

This supplemental material supports  
the 1973 PhD dissertation of Walter D. Graul entitled:

“Breeding adaptations of the mountain plover: (*Charadrius montanus*)”

A copy of the dissertation and other documents may be found in the  
University of Minnesota’s Digital Conservancy  
in the [Mountain Plover Research collection](http://hdl.handle.net/11299/169740)  
at <http://hdl.handle.net/11299/169740>

\* - sure  
 \* - very probable  
 ? - think, not sure

1969 - Known sex on nests vs. starting dates

<u>nest</u>	<u>sex</u>	<u>started</u>
1	* ♂	ap. 18
5	* ♂	ap. 21
9	* ♀	ap 20
18	* ♀	ap 29
20	* ♂	before ap 29
22	* ♀	before ap 30
32	* ♂	before May 8
40	* ♂	May 11
41	* ♂	<del>before ap 30</del> ap 30
52	* ♂	May 12
55	? ♀	before May 19
56	* ♂	ap 26
57	* ♀	ap 25
60	* ♀	ap 26
70	* ♀	ap 28

\* - either collection or copulation

\* - courtship, ~~attraction~~  
 prolonged

? - behavior (spooky, etc., coloration)

Summary of 1969, 70, 71, 72

\* 13 ♀'s, 15 ♂'s on nests

\* 3 ♀'s, 5 ♂'s on nests

All are  
definite

1970

Known sex on nests ~~vs~~ starting dates

<u>Nest</u>	<u>sex</u>	<u>started - about</u>
82	♀	May 10
84	♂	May 23
86	♂	May 14
87	♀	May 14
90	♂	May 15

\* sure  
 \* = very probable  
 ? - think, not sure

1971 -

Known sex on nests vs. starting dates

<u>Nest</u>	<u>sex</u>	<u>started</u>
97	* ♀	<del>May 31</del> May 31
99	? ♀	May 5
100	* ♀	May 21
102	? ♀	June 6
103	* ♀	May 9
107	* ♂	June 10
108	* ♂	June 14
109	* ♂	June 3
110	* ♂	June 6
111	? ♀	June 14
112	* ♀	June 12
113	* ♀	June 19

Broods

~~1870~~

32	* ♀	June 11
31	? ♀	June 11
28	? ♀	June 3
26	? ♂	May 29
23	* ♂	May 18
20	? ♀	May 12
19	? ♀	May 10
17	? ♂	May 4
13	* ♀	May 4
12	* ♂	Apr 29
9	* ♂	May 1

brood #

sex

started

known sexes at nests from 1972  
marked birds.

- ① ♀ from 1971 brood 13 - nest started May 4 last year.
- ② ♀ " " nest 101 - nest started May 4
- ③ ♂ " " nest 109 - nest started 3 June
- ④ ♀ " " nest 112 - started 10 June
- ⑤ ♂ " " nest 110 - started 6 June
- ⑥ ♀ " " nest 97 - started 1 June

Total 1972

♂

♀

III

III

prior 13 ♀, 17 ♂

total ~~13~~ 16 ♀; 22 ♂