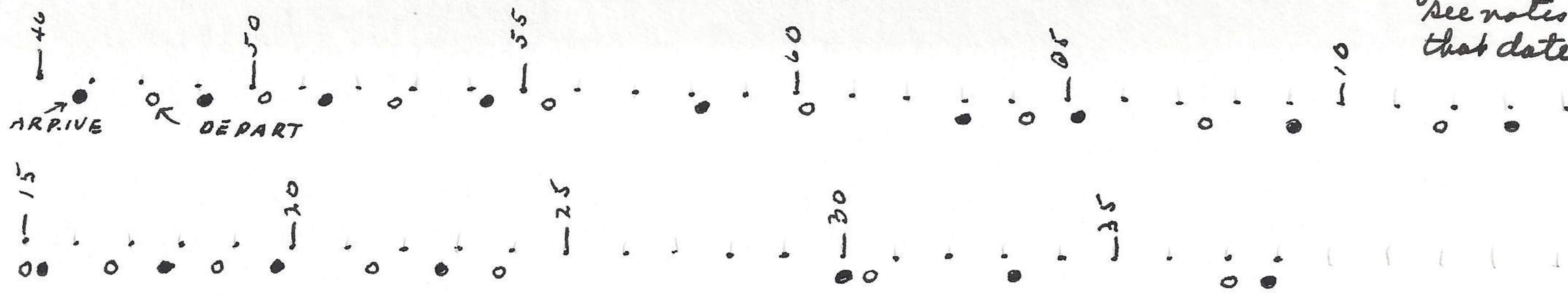


arrival & departure time of ♀ in minutes + seconds: (June 30, 1966)

see notes of
that date.



When ♀ interrupts the periodicity the interruption is a factor of twice or more the normal period. There is as much irregularity of time spent away from the nest as time spent at the nest.

Lone Star Lake, Douglas Co., Kansas

July 6, 1969

Fly fished length of dam from W to E between 10:00 A.M. and 12:00. Day cloudy changing to clear sky. Wind from S & temp about 88°F. Hook a 1/2 size fly. Most catches at approx 1 1/2 feet from shore but some as far as 10' from bank. Measurements as follows:

Lepomis cyanellus (green sunfish) 34 total: Standard length + weight:

79-17	100-37	89-24
84-19	104-36	94-27
112-39	98-29	100-32
100-35	112-42	88-20
99-29	103-47	81-19
97-25	102-39	- 78-15
104-32	111-45	
101-30	103-34	
92-23	96-27	
109-42	93-26	
122-54	93-25	
- 143-86	96-28	
114-43	91-23	

Lepomis macrochirus (bluegill) ③

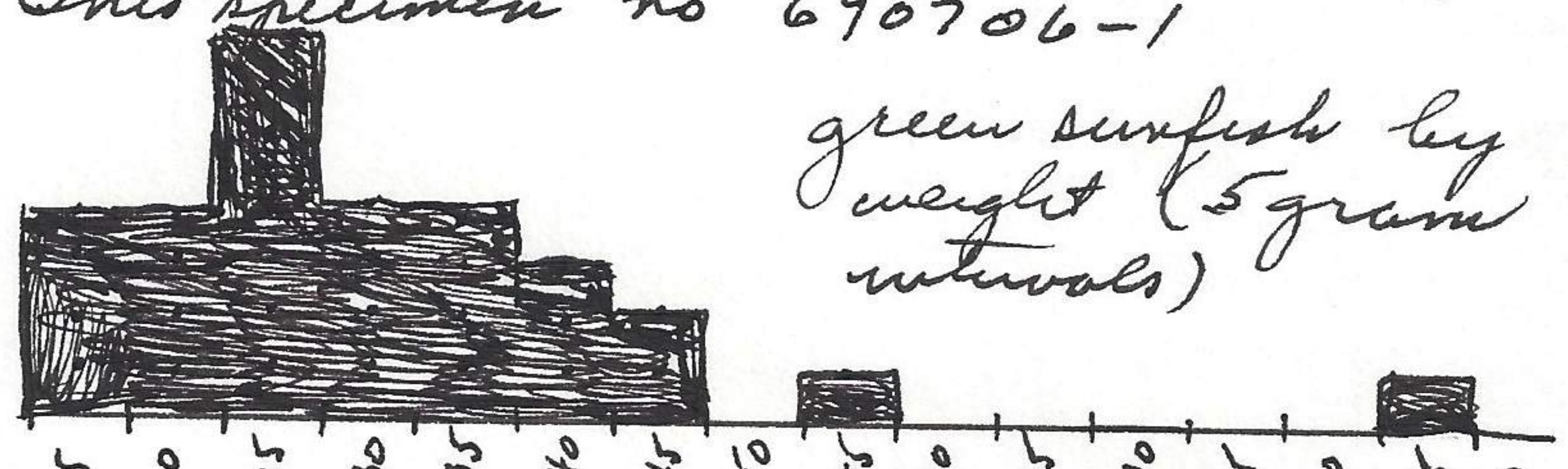
121-58 120-56 122-59

notemigonus crysoleucas (golden shiner) ③

155-45 140-55 155-64 123-45

This specimen no 690706-1

green sunfish by weight (5 gram intervals)



abrupt size scale may be factor of capture ↙ maybe bimodal (♂ versus ♀)

green sunfish by total length (standard)

