

## 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

NEST ID: STN 75 II

TREATMENT GROUP: I

MALE BAND #: 2161-46017

DATE/STATUS WHEN FOUND: 4 eggs

COLORS (R) W/Silver

COLORS (L) red

DATE 1st EGG (indicate if backdated): 6/4/94

BLOOD SAMPLE # 2202

# EGGS LAID (indicate if uncertain): 4

IMPLANT REMOVED (Y/N), DATE: Y-7/23/94

DATE INCUBATION ONSET (indicate if bd): 6/7/94

FEMALE BAND #: 940-93889

EXPECTED HATCH DATE: unknown

COLORS (R) 1+b1

# HATCHED, DATE: 3, 6/18 ; 1, 6/19

COLORS (L) blk o s = Red

FLEDGED/FAIL, #, DATE: 4 young 6/29

BLOOD SAMPLE # 2211

laing nest on post under laing

FEMALE STAYED/LEFT, DATE: \_\_\_\_\_

LOCATION (GENERAL): STN-laing

Vulcans

LOCATION (SPECIFIC): same nest as before - on second post from rt side (under laing) as you face laing from road.

DATE	TIME	INIT	STATUS
6/10	PM	MCC	Found nest under laing - saw birds ex. ting/entering
6/12	1400	TK	Female not on - didn't check nests. Bush/sunny under laing by nest.
6/10-1630		TK	female on!
6/18	730	JS	♀ on
	1430	"	♀ off 3 young, leery - then ♀ came & chipped while I took meas.
6/19	1635	JS	♀ acc. fled off 4 young - took meas.
6/21	1600	TK	Saw 3 heads - I did not pull any out → perhaps there was a fourth - it was hard for me to get my head <sup>over</sup> under to see. → perhaps there will be four on Day 6. Both parents were chipping
6/24	1412	ES/TK	banded and bled 4 nestlings, ♂ and ♀ chipped
6/27	7AM	GB	Recorded 4 day 9 nestlings, both ♂ & ♀ feed & chip Rec from 7am-830
6/28	1330	ES/TK	Nets all set for tomorrow's fledging, both parents chipped
6/29	0630	ES/TK	Fledging day (day 11) 4 young and both parents cf. measured parents bled for hormones while attempting to
7/6	1002	ES	saw ♂ and ♀ w 2+ fledges WVN tog 4, <sup>Red</sup> East side of
*7/23			♂ ch. traps removed. in 5m

NEST LOG SHEET

FC

NEST ID: STN 75

TREATMENT GROUP: I

MALE BAND #: 2161-40017

DATE/STATUS WHEN FOUND: building

COLORS (R) white o silver

grass

COLORS (L) red-L

DATE 1st EGG (Indicate if backdated): 4/29 (bd)

BLOOD SAMPLE # 2282

# EGGS LAID (Indicate if uncertain): 4

IMPLANT REMOVED (Y/N), DATE: y-7/23/94

DATE INCUBATION ONSET (Indicate if bd): \_\_\_\_\_

FEMALE BAND #: 940-93889

EXPECTED HATCH DATE: 5/13

COLORS (R) 1/bk - R

# HATCHED, DATE: 4 hatched 5/15/94

COLORS (L) black o s o red-L

PLEGGED/FAIL, #, DATE: 5/26 4 fledged

BLOOD SAMPLE # 2211

FEMALE STAYED/LEFT, DATE: \_\_\_\_\_

LOCATION (GENERAL): STN - Laity

LOCATION (SPECIFIC): face Laity, west side, 2nd store pillar from south, on back side, 3' off ground, crawl in to set

DATE	TIME	INIT	STATUS
4/23	1615	ELC	DE/ELC saw ♀ carrying nest material under Laity, found its grass snag - later saw pair bathing in stream south of Burns!
4/24	1800	ELC	nest has hair, is empty. ♀ caught in trap near new dorm, weight 21.8g
4/25	1715	ELC	same as yesterday, for no egg. saw ♀ by boys dorm - she appeared to be about
4/27	700	TK	Caught male at Burns porch - He was caught near cages - imp's ok. ♀ not around.
	1720	EK	no egg
4/30	13:00	ES	2 eggs - no parents detected
5/3/94	1045	JM	4 eggs + cold; no parents seen
5/5/94	1700	ES TK	♀ on, did not disturb
5/8/94	1400	ES	♀ on, didn't disturb
5/10/94	700	TK	♀ on, at ♂ to sample for sperm. ♀ of and on nest throughout the time I was catching male.
5/11/94	1700	EK	♂ eats grass seed at new dorm, west side
5/12	1400	TK	♀ on. Did not disturb.
5/15	11	ES/JS/MS	weighed and measured 4 young (♂ and ♀ clipping)
5	1430	JM/MS	Banded & Bled 4 young ♀/♂ clipping
5/26	622	JM/TK	Fledging - caught ♂ & ♀ bled both, ♂ to lab for sperm not enough hormone blood from ♂, maybe enough from ♀. measured, weighed fledglings (4). at both adults while attempting to deliver food

NEST LOG SHEET

NEST ID: D0145 TREATMENT GROUP: I  
 MALE BAND #: 940-93150 DATE/STATUS WHEN FOUND: 5/4/94 - complete nest  
 COLORS (R) So org. lav/Blk w/ 3 eggs  
 COLORS (L) lt bl DATE 1st EGG (Indicate if backdated): ~4/30  
 BLOOD SAMPLE # 2100 # EGGS LAID (Indicate if uncertain): 3  
 IMPLANT REMOVED (Y/N), DATE: y-7/26/94 DATE INCUBATION ONSET (Indicate if bd): 5/3  
 FEMALE BAND #: 2131-14395 EXPECTED HATCH DATE: 5/15/94 (b.d.)  
 COLORS (R) So w o Blk # HATCHED, DATE: 3 (2 juv; 1 CB) 5/15/94 (b.d.)  
 COLORS (L) lt grn FLEDGED (FAIL) #, DATE: 0 5/21 or so on  
 BLOOD SAMPLE # 2214 1 CB YOUNG REMOVED  
 FEMALE STAYED/LEFT, DATE: \_\_\_\_\_

LOCATION (GENERAL): 20 steps S of WVstag 7 in treefall in Dol's property  
 LOCATION (SPECIFIC): across power cut, follow flagged trail; in middle-left of treefall.

DATE	TIME	INIT	STATUS
5/4/94	1613	TK	Nest found - complete / 3 eggs - no adults seen anywhere.
5/5/94	1410	TK	♀ on 3 eggs; unless eggs are switched ♀ is So w o Blk @ lt grn @ ; ♂ nearby, But I could not get Bands.
5/8/94	1600	TK	♀ on; male not seen / heard
5/11/94	0700	TK	3 uninc eggs. Attempted to catch ♂ for sample. Try again tomorrow. Didn't get ♂'s combination.
6/12	0900	TK	♀ on nest - Tried to catch ♂! no luck.
5/13	0700	TK	♂ ct. for sperm samples. At 940-93150 10m from nest, but saw Ros @ w @ foraging in treefall (♀ on nest) when I returned 940-93150. ♂ of nest is currently uncertain.
5/15	1530	TK	♀ on - didn't disturb.
5/17	1300	TK/MS	weighed young - 2 juv - <span style="border: 1px solid black; padding: 2px;">1 CB</span> DAY 2 young - (one young maybe day!) Mother feeding.
5/18	800-1000	ZIG	WATCHED NEST. ♀ FEMALE, ♂ IN AREA SINGING. REMOVED COUSIN. LATER ♂ FOSTER ATTACKS CHIPMUNKS TWICE
5/21	1400	TK/ES	NESTINGS DEAD! - Well, gone from nest! No sign. Nest NOT ripped out - partial footprints in mud (Raccoon?)  <div style="text-align: center; border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">                     FAILED                 </div>

NEST LOG SHEET

NEST ID: DOL 45R

TREATMENT GROUP: I

MALE BAND #: 940-93150

DATE/STATUS WHEN FOUND: 5/24

COLORS (R) So org o lav/blk

♀ building - moss

COLORS (L) H61

DATE 1st EGG (indicate if backdated): 5/28/94

BLOOD SAMPLE # 2100

# EGGS LAID (indicate if uncertain): 4

IMPLANT REMOVED (Y/N), DATE: Y-7/26/94

DATE INCUBATION ONSET (indicate if bd): 5/31

FEMALE BAND #: 2131-14395

EXPECTED HATCH DATE: 6/11

COLORS (R) So white o blk

# HATCHED, DATE: 3

COLORS (L) H9/n

PLEGGED/FAIL, #, DATE: 3 out, 6/22

BLOOD SAMPLE # 2214

1 infertile egg ONLY ONE DETECTED

FEMALE STAYED/LEFT, DATE: \_\_\_\_\_

LOCATION (GENERAL): WVS tag 15

LOCATION (SPECIFIC): 10 steps before tag 15, ~ 20 m downhill in the center of a treefall

DATE	TIME	INIT	STATUS
5/24	1030	ES	♀ nestbuilding - moss, ♂ perched 2m above nest treefall
5/25	1530	TR	Nest progressed to grass cup → No adults seen/heard - nest/tr set up net to catch ♂ for sperm sample.
5/28	1000	TR	Nest has one egg - No adults seen.
5/30	1010	JS	3 eggs - warm; ♀ chipping
5/31	0900	MS	♀ flushed off 4 eggs; ♂ not around
6/4	0800	JS	4 warm <sup>Junco</sup> eggs, ♀ chipping, ♂ not seen
6/6	1030	JS	4 warm j-eggs, ♀ chipping, ♂ not seen
6/11	1454	JS	♀ acc. flushed off 2 eggs, 2 healthy young (♀ chippy, ♂ absent)
6/12	1500	JS	♀ off 3 young, 1 <u>very</u> light egg <sup>day 0</sup> (what day?) which I'm guessing is infertile (?); 1 young day 0, and 2 day 1
6/13	Am	JS	3 young - 1 infertile egg - ♀ off and chipping
6/14	Am	JS	removed egg
6/16	Am	GG	7-9am recorded nestlings 3 young, ♂ & ♀ present; both feed regularly.
6/17	Am	GG	Bled and banded 3 nestlings - scars present on all birds
6/17	7am	GG	Recorded 3 day 6 nestlings, both ♂ & ♀ present; feed rec from 7-9am

NEST LOG SHEET

NEST ID: DOL45R

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DATE	TIME	INIT	STATUS	INIT
6/20/14	7AM	GG	nest recording 7-830 both ♀'s ♂ feed. Nestlings 3 days	
6/21	1008	JK	Setup net for fledging tomorrow. Saw female feed 3 times in ~ 1/2 hour. - Also accidentally caught ♀ in net. Didn't see ♂ feed.	
6/22	5:50	GG	went to fledge 3 nestlings. Already out, so we chased down one. Didn't see the other two. Caught ♂ only & 1 nestling. No blood for hormones - bad condition. GG looked till 10am for ♀'s. Other 2 nestlings - no luck.	
7/26			♂ ct e wvs tag 12 - implants removed	

PC

NEST LOG SHEET

NEST ID: D01 46 TREATMENT GROUP: I  
 MALE BAND #: 2161-40123 DATE/STATUS WHEN FOUND: 5-19-94 - 3 eggs  
 COLORS (R) RedoS (all juveniles)  
 COLORS (L) yel/Blk DATE 1st EGG (indicate if backdated): ~5/17  
 BLOOD SAMPLE # 2301 # EGGS LAID (indicate if uncertain): 4  
 IMPLANT REMOVED (Y/N), DATE: \_\_\_\_\_ DATE INCUBATION ONSET (indicate if bd): 5/20  
 FEMALE BAND #: 940-93336 EXPECTED HATCH DATE: -  
 ? COLORS (R) Drg/Plk # HATCHED, DATE: 5/21  
 COLORS (L) Blk OS Red FLEDGED/FAIL #, DATE: ~5/25 fail-eggs  
 BLOOD SAMPLE # \_\_\_\_\_  
 FEMALE STAYED/LEFT, DATE: \_\_\_\_\_

LOCATION (GENERAL): D01-Treehouse  
 LOCATION (SPECIFIC): Go down main road - Nest is in treefall by tree house - See large  
flag on Right of road - treefall is flagged - Nest is on side of treefall - family observed

DATE	TIME	INIT	STATUS
5-19-94	1400	TK/ES	Saw ♂/♀ foraging - found nest w/ 3 eggs
5/20	1500	TK	Nest has 4 eggs - ♀ not on but near.
5/25	1000	TK	Nest empty. went to catch ♂, But Nest was empty. No adults could be seen/heard!
5/31			Failed

RC

NEST LOG SHEET

NEST ID: DOL 47

TREATMENT GROUP: I

MALE BAND #: 940-93891

DATE/STATUS WHEN FOUND: 5/28

COLORS (R) UKo S o red

♀ building - deer hair

COLORS (L) Hgin/brn

DATE 1st EGG (indicate if backdated): ~5/30

BLOOD SAMPLE # 2109

# EGGS LAID (indicate if uncertain): 4

IMPLANT REMOVED (Y/N), DATE: y - 7/29/94

DATE INCUBATION ONSET (indicate if bd): ~6/02

FEMALE BAND #: 231-14433

EXPECTED HATCH DATE: ~6/12

COLORS (R) S o dkbl

# HATCHED, DATE: 1 on 6/13; 3 on 6/14

COLORS (L) yel/blk

FLEDGED/FAIL, #, DATE: <= 6/23 at least 1 fledged

BLOOD SAMPLE # 2103

FEMALE STAYED/LEFT, DATE: \_\_\_\_\_

LOCATION (GENERAL): West of DOL main house

LOCATION (SPECIFIC): follow driveway past Dol main house past appliances stop at big green dumpster, from dumpster - nest is ~30m downhill in oppo. side of treefall @ stream

DATE	TIME	INIT	STATUS
5/28	pm	ES	nest partly lined w/ deer hair, no adults seen
6/3	1435	ES	♀ (id'd) flushed off 4 junco eggs, no ♂ seen
6/5	830	JS	♀ on, ♂ absent
6/7	0800	TK	♀ not on, 4 eggs - forgot to check temperature. Abs, ct ♂ for sample.
6/11	1345	JS	♀ on; ♂ absent
	1445		♀ on; ♂ singing; flushed ♀ off 4 junco eggs
6/13	1432	ES	♀ on
	1440	ES	♀ flew off 1 young (day 0), 3 junco eggs
6/14	1700	JS	♀ off 4 junco young day 0/1; then both ♀ chipping
6/19	1430	ES/TK	Banded & Bled 4 junco young. Both parents chipped. ♀ was accidentally flushed off nest.
6/23	1130	ZIG	WONT TO SET UP FOR FLEDGING. EVERYTHING GONE. SOME DEER HAIR PULLED OUT. NO ADULTS IN AREA
6/29	1100	ES/TK	saw ♂ and ♀ chipping ~ 20m south of nest, then saw one fledgling (SOW @ dkbl o org @)
7/6	1027	ES	♂ and ♀ w/ at least one fledgling (unid'd) ~ 20m S. of nest
7/29			♂ ct @ WS tag 4 - imps removed



FC

NEST LOG SHEET

NEST ID: D148

TREATMENT GROUP: ?

MALE BAND #: 7

DATE/STATUS WHEN FOUND: 6/19 - Nest w/

? COLORS (R) \_\_\_\_\_

DATE 1st EGG (Indicate if backdated): 5/31/94 (b.d.)

COLORS (L) \_\_\_\_\_

# EGGS LAID (Indicate if uncertain): 4 (uncertain)

BLOOD SAMPLE # \_\_\_\_\_

DATE INCUBATION ONSET (Indicate if bd): 6/3/94 (b.d.)

IMPLANT REMOVED (Y/N), DATE: \_\_\_\_\_

EXPECTED HATCH DATE: unknown (b.d.)

FEMALE BAND #: UB

COLORS (R) \_\_\_\_\_

# HATCHED, DATE: 2 on 6/14/94; 2 on 6/15 (b.d.)

COLORS (L) \_\_\_\_\_

FLEDGED (FAIL), #, DATE: 2 6/22

BLOOD SAMPLE # \_\_\_\_\_

FEMALE STAYED/LEFT, DATE: \_\_\_\_\_

LOCATION (GENERAL): West of Back house



LOCATION (SPECIFIC): follow road/driveway - till past Back house - follow into "forest"

flagged trail begins - Nest is in small grassy treefall

DATE	TIME	INIT	STATUS
6/19	0900	TK	found nest w/ 4 young. Only weighed two to see what day they were. one was day 5, one was day 4. Altered ♀ off nest.
6/20	1500	TK/ES	Banded & Bled 4 young. ♀ chipped a little → But no ♂ was seen.
6/22	0749	ES	nest empty
			Failed

NEST LOG SHEET

NEST ID: Dol 49 TREATMENT GROUP: ?  
 MALE BAND #: ? DATE/STATUS WHEN FOUND: 7/11 - Nestbuilding  
 COLORS (R) \_\_\_\_\_  
 COLORS (L) \_\_\_\_\_ DATE 1st EGG (indicate if backdated): \_\_\_\_\_  
 BLOOD SAMPLE # \_\_\_\_\_ # EGGS LAID (indicate if uncertain): 3  
 IMPLANT REMOVED (Y/N), DATE: \_\_\_\_\_ DATE INCUBATION ONSET (indicate if bd): \_\_\_\_\_  
 FEMALE BAND #: 2131-14168 EXPECTED HATCH DATE: \_\_\_\_\_  
 COLORS (R) DKBL # HATCHED, DATE: \_\_\_\_\_  
 COLORS (L) Soogo DKBL FLEDGED/FAIL, #, DATE: unknown fate  
 BLOOD SAMPLE # \_\_\_\_\_  
 FEMALE STAYED/LEFT, DATE: \_\_\_\_\_

LOCATION (GENERAL): Dolens stream across from white camper  
 LOCATION (SPECIFIC): follow main Dol road to left up stream - walk up stream past white camper. Nest is in bank on left - small flag above.

DATE	TIME	INIT	STATUS
7/11		TK	♀ found nest building - mosses
7/12		TK	grass stop
7/18	1400	TK	nest has 3 eggs warm, ♀ chirped at me. Later I checked nest - ♀ was incubating. A male was singing in the vicinity - couldn't get band combo.  fate unknown

♀ has not been bled -  
 ♂ is unknown  
 (Dol 49) → Dy 7 31 7th