SHEET

FC

NEST ID: Hotel 50 TREATMENT GROUP: I
 MALE BAND #: 94093730 DATE/STATUS WHEN FOUND: building
 COLORS (R) Solav
 COLORS (L) org DATE 1st EGG (indicate if backdated): 5/4
 BLOOD SAMPLE # 2162 # EGGS LAID (indicate if uncertain): 2
 IMPLANT REMOVED (Y/N), DATE: y-7/22/94 DATE INCUBATION ONSET (indicate if bd): ?
 FEMALE BAND #: 2131-14776 EXPECTED HATCH DATE: -
 COLORS (R) yel-R # HATCHED, DATE: -
 COLORS (L) soorg ored-L FLEDGED/FAIL #, DATE: eggs (telemetry) 5/14
 BLOOD SAMPLE # - 3 CB EGGS (REMOVED)
 FEMALE STAYED/LEFT, DATE: -

LOCATION (GENERAL): Hotel - condo parking lot - bank on east side of lot, Nend
 LOCATION (SPECIFIC): near Nend of uphill bank a stick (diameter ca. 2") in just behind nest & points upward toward nest opening. Flag is attached to this stick

DATE	TIME	INIT	STATUS
4/21/94	1555	ET	♀ worked by UI ♂ at trap in NW corner of condo parking lot, ♀ with nesting material (grass) in bill took to spot on bank, saw ♂ again with material
5/1/94	1455	TK	No eggs - Solav @ org @ sang - was foraging on bait pile.
5/2	0900	ES	no eggs - no parents detected
5/3/94	0742	JM	placed leaf in nest; no eggs; no adults seen.
5/4/94	1050	JM	leaf gone; one egg, no adults seen
5/6/94	741	JM	♀ on; did not disturb
5/8/94	1400	ES/TK	♀ on; didn't disturb
5/10/94	851	JM	" " "
5/11/94	0850	TK	UI ♂ for sample. ♀ off nest → looked inside - 2 warm eggs - one looks like a CB egg. (what to do?)
5/13/94	725	JM	♀ on, did not disturb; ♂ above nest in tree.
5/13/94	02:00	MS	♂, ♀ absent. 3 eggs found, 1 possibly a cowbird egg
5-14-94	16:45	CRC	Tracey + Michelle caught ♂; I put a transmitter on him; I removed 3 CB eggs from nest

FAILED
(telemetry)

NEST LOG SHEET

RC

NEST ID: HTL52R
 MALE BAND #: 2131 14165
 COLORS (R) SO RED O BLK
 COLORS (L) OK GRN
 BLOOD SAMPLE # 2347
 IMPLANT REMOVED (Y/N), DATE: _____
 FEMALE BAND #: 2131 14453
 COLORS (R) DK BL
 COLORS (L) SO YEL O LT GRN
 BLOOD SAMPLE # _____
 FEMALE STAYED/LEFT, DATE: _____

TREATMENT GROUP: _____
 DATE/STATUS WHEN FOUND: 5/16
2 INFO - PUT LEAF IN. (GONE NEXT DAY)
 DATE 1st EGG (indicate if backdated): ~ 5/19 (bd) 5/20
 # EGGS LAID (indicate if uncertain): 4
 DATE INCUBATION ONSET (indicate if bd): ~ 6/2 5/23
 EXPECTED HATCH DATE: _____
 # HATCHED, DATE: 6/12
 FLEDGED FAIL, #, DATE: 6/13 - 3 young 6/13
2 CB egg removed

LOCATION (GENERAL): BK ROAD + BK TRAIL
 LOCATION (SPECIFIC): SEE OTHER SIOC

DATE	TIME	INIT	STATUS
5/19	930	ZK	1 JUNCO + 1 CB EGG
5/21	920	JS/66	3 JUNCO + 2 CB eggs (?-confirm) ♀/♂ not seen/heard
5/22	945	JS	♀ on, ♂ singing
5/22	PM	TK	♀ on - waited, ♀ flew off, removed 1 CB egg
5/23	904	JM	passing by, saw ♀ perched above nest, then she went to nest
5/26	1018	JM	♀ on, ♂ chipping from woods behind nest
5/26	1353	JM	♀ not on, one adult chipping - 4 warm junco eggs, 1 CB egg; been removed CB egg
5/28	8:57	GG	♀ on, no ♂ present - forgot to go back later.
5/29	1700	Z19	♀ FLUSHOO, 4 JUNCO EGGS.
6/2	1106	MS	♀, ♂ absent, 4 eggs
6/13	1415	ZK	♀, ♂ IN AREA. 3 NESTINGS (DAY 1 (2)), 1 UNDEVELOPED EGG. <small>DAY 0 (1)</small>
6/15	1030	JS	3 young, ♀ off & chipping
6/18	1620	ZK	3 NESTINGS, 63 DAY 6
6/12	1500	TK/ES	Setup net for fledging.
6/13	600	JS/TK	fledged 3 nestings - ct ♂ & female Bled both for hormones. Brought ♂ Back to lab to sample for sperm
7/7/94	1930	EL	♂ seen singing on BK, down hill from its intersection with upper JT (a trail to JT) - advertisements

NEST LOG SHEET

NEST ID: HTL 52 TREATMENT GROUP: _____

MALE BAND #: _____ DATE/STATUS WHEN FOUND: 5/11
♀ ON NEST incubating 4 J+ 1 CB eggs

COLORS (R) SO RED O BLK DATE 1st EGG (Indicate if backdated): ??

COLORS (L) DK GRN ? juv EL 5/14 # EGGS LAID (Indicate if uncertain): 4

BLOOD SAMPLE # _____ DATE INCUBATION ONSET (Indicate if bd): ?

IMPLANT REMOVED (Y/N), DATE: _____ EXPECTED HATCH DATE: _____

FEMALE BAND #: _____ # HATCHED, DATE: _____

COLORS (R) DK BL FLEDGED/FAIL, #, DATE: ~ 5/12
1 CB egg (removed) → BK TO 700

COLORS (L) SO YEL O LT GRN

BLOOD SAMPLE # _____

FEMALE STAYED/LEFT, DATE: _____

LOCATION (GENERAL): WATER TANKS

LOCATION (SPECIFIC): FLAG ON VALVE & FLAG TIE OVER NEST.



DATE	TIME	INIT	STATUS
5/11/94	1200	Z19	FLUSHED ♀ OFF NEST. POSITIVE ID. 45 UNCO, 1 CB. REMOVED COV BIRD
5/12/94	802	JM	Nest lining torn out, eggshell fragments visible, no adults seen/head. failed
5/13/94	800	Jm	Ⓜ SO Red o BIK Ⓛ DK bl? & Ⓜ DK bl Ⓛ Soyeloltgrn foraging low on BKR. Confirm Ⓜ
5/14/94	1930	EK	EK confirms Ⓜ bands, saw all led to lt grn on the ♀ - try and hear water tank then was an intruder SO SO o dk bl/white-R, gm/bw-L = 940-93274, flush up fight, still by ♀.
5/16/94	1030	Jm	I can also confirm Ⓜ Ⓜ SO Red o BIK Ⓛ DK grn; Ⓜ singing on E side of BKR below tanks.
5/16/94	1400 1500	Z19 45	TRIED TO CATCH Ⓜ FOR IMPLANT. BOTH IN AREA TO WIND. IN AREA BETWEEN BKR & 1ST PWCUT.

HTL 53R

NEST LOG SHEET

FC

NEST ID: HT 65TREATMENT GROUP: I

MALE BAND #:

DATE/STATUS WHEN FOUND: 5/31/94, almost

COLORS (R)

complete w/ little deer hair

COLORS (L)

DATE 1st EGG (indicate if backdated): 6/2 (not bd)

BLOOD SAMPLE #

EGGS LAID (indicate if uncertain): 4

IMPLANT REMOVED (Y/N), DATE:

DATE INCUBATION ONSET (indicate if bd): ~6/06

FEMALE BAND #:

EXPECTED HATCH DATE: 6/17

COLORS (R)

HATCHED, DATE: -

COLORS (L)

FLEDGED/FAIL #, DATE: ~6/14 - eggs

BLOOD SAMPLE #

1 CB EGG (REMOVED)

FEMALE STAYED/LEFT, DATE:

LOCATION (GENERAL): UJT above CondosLOCATION (SPECIFIC): in bank in upper side of trail; few m. past large rock in left side of trail. Stick w/ flagging lying on top of rock. Small flag above nest, large across trail.

DATE	TIME	INIT	STATUS
5/31/94	pm	JM	found this nest start on 5/11. Noticed yesterday (5/30) that it looked progressed (grass cup added to moss rim). Today has some deer hair. No adults seen/heard.
6/1	1005	ms	nest almost completely lined; ♀ chipping w/ deer hair
6/2	1035	ms	♀ ♂ absent 1 egg
6/3	1330	Z14	1 JUNCO EGG
6/4	835	Z14	2 JUNCO EGGS, 1 CB EGG, LAUOWULAV IN AREA !!!
6/8	1452	Z14	♀ FLEDGED 4 JUNCO EGGS 1 CB EGG (REMOVED) IS HTL 553 ♀ !!
6/14	1444	GG	if correct, nest is pulled out, no ♂ or ♀ tag across path says JT65 by JM.
6/14	pm		Failed →
6/16	pm	GG	nest indeed failed
7/6	pm	ek	heard ♂ with his song
7/8	pm	ek	saw this ♂ singly near gas tanks just off half way between the rec barn and the condos - certain it is

NEST LOG SHEET

NEST ID: HTL 33
 MALE BAND #: 175063982
 COLORS (R) DK bl o S
 COLORS (L) lav o white o lav
 BLOOD SAMPLE # 2146
 IMPLANT REMOVED (Y/N), DATE: _____
 FEMALE BAND #: 213114628
 COLORS (R) Blk
 COLORS (L) So Hbl
 BLOOD SAMPLE # 2164
 FEMALE STAYED/LEFT, DATE: _____

TREATMENT GROUP: I
 DATE/STATUS WHEN FOUND: 5/12/94 Nest start w/ mosses & some grass
 DATE 1st EGG (Indicate if backdated): ~5/17
 # EGGS LAID (Indicate if uncertain): 3
 DATE INCUBATION ONSET (Indicate if bd): ~5/20
 EXPECTED HATCH DATE: _____
 # HATCHED, DATE: _____
 FLEDGED/FAIL, #, DATE: ~5/28 fail-eggs

LOCATION (GENERAL): HTL rec barn / Condos area:
 LOCATION (SPECIFIC): on bank above driveway to Condos; 1/3 way up under grass & vetch; small flag near nest; Walk 4 paces down drive from large flag

DATE	TIME	INIT	STATUS
5/12/94	837	JM	followed junco (R) ? S (L) Red? toward rec barn. (R) Dk bl o S (L) lav o white o lav chipping, chased ↑ away. Then saw ♀ (R) ? (L) So Hbl w/ nest material. ♀ went to bank, deposited material. ♂ guarding closely. Confirm ♀ band concho
5/13	734	JM	Saw ♀ w/ nest material again (R) Blk (L) So Hbl; ♂ guarding POS. ♀ ID
5/15	1515	ms/ss/ES	nest looks fully lined, no eggs
5/17/94	813	JM/ps	one egg; no adults seen; heard ♂ singing
5/18	900	TR	Attempted to catch ♂ - saw ♂ So 2w (R) yet (L) foraging near nest. nest had 4 eggs (2 junco and 2 CB) - removed the 2 CB eggs.
5/19	1615	ms	2 eggs; ♀ & ♂ absent
5/20	827	JM	♀ on, didn't disturb
5/21	10:25	GG/S	♀ (R) Blk (L) So Hbl → chart asked to id ♀, 3 junco eggs.
5/24	am	JM	flagged nest w/ large flag on either side b/c weedwacker nearby, ♀ flushed. I didn't check nest.
5/26	1012	JM	♀ on, ♂ not seen/heard
5/28	9:19	GG	chipmunk & squirrel seen coming from nest general area. ♂ & ♀ chipping, <u>NEST DESTROYED</u> , no eggs.

6/04 835 Zig Sciled
 LAVOW OLAV IN AREA JT 65/1

NEST LOG SHEET

NEST ID: HTL 54R
 MALE BAND #: 2131-144100
 COLORS (R) Soye/O DRG
 COLORS (L) White
 BLOOD SAMPLE # 2151
 IMPLANT REMOVED (Y/N), DATE: _____
 FEMALE BAND #: 2161-40024
 COLORS (R) O/WHITE
 COLORS (L) WHITE OS
 BLOOD SAMPLE # 2230
 FEMALE STAYED/LEFT, DATE: _____

TREATMENT GROUP: I
 DATE/STATUS WHEN FOUND: 6/02
1 JUNCO EGG
 DATE 1st EGG (Indicate if backdated): 6/02 (not bd)
 # EGGS LAID (Indicate if uncertain): 3
 DATE INCUBATION ONSET (indicate if bd): 6/04
 EXPECTED HATCH DATE: 6/17?
 # HATCHED, DATE: 1, 6/15
 FLEDGED/FAIL #, DATE: 1 CBEGG (REMOVED)
≅ 6/24 - mid nestl.

LOCATION (GENERAL): GC ROAD
 LOCATION (SPECIFIC): 40 STEPS E PAST GC TAGOZ, ON BANK (SOUTH)
LARGE FLAG RHS, TIE OVER NEST.

DATE	TIME	INIT	STATUS
6/02/94	1320	ZG	FOUND A NEST WITH 1 JUNCO, ALSO CT HTL54 ♂ + REMOVED TRANSMITTER.
6/03/94	1600	Z19	1 JUNCO, 1 CB EGG. TRIED 1 HOUR TO CATCH US ♂ RAY SAID WAS IN AREA. NO SIGN OF HIM OR ♂ ♀ OF HTL54.
6/04/94	1015	Z19	♀ FLEW AS I WALKED BY.
6/6/94	1506	GG	2147 ♀ on, 1506 3 junco & 1 CB egg
6/7/94	1510	GG	♀ chip, removed 1 CB egg, 3 junco eggs left.
6/11	1030	MS	♀ on
	1040		♀ off 3 eggs; ♂ absent
6/14	1606	GG	♀ on, no ♂ chipping.
	1441	ER	♀ on, ♂ sig over head, 3 eggs
6/17	1502	G2	♀ on, went twice, no ♂ present
	1653		
6/18	950	GG	♂'s ♀ chipping, 3 nestlings, measured them. one day 1, one day 2, one day 3 nestlings
6/21	1505	G2	3 nestlings, ♂ & ♀ chipping
6/24	1500	Z19	CONTENTS GONE, NEST INTACT, NO ADULTS IN NEST

FAILS

Re

NEST LOG SHEET

NEST ID: HTL 54

TREATMENT GROUP: I

MALE BAND #: 2131-14460

DATE/STATUS WHEN FOUND: 5/18/94

? COLORS (R) So YO ORG

1CB, 1 JUNCO EGG

COLORS (L) WHITE

DATE 1st EGG (Indicate if backdated): ~5/17 (bd)

BLOOD SAMPLE # 2151

EGGS LAID (Indicate if uncertain): 3

IMPLANT REMOVED (Y/N), DATE:

DATE INCUBATION ONSET (Indicate if bd): ~5/19

FEMALE BAND #: 2161-40024

EXPECTED HATCH DATE: -

COLORS (R) org/white

HATCHED, DATE: -

COLORS (L) w^o Silver

FLEDGED/FAIL, #, DATE: CRC - eggs 5/27

BLOOD SAMPLE # 2230

2 CB EGGS (1 removed, 1 disappeared)

FEMALE STAYED/LEFT, DATE:

LOCATION (GENERAL): DELINO TEXAS

LOCATION (SPECIFIC): ONBANK NEAR POLTA-JOHN FLAGGON

DATE	TIME	INIT	STATUS
5/18	1140	ZG	NEST WITH 2 EGGS (1CB, 1JUNCO).
5/19	900	ZG	2 JUNCO 2CB, (REMOVED ONE COMBRO EGG)
5/20	843	JM	♀ flushed; 3 junco 1CB egg
5/24	1110	JM	♀ flushed; 3 junco 1CB egg
5/20	1043	JM	♀ not on, 3 junco eggs, <u>no</u> CB egg, new flagging surrounding nest, ♂ not seen/heard.
5/27	800	TR	ct ♂ for sample - checked nest - ♀ was on until I accidentally flushed her off.
	4:00	CRC	Placed transmitter on ♂
	15:30	CRC	Removed 3 junco eggs to recycle pair for telemetry
			FAILED (telemetry)
5-29-94	14:00	CRC	Pair seen ~60m up Golf Course Rd; ♀ may be building in bank; ♂ w/ transmitter
6-2-94	9:30	CRC	♂'s transmitter failed; ♀ nearby, but no sign of nest; ♂ singing on top of Roanoke.

NEST LOG SHEET

NEST ID: HTL55B2
 MALE BAND #: 94093074
 COLORS (R) SoD, dkbl/wht
 COLORS (L) brn/ltarn
 BLOOD SAMPLE # 2235
 IMPLANT REMOVED (Y/N), DATE: Yes 8/13/94
 FEMALE BAND #: 2131-14983
 COLORS (R) ltarn
 COLORS (L) SoWhOred
 BLOOD SAMPLE # 2251
 FEMALE STAYED/LEFT, DATE: _____

TREATMENT GROUP: I
 DATE/STATUS WHEN FOUND: 6/16/94 2junc
eggs, complete nest
 DATE 1st EGG (indicate if backdated): 6/15 (BD)
 # EGGS LAID (indicate if uncertain): 2
 DATE INCUBATION ONSET (indicate if bd): NA
 EXPECTED HATCH DATE: -
 # HATCHED, DATE: -
 FLEDGED/FAIL, #, DATE: ~6/21 fail-eggs

LOCATION (GENERAL): HTL - on bank just south of gallery
 LOCATION (SPECIFIC): 10 steps before "Chestnut Lodge Parking" sign in bottom (of the 2) holes.

DATE	TIME	INIT	STATUS
6/16/94	PM	60	complete nest, w/ 2, junco eggs
6/17/94	1515	62	2 junco eggs, 1 cracked, no ♂ or ♀ present
6/18/94	AM	62	2 junco eggs, removed the cracked one. saw crack 6/17 - on Iowa side (not ends). Egg s or head. NO dev
6/20/94	1415	62	Still only 1 egg, no ♂ or ♀ coming from S of Se
	0900	TK	Nest has only one egg - ♀ probably should have been left in nest. Followed to ...
6/21	1511	62	nest inactive, egg no development, ♂ heard singing from behind (S) of service building in wood. Failed
7/12	1130	TK/ES	♂ and ♀ clipped, ♂ sang SRS behind service bldg.
8/13			♂ at behind hotel kitchen - 2 implants removed

Back
 2nd egg
 failed to
 2nd egg
 ER

NEST LOG SHEET

NEST ID: HTL55R
 MALE BAND #: 940 93274
 COLORS (R) So Orgo Dkh/wht
 COLORS (L) brn/Hgrn
 BLOOD SAMPLE # 2235
 IMPLANT REMOVED (Y/N), DATE: y- 8/13/94
 FEMALE BAND #: 2131-14983
 COLORS (R) Hgrn
 COLORS (L) So white + Red
 BLOOD SAMPLE # 2251
 FEMALE STAYED/LEFT, DATE: _____

TREATMENT GROUP: I
 DATE/STATUS WHEN FOUND: 5/26/94; complete nest
w/ 2 junco eggs, 1 CB egg
 DATE 1st EGG (indicate if backdated): ~5/25 (bd)
 # EGGS LAID (indicate if uncertain): 3
 DATE INCUBATION ONSET (indicate if bd): ~5/27
 EXPECTED HATCH DATE: -
 # HATCHED, DATE: -
 FLEDGED/FAIL #, DATE: failed 6/5 - eggs
1 CB Egg (removed)

LOCATION (GENERAL): HTL Service Bldg, W end

LOCATION (SPECIFIC): in woods ~ 100m uphill behind west end of HTL Service bldg
trail flagged from grassy area uphill to nest. small flag below, large flag above
and to left of nest. Nest in bank of shallow gully, under fallen branch & grasses

DATE	TIME	INIT	STATUS
5/26	1438	JM	complete nest w/ 2 junco & 1 CB eggs. Site was already flagged as nest start. Adults foraging on grassy area at W end of service
5/27	pm	66/JM	accidentally flushed ♀ & ♂ 3 junco eggs, removed the one cowbird egg
5/29	1112	JM	IDID positively both adults. ♂ singing above & near nest, ♀ foraging @ then went on nest.
5/30	921	JM	♀ on, (948) ♀ off 3 junco eggs, 1 CB, removed CB egg
6/4	900	JK	at ♂ for sample. did not look in nest.
6/5	1010	SS	♂/♀ absent, no eggs, nest torn
			— failed —

NEST LOG SHEET

FC

NEST ID: HTL 55

TREATMENT GROUP: I

MALE BAND #: 940-93274

DATE/STATUS WHEN FOUND: 5/20/94 complete

COLORS (R) So Org o Dkbl/wht

nest w/ at least 1 egg (see below)

COLORS (L) brn/ltr grn

DATE 1st EGG (indicate if backdated): ?

BLOOD SAMPLE # 2235

EGGS LAID (indicate if uncertain): 1

IMPLANT REMOVED (Y/N), DATE: Y-8/12/94

DATE INCUBATION ONSET (indicate if bd): -

FEMALE BAND #: 2131-14983

EXPECTED HATCH DATE: -

COLORS (R) ltr grn

HATCHED, DATE: -

COLORS (L) So wht o red

FLEDGED (FAIL) #, DATE: ~5/20 - eggs

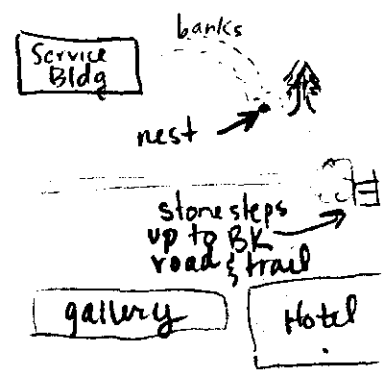
BLOOD SAMPLE # 2251

FEMALE STAYED/LEFT, DATE:

LOCATION (GENERAL): HTL Service Bldg, NW corner

LOCATION (SPECIFIC): in low bank below trees at NW corner of bldg, at edge of dandelion/grassy area;

DATE	TIME	INIT	STATUS
5/20	1439	MS JM	<p>found predated nest, hair lining torn out at least 1 egg shell (fragments) no adults (JM had been there (1728) 5/19 and seen ♂ @ So Org o Dkbl/wht @ brn/ltr grn and ♀ @ ltr grn @ So white o red chipping furiously from tree above nest. Couldn't see nest at that time.</p> <p><u>failed</u></p>



NEST LOG SHEET

NEST ID: HTL 50 II TREATMENT GROUP: _____
 MALE BAND #: 940-93712 DATE/STATUS WHEN FOUND: Nest has approx. day 10
 COLORS (R) So lav nestlings - at least 3 heads seen
 COLORS (L) lt grn DATE 1st EGG (indicate if backdated): ~6/18 (bd)
 BLOOD SAMPLE # 2394 # EGGS LAID (indicate if uncertain): 3
 IMPLANT REMOVED (Y/N), DATE: _____ DATE INCUBATION ONSET (indicate if bd): ~6/20 (bd)
 FEMALE BAND #: 940-93125 EXPECTED HATCH DATE: -
 COLORS (R) Red # HATCHES, DATE: ~7/1, 3
 COLORS (L) So lt grn / Brown FLEDGED/FAIL, #, DATE: 7/12 3 fledged
 BLOOD SAMPLE # 2143
 FEMALE STAYED/LEFT, DATE: _____

LOCATION (GENERAL): Hotel - service building
 LOCATION (SPECIFIC): Back of service building - hole in brick wall - nest is in hole.

DATE	TIME	INIT	STATUS
7-11-94	1400	ET/TK	Saw ♂/♀ carrying food behind service building. Saw bird enter service building - Nest is located in side of Building in a hole. - Couldn't check nest for contents because workmen in way
	1700	ET/TK	Went back to check nest - used flashlight to see in. Birds in nest "hunkered" down - saw tail whites & Nestlings probably day 10. probably should fledge nest tomorrow.
7/12	0630	TK/ES	Fledging day - all nestlings look <u>day 11</u> for measurements 3 nestlings, banded + bled ♂ dt. bled for Hormones ♀ dt. bled for Hormones
7/19	1400	TK	Saw ♂/♀ feeding fledglings (Saw ♂ lt grn & ♀ BL (R)) behind service building.

NEST LOG SHEET

NEST ID: HTL 56
 MALE BAND #: 940-93712
 COLORS (R) Solav
 COLORS (L) ltgrn
 BLOOD SAMPLE # 2394
 IMPLANT REMOVED (Y/N), DATE: _____
 FEMALE BAND #: 940-93125
 COLORS (R) Red
 COLORS (L) Soltgrn/brn
 BLOOD SAMPLE # 2143
 FEMALE STAYED/LEFT, DATE: _____

TREATMENT GROUP: _____
 DATE/STATUS WHEN FOUND: 5/30/94 complete nest
w/ 4 - Day 2 nestlings (one poss Day 1)
 DATE 1st EGG (indicate if backdated): bd. 5/14/94
 # EGGS LAID (indicate if uncertain): 5
 DATE INCUBATION ONSET (indicate if bd): bd. 5/17/94
 EXPECTED HATCH DATE: 5/28/94
 # HATCHED, DATE: 3 eggs 5/28/94, 1 egg 5/29/94
 FLEDGED/FAIL, #, DATE: 1/08 - 4 young

LOCATION (GENERAL): HTL Gallery
 LOCATION (SPECIFIC): under gallery balcony, within lattice, must go thru lattice door
at lower rt. corner of E side of bldg. Nest on support beam overhead, next to vertical support
beam on left as you go thru door.

DATE	TIME	INIT	STATUS
5/30/94	12:15	EK VN	saw ♀ fly under gallery, EK went to check, found ♀ chipping, some young in nest. could not observe w/out mirror.
5/30/94	15:12	EK JM	went to nest w/ mirror, found 4 ^{one poss. Day 1 (see nestling wt. sheet)} Day 2 young & 1 undeveloped egg. Adults not present. Weighed & measured young. ♀ returned while we were there, and chipped from balcony. Before leaving, saw ♂ come w/ food while ♀ still chipping. Pos. ID'd both.
6/3	1500	JM	Bled & banded 4 th Day 6 young; ♀ & ♂ chipping; ♂ ⊕ Souwhite ⊕ Red came near while I was working on young; ♀ & ♂ chipping, bag noises; ♂ of HTL 56 chased other ♂ away from gallery.
6/08	6:45	MS TK	Fledged - ♂ both male and ♀ in good care. All 4 nestlings ok and well.
7/4/94		ES TK	♂ carryng food to uphill side of service building
7/5/94		EL	♀ seen carryng food - abo ♂ - foggy near ext. bank - service building

NEST LOG SHEET

NEST ID: HTL-57

TREATMENT GROUP: I

MALE BAND #: 940-93219

DATE/STATUS WHEN FOUND: 7/5

COLORS (R) So org o lav

4 nestlings - fledging day

COLORS (L) lav

DATE 1st EGG (indicate if backdated): ~ 6/10

BLOOD SAMPLE # 2306

EGGS LAID (indicate if uncertain): 4

IMPLANT REMOVED (Y/N), DATE: _____

DATE INCUBATION ONSET (indicate if bd): ~ 6/13

FEMALE BAND #: 2121-94056

EXPECTED HATCH DATE: _____

COLORS (R) red

HATCHED, DATE: ~ 6/24

COLORS (L) S o Hbl o white

FLEDGED/FAIL, #, DATE: 4 fledged 7/5

BLOOD SAMPLE # 2506

FEMALE STAYED/LEFT, DATE: _____

LOCATION (GENERAL): HTL - laundry

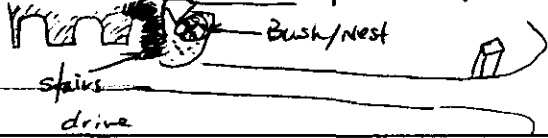
LOCATION (SPECIFIC): On bank 5 ft up from silver tanks next to HTL laundry bldg.

DATE	TIME	INIT	STATUS
7/5	1045	ES	nest w/ 3 young - they looked old enough to fledge ♂ and ♀ id'd - both fed. I returned to lab to get a bucket, net poles etc...
	1110	ES	- no young in nest! grabbed the one fledgling I found set up net and ct both adults, bled ♀ for DNA ♂ taken back to lab for a sperm sample (1130-1215)
	1215	ES	ct a 2nd and 3rd fledgling (all banded and bled) saw a <u>4th</u> fledgling ~ 15 ft up in a huge oak there was no way to catch this one (maybe he fledged yesterday)

NEST LOG SHEET

NEST ID: HTL 58 II
 MALE BAND #: 2131-14364
 COLORS (R) So white + red @
 COLORS (L) dk Bl @
 BLOOD SAMPLE # 2516
 IMPLANT REMOVED (Y/N), DATE: _____
 FEMALE BAND #: UB ^{7/11/94} 216140178
 COLORS (R) white o white
 COLORS (L) red o S
 BLOOD SAMPLE # 2517
 FEMALE STAYED/LEFT, DATE: _____

TREATMENT GROUP: _____
 DATE/STATUS WHEN FOUND: 7/10/94 - nest with
at least 3 ^{nestlings} fledglings - old (~ day 9 or 10)
 DATE 1st EGG (indicate if backdated): ~6/17 (bd)
 # EGGS LAID (indicate if uncertain): 3
 DATE INCUBATION ONSET (indicate if bd): ~6/19 (bd)
 EXPECTED HATCH DATE: _____
 # HATCHED, DATE: 3, 6/30
 FLEDGED/FAIL, #, DATE: 7/11, 3 fledged



LOCATION (GENERAL): Hotel-front
 LOCATION (SPECIFIC): in flower bed on west side of hotel - Nest is in Bush. 1 1/2 ft up

DATE	TIME	INIT	STATUS
7-10-94	1000	ES	Nest located in Bush next to front of hotel - next to stairs (just west - in flower bed) Both parents seen feeding
7/11	0630	TK/ES	Fledging day (day 11) ♂ and ♀ caught - ♂ bled for CBP and DNA, sampled for sperm - ♀ banded + bled CBP, DNA - 3 young (day 11) banded + bled nest constructed of mulch (bark strips) from HTL flower bed, grass cup lined w/ deer hair
7/19	9430	TK	Saw ♀ foraging & feeding fledglings. ♂ Singing front of gallery

FC

HTL 58

NEST LOG SHEET

NEST ID: Hotel Family

TREATMENT GROUP: _____

MALE BAND #: 213114564

DATE/STATUS WHEN FOUND: fledgling

COLORS (R) SO white or red R

6/14

COLORS (L) dk bl-L

DATE 1st EGG (indicate if backdated): ?

BLOOD SAMPLE # _____

EGGS LAID (indicate if uncertain): 2+

IMPLANT REMOVED (Y/N), DATE: _____

DATE INCUBATION ONSET (indicate if bd): ?

FEMALE BAND #: UB

EXPECTED HATCH DATE: -

COLORS (R) _____

HATCHED, DATE: -

COLORS (L) _____

FLEDGED FAIL, #, DATE: 2+

BLOOD SAMPLE # _____

FEMALE STAYED/LEFT, DATE: _____

LOCATION (GENERAL): by new lake cottage + chadron drons ketronit

LOCATION (SPECIFIC): and cords

DATE	TIME	INIT	STATUS
6/14	1945	EK	UB ♀, UB has young fledglings (half tails, feed self, fed by ♀, fly to ♀) ♂ seen but bands not IPD saw glimpses as follows - one band left foot, possibly org on it foot or org & blk ??
6/15	1900	EK	returned found same family, in response to tape 2 ♂ came - one has dk bl on left yet on right other has red only on left - he fluttered his wings in response to tape, very excited please try to IP ♂ with this family so we know his treatment - if possible of course catch ♀.
6/17	2000	EK	Saw SO white or red R dk bl-L feed UB fledgling (see J. mikesell) (soon 5/24 BY JM ON IT 5/13 ABOUT WITH OTHER BIRD NO ID) 5/09 AT RFBARN

NEST LOG SHEET

NEST ID: JT 60 R TREATMENT GROUP: I
 MALE BAND #: 940-93310 DATE/STATUS WHEN FOUND: prob. 2-3 eggs / failed
 COLORS (R) Blk o S o Red
 COLORS (L) Wh / Red DATE 1st EGG (indicate if backdated): ?
 BLOOD SAMPLE # 2189 # EGGS LAID (indicate if uncertain): 2-3?
 IMPLANT REMOVED (Y/N), DATE: _____ DATE INCUBATION ONSET (indicate if bd): ?
 FEMALE BAND #: 940-93709 EXPECTED HATCH DATE: -
 COLORS (R) org o Blk o Lt Bl # HATCHED, DATE: -
 COLORS (L) Lav o S FLEDGED/FAIL, #, DATE: ~5/15, 149.ing?
 BLOOD SAMPLE # 2195
 FEMALE STAYED/LEFT, DATE: _____
 LOCATION (GENERAL): Horse pasture
 LOCATION (SPECIFIC): near far side of horse pasture, near woods

DATE	TIME	INIT	STATUS
5-15-94	9:00	CRC	Nest pulled out of grass; no eggs (probably contained 2-3 eggs based on birds' behavior); ♂ has transmitter <p style="text-align: center;">FAILED</p>
5/17/94	842	JM/JS	attempted to catch ♂ w/lure & tape to remove transmitter. No luck, maybe too windy, didn't see or hear adults. Will try again in pm.
5/19/94	1055	JM/JS	attempted to catch ♂ w/lure, tape & net to remove transmitter. no luck. Tried again ~ 1458 w/lure, tape, & traps. Saw ♂ when setting up. Caught ♀ (1520). Didn't see ♂ again. ♂ still carrying transmitter.
5/20/94	1230 AM	216	Transmitter removed. Both ♂ & ♀ IN WOODS SIGNALTING 830-1130

NEST LOG SHEET

NEST ID: JT 60 TREATMENT GROUP: I

MALE BAND #: 940-93310 DATE/STATUS WHEN FOUND: 4/28/94 Deer hair - lined nest, no eggs.

COLORS (R) Blk o S o Red DATE 1st EGG (indicate if backdated): 4/30/94

COLORS (L) wh/Red # EGGS LAID (indicate if uncertain): 3

BLOOD SAMPLE # 2189 DATE INCUBATION ONSET (indicate if bd): 5/4

IMPLANT REMOVED (Y/N), DATE: _____ EXPECTED HATCH DATE: -

FEMALE BAND #: 940-93709 # HATCHED, DATE: -

COLORS (R) Org o Blk o LtBl FLEDGED/FAIL #, DATE: 5/9 - eggs

COLORS (L) Lav o S

BLOOD SAMPLE # 2195

FEMALE STAYED/LEFT, DATE: _____

LOCATION (GENERAL): JT 30? In bank across from wooden fence where wooden fence ends

LOCATION (SPECIFIC): near OLD TURNPIKE TRAIL sign. Nest under dried leaves & grass. To left of large rock jutting out of bank.

DATE	TIME	INIT	STATUS
4/28	11:25	JM	Saw (R) Org o Blk o Lt. blue (L) Lav o S (A) foraging and (R) S o Red? (L) ? (A) singing from tree in horse pasture at 11:20. (Positive ID on ♀, not on ♂) so I searched area for nest. Tree from which ♂ was singing is @ 40 ft from nest. <u>NOT</u> positive pair belongs to this nest.
4/30	16:30	JM	Checked nest - <u>ONE EGG</u> , no adults seen, heard ♂ singing, couldn't find him.
5/1	13:45	TK	Nest has two eggs - No sign of adults.
5/3	8:41	JM	Nest w/ 2 eggs still. Adults (R) Org o Blk o Lt. blue (L) Lav o S } Foraging together behind fence woods (R) S o Blk/H. blue (L) ? } Confirm? ↑
5/4	14:32	JM	nest w/ 3 eggs. No adults seen.
5/5	10:50	ES	♀ on, did not disturb
5/6	8:05-8:45	JM	♀ not on, not seen; ♂ heard singing from 3 locations in territory, not seen
5-8-94	10:00	CRC	3 cool eggs; no sign of adults
5/9/94	8:37	JM	♀ on, did not disturb; ♂ not seen/heard
5-9-94	15:30	CRC	Caught ♂ and placed transmitter on him; ♀ on nest initially, but went in trap w/ lure shortly before ♂ did.
	18:30	CRC	Returned to fail nest for telemetry, but eggs were already gone; ♀ nearby and still chipping (apparently just happened).
			<u>failed</u>

PC

NEST LOG SHEET

NEST ID: JT 6122 TREATMENT GROUP: C-C
 MALE BAND #: 2131-14385 DATE/STATUS WHEN FOUND: 6/62
 COLORS (R) Southern FULLY LINED, NO EGGS
 COLORS (L) ITGN DATE 1st EGG (Indicate if backdated): 6/03
 BLOOD SAMPLE # _____ # EGGS LAID (Indicate if uncertain): 23
 IMPLANT REMOVED (Y/N), DATE: _____ DATE INCUBATION ONSET (Indicate if bd): 6/07
 FEMALE BAND #: 2131 14105 EXPECTED HATCH DATE: 6/17
 COLORS (R) LTGN # HATCHED, DATE: 3; 6/17
 COLORS (L) SORCERO BLK FLEDGED/FAIL, #, DATE: fledged 2 young 6/28
 BLOOD SAMPLE # _____ ↳ natural fledge.
 FEMALE STAYED/LEFT, DATE: _____

LOCATION (GENERAL): 17 STEPS PAST UJT TAG 14, UNDER ROOT
 LOCATION (SPECIFIC): FLAG LEFT, TIE OVER NEST

DATE	TIME	INIT	STATUS
6/2	0M	ZK	COMPLETELY LINED, AT LEAF IN
6/3	1315	ZK	1 JUNCO EGG
6/4	820	ZK	♀ FLUSHED AS I WALKED BY. 2 JUNCO EGGS
6/7	1607	GG	NO ♀ OR ♂ PRESENT, NEST LOOKS DESTROYED
6/8	1510	ZK	FLUSHED ♀ + JUNCO EGGS.
6/13	1410	GG	♀ ON, NO ♂ NEARBY
6/14	1425	GG	4 EGGS, NO ♂ OR ♀ PRESENT
6/17	1100	GG	4 JUNCO EGGS, PASSED BY EARLIER ♀ ON, NO ♂ NEARBY
6/18	935	GG	♀ CHIPPING, 3 NESTINGS, 1 EGG
6/19	1405	AS	♀ ON
	1410		♀ FLEW OFF, TWO NESTINGS, 1 EGG, ♂ ABSENT; TOOK MEASUREMENTS AND RECORDED
6/20/94	1500	GG	REMOVED UNHATCHED JUNCO EGG, NO DEVELOPMENT. 2 NESTINGS LEFT. ♀ OR ♂ CHIPPING AT ME.
6/24/94	1645	ES/TR	Banded & Bled 2 nestlings - Parents chipped.
6/28/94	1040	TK	Went to set net - Nest empty - young were gone. Looked around and found nothing - Then returned to nest because I heard a male singing. Both parents were near nest and chirped emphatically. I looked for young, but couldn't find them.

NEST LOG SHEET

FC

NEST ID: JT 6/R

TREATMENT GROUP: C-C

MALE BAND #:

DATE/STATUS WHEN FOUND: 5/23/94 complete

COLORS (R)

nest w/ 4 eggs, possibly 1 is CB

COLORS (L)

DATE 1st EGG (indicate if backdated): ?

BLOOD SAMPLE #

EGGS LAID (indicate if uncertain): 4

IMPLANT REMOVED (Y/N), DATE:

DATE INCUBATION ONSET (indicate if bd): ?

FEMALE BAND #:

EXPECTED HATCH DATE: -

COLORS (R)

HATCHED, DATE: -

COLORS (L)

FLEDGED (FAIL) #, DATE: ~5/29 eggs

BLOOD SAMPLE #

FEMALE STAYED/LEFT, DATE:

LOCATION (GENERAL): UJT tag 14

LOCATION (SPECIFIC): 5p. away from tag 14 (toward hotel), in bank on upper side of trail small flag above, large opp. trail

DATE	TIME	INIT	STATUS
5/23/94	1030	JM	Found nest, no adults around; (1051) 2 juncos came in chipping; ♀ @ Hgrn Ⓛ So Red o blk appeared to chase another bird (spp?) away from nest area. Other junco seen @ So wht? Ⓛ?
5/23	926	JM	♀ on, ♂ singing nearby
5/25	0930	MS	4 eggs, warm ♀, ♂ absent
5/27	9:48 / 10:22	GG	♀.45 ♀ on went back at 10:22 - 4 junco eggs ♀ chipping
5/29	807	JM	no eggs, no adults seen at this time; @ 9am saw ♂ @ So wht wht Ⓛ Hgrn ♀ @ Hgrn Ⓛ So red o blk ♂ singing, ♀ foraging at UJT tag 19
			———— failed ————

NEST LOG SHEET

FC

NEST ID: JT 61

TREATMENT GROUP: C-C

MALE BAND #: 8131-14385

DATE/STATUS WHEN FOUND: 4/29/94; Deer hair -

COLORS (R) Sowwhite owhite

lined nest; no eggs,

COLORS (L) Hgrn

DATE 1st EGG (indicate if backdated): 5/2 (not bd)

BLOOD SAMPLE #

EGGS LAID (indicate if uncertain): 4

IMPLANT REMOVED (Y/N), DATE:

DATE INCUBATION ONSET (indicate if bd): ~5/5

FEMALE BAND #: 2131-14105

EXPECTED HATCH DATE: -

COLORS (R) lt. green

HATCHED, DATE: -

COLORS (L) So Red o BIK

FLEDGED (FAIL) #, DATE: EGGS ~ 5/13

BLOOD SAMPLE #

1 CB EGG (removed)

FEMALE STAYED/LEFT, DATE:

LOCATION (GENERAL): (OLD TURNPIKE TRAIL/UPPER JT) JT tag? 15 (UJT/OTT)

LOCATION (SPECIFIC): Nest in bank on upper side of trail; large flag across trail from nest.

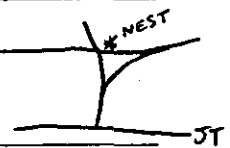
DATE	TIME	INIT	STATUS
4/29	9:06	JM	Nest searching in banks; flushed ♀ off nest, she chirped loudly; I saw another junco that joined ♀ in chirping, couldn't get band combo. Large flag across trail from nest. No small flag.
5/1/94	1350	TU	No eggs - Nest is wet - No adults to be seen or heard.
5/3	7:55	JM	tag 15 UJT; 2 eggs found; adults Ⓟ? Ⓛ So Red? Ⓟ Sowwhite owhite Ⓛ H. green
	8:01		foraging together w UJT/OTT tag 17 ⇒ Confirm?
5/4	1137	JM	4 eggs; cowbird egg?; no adults seen
5/5	1000	ES	-5 eggs; 2 look CB like (dark brown pigment) but are the same size as the other 3 eggs in the nest - no parents seen/heard
5-8-94	10:15	CRC	5 cool eggs; looks like 1 cowbird and 4 junco to me; I will remove cowbird egg tomorrow; no adults seen.
5/9/94	901	JM	I removed cowbird egg; 4 cold junco eggs remaining; no adults seen. (this was a pair of juncos chirping at me w tag 16/17) Didn't see bands.
5/10/94	740	JM	♀ not on; 4 cold eggs; no sign of adults by 8:25
5/11/94	822	JM	" " " " " " ; no sign of adults
5/12	731	JM	" " " " " " " " " "
5/13	835	JM	no adults seen; 4 eggs taken to lab
5/14	1500	JM/JS	♂ brought in w/ tape of LRS, Ⓟ Sowwhite owhite Ⓛ Hgrn; ♀ seen ♀ Ⓟ Hgrn Ⓛ So Red o BIK
5/17/94	? am	JM/JS	♂ Ⓟ Sowow Ⓛ Hgrn & ♀ Ⓟ Hgrn Ⓛ So red o BIK chirping from side of trail w UJT tag 14.

NEST LOG SHEET

NEST ID: JT 62 R2
 MALE BAND #: 2131-14106
 COLORS (R) So Red o Blk
 COLORS (L) DKBI
 BLOOD SAMPLE # 2154
 IMPLANT REMOVED (Y/N), DATE: _____
 FEMALE BAND #: ~~2161-40386~~
 COLORS (R) 3R50
 COLORS (L) BLK O S
 BLOOD SAMPLE # _____
 FEMALE STAYED/LEFT, DATE: _____

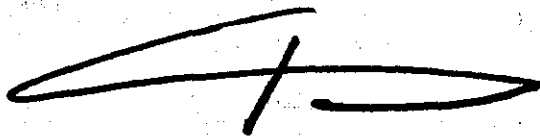
TREATMENT GROUP: I
 DATE/STATUS WHEN FOUND: under construction
 DATE 1st EGG (indicate if backdated): 5/22 (not bd)
 # EGGS LAID (indicate if uncertain): 3
 DATE INCUBATION ONSET (indicate if bd): ~5/25
 EXPECTED HATCH DATE: _____
 # HATCHED, DATE: _____
 FLEDGED/FAIL, #, DATE: failed (6/7)
1 CB egg (removed) UJT

LOCATION (GENERAL): Upper Jungle Trail; just south of spur to JT
 LOCATION (SPECIFIC): ~ 2m S on UJT from JT62; in bank on uphill side of trail



DATE	TIME	INIT	STATUS
5-20-94	14:15	CRC	♀ building; ♂ sitting nearby (has transmitter)
5-22-94	13:30	CRC	^{junco} 1 egg; no adults seen
5-23-94	9:00	CRC	2 junco eggs; 1 cowbird egg; both adults nearby
5/23/94	808	JM	2 junco eggs; 1 CB egg; (B17) saw adults foraging near JT arm fork
5-24-94	9:00	CRC	2 junco eggs, 1 CB egg; adults nearby
5/25	0948	ms	4 eggs; ♀ flushed; ♂ nearby chipping
5/25	956	JM	started tape w/ lure; ♂ & ♀ nearby; ♂ singing; ♂ caught 1029; ♂ brought to lab; Ray removed transmitter; bird returned & released
5/28	1235	ms	2 ♂, did not construct; male absent
	1515		♀ off nest - 4 eggs; ♂ not around
5/30	1000-1200	Z19	REMOVED CB EGG, USE TRAP ^S , LURE. NO LUCK IN CATCHING ♀. CT. ♂ 2131-14911 (NOT IMPLANTED) OTHER ♂ IN AREA
5/30	746	JM	♀ on; (B17) ♀ off, 3 junco eggs, 1 CB egg
6/01	1200-1300	Z19	TRIED TO CATCH ♀ IN TRAP. NO LUCK
6/02	1300-1400	Z19	" " " " " "
6/04	930	Z19	CT ♀ IN NET. BAND OO HOR
6/07	1600	Z19	FAILED HOLE IN BOTTOM OF NEST

THIS ♂ HAS BEEN IN AREA SINCE 5/30 FOLLOW ♀. SINGS A LOT NEAR NEST. I HAVE NEVER SEEN 2131-14106



FC

NEST LOG SHEET

NEST ID: JT 62 R

MALE BAND #: 2931-14106

COLORS (R) So Red o Blk

COLORS (L) DkBl

BLOOD SAMPLE # _____

IMPLANT REMOVED (Y/N), DATE: _____

FEMALE BAND #: _____

COLORS (R) _____

COLORS (L) _____

BLOOD SAMPLE # _____

FEMALE STAYED/LEFT, DATE: _____

TREATMENT GROUP: I

DATE/STATUS WHEN FOUND: 5/14/94; ♀ flushed off 4 eggs

DATE 1st EGG (Indicate if backdated): ?

EGGS LAID (Indicate if uncertain): 4

DATE INCUBATION ONSET (Indicate if bd): ?

EXPECTED HATCH DATE: -

HATCHED, DATE: -

FLEDGED/FAIL, #, DATE: 4 eggs - telemetry 5/16

LOCATION (GENERAL): JT tag? (arm from JT to UJT; near fork of BearCliffs & BK

LOCATION (SPECIFIC): left edge of trail going uphill; branch across opening; small flag above, large opp. trail. (Nest on ground betw. 2 hemlocks)

DATE	TIME	INIT	STATUS
5/14/94	? pm	JS JM	♀ flushed unintentionally; 4 eggs; ♀ small; no ♀ ID; no ♂ seen/heard
5/16/94	735	Jm	♀ on, didn't disturb; ♂ (R) So Red o Blk (L) DkBl (♂ w/ transmitter flew in & perched above nest in hemlock at 7:43. At 7:54, ♀ came off nest; flew toward JT. ♂ followed. Checked nest - 4 eggs. They all have dark brn. spots. Could they all be CB eggs? Someone else maybe should check.
5-16-94	15:00	CRC	Removed 4 junco eggs to recycle birds for telemetry
			<p>FAILED (telemetry)</p> <p>This nest was originally JT65. However I believe JT 62 had failed by time it was found (2 CB eggs/no adults) and this nest was their re-nest. No adults have been seen in the area of either nest except this ♂ & an unbanded ♀.</p>

NEST LOG SHEET

NEST ID: JT 102
 MALE BAND #: 2131-14106
 COLORS (R) So Redo blk
 COLORS (L) DK bl
 BLOOD SAMPLE # 2154
 IMPLANT REMOVED (Y/N), DATE: _____
 FEMALE BAND #: UB
 COLORS (R) _____
 COLORS (L) _____
 BLOOD SAMPLE # _____
 FEMALE STAYED/LEFT, DATE: _____

TREATMENT GROUP: I
 DATE/STATUS WHEN FOUND: 5/11/94 complete nest
w/ 1 junco egg & 1 CB? egg
 DATE 1st EGG (Indicate if backdated): ~5/10 (bd)
 # EGGS LAID (Indicate if uncertain): 1
 DATE INCUBATION ONSET (Indicate if bd): ?
 EXPECTED HATCH DATE: -
 # HATCHED, DATE: -
 FLEDGED/FAIL, #, DATE: 2 CB eggs removed - for Idem.
5/14

LOCATION (GENERAL): UJT/OTT 16 paces past tag 8 (indirection of hotel)
 LOCATION (SPECIFIC): in low bank on upperside of trail; under moss & fern clumps. Small flag on fern above, large flag across trail.

DATE	TIME	INIT	STATUS
5/11/94	900	JM	complete nest w/ 2 eggs, think 1 junco & 1 CB; no adults seen/heard.
5/12/94	720	JM	no adults seen, I think now 1 junco egg replaced w/ CB egg, so now 2 CB eggs in nest, no junco eggs.
5/13/94	840	JM	no adults seen; still 2 eggs, think they are CB eggs.
5/14/94	830	JM JS	no adults seen; still 2 eggs; used lure & tape to attract ♂, 8:59 ♂ ~7ft from lure chipping; UB ♀ also chipping; ♂ counter-singing w/ tape (R) So Redo BIK (L) DK bl, Caught ♂ 9:35, Ray placed transmitter. ♂ released.
5-14-94	16:45	CR	went to take eggs; 2 CB eggs present, but nest lining was messed up; I remove eggs to initiate re-nest for telemetry; this nest may have been inactive for some time.
<p>FAILED _____</p>			
5/16/94		JM	(telemetry) see Nest log JT65 for 5/16/94
5/17/94	1027	JM JS	saw (R) So Redo blk (L) DK bl & UB ♀ foraging near trail @ JT tag 4/5

FC

NEST LOG SHEET

NEST ID: JT63R
 MALE BAND #: 2101-06693
 COLORS (R) So Org o Blk
 COLORS (L) ltbl
 BLOOD SAMPLE # 2148
 IMPLANT REMOVED (Y/N), DATE: _____
 FEMALE BAND #: 940-93234
 COLORS (R) ltgrn/bun
 COLORS (L) So Org o Lav
 BLOOD SAMPLE # 2161
 FEMALE STAYED/LEFT, DATE: _____

TREATMENT GROUP: I
 DATE/STATUS WHEN FOUND: 6/8/94
nest lined w/ grass 1 egg
 DATE 1st EGG (indicate if backdated): 6/8 (not bd)
 # EGGS LAID (indicate if uncertain): 2
 DATE INCUBATION ONSET (indicate if bd): -
 EXPECTED HATCH DATE: -
 # HATCHED, DATE: -
 FLEDGED/FAIL, #, DATE: failed 6/13, laying

LOCATION (GENERAL): ~~JT~~ tag 20
 LOCATION (SPECIFIC): E. side of rd on bank under clump of grass opp of large flag

DATE	TIME	INIT	STATUS
6/8/1	Am	GG	Found nest, Junco chirping. 1 egg
6/9	Am	GG	nest destroyed. Heard ♂ singing, could not id because of mist.
6/11	1110	ms	♀ on
	1125		♀ flushed off 2 eggs by large pickup truck; nest still not completed
	1145		both ♀ ♂ appear; color bands confirmed
6/13	1423	GG	nest failed, no ♂ or ♀ present
6/13			Nest failed
6/13			saw ♀ (I did) at JT tag 16 - came off ground on uphill side - fluffed her feathers but did not chirp - is she looking for a new site?

fc

NEST LOG SHEET

I

NEST ID: JT 63

TREATMENT GROUP: _____

MALE BAND #: 2101-06693

DATE/STATUS WHEN FOUND: 5/12/94 Nest start w/

COLORS (R) So orgo Blk

lot of moss, very deep.

COLORS (L) Hbl

DATE 1st EGG (Indicate if backdated): 5/16

BLOOD SAMPLE # 2148

EGGS LAID (Indicate if uncertain): 2

IMPLANT REMOVED (Y/N), DATE: _____

DATE INCUBATION ONSET (Indicate if bd): -

FEMALE BAND #: _____

EXPECTED HATCH DATE: -

COLORS (R) _____

HATCHED, DATE: -

COLORS (L) _____

FLEDGED/FAIL #, DATE: 5/18, laying

BLOOD SAMPLE # _____

FEMALE STAYED/LEFT, DATE: _____

LOCATION (GENERAL): JT tag ~ 17' (<18)

LOCATION (SPECIFIC): upper side of trail under overhang of fern straw & leaves. Small flag above, large opp. trail.

DATE	TIME	INIT	STATUS
5/12/94	912	JM	Ⓜ Hgrn/brn Ⓛ So Orgolar Ⓠ Ⓡ S? Ⓛ H.bl chipped at me from upper side of trail; walked back few minutes later, found nest & saw Ⓡ Hgrn/brn Ⓛ So Orgolar foraging below trail. <u>Confirm bands</u>
5/13/94	930	JM	Ⓡ JT tag 18/19 saw Ⓡ Hgrn/brn Ⓛ So Orgolar Ⓠ Ⓡ So Orgo BIK Ⓛ Hbl Hgr ?
5/14/94	1541	JM/JS	played LRS tape to Ⓜ Ⓡ; Ⓡ from JT Nest # 61 Ⓡ So white o white Ⓛ Hgrn came in chipping; singing; didn't see ♀.
5/16/94	812	JM	neither adult seen; some of deer-hair lining pulled out; one egg in nest. heard junco chipping nearby
5/17	0930	TK	ct Ⓡ So orgo BIK Ⓛ Hbl by nest - to sample sperm.
5/17/94	1016	JM/JS	2 eggs in nest; Ⓡ BIK o white Ⓛ Hgrn o S foraging above trail @ tag; didn't see other juncos
5/18/94	1105	MS	empty ♀, Ⓡ absent

FAILED

5/17/94 1545 MS Both Ⓡ & ♀ seen flying around before and after tag 19; near ugly orange stump for over an hour. Ⓡnd pr showed up but immediately chased away by Ⓡ So Orgo BIK Ⓛ Hbl

5/19/94 1700 MS both Ⓡ & ♀ around tag 19

5/31/94 1736 JM saw Ⓡ Hgrn/brn Ⓛ So Orgolar foraging JT tag 20

RC

NEST LOG SHEET

NEST ID: JT64R
 MALE BAND #: 2131-14821
 COLORS (R) 50R
 COLORS (L) 1 fm o DK BL
 BLOOD SAMPLE # 2193
 IMPLANT REMOVED (Y/N), DATE: y-7/24/94
 FEMALE BAND #: 2161-40016
 COLORS (R) DK BL
 COLORS (L) WOS
 BLOOD SAMPLE # 2194
 FEMALE STAYED/LEFT, DATE: _____

TREATMENT GROUP: _____
 DATE/STATUS WHEN FOUND: 5/16 nest start
building - deer hair
 DATE 1st EGG (indicate if backdated): NA
 # EGGS LAID (indicate if uncertain): 0
 DATE INCUBATION ONSET (indicate if bd): -
 EXPECTED HATCH DATE: -
 # HATCHED, DATE: -
 FLEDGED/FAIL, #, DATE: failed 5/23 - bridling

LOCATION (GENERAL): JT 23
 LOCATION (SPECIFIC): in bank on upper side of trail, large flag across trail.

DATE	TIME	INIT	STATUS
5/16	am	JM	saw ♂ DK BL & white OS foraging near nest start; nest start now w/ hair lining
5/17	10:12	JM	no eggs; no adults seen
5/23	am	JM	no eggs; " " "
5/27	10:06	GG	no eggs, put green leaf in nest.
5/28	1600	ms	still green leaf in nest; no sign of adult
6/7	1703	GG	green leaf still in, nest <u>Not active!</u>
7/24			♂ ct @ 4:31 ^{4:31} - impls removed

NEST LOG SHEET

I

NEST ID: JT 64

TREATMENT GROUP: _____

MALE BAND #: 2131-14821

DATE/STATUS WHEN FOUND: 5/12/94, Nest start w/ mosses

COLORS (R) So Red

DATE 1st EGG (Indicate if backdated): NA

COLORS (L) Hgrn o Dkbl

EGGS LAID (Indicate if uncertain): 0

BLOOD SAMPLE # 2193

DATE INCUBATION ONSET (Indicate if bd): -

IMPLANT REMOVED (Y/N), DATE: 7/24/94-y

EXPECTED HATCH DATE: -

FEMALE BAND #: 2161-40016

HATCHED, DATE: _____

COLORS (R) Dkbl

FLEDGED/FAIL #, DATE: building ~5/14

COLORS (L) white OS

BLOOD SAMPLE # 2194

FEMALE STAYED/LEFT, DATE: _____

LOCATION (GENERAL): JT 24

LOCATION (SPECIFIC): upper side of trail, top of bank under fallen branch; small flag below, large opp. trail.

DATE	TIME	INIT	STATUS
5/12/94	9:20	JM	saw ♀ (R) Dkbl (L) white OS w/ nest material; ♂ (R) SoRed (L) Hgrn o Dkbl guarding, both chipping. Pos. ID's
5/14/94	? am	JM/JS	nest still not complete; no adults seen
5/16/94	am	JM	no progress on nest; no adults seen; abandoned?
5/17/94	10:10	JM/JS	no progress: no adults seen (could be? pair w/ TK's nest @ tag 23 - w/ green grass & deer hair lining)
5/21/94	15:10	JS	no progress, ♂ & ♀ seen foraging ~ tag 21

FC

NEST LOG SHEET

NEST ID: JT65 TREATMENT GROUP: I
 MALE BAND #: 216140010 DATE/STATUS WHEN FOUND: 4 JUNCO EGGS 1 CB EGG
 COLORS (R) WDS DATE 1st EGG (indicate if backdated): 6/4(BD)
 COLORS (L) LTBL # EGGS LAID (indicate if uncertain): 4
 BLOOD SAMPLE # 2158 DATE INCUBATION ONSET (indicate if bd): 6/9 (bd)
 IMPLANT REMOVED (Y/N), DATE: _____ EXPECTED HATCH DATE: 6/20
 FEMALE BAND #: 213114835 # HATCHED, DATE: 4 on 6/20
 COLORS (R) LTBL FLEDGED/FAIL, #, DATE: 2/28 = 6/30
 COLORS (L) SOR/W OOKBL 1 CB EGG (removed)
 BLOOD SAMPLE # 2294
 FEMALE STAYED/LEFT, DATE: _____
 LOCATION (GENERAL): UST
 LOCATION (SPECIFIC): 26 STEPS PAST TAG 11 IN EAST SIDE FLIGHTS
OVHNEST

DATE	TIME	INIT	STATUS
6/08	1605	Z19	I LOOKED AT THIS NEST FOR SEVERAL DAYS. JM HAD MARKED "A LONG TIME AGO" (5-14 AS START) IT LOOKED FINISHED BUT ABANDONED. TODAY 4 JUNCO EGGS 1 CB EGG (REMOVED)
6/13	1437	66	♀ on, no ♂ nearby, 1449 ♀ off 4 junco eggs no ♂
6/16	1417	62	♀ on, no ♂ nearby
6/17	1536	62	♀ on, no ♂ nearby
6/19	1220	MS	♀ off 4 warm eggs; ♂ absent
6/18	937	62	♀ 279 on, 937 4 junco eggs (cool)
6/21	1626	62	4 nestlings, took meas 1/2 wt. ♂ & ♀ chirping wts for all 4 are in btw. day 1 & day 2, but closer to day 1
6/24	1530	65/TK	Nestlings still in nest.
6/26	1330	65/TK	banded/bled 4 nestlings
6/28	1000	TK	passed by - kids still in nest.
6/30	1645	ZK6	WENT TO SETUP FOR FLIGHTS, CONTENT GONE. DEER MARK REMOVED PARTIALLY PULLED OUT. A FEW NESTLING BODY FEATHERS ON LEAF. <u>TAILED</u>

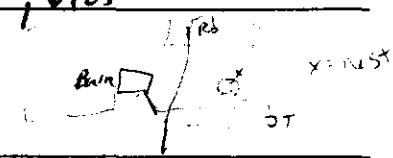
NEST LOG SHEET

AC

NEST ID: HP 17T 10
 MALE BAND #: 2131-14334
 COLORS (R) lav
 COLORS (L) S o DKH/wh
 BLOOD SAMPLE # 2304
 IMPLANT REMOVED (Y/N), DATE: _____
 FEMALE BAND #: 2131-14846
 COLORS (R) S o Red/whit o yel
 COLORS (L) white
 BLOOD SAMPLE # 2473
 FEMALE STAYED/LEFT, DATE: _____

TREATMENT GROUP: I
 DATE/STATUS WHEN FOUND: 6/22/94
2 day 7 old Junco nestlings; 1 COB1; 1 egg
 DATE 1st EGG (indicate if backdated): 5/30/94
 # EGGS LAID (indicate if uncertain): 3
 DATE INCUBATION ONSET (indicate if bd): 6/3/94
 EXPECTED HATCH DATE: 6/15/94
 # HATCHED, DATE: 2 6/15/94
 FLEDGED/FAIL, #, DATE: 1, 6/25

LOCATION (GENERAL): JT South of Horse barn
 LOCATION (SPECIFIC): Under Electric fence - on ground - Small fls on weed above nest - North side of trail



DATE	TIME	INIT	STATUS
6/22/94	1530	ms	Found nest - ♀ of feeding day 7 or 8 - probably 7 nestlings - Quick look inside
6/23	1330	ms	at ♀ & ♂ on nest; Bled ♀ for DNA - COMMENTS OK on ♂. Band colors certain. 2 nestlings Day 8 (9), 1 COB1; and 1 egg. Took egg out. Put two Junco birds in nest. COB1 nearby. EGG NOT DEVELOPED!!
6/25	PM	MS	nest empty
6/26	1350	ES/TK	looked for fledglings around pasture and down hill towards lake. then walked west of nest site in woods - no luck. male sang LRS in tree above nest site
7/1	PM	ms	Saw parents and fledglings - @ least 1 near nest site. Parents chirping.

NEST LOG SHEET

NEST ID: BK 49

TREATMENT GROUP: CC

MALE BAND #: 2131-14984

DATE/STATUS WHEN FOUND: 5/20/94, almost

COLORS (R) Sowhite o Red

Complete w/ some deer hair lining / nest building

COLORS (L) Red

DATE 1st EGG (Indicate if backdated): 5/22 (bd)

BLOOD SAMPLE # -

EGGS LAID (indicate if uncertain): 4

IMPLANT REMOVED (Y/N), DATE: -

DATE INCUBATION ONSET (Indicate if bd): 5/27

FEMALE BAND #: 2161 40416

EXPECTED HATCH DATE: -

COLORS (R) 3 LT BL

HATCHED, DATE: 2, 6/7 1, 6/8

COLORS (L) 0xK o S

FLEDGED/FAIL #, DATE: failed 6/13 (mid nestl.)

BLOOD SAMPLE # 2358

FEMALE STAYED/LEFT, DATE: -

LOCATION (GENERAL): BKR 12 p. up from tag 12

LOCATION (SPECIFIC): Rt side of rd. going uphill; in bank under rock & grass. Small flag above. Large flag across road

DATE	TIME	INIT	STATUS
5/20/94	1022	JM	Saw juncos at intersection of BKR & UJT/OTT. Observed ♀ w/ nest mat. fly toward road; ♂ following. Didn't see where ♀ deposited material. Saw pair foraging, then pair flew off. 10:42 ♀ returns w/ nest mat. ♂ following. Saw ♀ go to nest, pair foraged across rd. Another ♂ heard singing, then confronted ⓐ Sowhite o Red ⓑ Red. (head lowering, tail spread, bag noises) 2nd ♂ flew uphill along BKR. Other pair flew down hill toward hotel.
5/22	1045	JS	ⓐ Sogel o HBI? ⓑ ? couldn't find small flag or nest - ?!
5/23/94	855	JM	2 junco eggs; placed large flag across road; no adults seen.
5/24/94	956	JM	3 junco eggs; one adult chipping nearby → in small striped maple.
5/27/94	1402	JM	♀ not on, 4 cool eggs, one adult chipping nearby
5/27/94	9:10	GG	♀ not on, 4 eggs, no adult present (nearby)
5/28	1330	MS	♀ not on, 3 eggs, one cracked, no adults nearby; cold eggs
6/01	1400	ZIG	CT & BLUE ♀. Will check to see if this nest is active on 6/02.
6/02	1055	MS	3 eggs ♀ chipping nearby
6/02	1730	ZIG	♀ ON. ♂ SINGING TURNPIKE/CONDO TRAIL (100 YARDS FROM BK/TPK)
6/03	1245	ZIG	♀ FLUSHED 3 EGGS.
6/04	890	ZIG	♀ " STILL 3 EGGS
6/7	1526	GG	♀ chip, 2 hatched, 1 egg
6/08	1500	ZIG	♀ OFF, ALL HATCHED.
6/09	1515	ZIG	♀ OFF, CONDO FEELZ.
6/13	7:30	GG	Recorded nestlings for 15 hrs. both ♂ & ♀ feed & chipped at me
6/13	1526	GG	♂ & ♀ chipping, no day 6 nestlings - Nest failed

FL

NEST LOG SHEET

NEST ID: BK 50
 MALE BAND #: 940 93316
 COLORS (R) BK/SoRed
 COLORS (L) Brn/Hgrn
 BLOOD SAMPLE # 2359
 IMPLANT REMOVED (Y/N), DATE: _____

TREATMENT GROUP: CC
 DATE/STATUS WHEN FOUND: 5/31/94 nest w/ ICB egg, 3 junco eggs
 DATE 1st EGG (indicate if backdated): ?
 # EGGS LAID (indicate if uncertain): 3
 DATE INCUBATION ONSET (indicate if bd): ?

FEMALE BAND #: UB
 COLORS (R) _____
 COLORS (L) _____
 BLOOD SAMPLE # _____
 FEMALE STAYED/LEFT, DATE: _____

EXPECTED HATCH DATE: -
 # HATCHED, DATE: -
 FLEDGED (FAIL) #, DATE: 6/09 OK SOONER. eggs
1 UH egg

LOCATION (GENERAL): BK road after 1st bend (above UJT junction)
 LOCATION (SPECIFIC): 10 paces before tag 17, in right bank (going uphill) small flag above, large across

DATE	TIME	INIT	STATUS
5/31/94	pm	JM	♀ flushed just as I saw nest. ♀ & ♂ chirping, 3 junco eggs, ICB egg Removed ICB egg.
6/01	1400	ZK	CT ♂ INTRAP WITH LURE, DID NOT CATCH FEMALE. BLED.
6/02	PM	ZK	TRIED 90 MINUTES WITH LURE INTRAP NO LUCK! 3 JUNCO EGGS
6/15	1025	JS	♀ on, ♂ absent
6/09	1500	ZK	FAILED (NEST INTACT).
			Failed _____

94061
94061

FC

NEST LOG SHEET

NEST ID: BK 51 TREATMENT GROUP: I
 MALE BAND #: 2121 94065? DATE/STATUS WHEN FOUND: 5-01
 COLORS (R) SOLT BLOYEL 3 JUNCO NESTLINGS, 1 CB
 COLORS (L) LT BL DATE 1st EGG (indicate if backdated): ~ 5/16
 BLOOD SAMPLE # 2281 # EGGS LAID (indicate if uncertain): 2
 IMPLANT REMOVED (Y/N), DATE: Y-7/7/94 DATE INCUBATION ONSET (indicate if bd): ~ 5/19
 FEMALE BAND #: 2121 94277 EXPECTED HATCH DATE: -
 COLORS (R) Y/OLX # HATCHED, DATE: 2/4/3
 COLORS (L) SOLAVOLT GRN FLEDGED/FAIL, #, DATE: failed 6/10, late nestl
 BLOOD SAMPLE # 2283
 FEMALE STAYED/LEFT, DATE: _____
 LOCATION (GENERAL): BK ROAD
 LOCATION (SPECIFIC): 19 STEPS BEFORE BK TAG 15, LOW IN BANK

DATE	TIME	INIT	STATUS
6/01/94	1320	ZIG	♀ FLUSHED OFF. 2 DAY 2 NESTLINGS (1 LIGHT, OTHER HEAVY) 1 DEPTO NESTLING & 1 CB NESTLING (REMOVED)
6/02/94	1:500 1545	ZIG	POSITIVE ID ON BOTH ADULTS. 2 NESTLINGS LOOK OK. → FEED 3 TIMES IN PERIOD. ♀ SAID 20 MINUTE FEED ONCE.
6/5	1530	JS	Band & Bleed - 2 nestlings, day 6 - ♀ chipping
6/09	1550	ZIG	SET NET FOR FLEDGING. BOTH ADULTS CHIPPING. COULD SEE AT LEAST ONE NESTLING.
6/10	7: AM	GG	JS - went to fledge nestlings - no nestlings ♂ & ♀ chipped for 5 min then quit. Looked for nestlings for 1 hr.
6/10	4:30	GG MS	went to look for nestlings. Saw ♂ & ♀ 4 times - no chipping from either. MS saw ♂ & ♀ foraging & eating but not carrying anything off. I flushed ♂ & ♀ no chipping. Nestlings gone btw. 4pm 6/9 → 7am 6/10. We covered the area till about 11:30 AM.
6/11	10 AM	GG	went to look for nestlings. ♂ & ♀ seen both flew away no chipping.
7/7			Failed BCTC JT tag - imps removed
7/2	1930	EL	♂ seen feeding at bait site when not ordinarily is between service building & condos