

17/7/55

Morning.

weather:- cloudy, overcast sky - drizzling lightly
for sporadically. watered up the

The ground was damp and ~~the~~ only the dried
remnants of stubbles of grass was left. Butea
bushes green. In wetter patches particularly
in the 'valleys' new shoots of grass beginning
to appear. Cultivable plots have been ploughed.
No floricans.

on

18/7/55

morning:-

weather:- rained briefly in the night. Windy
slight drizzle, misty till sun rose above. Cloudy
overcast sky, which later gave way to a brief
burst of sunshine.

Revenue land is noticeably grazed. ~~on the~~
~~the protected plot~~ The ground is bare and stony.
grass stubbles are left but are closely cropped.
In contrast the protected plot looks a golden
field a few ^{inches} ~~cm~~ high. The grass stubbles are
much bigger and the ground is ~~was~~ covered with
~~dead~~ mums and leaves etc all dried.

A greening is seen ~~to be occurring~~ in
close to the base of the grass tufts, in wetter
patches.

Saw eagle owl Bubo bubo
No floricans.

Evening.

weather:- bright sunshine gave ~~rise~~ ^{way} to clouds
a shower and chilly winds.

Did entomology.

saw jackal who crossed the ridge at a fast
walk (jog).

No floricans.

19/7/85 (2)

weather - cloudy morning cleared up sunshine. evening rained briefly. Early night rained briefly.

grass is sprouting all over. Tiny blades emerging giving a greenish to the golden brown colours. on the tracks in more profusion.

Kalle (Chashidan son) saw a female florican today near some sugarcane cultivation was in short grass near water and flew into the crop. will investigate tomorrow onwards.

In sanctuary no floricans.

20/7/85

Weather - cloudy morning - cleared - sunny day night star clear & starry.

visited the Agricultural area ^(Dannod) where the ♀ was reported. Found that the sugar cane was fair tall. Also patches of cultivated guinea grass of varying heights as well as vegetable plots. a cane of varying height & lushness. That florican ^{one} present in the crop fields is quite probable especially if we take into account the reports of ♀s nesting in standing crop. To sight in these fields is a matter of pure chance as within the cane it is impossible.

Evening went into sanctuary much the same as before except that in the wetter patches more grass was sprouting in some places but the ~~brown~~ black earth.

No florican sighted.

21/7/85

~~weather - cloudy morning. cleared into a sunny day. Became cloudy late evening.~~

~~visited Dannod agricultural areas. The sugarcane crop was ranged from knee deep to over ones head. Re cane field from where the ♀ was supposedly flushed~~

stood above head height (2m) and was very dense inside the field. On the bordering 'bunds' grass grew upto 50 cm high. Also in the area were maize crops (standing short) some vegetable plots and patches of cultivated guinea (?) grass. Area seemed ideal for a reticent bird to hide in.

Did not see floricans.

Evening in sanctuary. Ground is dry now and the earth is dryer than before some of the tender shoots (grass) are drying at the tips.

No florican.

→ 22/7/85. weather :- dry windy clear drizzled briefly late evening. cloudy night - initially very still and windless. tracks Did entomology. except for the tracks in which where wetter than the other parks greening seem to have come to a stand still. saw ^{keelback.} ~~praying~~ ^{king} cobra and striped NO florican.

23/7/85. weather :- morning cloudy, cleared into sunny day. cloudy and drizzled late evening.

went to Amba. That Area and enroute to it seem to have had better rain. Many places are quite green with short 1-2cm (?) grass (some cattle were grazing on these patches) Amba itself is more undulating and had none shrubs (and planted eucalyptus)

④

saplings!) than sailana. ~~quite~~ Condition of grass areas same as sailana, but seem to have ~~more~~ had more recent showers. No floricans.

23/47/85.

weather: - Cloudy ^{morning}, sunny during later day, in burst early evening cloudy at end of day.

Sanctuary, has lost ~~most~~ ^{lot} of the greenness it had acquired.

evening found 43 sarus roosting in Govardhan Sagar. No florican.

24/7/85. weather: - cloudy early day, with bursts of sunshine throughout. Drizzled briefly at dusk. 31 sarus at reservoir.

Sanctuary: - No improvement. No florican.

25/7/85

Weather: - Cloudy morning - sunny day - cloudy night rained during night.

In Sanctuary no improvement.

No florican. At reservoir 34 sarus roosting.

26/7/85 Morning: - Rained quite well in night - ^{drizzled in morning}
Around 8.15 a.m. flushed one florican male (adult) near the rivulet just after hut. Landed about 25 mts away still on slope and moved slowly upward to ridge top foraging, occasionally danting and pecking at (eating something). Every now and then standing with head erect and looking around. was not particularly wary and was most of the time in open foraging. reached top of ridge and after walked down into rivulet up ridge and down rivulet. on far side spent some time on slope foraging. When 2 redwattled.

24/7/85

Sarus

Sailana, Govardhan sagar.

Weather: - sunny evening
became cloudy started
drizzling at dusk.

Arrived at Plot 4.10 p.m.

Time:-

Observation

16.45

①

One sarus lands on left of hunting
lodge, well above water mark, on slope
of ridge, walks up towards top.

17.00

②

Second one comes in flying above the
reservoir from the ~~west~~ south west
seemingly saw the first as it curved
downwards at \perp to its path and landed
near the first. Both moved a little and
stood facing opp. direction, on top of ridge.
(Duo - A)

Some Human activity by the water.

5.05

standing about 50 mts apart preening and then
move towards other.

5.15

facing opp directions about 15 mts apart.

5.25

Preening off and on. Quite windy.

5.30

Preening more active. looking up and around every
so often. stretching wing or ruffling feathers
sporadically; Both facing different direction.
Preening together and/or alternately.

5.50

2 more sarus arrive and walk towards water.
1st sarus join them the second walk follows
a little behind. ~~stop at water mark~~ Duo B

384

5.55

stop at water mark. A-1 sarus carries on
further and stops looking behind at the others.
Duo B close together with A-2 some distance
behind & A-1 nearer to water.

6.01

when A-2 reaches 'B' it stops and forages
close by. One of B actively preening / and ruffling
feathers. The other walk forward with A-2 close
behind. B-1 which was preening and then standing
motionless came to B-2 rapidly. A-2 stops a little
behind. B-1 now forward and comes back standing
close to B-2. A-2 about 10 mts away. A-2 from
position nearer water constantly looking back at other B

(2)

6:05- All together Duo A ^{none} apart than Duo B. Also Duo B standing close together 1/2 turned towards each other. Duo A still ~~standing~~ ~~standing~~ facing opp. direction. ~~eventually~~ Preening commences.

6:20 :- A & B take off and leave land near water one of them calling. Another pair C (806) by the water preening one of whom call out loudly and fan wings and raise tail.

6:25 A & B drinking water. C moves towards them ~~standing~~ walking/ ^{foraging} through water.

6:28 2 more pairs arrive a little apart from the left towards water (728) (809)

6:30 A 3rd pair comes in flying low land in between (11+12) the 2 pairs. A squaw from pair behind calls loudly and fans wings. All 6 move towards first group. Join them.

6:32. ^{Another pair} ~~first~~ ^{none} come in flying calling loudly land (13+14) to right of cluster, straight go and drink water.

6:37 Some movement of farm from main group ~~towards~~ away from water. In one pair one bird starts bobbing head and seesawing its body while walking ~~eye~~ interspersed interspersed by fanning out its wings apart but close to body and lifting its tail at the same time bobbing its ~~be~~ head and anterior part. Also stretched its head to the other who also reciprocated by extending neck. (Beak came into contact???) All this was done soundlessly and while walking. The dancer moving faster than the other. After a minute or two they continue walking sedately.

6:40. A large pair moving towards the water, the layer of which is slightly ahead. Of the 2 pairs by the water one from each move away

③

rapidly. ~~These two~~ laye 2 stand by water and call loudly throwing their head back. a fanning wing and lifting tail.

6:44. Do it again. Only the larger of the two fanned & lifted tail.

6:46. One of the above chases away ~~one~~ one towards the larger group. Out of 14 birds 4 are by the water and the rest loosely standing about 30-40 yds in shore. Of the 4 by water, the larger pair stand close to each other and the smaller a little more apart.

6:49:- A pair lands by the 4 near the water. The largest calls and fans wing/tail while another walks towards them. The newcomer pair retreat into the larger group. In the larger group individuals break into call and wing fanning one after the other.

Most birds are preening.

6:53. 2 birds leave main group and start drinking water.

6:55 More birds reach water and start drinking.

7:00 Break up is as :- 4 consisting of ² larger birds to the left. 4 at main group spot (40 yds in shore) and 8 by water. One duo (probably fmt) are noticeably apart. There is movement among the birds.

7:06 17018 2 more arrive and start drinking water.

7:05. A sarn breaks into call/wing/tail. soon as it stops another starts.

7:10. 2 more come in one sarn from shore 17020 does call/wing/tail. Newcomers straight go and drink water.

7.12. 2 sarns jump at each other out-stretched wings and bobbing head, cycling legs at each other. when one gives way the other follows for a step or two bobbing head.

In all 24 sarns all in pairs or 'loose' pairs except 2 who are 60mts apart.

7.18

7.18 2 more arrive flying.

7.19. 3 more arrive flying they land close to a lower who join them. The

7.18

7.18 pair join them and the lower is seen to come out soon and stand a little apart.

7.20. started drizzling. - 6 birds moved above the water mark rest same.

last count. 31 sarns.

25/7/85
sarn.

Sailana
Govardhanagar.

weather: - sunny evening.
became cloudy.

- | Time | observation. |
|------|--|
| 6:15 | A pair come walking from left side stop. One forages around it the other is preening. |
| 6:20 | 3 sarns land on ridge amidst calls 2 do call/wing/tail soon after landing one after the other. |
| 6:22 | 2 none seen on same ridge a little away. A pair land near the pair at water, one of whom does call/wing/tail |
| 6:23 | Amidst calls the 3 on ridge take off and land on overflow rivulet on far side of the wall. Flight was close to the ground just below the ridge on other side |
| 6:25 | Trio take off and land by water soon start drinking. |
| 6:26 | Second pair to reach water start drinking. |
| 6:28 | Trio still drinking. 1st pair forage in water. differentiated from drinking by vertical pecks 2 or 3 times followed by shaking of beak. Drinking involves placing beak in water at an angle and sort of make scooping motion on withdrawal |
| 6:38 | Solitary sarns lands ^{at} near water edge near 1st pair, one of who calls/wing/tails. One more pair arrived further left. |
| 6:40 | sons of more arrivals. |
| 6:41 | Pair arrives and walk to water. (one arrival start drinking. |
| 6:42 | New arrivals start drinking. |
| 6:45 | Pair from ridge reach water and start drinking. |

- 6:48 arrival of another solitary. silent (flight)
- 6:50 out of 15; 8 are preening.
- 6:54 Another lower arrives. no calls. (flight)
- 6:57 Another lower arrives near group of 4. No calls. (flight)
- 7:00 Arrival of pair. A pair on shore call but only one wings/tails - 8 seconds.

Birds are involved in preening; foraging in water/dripping; foraging on land close to water; or inactive.

7:01 New arrivals start dripping.

7:04. Pair^x lands near solitary one and chases it away. Pair nearby call but only one does wing/tail. Pair^x then call but only one does wing/tail. In larger group one does wing/tail/call again new arrivals repeat.

7:07 one more pair arrives. no calls. Straight goes and drinks water.

7:15 ~~Most~~ All the pairs are close together. Except 2 who are alone and away from others.

7:16 one more pair arrive no calls.

7:17. one bird of pair, while both were walking away from water did the bob/seesaw accompanied by wing flapping going down and up on one leg. No sound. probably laster 4-6 seconds.

7:20. 9 preening out of 25.

7:30 2 already roosting. seem to stand on one leg. with neck tucked in but head exposed. one 'wakes up' and starts preening.

7:33 - 3 birds land silently. One of them walks away and is net by 3 others, one of which joins it and then starts moving with it

7:44 2 more arrive amidst call from shore. Also 2 walking toward water from ridge.

7:46 One more pair arrive at water. Others generally inactive.

Evening.

(6)

went to Aamba but the grass condition is the same as the last visit on 21st.

at 6:15 went into sailana sanctuary.

6:35 flushed a male florican. It was on the edge of the cart-track (ridge 2) pressed to the ground with only head and a little whites of the wing exposed. Hidden from ~~every~~ ~~observer~~ observer who was about 50-75 yds away. [Seen by coincidence as was looking at another object when slight head movement showed the position] when moved a little forward to get better view it flew from its hidden spot and landed on top ~~of the ridge~~ the slope just below the top of a ridge beyond a shallow valley, about 250 yds away. Descended another shallow valley and appeared on lower slope of further ridge, ^{on} whose side it walked / foraged upwards.

6:40 foraging stopped by Butea bush and also pecked 2-3 times on ground within the bush. [Head extended forward while feet were just outside the bush.]

6:44 stopped just beside the top of ridge, [probably head was in position to look over] and stood with neck erect and extended. Seemed to be observing its surrounding.

6:45⁺ Started foraging walking downwards, on far side [lost it, as had to circle considerably to reach good observation point]

7:20 Found it again. It had moved about ³⁵⁰⁻ 400 yds parallel to course of rivulet. It was on a ridge which descended at far corner into an ploughed field, far end of which was guinea grass, foraging. It is active moving almost all the time turning this way or that to peck at something on the ground. Sometimes taking a few quick steps to catch 'whatever'

⑦
7:25 foraging. Had descended the ridge on left extreme but turned back along the base before the ploughed land moved about midway and then started moving up ~~and~~ foraging. It seemed to take 4 or 5 steps continuously then a short pause (probably just a ~~breath~~ miss of a step), ~~moving~~ while pecking ~~at something~~ it moved towards object and pecked with its neck stretched quite ahead.

7:30. Head stopped moving and is on a depression (more of a planing out) about $3/4$ up the slope of the ridge. Initially seemed to be behind some stone/earth but after a minute or two was in the open. Close to it on the right is a Butea bush 3-5 ft (?). Could not observe whether it was actively preening or anything. Seemed like its head was tucked behind against back. started ~~raining~~ drizzling.

7:45 So far could not notice much ^{any} movement hence assumed it was roosting, also the ~~dark~~ light was considerably reduced. Returned to Nursery.

29/7/85. Morning. 5:15 - 8:00 a.m.
weather: - Heavy showers in night. Morning rained, cloudy/windy. Reached roosting spot well before dawn. But at light the florican was not where ~~it~~ ~~was~~ was seen last. Obviously had moved away. Also not in the area as searched extensively. (At roosting spot: no feathers or faeces though rain/wind could have washed away both.)

Evening. cloudy drizzled briefly, earlier was sunny. In sanctuary grass was ~~of~~ no florican.

30/7/85

Morning.

Heavy showers in night and morning upto 9 a.m.

10.40 saw a male florican foraging/walking on ridge 4. At approach became alert when I squatted started foraging again. about 250 mts from observation point.

Peck count

10.45 - 10.50 → 19

10.55 - 11.00 → 6.00

at about 10.56/57 started raining. Bird stopped foraging and stood about 1/2 mts from Butea bush initially neck was erect but soon was in curved (s-shape) posture. Occasionally it would ruffle feathers to shake off water. near top of ridge.

11.07 herd of cattle were approaching the florican. ~~was~~ It became alert and started running in crouched manner along the top of ridge but slanting upwards when reached top saw that 2 more floricans (♂) had reached the same point from other ^{side} ~~side~~ slope. First florican rushed at ^{an} other who promptly took to flight & landed on ridge 5. Re other two on ridge 4 moved over top of ridge out of sight. Rain eased off into drizzle.

11.20 2 floricans on ridge 5 one on top of slope ridge and other about 1/2 way down on slope. 75 - 100 mts from each other. One on top foraging more actively than one on slope.

(9)

11.25 Rain becomes more persistent. One on slope takes ~~re~~ shelter very close to Butea. Can't see the other hence presumed the same.

11.30 stopped raining. Florican on slope started walking and is seen to be disturbed. Many cattle and graziers are in the area and have converged on near slope of ridge 6, on ridge 5 & 4 and some moving to ridge 3.

11.34 one florican takes to flight (from ridge 5) lands on ridge 6 on far side of Govardansagar, soon lost to eye. flew about 500-700 mts.

11.37 another takes to flight ~~and~~ (probably from ridge 4/5) and lands near the reservoir (500 mts away) on slope of ridge. Also lost to eye.

((Re 3rd florican was seen only for that brief moment on top of ridge 4 at 11.20 after did not see it))

12.00 left the area

Evening:-

Weather - clear ~~for~~ dry for most of day.

In sanctuary:- The grass seem to be growing as you look at it some places the earth can't be seen.

In area where floricans were seen no sightings upto 5.30 p.m. Between ~~6.30~~ 6.30 - 7.30 no sightings in ridges 1-2.

31/7/55

Morning. Heavy rain throughout.

In sanctuary no sightings.

Evening

Stopped raining about 3.00 p.m.

4.20 ♂ on ridge 3. foraging.

Peck count 4.25 - 4.30 = 26

(lost to eye as went over ~~slope~~ top of ridge to far side)

~~4.49~~ flushed by pt

4.49 flushed by 2 fishermen landed on ridge - 6 on lower part of slope.

4.52. Pecking actively at one spot.

Peck count 4.55 - 4.57 = 18

4.56 started drizzling.

4.57 ran behind pile of gravel / butea took shelter.

5.01 drizzle dies out. windy. few drops (intermittent sporadically)

5.05 ruffled feathers, then drew head back into shoulders few moments later foraging.

5.08. stopped behind butea. ruffled feathers. withdrew head into shoulders.

5.10 Foraging again around 5.08 spot.

5.12 back in 5.08 spot ruffled feathers, and withdrew head into shoulders.

5.13 drizzling.

5.15 started foraging.

Peck count 5.17 - 5.19 = 10.

5.19. Behind butea. ruffled feathers. wind / drizzle stops.

5.22. drizzle dies. started foraging.

Peck count 5.23 - 5.28 = 12.

(reaches top of ridge)

RINGING

13.9.84

6 Birds ringed

14.9.84

0

(11)

5:30:- Another male appears on top of ridge about 30 mts away. For a few moments both seemed oblivious to the other and were inactive / foraging. Then one chased / ran behind the other, who ran ahead, down hill. This went on for about 10 minutes, dodging inbetween Butea, stopping to grab a bite of some insect ~~the~~ flushed by their movement. A distance of about 20-30 mts was always between them if not none sometimes.

5:40:- Re distance increased and the one behind ~~lost sight of the~~ seemed to lose sight of the other as it stopped looked this way and that. The other carried on downhill, diagonally across a spur. The 'chaser' moved along the same spur uphill and from a higher point was seen looking around (?) The other crossed the spur (foraging) and appeared on the other side.

5:45. Re one on top seemed to have seen it for the chase began again and both ran along the lower part of slope upstream. ~~lost sight of them.~~

5:50* Passed 2 sarus (distance about 50 mts) who were further up the slope.

6:20 sighted one again. Foraging. It had come along the base of some ridge got hidden by curve of rivulet and had come out top of ridge much further up, close to Babul(?) tree. No sign of the other.

(12)
Peck count 6:25 - 6:30 = 26

lost sight.

7:00. Regained sight it was in water cutout
outside of ridge. Foraging.

~~For~~ Peck count 7:02 - 7:07 = 27

7:07 \leftrightarrow 7:25 (c) foraged slowly upward of ridge
lingered for ~~the~~ some time on top <sup>(also pecked actively
and noised at one spot)</sup>
over to far ~~west~~ side. when circled to locate
its roosting spot could not find it. &
left when too dark to see.

Notes

today saw that when it burst into a 'sprint'
~~away from~~ while foraging it was chasing a grasshopper.
This was seen thrice. Once it followed it (grasshopper)
running at a right angle to the ridge as grasshopper kept
jumping. Florican lost it.

when pecking actively at one spot, it would,
as it withdrew beak from ground, shake - whatever
it had picked up as though to remove the mud.

on both occasions seen ~~of~~ today, the ~~usual~~ spot
seemed to be of dug mud, (probably a
spot where the villagers uprooted the Butea roots
for making rope. ??) ((or was it an anthill?))

[Post script for 30th observation]

at one point a 'flock' of crows flew above and
around the florican close to the ground. Apart
~~far~~ from watching the nearest ~~three~~ crows there
was no attempt to hide or run.

1/8/85

(13)

Morning:-

weather:- misty. slight drizzle. Rained in the night.

7.40 One male florican on ridge - 3 foraging.

^{7.46}
Peck count 7.45 - 7.50 = 129

[3 minutes rapid pecking at one spot [later saw that many winged ants, black in colour were swarming at ~~at~~ many spots copulating] 1 minute at another and 1 minute walking/foraging]

8.00. foraging.

8.05. pecking at one spot. when crow flew near it stopped and watched it when it landed about 4m away it walked away, leisurely from the spot, stopped by butter bush and stood with neck erect. when crow flew away started moving back to same spot but 3/4 distance to spot seemed to get diverted by some insect (grasshopper?) as it scurried after it.

(Foraging)

Peck count 8.20 - 8.25 = 21

not clear up, warming up becoming humid great nos. of flies and winged ants

8.35 saw another male on further ridge (4) foraging on top slightly down slope towards ridge (3)

(cattle arriving from govandhan pura side)

8.45 Both foraging. Second is on lower slope of ridge 3.

8.55 1st florican moved to lower slope of ridge by walking up along water cut out. Second out of sight

probably moved down ⁽¹⁴⁾ on ^{far side} ~~further~~ slope.

Peck count 9.05 - 9.10 = 48

(Bird is tending to walk more slowly and leisurely. Re-
active walking & running is not observed. Spends more
time and slower pecks at individual spots.)

Sun begins to come through.

9.15 foraging.

9.20 Had moved to top of ridge 4. This part has
a greater proliferation of Butea bushes, close to each
other with smallish patches of grass in between. In
one such patch (encircled by butea) became inactive

9.25 preened for a few moments

9.28 Clouds up again. Ruffled feathers and also pecking
sporadically in ground around it.

9.30. Sat down ^{the} on ground with head withdrawn into
shoulder. Is well camouflaged, to one who has
not seen the position would be very difficult to
spot.

9.35. drizzled briefly.

9.40. sunny again, clearing up, light breeze.
♂ stood up and started preening.

9.45 Clouded up.

Stopped preening stood in same position for a few
moments then started walking/foraging.

9.55. walking | foraging.

☀️ clears up strong sun, bright sun.

10:00 walking / foraging.

10:05 lost to eye behind batea / ridge top

Herd of cattle coming from (towards) sailana have reached ridge 4 some about 50m from spot where last seen.

10:15 cattle all over

left field 10:20.

10:40 while coming back met some cowherds on ridge

2 who said they saw a ♂ in same patch as the one on 26th. Could not confirm. Probably disturbed by the cattle and moved away.

Notes

Between 8:35 & 8:55 The 2 males ~~where~~ were on ridges 3 & 4 one on top one on lower slope. Both well within sight of each other and not more than 100-125 m apart at times even closer, but they just ignored each other presence and carried on their own activities. Re same time the Bird from ridge 3 crossed to ridge 4 the other had moved out of sight probably down slope towards ridge 5.

Evening!

Strong sun humid day throughout heavy showers around 8:15 p.m.

2/8/85

Morning:-

Weather:- Major part of night no rain. Morning cleared up around 9 a.m. Heavy rains around 12:00 - 1:00 noon. cloudy.

7:30 ♂ on Ridge 3 same area as seen in yesterday. foraging.

7:45-7:50 Peck count = 16.

♂ used to forage briefly then stand and look all around with head erect, then carry on only to repeat.

8:00:- stood for 2-3 minutes by buted close to top of ridge then suddenly burst into a display jump and immediately walked away. stopped looked around and carried on.

8:05 Foraging about 60mts from where it displayed. Again stood for long moments standing and looking around then chased an insect.

8:15. Foraging.

Peckcount 8:17 - 8:20 = 16

when heard

8:30 Foraging crossed rivulet still on ridge 3.

8:32 stopped by butea bush. surveyed the area.

8:35 ran in pursuit of insect. stopped looked around and carried on.

8:45 Another male ^(II) appeared on the same ridge about 50-60 mts away on lower slope (probably arrived from ridge 4).

8:48 Male (II) crossed rivulet and climbed smaller part of

ridge 3 reached top distance between them about 100-125 mbs. at least.

8:53 ~~Male I~~ male I seemed to see it for it started coming in a hurry towards Male II. Crosses rivulet climbs up ridge from far side (out of sight)

8:55. Male I ~~came~~ comes on top of ridge about 25 mts from ~~between~~ ^{Male II,} who promptly runs down slope taking an occasional peck on way down. Crossed the same rivulet. Male I took a few tentative steps after it but stopped and looked around.

9:00 Both foraging. distance ~~between~~ between them now about 150 metres.

9:05 Male one sat behind some tufts ^{of grass} on the ground. only head is visible, which is extended and looking around. (similar to nesting Bustard about together from 17)
(cattle begin to arrive) lost sight of Male II.

9:08 Sun comes out. Same position occasionally whiter on shoulders can be seen.

9:12. Got up and ran and caught an insect. Ren walking/foraging.

9:15. stood by Butea looking around. Ren started foraging.

9:20. walking foraging down slope.

9:25. Pair of Saxus came to within 25-30 mts of it. ♂ leisurely walked/foraged away via water cutout lost to eye. (chased o.p.)

- 9.35 preened for a few moments. Cattle on top of ridge. Florican about 1/2 way up. 75-100 mts if not less from them. stood facing the cattle.
- 9.37. walked / foraged seemingly indifferently away from them.
- ~~9.45~~ 9.45 stopped then stretched and flapped wings. Then suddenly leaped forward 1/2 to 1 mts. Promptly resumed kaedi foraging.
- 9.53 walking / foraging down slope.
- 9.55 Crossed waterway onto ridge 3 main part.
- 10.00 man scurried away as man was walking on cart track. lost to eye around ^{curve} bend of ridge 3.
- 10.05 Male II ^{appeared} standing just above rivulet on ridge 4. stood for some time then descended into the stream bed walked downstream about 5-6 mts (rocky sides, only top of head is visible) and then climbed out onto ridge 3. It foraged just above the bank.
- 10.20. Foraging and climbing up and down the steep rocky bank (indulging in mountaineering)
- 10.22 Both florican seen again on either side of cart track. about 30-35 mts apart. Male II ran downstream along the bank, but Male I climbed up ridge towards cart track.
- 10.25. 2 villagers. coming down along the cart track. Male I hides by pressing itself to ground in small depression (similar to 25th evening) but took to flight, when they were about 50 mts away, and landed opp.

observation point on ⁽¹⁹⁾ ~~same~~ ridge 3 small part.
flight of about 100m. The ^{Male II} ~~other~~ kept on running
down stream along the bank, lost to eye as it turns along
the curve.

10:32 Male II returns via the stream bed about 50-75
mts. from Male I. started foraging on the stream
Bed actively, while male I is on top of the ridge
also foraging but indifferently. Don't seem to have seen
each other.

10:40. Male II foraging at and around the same spot on
stream bed. Male I moving upwards and towards
reservoir gradually. Cattle moving in from sailana direction.

10:45 strong sun clearing up

10:48 Male I moving down to stream bed. lost to eye.

10:52. Male II also starts moving towards Reservoir
along bank.

10:55 Both lost to eye.

11:05 Returned to nursery.

Notes

Earlier in the day about 7:50-8:30 many large grey
babbler in area, who suddenly used to call loudly.
On hearing these calls florican seemed to stop its
activity and stood with neck erect and seemed to look
all around before resuming activity.

Male I who did the jump and also the chasing was
foraging and walking more indifferently in contrast to
the continuous activity of Male II. Male I spent many
long moments standing and looking all around.

3/8/85. (21)

Weather: Raining through morning. cleared around 1 rain in afternoon and night. Clear evening diffused sun.

- 12-20 still raining. saw ♂ florican running from one Butea to another. Took shelter behind it keeping Bush between it and slant of rain. shook out feathers. On Ridge 3 small part.
- 12-30 same position
- 12-43 Moves out. Rain abated a little. Foraging.
- 12-44 Back by another Butea bush taking shelter. Has fluffed up its feathers.
- 12-45 starts moving down slope of far side. (towards Ridge 3 main part)
- 12-47 foraging on ridge 3 main part.
- 12-52 Foraging slowly. Rain stops
- 12-55 stopped by butea. shook out feathers. resumed foraging.
- 1:00 foraging. (saw a fox.)
- 1:15 foraging.
- 1:16 Took to flight by jumping in the air (directly) and landed 2-3 mts away. Heard rattling sound landed just on below top on far slope (out of sight)
- 1:25 seen on ridge 4. (cowherd - "apparently it took to flight and landed on ridge 4 where it started running away from cowherd and then we also when I reached by him.") 2 dogs were passed close to where I last saw it. Reason?}
- 1:30 foraging / walking.
lost to eye saw it briefly once or twice nearby in direction of ridge 3.
- 2:20 Preening by Butea. A. M. H.

- (2)
- 2:32 foraged for few minutes moments.
- 2:40 standing by Butea
- 2:44 Foraging
- 2:45 Running and jumping behind an insect, from the way it is zigzagging probably a grass hopper. Pen went and stood behind butea
- ~~2:50~~ ~~foraging~~ ~~pen~~ ~~and~~ ~~stood~~ ~~by~~ ~~the~~ ~~Butea~~ ~~(where~~
it ^{had} ~~preened~~)
- 2:55. Same position. Only head visible. seen to be looking all around. occasionally withdrawing head but immediately telescoping it up and looking ahead.
- 3:00 came and stood by Butea 2-3 mts away.
- 3:02 came to ~~original~~ 2:55 Bush.
- 3:05 Drizzling lightly off and on.
- 3:35 seen foraging on lower slope of same ridge below where it was resting.
- 3:42 standing there behind Butea
- 3:43 Another ♂ appears on top of ridge, moving down diagonally. 1st male also starts moving.
- 3:45 Male on top seems to see 1st male as it turns and comes towards it. ~~sees~~ 1st male moving further down slope, out of sight.
- 3:55. Started raining ~~star~~ strongly. Male which was in open ran and stood behind butea.
- 3:58 rain stops
- 4:00 started foraging
- 4:03 ~~second~~ ^{1st} male appears on top of ridgelet in front of 2nd male distance about 75 mts
- 4:06 Both on same ridge now, one on upper slope one on lower slope both foraging
- 4:10 Both foraging now about 50 mts apart. One above one below on slope
- 4:12 Both standing still and looking around.
- 4:14 Bird on top starts foraging. preening.

- 4.15 Both start foraging again. Passed within 25 mts of from each other. Not interested in the other vice versa.
- 4.18 foraging in opp directions about 75-100 mts apart.
- 4.20 well apart.
- Peck count 4.25-4.30 = 20
- 4.35 Male from below moving up the ridge to top where the other is. Both foraging.
- 4.50 Both foraging 20-30 mts from each other
- 4.54 Foraging have come to within 10 mts of each other. No reaction at all and both ~~are~~ foraging actively.
- 4.55 standing on top of ridge looking all around.
- 5.03 looking around / foraging.
- 5.20 lost sight of them seem to have walked down far side towards ridge - 2. // Rain stopped a little while back completely
- 5.30 one male on top of ridge ~~4~~ on a flatish part. Standing looking all around. Then ran forward (probably for insect) and then walked, stopped and looked all around.
- 5.32 walked, took a peck then looked around. Did a full circle looking around. plumes perpendicular to head.
- 5.34 Did a display jump exposing whites of wings. On landing looked all around, started preening, loud rattling sound. First jump of the day as have not heard the sound previously.
- 5.40 rotated in a pivoting manner (as though it is gliding) Plumes erect. Did a Display jump. loud rattle.
- 5.41 Display jump
- 5.43 Display jump
- 5.45 preening.
- 5.48 Display jump :- Just before jumping it crouched and swung half around and with stretched neck parallel to ground. Came back to standing posture and clipped

(2)

its head down brought it up dipped again and as it was bringing it up jumped. Re whole in a fluid motion.

5.53. (In between last 5.45 and now 2 jumps)

Did the crouching pivoting in a semicircular form arc and back again in ^{the} same manner and then so facing same direction as when it started pivoting and then jumped.

5.56 walked across ridge top as though to see on other side (ridge 5+6)

6.00 standing looking around one or two slow steps.

6.01 started walking away slowly foraging.

Weather:- cloudy but sun diffusing through, so quite bright

6.07 low about 75-100mts from where it was jumping. did a jump and walked away.

6.10 About 30mts away [↗] did a jump. soon after chased and caught an insect.

6.13. Ran some distance stopped (about 20mts away) did a jump and then looked around.

6.17. Running short distances 3-5mts and stopping and looking around, down slope.

6.20 started foraging

6.25 crossed rivulet between ridges 3+4 now on ridge 3 small part. climbing up, occasionally pecking here and there.

6.45. very Heavy rains.

6.58 stopped. Florican is moving around.

7.02. very Heavy rain

7.06 Can see the florican standing at one spot in the open (at least 7-10mts from nearest Bush). is on the slope about $\frac{4}{3}$ way $\frac{1}{3}$ up where it even.

- out a little. Inactive with head tucked in shoulder.
- 7:10. H Strong winds. Sharp drizzle same position/posture.
- 7:20 Same conditions. Same position.
- 7:30 Same condition. Same posture.
left field.

Notes.

Between 3:05 and 3:35 Kaku Brough lunch which I ate had by riverlet between 3 & 4. He walked to other side of 4 where he flushed a florican which flew and landed on 5 or 6. When I returned for dinner he tells me it was a female (cursed him soundly for not telling me there). It's that why the male displayed? While returning he saw a male in the same area where I saw on 26th and the Cowbirds on a later date.

Uptill 3:30 p.m. there were more than 250 heads of cattle on ridges 4, 5, 6. I found that the floricans were more restless and observations were interspersed with longish bouts of 'out of sight'.

4/8/85 Morning.

- 5:45. Dawn in ~~the~~ Night is breaking.
- 6:00 Light. Cloudy windy with sharp drizzle. Florican not where it was seen last at Night. Ba No feathers or ~~scat.~~ faeces.
- ↓
scoured ridges 4, 5, & 6 but no sightings
- 7:00 on ridge 4 flushed a male into flight when I was about 50mts from it. Hiding behind Butea on same area as where the male was displaying last night evening. Flew, landed some 300-400mts away on Ridge 3 main part.

7.05 (am now sitting by cant track (ridge 3 mainpat))
Florican at base of slope on ridge 3 mainpat about
to come up ridge ^{3 smallpat.} (when I got up to look for it). Stopped
looked at me and then started climbing back up
slope towards top

7.08 Kook standing ^{on side of} behind Butea looking at observation
point

7.18 Behind same Butea looking at observation point

7.20 (came sat on ridge 3 mainpat a little away). Bird
in same position.

7.25 In the same ^{place} position came to side of Butea
and stood close to it. 2 crows flew overhead
low. Florican suddenly scooted behind the bush.

7.28 Started foraging, but spent long moments looking
around

7.30 foraging moving up slope

7.45 Foraging

8.30 Foraging in same area (Had gone for round)

8.34 : Bird feeding on rim of depression alerted by my presence walked up slope a little and stood behind bush
Man walking on track called out to me etc.

Bird in stood Behind bush. Alerted to my way
and Man's presence. Florican looking at me
& at the man (He carried on) for repeatedly.

taking occasional pecks

(cattle arriving from Govardhampura

8.38 stretched flapped wings shook off feathers.

8.40 came running out ~~and~~, chasing an insect
carried on walking / foraging.

8.45 walking / foraging down slope

8.47 crossing water-way, foraged for a short moment

8.50 Chill winds abate sun coming through.

8.53 snow on top of ridge 3 small part

(27)

- Foraging indifferently facing / moving towards ridge 4
- 8.55 On top of ridge looking all around, foraged. Stopped
looked all around.
- 9.00 Same place, closer to Batea bush. standing looking
all around.
Brought its head into shoulder then it would suddenly
look all around. Did this 2-3 times.
- 9.06 looked ~~up~~ up and around and displayed. landed
looking all around. About 75 mts from observation point
- 9.10 Ruffled out feathers. Crouched with posterior
tipped in the air, wings half stretched (and
with compressed energy) hopping (rabbit) hopping 1-1.5
mts. Stopped ruffled out feathers and again started
hopping. One hop more strong and landed 3-4
mts away from Bush. Started moving, stopped behind
another Bush looking all around.
- 9.14. Woman walking on track, Kalu coming from Ridge
2 direction with Break fast, along depression valley.
Bird crouched and in such manner turned and
looked at Kalu then pivoted and looked at woman
and then started running in a hiding manner ~~and~~
down slope towards ridge 4.
- 9.15 out of sight.
- 9.20 Cattle are now on ridges 6, 5 & 6 and moving onto
Ridge 4.
- 9.25 can't see florican.
left field.
- Cleared up sunshine brief drizzles 12.10 rain
cleared up 1.00 some cloudy windy.

Notes

Today so far whenever approached the bird was able to do so unobtrusively. Today when I saw it was about 40-50 mts away and cooing directly to it, and hence took to flight. Second time the Man on track alerted it to his ~~and my~~ approach and ~~my~~ my position. Felt that if one did not unusually alarm it normal activity was carried on soon after that initial awareness, or as in today's case did not move far away but stood in full sight about 75-100 mts away watching observer for lengthy intervals.

Florican chowkidar: Bern, of Aamba sheepar came and said that in Sheepar he saw a ♂ and a ♀, ~~♂ was foraging~~ yesterday around 6 p.m. male was foraging. ♀ was flushed by him ~~from~~ from behind a Butea bush when he came close to it.

Evening :-

- 4.25 no florican around morning observation point
 4.35 Heavy shower
 4.40 clears up sunshine
 5.20 Strong drizzle
 5.25 clears up
 5.30 2 males foraging on Ridge - 3 small part on either side of a water cutout about 75 mts apart from each other. Male I on left is actively foraging, Male II on right foraging indifferently. Spending long moments at particular spots and looking all around
 5.38 started running towards vertical cart track flushed

a covey of sandgrouse which erupted from the ground simultaneously all around it. Florican stopped watched them take off and fly away by turning its head.

5.42 Male II standing by bush looking around. Male I foraging.

5.48 Both foraging.

5.50 Male II foraging/walking reaches cart track close to ear track about 25-30mts. woman walking on it reaches about 30mts from florican when ♂ II realises ~~he~~ sees her and starts running ~~down~~ away from track. About 40mts while running ~~he~~ looked back realises she's carried on and eased into a walk stopped pecked for a few moments.

5.54 started running/walking/foraging towards cart track, crosses it. ~~starts~~ moving towards spot where I saw display this morning. Male I out of sight.

6.01 Foraging about 75mts from big track, man walking past. Foraging in open, stops watching him half turn as though following his progress and resumes feeding.

6.04 standing in depression looking around. only neck above visible

6.05 Took few steps, stopped looked around. Repeated.

6.06. People on track. Hid in depression and was completely hidden, the moment they passed got up and came out stood looking around.

6.11 started foraging.

6.20. long bouts of foraging. in between standing and looking all around.

6.30 foraging actively in area where saw display in the morning.

6.34. People on track. Foraging. when they came about 50mts away ran downhill resumed foraging.

- 6.43 At Bottom of ridge 3 crossing over to ridge 4.
- 6.52 Foraging on top of ridge 4 in area where I saw display yesterday. quite actively.
- 6.55. standing by Butea
- 6.57. foraging indifferently looking around.
Starts drizzling.
- 7.00. Drizzle became stronger. went stood by Butea
- 7.05 Rain stops. standing in same position.
- 7.06 came out into open. stood looking around.
- 7.08 came running about 40mts diagonally downward.
started raining. stood behind Butea.
- 7.15. same position.
- 7.17. moved stopped 2-3mts. away flapped wings.
looked around and ran 8-10 mts, pecked for a moment then stood looking around.
- 7.20 Drizzling. came running down slope halted at the base. (Between
- 7.25. standing just above the base looking towards ridge 3. Rivulet has water at this stretch
- 7.26 moving slowly along base.
- 7.28 standing on bare. shook out feathers made it to cross then stopped.
- 7.35 Drizzling. standing hunched in open between 2 Butea bushes a little above base of ridge 4
- 7.40 same position. quite dark left field.

(31)

5/8/85.

Morning - cloudy rainy.

9.40:- Drizzling, at Ato strongly. no. floricans.

↓ on ridges 3, 4, 5, 6 No floricans to be seen

11.20 at stops drizzling windy cloudy.

11.40 spotted male standing in shelter of Butea on ridge - 3 small part (behind) on the top.

11.44. Started foraging.

11.55 Foraging. sun beginning to diffuse through.

12.05 Foraging.

12.10 standing inactive by a Butea amidst 4 or 5 closely spaced Butea.

12.15 Seem to be sitting hunched in 'bustard drinking water position', started drizzling lightly.

12.22 standing hunched, shook out feathers started preening. sun coming through.

12.26. Preening.

12.33 shook out feathers standing hunched

12.36 Moved out

12.37 standing in open looking around.

↓ occasionally when saw insect went and pecked it, otherwise looking around.

12.42 started foraging indifferently as it moved out more in the open started foraging more actively.

12.50 Saw another male II 50-60 mts away from I foraging looking around. In same area where saw roosting on 3rd by displaying male, Ist moving further down slope.

12.55. Male I started chasing Male II distance about 25-30 mts apart. Both occasionally pecked as they scurried along.

12.59 Both standing looking around. distance in between 30-40 mts.

- 1.00. Male I foraging. Male II foraging/walking/running generally away from male I towards top of ridge
- 1.02 Male I foraging actively at one spot. Male II foraging/walking as on top of ridge, also looking around.
- 1.05. Male II moved out of sight towards ridge 3 main part
- 1.10 Male II also moved out of sight in same direction.
- 1.25. Started Raining.

- 2.30 1.50 Raining. No sign of florican.
- 2.30 stopped Raining light drizzle. (moved to diff. sp)
- 2.40 Male standing by butea on top of ridge 3 main part where there is a concentration of bushes. Flushed by returning cattle flies 100-125m lands and starts moving towards ridge 2. drizzling, ~~steadily~~ moves out of sight over ridge top/behind bushes. ((According to cowherd Another flushed by cattle flew and landed on ridge - 6 about 500-600m away. Obviously the same duo who had moved to this slope around 1.00pm))

2.50 Male (flushed at 2.40) is again flushed from part where it had dropped out of sight and flew out of sight in the direction of Ridge 2/norway.

2.56. A male came flying lowish along the valley of Ridge 2/3 and landed on the slope of 3. Probably the ^(2.50) ~~earlier~~ male as Ridges 1 & 2 is more grazed and also big patches of ploughed land.

(circled to see it but did not find it).
 4:10 while returning saw it foraging Heavy show brief
 towards Ridge - 3 small part, walking upslope on main part facing ridge - 2.

(33)

6/8/85.

Evening:-

Weather:- Clear whole day. Cloudy but no rains intermittently sunshine.

5.15. ♂ on ridge 2 on/near road (very close to where ♂ was flushed on 28th / 87) Flushed, landed 50-75 mts away walked / foraged away.

5.45 Ridge 3 usual area ♂ foraging. Twice

when people passed on the track 40-50 mts away it hid in a depression in the ground with only head protruded looking all around. Flushed landed on main part

foraged / walked, Towards dusk started moving

7.30 ~~4.0~~ rapidly towards small part as though moving towards a particular area. When reached small part top foraged indifferently briefly and then descended slope towards main part.

7.45 Circled to see roosting spot but had lost it. Returned to nursery.

7/8/85.

Morning :- 7.45 to 10.00.

Rain up to Drizzle upto about 8.15. cloudy / Sunny day no rain at all.

Extensively searched ridges 2, 3, 4, 5 but did not spot any bird.

Returned as cattle entered study areas.

Evening. 4.30 - 7.30.

No rain whole day. clearing up of sky in the night? Ridges 3, 4, 5 no sightings. Scanned Ridge 6 with telescope. No sighting. on ridge 2 also no sighting.

Notes

Last 2 days have seen very little rain just drizzles in the morning. Ground is drying up in many places. Grass growth is progressing and the bare, brassy brown stubble of the earlier days is no longer in evidence.

Have the Birchs moved out due to the lack of rain? It does seem odd that on Ridge 3 there was no florican today even before and after cattle grazing hours.

(35)

8/8/85.

Morning.

Weather cloudy, cleared up, rainy.

Ridges 3, 4, 5, 6, 1 & 2 no sightings.

Evening. Cloudy rainy.

Ridges 1 & 2, 3 no sightings.

9/8/85

Morning:-

Weather cloudy cloudy rainy.

Ridges 1, 2, 3, 4, 5, 6. No sightings.

10/8/85.

Morning:- Rainy cleared up. cloudy.

8:15 flushed a male on ridge 3 which flew landed on far side of 4.

8:18 flushed again flew back and landed on ridge 3 main part

8:20 walking / foraging up slope. pecked for some time by bush.

8:25 walking / foraging on top of slope interspersed by long or short look arounds.

8:30 " "

8:35 " "

8:45 " "

8:50 in this manner slowly moved onto ridge top and out of sight.

9:15 on ridge 2 close to track where earlier ^(25th) 2 males were flushed. A female was flushed which landed on ridge one opposite Ratan's hut in bleed area near butea. Again was flushed flew towards Dammod and circled back and landed on far side of agriculture fields on ridge one. later could not locate.

Evening: - Initially cloudy. later sunset visible.

6:15 ♂ back of ridge 4 walking up slope. Here the ground is broken into shallow undulations with many butea bushes clustered in the upper parts. Also 2 low trees.

6:20 walking foraging up ridge towards trees.

6:24 chased large grasshopper which escaped

6:25 came into area of Butea proliferation

6:35 walking/foraging among bushes. Hence seen only sporadically. Movement is slow and leisurely.

6:45 flushed from within 10m of large puddle. Landed about 50m away amidst butea.

6:55 flushed again. This time it was hidden in a footpath. Flew long distance and landed somewhere on back part of ridge 3.

7:15 seen on back part of ridge 3. Same area as a previous roost. Walking foraging hurriedly as light is fast diminishing.

lost it as it topped a ridge and hence could not locate roosting spot.

7:45 Returned to nursery.

[[At 6:15 Golden flushed a ♀ from a spur of ridge 3 which flew along the rivulet upstream out of sight]]

11/8/55.

Morning - evening.

cloudy morning cleared into sunny day heavy rain around 6:30 p.m.

(37)

13/8/85

Morning:- cloudy misty slowly, cleared partially diffused sun. No rains.

6:45 :- in field.

8:10 :- ♂ on ridge of small part 50mts from grazing cattle. Came across it abruptly but away. It was moving away from me in a crouching manner and slowly while walking lowered itself into the ground with its back to me. Body well hidden only head erected and keeping a watch, when I moved to a more respectable distance got up and walked / foraged away.

8:20 Grazing cattle coming closer. Grazier shouting loudly among them. Bird was scared as it started running away from them ^{in a crouching manner} constantly with brief pauses in which it half turned back and looking at the source of disturbance. Occasionally bobbing up and down. But the Grazier was continuing to make a racket. It ran up with head erect for a few metres and paused briefly during which it bent & then flexed its legs and flew off onto ridge of main part about 60-70mts away.

8:25. Foraging on top of ridge 4.

Peck count 8:30 - 8:35 = 13

Bird is foraging actively as it is moving here and there hurriedly but does not seem to be pecking many insects as seen by peck count.

Moved from one spur to the other via water cutout.

8:41 For no apparent reason it sank to the ground in its hiding posture behind a *Butea* bush.

8:42. Smallish bird of prey flew 10-15mts away from it Red headed Merlin?

8:43 Resumed foraging.

Peck count 8:45 - 8:50 = 16

In between spent about a minute looking around then suddenly ran and pecked 2-3 times rapidly at a spot.

- 8.51 : Standing by Butea looking around in an alerted manner large grey babblers making a racket.
- 8.54 Moved out took a peck or two stood looking around.
- 8.55. started foraging slowly.
- 8.57 Standing by Butea with head erect.
- 8.59 Takes a few steps then ran to catch an insect.
- 9.00 Again standing by Butea takes a few steps then looked around. Ran and again pecked at something and so on.
Sun diffusing through.
- 9.05 "
- 9.08 Ruffled out feathers and carried on.
- 9.12 Has moved into area of Butea proliferation. Standing looking / walking / foraging.
- 9.20 "
- 9.25 got flushed by old man. It hid at his approach but took to flight as he came closer. Landed on ridge 4 small part on slope facing main part.
- 9.27 walking / foraging towards top of slope. Same area as of 10th evening.
- 9.35. Has moved into area of very thick butea proliferation at the back of ridge 4 small part close to the lone trees. lost amidst the clumps.
Sun beginning to come through again.
- 9.40. Brief glimpse of male between bushes. walking hurriedly.
- 9.41 A brief glimpse of a female between the butea was hurriedly moving followed by the male (of which another glimpse was had ^{between} through bushes). Male was seemingly running after it with the ♀ moving away from it. ♂ is noticeably smaller than the female

39

both were lost to the eye immediately amidst the bushes.

9.50 ♂ flushed from close the 2 lone trees from amidst the Buten by grasses + cattle. landed some 100m away.
No sign of ♀.

Apparently today is last day of grazing. Easily 300 cattle ~~was~~ are in the area or can be seen coming in. 10-12 heads of cattle in the same Buten patch where the female ~~is~~ was sighted but she has not taken to flight.

10.15 left field. No sign of female obviously hiding in buten or ~~she~~ walked away to some other patch.

Notes.

The ♂ this morning interspersed its foraging with long or short breaks to look around. It seemed that this activity was largely to spot any new insects around it. It either used to run straight from where it was looking around to peck at an insect or would take a few slow tentative steps and look around. Usually the look arounds ended in a dash to peck at something.

Obviously the presence of grazing cattle is not much of a deterrent as earlier in the day ^(♂) it foraged as close as 30-35 mts from one such straggler. In contrast the loud shouting from about 75 mts away caused it to run and then fly away.

(40)

Evening.

Weather: - Mostly clear; sunny visible sunset.

In areas of earlier observations no floricans sighted. Attempts to flush it in area of Butea proliferation unsuccessful.

14/8/85.

Morning - evening.

Weather: - cloudy gave rise to sunny day partially

cloudy evening / sunny started raining at about 6:15 p.m. (Heavy shower)

In areas of earlier florican observations no sightings. Attempts to flush above, unsuccessful.

(4)

15/5/85.

Morning:- cloudy; drizzled lightly; Sun coming through briefly.
(watch 1/2 hr slow)

7.45 :- 1 ♂ on ridge 4 main part (facing ridge 5) flew
landed on flatish part between ridges 4 & 5 about 100m
away.

7.48 walked slowly until obstructed by stream. standing behind
Butea.

7.52 walking/foraging on stream bank down stream

7.55 moved out of sight around spur
(changed O.P. to Ridge 5)

8.05 has moved on top of ridge 4, walking/foraging
leisurely with head constantly erected.

8.10 walking/foraging leisurely with head occasional dashes
after an insect. looking around often, likely for insect.
Cattle on ridge 6 & 5

8.15 Pecking at one spot, not disturbed by loud calls of sarus,
carried on pecking then moved on.

8.17 3 bullocks reach base of ridge 4 start grazing.
Florican walking/foraging/looking on top.

8.19 - ↓ pecking at one spot

8.26 - moved out of the spot

8.28 :- Trying to peck something but is also scared of it
as it comes forward, jumps back and attempts pecks
or starts to peck but quickly withdraws head.

Constantly circling it, but also moving as the 'prey' seems
to be moving. Think it is a small reptile as saw
what looked like a gaping mouth trying to bite or
scare of bird, but too far to see details.

8.31 | Seems to have incapacitated the 'prey' as it pecked
| Intensely for a minute or two at one spot and then
seemed to be trying to swallow. Action taking place
| Sahi by/behind a sparse butea bush with back

facing o.p. Is the neck bulging ???

8:35. looks like it is a rather big mouthfull as it stood immobile for a long moment and in a hunched position before slowly moving away.

8:37. Pecking at another spot.

8:40 standing behind by Butea 30mts from grazing Bullock in hunched position. After 2-3 minutes erected neck looked around and hunched again.

8:45 Same position. Bullock grazed to within 20mts away and then moved off. No effect on bird who is in same position/posture.

8:48 started preening.

8:50 stopped preening. Erected neck looked around.

8:51 Took a step or two away from Bush and went into hunched posture with head tucked in shoulders.

8:53 changed position but by same bush. withdrew head into shoulders. Bullock again grazing within 30mts from bird.

8:57. Got Erected neck and then started preening with cocked tail actively.

9:00 Stopped preening took a few steps away from bush stretched wings / ruffled feathers. looked around, returned to Bush looked around.

9:02 started preening actively.

9:10 Stopped preening. Towards end (about last 2-3 minutes) would look around for a ^{long} few moments then run its beak through feathers once or twice. Repeat etc. Ruffled out feathers and then moved out.

9:11 standing in open on top of ridge looking around about 10-15 mts from 9:10 spot

9:12 display jump. landed looked around, ran and took a peck 5-10 mts away. [sun beginning to diffuse through]

- 9:14. Display jump, landed took a peck shook out legs
walked foraged away.
- 9:18 walking | foraging | looking around.
- 9:21 looked around took 1/2 turn and flapped wings,
resumed foraging actively.
- Blue sky beginning to come through.
- 9:25 Foraging interspersed with lookarounds.
- 9:28 shook out feathers, resumed foraging.
- 9:30 foraging actively | looking around.
● clouding up again.
- 9:33 light drizzle begins.
- 9:35 walking | foraging | running | looking around.
- 9:40 walking | foraging more leisurely.
drizzle continues lightly.
- 9:45 walking | foraging leisurely.
- 9:50 "
- 9:55 Has in above manner (") returned to patch
● where it had displayed earlier. Did an abrupt about turn
display jumped and carried on foraging.
- 10:00 Display jump (heard). Came running after an insect(?)
soon after. Stopped by Butea looking around.
- 10:04 started moving out. light drizzle starts.
- 10:08 Standing in open close to Butea head tucked
in shoulders, light drizzle.
- 10:10. Started moving | pecking indifferently and came
stood close to Butea.
- 10:15 Inactive close to same Butea.
- 10:17 came into open stood looking around
- 10:20 started preening at the same spot. ←

10:24 stopped preening started moving

10:25 stopped a little away and looking all around pivoted fully and then rushed and pecked at the Base of a *Butea* clump.

Sun beginning to diffuse through again.

foraging leisurely / looking around near same clump.

10:27

~~to~~ Man herding back original 3 bullocks comes toward Florican. Bullocks are trotting along. Florican finds a depression and sits in it with only the head showing. Man and Bullocks come at fast pace and pass the hiding spot about 20-25 mts away. Florican was not flushed but it withdrew head completely into depression (out of sight) as the man stopped picked up a stone and threw it after the Bullocks. As they passed by Head emerged and followed their movements.

10:30 Came out of depression and walked away when they had gone beyond 50 mts.

10:33 foraging / walking leisurely about 50 mts from where it had hidden.

10:37 continues to "

10:38 stopped looked around. moved closer to ~~the~~ *Butea* and looked around.

10:40 Resumed foraging leisurely / looking around.

10:45

10:48 Suddenly ran swiftly and caught an insect.

Re start seemed so sudden that it had to open wings for balance.

10:50 ↓ light drizzle.

10:55 foraging leisurely it came and stood by *Butea* Bush about 1/2 way up slope. Head is partially

erected, inactive.

11:05 Same position. Drizzle continues. So far head was in semi-erect posture. Slowly it descended and was tucked between shoulders.

11:10 Same posture.

11:15 Same posture.

left field. Drizzle continued for about 20-25 minutes.

Evening.

weather? - Cloudy, started raining and continued at a steady rate for 1 1/2 hrs. Stopped rain cleared slightly soon after/at sunset, cloudy again.

4:30 Saw ♂ in same area as morning but on slope facing Ridge -3. (o.p. on Ridge 5 only saw head bob 2-3 times and disappeared.) Changed o.p. lost it and covered ridge 5 & 4 (small + main part)

5:00 started raining steadily in large penetrating drops.

5:30 located again on top of ridge 4 well in the open standing with head tucked into shoulder.

Rain continues at the same steady pace.

5:55 Same position and posture, (o.p. Ridge 3)

Rain continues at the same steady pace.

6:25

"

6:35 Rain has eased to sporadic drops.

6:38 started walking.

6:42 Walking seems to be looking for insects but so far unsuccessful (no pecks), ~~Moved~~
 Moved onto slope facing Ridge 5 lost to eye changed o.p. to Ridge 5 but cannot locate. Returned to Ridge -3

- 7:05 standing inactive on top of Ridge 4 by a depression. but looking around, head in half erect posture.
- 7:10 ruffled out feathers walked 3-5 mts took a peck or two another 2-3 steps, and then became inactive again. on border of same depression but closer to Buten. Light fast fading out.
- 7:13 moved 1-2 mts more into the open (about 4-5 mts from nearest Bush) Tucked head into shoulders
- 7:17. Changed position by running, away 15-20 mts and went in between ~~2~~ (or behind) 2 Buten bushes just on top of slope facing 5. Cannot locate it either is behind the Bushes or moved down slope.
- 7:20 left field.

Notes.

Throughout the observation it did not forage actively. lost about 1 1/2 hrs in trying to relocate it. (Must learn to trust 'me' eyes more!)

16/8/85

weather:- Cloudy, no rain, later in day strong diffused sun.

7.45:- ~~at~~ Morning-evening.

7.45:- ♂? on top of ridge 4 about 50-75 mts from

spot where seen last, the night before.

8.05 Same place. Not visible from opp. ridges.

~~8.20~~ on slope (relocated o.p. twice but cannot see position.

8.30 ✓ On slope facing 5, standing beside Butea, shook out feathers and started walking | foraging | looking actively.

8.40 "

8.50 "

9.00 "

9.10 "

9.20 "

9.22 Standing behind Butea. not moving but looking around.

9.29 started moving very slowly out into open, stopped, looking around.

9.30 Came running and pecked at something, then stood looking around.

9.32 started walking | foraging in a more active manner

9.35 walking | foraging | looking ~~is~~ actively.

9.55 A " among cluster of Butea. o.p. ridge 4 small part.

9.58 Man walking on path florican ran away from path about 15-20 mts found a depression and hid in it. only top of head visible.

9.59. Another man walked on path florican continued hiding.

10.00 Both have passed. Florican erects head looks around for a few moments then got up and moved away

10.01 walking | foraging.

10.05 walking | foraging | running | looking actively.

10.10 " moving in direction it came from (downstream)

- 10:18 walking / foraging / looking but tempo seems to have decreased somewhat.
- 10:20 flapped wings / shook out feathers resumed foraging leisurely.
- 10:31 standing on top of Ridge 4 looking around.
- 10:34 moved 2-3 mts and sat in a depression only head visible, erect and looking around. soon got up and looked around.
- 10:35 Sat down again but got up when many Red mottled lapwings started calling loudly.
- 10:36 ; Shook out feathers and resumed foraging leisurely.
- 10:40 : Standing near Butea.
- 10:45 walking / foraging leisurely on top of ridge.
- 10:50 standing machine on top shook out feathers moved a little, standing in open looking around.
- 11:00 Mostly standing and looking around, occasional slow steps even rarer pecks.
- 11:05 Seems to have ascended slope facing Ridge 3
 } last sight.
- 11:40 searched from Ridge 3 & 5 as well as on 4 but couldn't locate.
- 11:55 - 5:00 " was fooled by butea leaf into thinking florican was standing by it, But the long stationary period was so uncharacteristic that finally I went to see what was the matter. The leaf and twigs were such positioned that from as close as about 35 mts it seemed to be the bird. On closer examination saw that my day had been thoroughly wasted. After another search in the area left the field utterly disgusted with myself."

(49)

17/8/85.

Morning - evening:-

Weather:- cloudy / sunny no rain

Floricans not sighted on areas of earlier observations.

18/8/85.

Morning - evening

weather:- cloudy / sunny. rain drizzled in the night.

Floricans not sighted in areas of earlier observation.

Mazdoor from Govardhanpura said he saw a ♂
on ridge 4 (Area of ^{latest} observation) while returning around
6 - 6.30 p.m.

19/8/85.

weather:- cloudy / sunny. No rains.

6:25 2 floricans ♂ on ridge 4 on undulations facing
Ridge-4 small part. one is a little above slope than
the other. Both running with tails cocked and back
feathers (vermiculated part) ruffled. Posterior is slightly
tipped in the air while the head is held low ^{or} (and
the seesawing of the head was not as much as while
running foraging). Both were running actively in a
seemingly haphazard manner coming as close as 1m
from each other. If one moved in one way the other
would soon follow and come close again. Occasional
pecks but the activity was clearly not a foraging activity
one but more of a ^{a tussle.} dominance ~~manoeuvre~~.

6:40 On coming close in such a manner they both
attached each other with beaks and generally pushing
at each other with neck and bodies. wings were
partially outstretched, tail remained cocked. The fight

seemed equal until one was pushed down. It made a last attempt at fighting and then retreated and flew about 15 mts away. The victor also leaped in the air and landed 5-6 mts away. A rattle was heard. Soon after the loser flew and landed about 75 mts away. Started walking and moved up Ridge 4 small pant.

6:45 Victor moved a little in the direction taken by loser but then started pecking actively in one spot. Loser also foraging.

6:45-6:50 Peck count loser :- 75 (40 to 45 at one spot)
victor :- 8

6:49 :- victor displayed (between peck 5 & 6)

6:51 :- " " (between peck 7 & 8)

Moved between the jumps.

6:53 On victor displayed started foraging immediately.

6:54 On small pant loser jumped, started foraging "

" Victor jumped }
" " " } moved after each jump.

6:56 Victor jumped

6:56 loser jumped looked around started foraging.

6:56+ victor jumped started foraging

6:57 victor jumped carried on "

6:00 - 6:05 peck count

victor :- 8 pecks ; 9 7 display jumps

loser :- 34 pecks moved out of sight

down slope facing Ridge 5

Towards end of peck count period the victor seemed to find a female and began running

after her, ^{posture while} ~~Method~~ of running was different. Neck is stretched out sort of parallel to the ground, plumes are reerected ~~over~~ ^{trailing} the head. Chin feathers are ruffled out conspicuously (as in Great Indian Bustard minus the pouch). Tail was not cocked. Neither was the vermiculated ^(mantle) part ruffled.

Soon after ♀ flew ^{away} and landed and started foraging.

Male started running in similar manner again after her.

6:10 Female ahead ♂ behind a gap of about 50mts

♀ seems pointedly running away from male.

6:15 ♀ running/foraging ♂ chasing but occasionally taking a peck as well.

6:17. ♂ foraging and moving in a different direction.

6:18 saw ♀ sitting. ♂ sat and immediately came running towards ♀ in neck elongated posture, and

when about 5mts from it stopped arched the head in an S shaped and then suddenly hit its back with the head. Wings became loose to

show the white patches. plumes were erected over the head in front of the forehead. ♀ got up and ran away. ♂ seemed to loose interest as it got up and foraged away in a different direction.

6:20 ♂ heard Redwattled lapwing and became alert

6:25 ♀ & ♂ foraging about 150-200 mts apart

6:30 ♂ foraging can't see ♀

6:32 ♂ Snapped looked around; ~~can't see ♀~~ started foraging

6:37 ♀ by Butea & Ipomea Snapped twice and bobbed head, moved behind bush for 1-2 minutes (couldn't see it) before commencing foraging.

6:45 ♀ foraging actively.

- 6:45 ♂ moving in direction where it had fought. ♀ also moving in same direction.
- 6:48 ♂ begins chasing ♀ who is foraging / running away from it but more slowly. Soon after ♂ reaches close to ♀ who sat down. ♂ repeated the head banging on back procedure. ♀ showed no interest and then sat down. ♀ showed no interest and moved away. ♂ also moved away in different direction foraging.
- 6:54. Displayed carried on foraging.
- 6:56 " " " "
- 6:58 " "
- 6:59 Displayed about 1mt from '6:58'. moved
- 6/59.5 " then moved away.
- 7:00 " "
- 7:02 " now running
- 7/02.5 " "
- 7:06 " about 50-75mts from last display spot
- 7:07 After feeding near/in Butea bush
- 7:07 same spot displayed. soon after New 10-15 landed shuffled feathers carried on.
- 7:10 moving still.
- Too dark to see left field.

Notes.

In the dominance tussel the posture was very similar to that of painted partridge. Also in the same the ♂'s twice showed their posterior ends to each other when they were very close (1mt or less) for a few moments. ♀ was very obviously running away from a ♂

in the grass often and is difficult to see at times. Otherwise seemed as gutsy as the ♂ foraging actively in the open, not disturbed by our presence about 75 mts away.

20/8/85.

Weather: Cloudy drizzling early morning cleared partially into sunny day.

- 6:30 Drizzling, ♂ taking shelter behind Butea
- 6:40 Seen foraging about 300 mts from where spotted first.
- 6:45 Foraging in area of active display yesterday.
- 6:50 Foraging actively
- 7:10 "
- 7:20 ♀ foraging on ridge 4 small part ♂ moved out of sight in direction of area where last seen the night before.
- 7:35 ♀ foraging
- 7:45 "
- 7:54 Standing looking near Butea cluster ruffled feathers resumed foraging
- 7:57 standing close to Butea bush between smaller shrubs looking around
- 7:59 ♂ comes flying in from the right landed 100-150 mts away from ♀ who is still on small part 75-100 mts away from area of Butea proliferation
- 8:01 ♀ resumes foraging
- 8:04 ♂ foraging reached top of antspur ridge 4 back part. Displayed and in same spot looking around.

8:04 Displayed twice from the same spot. Tail
↓ is cocked and feathers are ruffled up.

8:08 ♀ foraging well away.

Drizzle stops.

♂ displayed twice from the same spot. Inbetween
jumps standing with feathers fluffed head in shoulders tail cocked

8:15 ♀ foraging. ♂ facing different direction.

♂ displayed 4 times. Inbetween jumps same posture
as above. same spot.

8:20 ♀ foraging.

♂ 2 jumps from same spot. rest same as
before.

8:25 ♀ foraging by Butea shuffled feathers.

8:25 2 Sackals pass

♀ standing by butea looking around

♂ 4 jumps same spot.

8:28 ♀ standing by Butea head tucked in

8:30 shoulders.

8:32 ♂ displayed from same spot.

♀ in same position shook out feathers tail partly cocked

8:33 ♂ displayed and moved away foraging.

8:34

"

8:35 ♂ displayed moved on 5 times. Displays

took place inbetween foraging activity. It would

1/2 or full turn into direction of wind. and

Sup. ♀ by same cluster some movement but

generally inactive / looking around behind same bush.

8:40 ♂ displayed actively foraged for 40-50s.

then displayed twice from the same spot.

8:45 ♀ in same position constantly looking around.

♂ displayed from same spot then looked around foraged
displayed foraged displayed foraged.

8:50 :- ♀ same position.

♂ - 3 displays from same spot foraged displayed
foraged displayed.

8:55 ♀ same position neck in shoulders.

♂ displayed resumed foraging 4 times.

9:00 ♀ same position and posture.

♂ displayed resumed foraging thrice

9:05 ♂ & ♀ got up and resumed foraging

♂ displayed 4 times from same spot and
foraged away.

9:08 Towards end of 5 minutes ♀ standing by
Butea proliferation seeming to be looking
in that direction.

9:10 ♀ moved out of sight into butea proliferation

♂ displayed foraged 4 times.

9:15 ♂ displayed foraged

♂ foraging

9:25 ♂ foraging actively sun beginning to come
through.

9:30 foraging actively.

♂ displayed resumed foraging immediately.

9:35 ♂ moved into an area of Butea

proliferation foraging. came back to sight a

minute or two later foraging. Displayed foraging

9:39 standing in one spot looking around.

9:41 shuffled feathers in same spot.

9:42 Resumed foraging.

9:45 Actively foraging.

- 9.48 Stopped. standing looking around.
 9.49 preened briefly.
 9.50 looking around.
 9.51 Resumed preening tail is cocked.
 9.52 stopped. standing looking around.
 9.53 Resumed preening with cocked tail.
 9.55. Display jumped. Nearabouts area spot where it had
 repeatedly jumped earlier. walked / foraged away.
 Displayed foraged 3 times.
- ↓ 10.00 Display foraged 3 times.
 ↓ ↓
 10.05 Display foraged 3 times.
 ↓ ↓
 10.10 Sun becoming stronger
 foraging
- 10.15 moved into Butea proliferation out of sight.
 10.20 in open foraging.
 10.25 foraged down far side of spur out of
 sight
 10.35 out of sight
 10.45 out of sight left field.

Notes.

Most times when the ♂ displayed the ♀ looked in that direction on hearing the rattle. I think ♂ did not see the ♀ throughout

(57)

21/8/85

Morning:-

Weather:- cloudy/drizzling cleared into sunny day.

- 7:05 (On Ridge 4 back part same area as earlier ♂♂♀ interaction.) 1 ♂ flew from about 150 mts from me and flew away out of sight in the direction of sailana (west)
- 7:10 saw another ♂ in same patch from which the above ♂ had flown from. Obviously had been chased off. Probably fought. ♂ was foraging.
- 7:20 couldn't see ♂ due to position of o.p. was flushed once but couldn't relocate it.

Evening:-

Weather partly cloudy.

- 4:35 saw ♂ while doing entomology displaying actively from one spot on top of ridge 2.
- 4:40 while returning saw the ♂ still displaying round abouts same location.
(No floricans in Ridge-4)

22/8/85.

Morning:- cloudy/strong drizzle cleared into sunny day.

- 7:15 1 ♂ flushed from close to track on ridge 2 in same area as last evening's display. landed about 150 mts away. started foraging.

Drizzling strongly.

7:30 Foraging "

7:40 " "

(58)

- 7.55 Foraging drizzling strongly; has covered wide area
- 8.00 drizzle stopped.
- 8.10 Since drizzle stopped is foraging more rapidly in direction of display area
- 8.20 "
- 8.40 heard display rattle
- 8.45 Foraging.
- 8.55 foraging towards area of yesterday's display.
- 8.58 jumped twice from same spot. In between jumps standing with head in shoulders and feathers ruffled.
- 9.00 resumed foraging.
- 9.02 standing with feathers fluffed and head in shoulders behind Butea.
- 9.07 same position/posture only some pivoting movement.
- 9.08 erected neck looking all around.
- 9.10 Resumed foraging.
- 9.15 foraging.
- ↓ displayed foraged thrice.
- 9.20 displayed foraged displayed foraged displayed twice from same spot.
- ↓
- 9.25 Moved forward 5-6 mts displayed looking around alertly. day
- 9.30 flushed by bullocks and farmer took off with rattle sound and landed on slope facing 2-1
- 9.45 Foraging up slope generally in direction of display area.

Notes

Today while searching ~~proba~~ cane too close to it once and found it hidden in the grass. Sitting with back to me (verruculated part facing) and head tucked close in shoulder.

(59)

Evening.

sunny partially cloudy.

on ridge 4 no. florican.

6:45 ♂ Seen on Ridge 2 same area as morning. foraging
↓ and displaying
6:50 3 jumps. heard.

23/8/85.

Morning. Cloudy / drizzly cleared into sunny mid morning.

6:47 :- on approach of Jee ^{had} hid in grass. Got up
and foraged away. R-2.

6:48 displayed 6 times of which 4 were
↓ from one spot.

6:55 displayed foraged three times.

↓ 7:00 displayed foraged and moved into
ploughed field. Displayed then foraged in
ploughed field

7:05 foraging in field. displayed continued foraging.

7:10-7:15 Peck count = 67
displayed once.

7:16 came into the grass breed area.

↓ displayed foraged
displayed standing looking around. displayed same spot.

7:20 displayed foraged twice

↓ peck count 2. stood looking around for a minute

7:25 started drizzling.

7:26 Florican standing with head in shoulders.

7:29 Drizzle dies out got up looked around and
displayed.

(80)

7:30 From same spot as 7:29. ↓

↓ displayed 9 times.

7:38 started drizzling. stood with head in shoulders in same spot. ~~stepped back soon.~~

7:39 Resumed foraging. drizzle eases a bit.

7:40 displayed foraged stopped. shook out feathers.

↓ displayed in one spot three times.

7:44 came running to the 'south' in a neck elongated posture but eased into a walk and started foraging.

7:45 displayed twice while walking. drizzle increased took shelter behind buten. started moving. Displayed carried on foraging.

7:50 Displayed foraged 4 times.

↓ 7:55 Displayed same spot 4 times. resumed foraging.

8:00 Displayed 6 times in same area within

↓ 2-3 m radius.

8:05 Displayed 4 times as above. foraged displayed foraged ~~displayed~~.

8:10 Displayed foraged.

drizzle increased slightly. Took shelter behind

↓ Butea with ^{head} tucked in shoulders. Sudden flash of white from field (probably mynah taking to flight) Florican 1/2 turned to see, turned back into the wind and displayed immediately.

A little prior to jump drizzle had stopped.

displayed 2 more times from same spot.

8:15 From the same spot displayed 6 times.

8:20 From the same spot displayed 5 times.

(61)

Inbetween standing with feathers fluffed.

8:25 sun beginning to diffuse through. displayed
↓ from the same spot. Ran and 5-6 mts took
✓ a peck and displayed twice more. Moved.

8:30 Displayed moved back to where it had
↓ (displayed) earlier displayed

8:35 Displayed 3 times from same spot.

8:40 Displayed twice from same spot.

8:45 sky beginning to clear showing blue
↓ sun quite strong. displayed twice same
↓ spot.

↓ 8:50 Displayed twice

↓ 8:54 Ran and took a peck 5-10 mts away. Resumed
foraging.

8:55 Displayed foraged.

8:57-9:02 Peck count 11

foraging downslope. Bright sunshine.

Notes

peck count of 67 in crop field of
soya bean. Seen eating these leaves plucking
off big pieces and gulping them down.

Eventy.

4:45 saw

weather:- sunny/cloudy.

4:45 saw ♂ in same area as morning displaying
Bright sun comes through. moved into soya bean
field.

4:53-4:58 Peck count 51

(62)

5:00 - 5:05 peck count 37

clouding up again

5:05 displayed foraged 4 times.

5:10 displayed foraged 3 times.

5:15 displayed foraged 4 times.

5:20 - 5:25 peck count = 29. About 3 minutes in field and 2 minutes in Bheed. In between displayed once.

5:25 - 5:30 :- Peck count 10 in Bheed displayed once.

5:35 - 5:40 peck count 13 in Bheed displayed once.

5:40 displayed twice foraged.

5:45 displayed foraged twice. Displayed one spot 3 times.

5:50 in same spot 7 displays.

5:55 displayed then foraged displayed twice.

6:00 moved back into field.

6:05 - 6:10 49 pecks in crop field.

6:10 - 6:15 35 "

6:20 - 6:25 6 pecks in Bheed. 1 display in between.

6:25 - 6:30 2 displays from same spot.

Arrival of the Maharaja and co. Bird bird etc.

Notes.

Again saw it voraciously eatly soya leaves.

(63)

27/8/85

Evening:-

Weather:- sunny.

One ♂ heard displaying on ridge 4, same area as latest observation from the same.

On Ridge-2 couldn't sight the ♂ chowkidaar reports having seen both the birds regularly since last in field.

28/8/85

Morning:-

Weather:- sunny ~~clear~~

1 ♂ each on ridge 4 & 2 both in locations of earlier sightings. Heard both display.

Evening:-

♂ on ridge 2 in soyabean field displaying actively. Seemed to me that another ♂ was displaying in the vicinity as I heard faint rattles soon after which the ♂ would display. could not confirm.

29/8/85.

Morning:- Sunny throughout day.

On ridge - 2 ♂ absent.

Evening:- Sunny through out.

♂ on ridge - 2 absent.

♂ displaying actively on ridge 4.

later reported sighting of ♂ on Ridge - 2

(6)

30/8/85.

8.45 Morning:- cloudy weather became sunny around 4 p.m.

5.45 Day break.

5.55 ♂ on ridge - 4 displaying actively

6.00 displaying actively from the same spot.

6.05 ♀ flew and landed same from main part to small part. ♂ displayed 3-4 times in succession.

6.12 sun rise

6.15 Displaying but on landing reverting to a crouched position, probably due to proximity of grazer

9 jumps same spot.

6.20 8 jumps then moved away.

6.25 2 jumps on the move.

6.30 5 "

6.35 5 "

6.40 4 "

6.45 Peck count 30/5 most in one spot

↓ displayed 15-20 times.

7.00 2 jumps.

↓ Peck count 11/5.

7.05 2 jumps.

7.10 Displayed 4 times.

↓ peck count 10

7.15 5 jumps on the move.

7.20 9 jumps

↓ peck count = 9.

7.25 11 jumps.

(65)

- 7:30 8 jumps
- 8:35 ↔ 8:00 displaying actively.
- ↓ 8:05 6 jumps in same spot ↓
- 8:10 6 "
- 8:15 7 "
- 8:20 8 "
- 8:25 8 "
- 8:30 7 "
- 8:35 9 " after began moving.
- 8:40 - 8:45 peck cont 7
- ↓ displayed 6 times.
- 8:50 6 jumps.
- ↓ 8:55 displaying but heat cont'd.
- 9:00 foraging.
- 9:05 foraging.
- 9:10 displayed once.
- foraging lost to eye.
- 9:23 ♀ fledged and landed. from small to main part. on landing ran some distance before easing into a walk and foraging. ♂ displayed immediately and vigorously.
- ↓ 7 jumps.
- 9:30 ♀ foraging.
- ↓ ♂ 6 jumps.
- 9:35 ♀ foraging
- ♂ 8 jumps
- 9:40 ♀ moved out of sight in butea proliferation
- ♂ 4 jumps.
- 9:45 ♂ 3 jumps
- 9:50 ♂ 8 jumps.

- 9:55 ♂ 3 jumps.
- 10:00 ♂ 7 jumps.
- 10:10 ♂ foraging.
- 10:15 ♂ foraging.
- 10:30 ♂ foraging. sun came out briefly.
displayed twice. on the move
- 10:35 5 jumps. ↓
- 10:40 1 jump
- 10:50 3 jumps.
- 10:55 4 jumps.
- 11:00 5 jumps. same spot
- 11:05 6 jumps. ↓
- 11:10 6 jumps.
- 11:15 5 jumps.
- 11:20 3 jumps.
- 11:25 4 jumps.
- 11:30 5 jumps.
- 11:35 4 jumps.
- 11:40 6 jumps.
- 11:45 3 jumps.
- 11:50 6 jumps.
- 11:55 4 jumps.
- 12:00 4 jumps. sun coming through
- 12:05 2 jumps. patches of blue sky.
- 12:10 one jump.
- 12:15 foraging.
- 12:20 sun becoming foraging sun becoming
stronger.
- 12:25 foraged into area of butea proliferation
out of sight.

(67)

30/8/55.

Evening. weather sunny clear sunset.

♂ on ridge - 2 not to be seen.

♂ on ridge - 4 displaying. Placed hide then
♂ dummy. Displaying ♂ displayed more vigorously
came closer but wary of hide stayed away
but displayed vigorously.

31/8/55.

Afternoon-evening.

weather partly cloudy sunny.

12.15 ♂ on ridge 4 displaying.

5 sumps.

12.20 3 sumps.

12.25 started foraging.

12.30 foraging.

12.40 peck count 11/5

clouding up.

12.42-12.47: peck count 18/5

12.50-12.55 peck count 6/5

4 display jumps.

12.55 :- preened for a few moments.

8 jumps.

sun coming through.

1.00 Displayed once resumed foraging 2 jumps on the
wings.

1.05 foraging.

1.10 foraging moved out of sight clouds up.

1.30 ♀ standing by butea more in open. Alert
looking around.

1.35 sat down in the grass.

(68)

1.45. Same position occasionally extends head to look around. Erected neck preened for a few moments.

1.50 sat back in grass.

2.40 ♂ came into open started display.

x x x - x x x

2.45 x x x x

2.50 x x x x

2.55 x x x x x

3.00 x x x x x x ~~tail~~

3.05 x x x x x x →

3.10 x - x - x x - x - x - x -

3.15 x - x -

3.20 x - x -

3.25 foraging.

3.30 foraging.

3.45 foraging.

3.50 foraging

4.00 foraging moved into crop field.

4.10 foraging in crop field.

4.15 Saw the ♂ do the snapping of head in courtship in the crop field. Only saw the motion of head. ♀ and rest of ♂ out of sight among the soya plants.

4.20 started raining. ♂ not visible.

4.30 drizzling lightly.

4.40 ♂ back in display area

x x -

rain stops.

4.45 x x x

4.50 x x x x x x x x

drizzle stops.

(69)

- 4:55 x x x x x
5:00 x x x x x
5:05 x x x x x
5:10 x x x x x
5:15 x x x x x
5:20 x x - x x
5:25 x x x x x
5:30 x x x x x x
5:35 x x x
5:40 x x x
5:45 x - foraging.
5:50 foraging.
5:55 x x x x x x
6:00 x x x x x
6:05 x x x x x x x x
6:10 disturbed by man. ran and hid.
6:15 - x x -
6:20 peck count a/s ↓
6:22 ran & hid in grass as man passed close
by. Slowly got up and resumed foraging as
he passed.
6:27 x - x x - x - x - x - x
6:32 foraging.
6:35 foraging on lower slopes. around butea
6:45 foraging.
6:50 sunset (saw sun close to setting about 4.5m) (back then not visible)
6:52 moved into crop field foraging hurriedly.
6:55 in crop field foraging actively.
7:00 moved out of field foraging hurriedly.

(70)

7:15 foraging lost to eye. too dark to see
left field.

Notes.

Reported ♂ in plantation area has been
present for 3-4 weeks now displaying.

Also from o.p. on Ridge G sometimes
hear faint rattles and the observed ♂
seems to perk up each time. Sounds are sporadic
and faint, have not confirmed source.

1/9/55.

Morning:- weather cloudy.

♂ on ridge - 2 displaying in crop field and then moved into bleed.

L220

Afternoon - evening.

Weather - cloudy.

12.20 ♂ on ridge of foraging.

12.30 foraging. preened for a few moments by a butea

12.34 X Displayed. standing by Butea looking around.

12.35 x x x x - x -

12.40 x - x - x - x - x x -

12.45 x - x - x -

12.50 x - foraging si sun coming out.

1.00 foraging.

1.10 foraging

1.15 foraging lost to eye.

1.30 lost to eye and also couldn't locate when searched. presume resting.

1.50 " partial sun.

1.55 In open visible

x x x

2.00 x preened fluffed out feathers looked around preened again.

2.05 foraged towards end of 5 mins x

2.10 x x x x

2.15 x x

2.20 x x

2.25 foraging.

2:35 foraging.
 2:55 foraging.
 3:05 foraging.
 3:30 foraging.
 3:35 foraging.
 3:40 foraging lost to eye.



4:00 Resting? Bright sun
 4:10 Standin in open lookin around.
 4:15 x x x
 4:20 x x x
 4:25 x x
 4:30 x x
 4:35 x x
 4:40 x x x x
 4:45 x x x x x
 4:50 x x x x x
 4:55 x x x x
 5:00 x x x x x
 5:05 x - x - x - x -
 5:10 x x - x -
 5:15 foraging.
 5:20 foraging
 5:25 foraging
 5:45 foraging in crop field.
 5:50 x x x x x x
 5:55 x x x x x x x x
 6:00 x x x x x - x x x x x x
 6:05 x x x x x x - x - x - x -
 6:10 x - x - x - x x x x x x - x x -

6:15 x - xx - xxx - x -
 6:20 xxxxx xxxxxxx
 6:25 xxxx - xxxxx
 6:30 xxxxxxxxxx
 6:35 xxxxxxxxx
 6:40 xxxxx - xxxxxxx
 6:45 xxx - xx - xxx
 6:48 sunset.
 6:50 x - x - x - x - x - x - x - x - xxx
 6:55 xxxxxxx
 7:00 xxxxxxx
 7:05 x - x
 7:10 → foraging lost to eye.
 7:15 ? too dark to see left field.

Notes.

At about 6:00 saw a male at the hind portion of ridge 4 small part close to the 2 Babul trees displaying sporadically. Mostly not visible ~~was~~ as among the Bateas.

Obviously ^{the} a source of the faint rattle.

6:50 at the back of the ridge - 3 close to the crop field another ♂ displayed sporadically but more interested in feeding foraging. This ♂ was reported as sighted this morning.

♂ contact as of today with position as of today.

(4)

Ridge 4 main part σ^7 in established territory.

Ridge 4 small part σ^7 established?

Ridge 3 back part σ^7 ?

Ridge 2 next to ^{and in} Joga crop σ^7 established territory.

Ridge 4 main + small part Residence of 1 f confirmed.

→ In crop field between 4 + 3 next to well reported 2nd f (flushed on same morning ~~comes~~ one after the other by Patha) (reliable)

→ 1 σ^7 in plantation area established territory. Reliable?

(75)

2/9/55.

Morning:- weather cloudy

6:05 x x x

6:10 x x x x x x x x x

6:15 x x x x

6:20 x x x x x x x

6:24 disturbed by cattle/ grazer.

6:26 x

Soon after saw the ♂ running in the grass in its 'courtship behaviour' with neck outstretched arched sort of abruptly around the middle with chin feathers puffed and plumes erected over the head (this may have been due to the wind).

The head neck and body axis held parallel to the ground with the ~~beak~~^{beak} slightly pointed into the ground. Mostly in this posture it was seen only briefly as rest was lost in the grass. It seemed to stop and then raising

head well above the grass and body held at an angle to the ground would snap the the head ~~back~~ into its back. The head & neck in the upward ascent and till just before the snap would maintain the abruptish bend in the neck. Plumes were erected over the head.

This seemed snapping was seen either in intervals or one soon after the other, after the 'parallel run or stalk' it seemed to sit back in the grass before raising head and body to snap. At the moment the head hit the

back the wings still closed would be thrust away from the body showing white against the black of stomach, breast, neck & head. After the ^{initial} swift & parallel run, the parallel position was observed more in a stalking manner. The objects of its passes was not visible and the ♂ seemed to be constantly searching in the grass for something the ♀. This was performed by sitting low and erecting only the head (chin feathers puffed & plumes in front) above the grass and looking. The parallel stalk ~~and~~ was the mode of movement followed by the snap of head, both performed repeatedly.

6:40 The ♀, so far not seen, obviously sitting tight in grass suddenly got up and ran as the ♂ seemed to have found her position. The ♂ followed in the same parallel run.

6:45

6:45 ♀ sat abruptly in the grass tightly and the ♂ lost her as it carried on a few mts. stopped snapped head and looking this way and that, parallel stalking snapping repeatedly. ♀ had only her head above the grass and she seemed to be keeping an eye on the ♂. The tactic adopted by the ♂ seems to locate ♀ seemed to be a sit in the grass after snap parallel stalk etc and only keep head above the grass. To locate the ♂ obviously ♀ would have had to erect neck thus betraying

her position. But he was not so lucky, and repeating the whole procedure over and over again moving 2-3 mts in one way and snapping then 2-3 mts in another and snapping and so on the ♂ once again came close to the ♀ and 7:10 suddenly seemed to locate her as he moved in her direction rapidly. ♀ promptly got up and ran with ♂ in the parallel posture giving chase. lost both to eye.

7:20 Display began. Obviously ♂ too had lost the ♀ or decided to start from scratch.
17 jumps from one spot.

7:30 Disturbed by man.
display 3 times and then lost to eye.

7:35 ♀ flew and landed 50-75 mts away.
Did the ♂ become amorous again?

7:40-7:50 16 jumps.

7:50 x x x x x x

7:55 preened momentarily

x x

Sun coming out

8:00

x

partial clouds etc.

8:05

x x

8:10

x

Display from same spot lot of look around.

8:15

x x x

in between ran in a ~~head~~ parallel posture but not sure. displayed almost immediately after. more likely insect.

8:20

x - x x x

(78)

8:25 x x x x x x x x

8:30 x x x x x x x x x x

8:35 x x x x x x x x

8:40 x x x x x x

8:45 x x x x x x

8:50 x x x x x - x -

8:55 x - x - x

9:00 stat. foraging

9:05 foraging.

9:30 foraging.

9:45 foraging.

9:50 display starts.

x x x x

9:55 x x x x x

10:00 x x x x x x

10:05 x - x - x - x - x - x - x - x x - x

10:10 x x x - x

10:15 x x x

10:20 - 10:35 x x x x x x x x x x x

upto 10:50 :- displayin but not counted.

10:50 x x x x

10:55 x x x x x

11:00 x x x x

11:05 x x x x x x x x

11:10 x x x x x x x x

11:15 x x x x x

11:20 foraging.

11:30 foraging.

11:50 foraging.

12:15 foraging in crop field (left field.)

(29)

2/9/85

Morning.

cloudy hidden sunrise.

6:05

xxx

6:10

xxxxxxxxxxx

6:15

7/9/85

Evening.

Sunny weather.

5:30 p.m onwards.

♂s on ridges 2 and 4 displaying

8/9/85

Morning

Weather sunny.

Insect census.

Evening.

partly cloudy sunny.

around 6 p.m.

Placed ♀ dummy in front of hide, ♂ was displaying actively came closer continued display. after a long time it approached the dummy in the typical walk and but seemingly more half hearted it came close looked around and carried on to display 15-20 mts away. Obviously the dummy did not fool it. some time later the ♂ charged at in the typical posture after a genuine ♀ and did its courtship display. (Though not observed properly). The ♀ ran away with the ♂ in pursuit. And some time later the ♂ returned and resumed display. The

dummy was completely ignored.

on the opposite ridge i.e. small part close to the earlier 2 acacia trees one ♂ was displaying from the same / close location as on the 1st evening.

The hide ♂ seemed to display and look to see the effect on the other ♂ or soon after hearing the rattle would jump. When 3 harrier came very close (20-25 mts) ♂ cocked tail in threat.

9/9/85

Morning.

lightly cloudy turned into a hot sunny day.

5:45 day break lightly cloudy.

5:55 ♂ displaying.

↓ 6:00 "

↓ 6:40 still displaying.

6:45 ran as though after a ♀ but surfaced 25-30 mts away resumed display.

7:30 still displaying actively.

↓ 7:45 displaying sun came through briefly.

↓ 8:00 "

↓ 8:30 "

↓ 8:45 "

↓ 9:00 "

↓ 9:30 " sun coming through.

9:40 " strong sun.

10:00 "

10:15 " left field.

located from sound and sight 2 different ♂'s one on the opposite ridge i.e. small part of

(81)

and one further down on the same ridge on
side of about 150 uts down stream. Both displaying
actively.

Evening.

Sunny clear skies.

Sat in hide of displaying; on ridge
4 small part displayed sporadically; on
lower slope not heard till later but also
displaying.

10/19/55

Morning.

clear sunny.

Went down to Manchu bleed Patalaku
which lies to the west of Gordhanpura and
to the south of Adoniya. 1 of was seen
displaying seems to have established its territory.

Evening.

clear sunny stray clouds.

Sat in hide. All 3 of's were present and
displaying. Once a harrier came and landed
within 5-10 uts of hide. of which was about
10-15 uts further away came rushing at it and
chased it away. Harrier did not return.
of resumed display immediately.

(82)

11/9/85

Morning.

clear sunny.

All 3 ♂'s around the hide displaying actively. ♂ on ridge 2 also displaying actively. All seem to have settled into their territories. In plantation area and beyond no sightings.

Evening.

cloudy windy slight brief drizzle.

Hide ♂ and Bi Babul ♂ displaying. ♂ on lower slope not seen/heard but Chewidhaav said earlier was displaying. In Nanchu bleed ♂ was displaying. Earlier couldn't sight ♂ on R.2.

12/9/85

Morning.

clear sunny windy

all 3 ♂'s around the hide displaying. on ridge 2, ♂ displaying.

Evening.

clear-clouded up rained ^{very} briefly windy

♂ near hide displaying but covering much wider area than before. ♂ by Babul also displaying

13/9/55

cloudy / Sunny ; strong winds

Morning.

6:00 :- lightly cloudy

6:10 :- x x x x x x x

6:15 :- x x x x x x x x x x x

6:20 :- x x - x x - x x -

6:25 x x x - x -

6:30 displaying

6:35 "

6:50 "

7:00 x - x x x x x x x

7:05 x x x x x x x x x

7:10 x x x x x x x

7:15 x x - jumping at an insect.

7:20 - x x - x -

7:25 - x - x - x x x x x x x x

7:30 x x x x x -

7:35 x - x - x x - x x x

7:40 x x x x x x x x

7:45 x ran beak through neck feathers

x x x x x x -

7:50 - x - x x x -

7:55 ~~was~~ displaying

8:10 displaying

8:15 - x x x x - x x x x

sun out briefly

8:20 x x x - x x x x x

8:25 x x x x x x x x x

8:30 x x x x x x -

8:35 - x x -

8:40 foraging

sun out becoming hot

8:45 x x x x

85

- 8:50 x x x x
- 8:55 displaying
- 9:00 displaying
- 9:05 \longleftrightarrow
- 9:35 foraging; flushed landed 40 to 50 mts away
head was cocked back in flight.
- 9:45 Foraging.
- 9:50 ♀ foraging ♂?
- 10:15 ♀; ♂?

left field.

Evening.

sunny became cloudy brief shower.

Babue ♂ and hide ♂ displaying, ♂ on lower slope seems to have changed territory.

Hide ♂ has changed its jumping area from near the hide to about 50-60 mts downslope closer to where the 3rd ♂ was displaying. Spent only a very brief time by the hide.

Placed new hide by the new area.

14/9/85.

Morning / afternoon.

clear sunny

Both Hide and Babul ♂ foraging displaying at their areas. A ♀ came foraging over small pant - lost between small & main pant.

10.30 ↔

11.00 ↔

11.30 ↔

12.00 ↔

12.30 ↔

1.00 ↔

1.30 ↔

1.52 x

1.55 ♂ is foraging. Display was accompanied with a faint rattle. ♂ is panting with beak open from the nest.

2.05 foraged slowly out of sight.

2.25 foraging. has moved around considerable distance. still panting.

2.40 foraged out of sight. Foraging is slow and leisurely accompanied by many lookarounds. occasionally making as if to jump but they carry on.

3.00 ↔

3.15 ↔

3.30 standing looking around.

3.35 - x -

3.40 foraging / standing looking around.

3.45 "

3.52 - x -

3.55 moving / looking around / making as if to jump
then moves on.

- x -

4.00 x ruffled out feathers etc.

x -

4.05 x - x - x - x -

4.10 - x - x - x x

4.15 standing looking around. still panting slightly.
shook out feathers.

4.20 - x - x

4.25 -

4.30 - x -

4.35 x x x x

Just before jumping the plumules around
the chin throat are erected and then it jumps.
On landing these are still erect but as the
head is slowly extended up they subside.

left field

evening

Both ♂'s displayed.

15/9/85.

Morning.

sunny.

♂ on R.4 Hide displaying.

♂ by " Babue displaying very sporadically.

Evening.

sunny

~~sudden shower~~

♂ on R.4 Hide displaying.

♂ by " Babue ?

16/9/85.

Morning.

sunny

♂ on R.4 Hide displaying.

(C) 7:00 Another ♂ flew from near Hide territory and landed towards Idwanya before cropfield. ???

Evening.

sunny

sudden rain very

windy.

♂ by R.4 Hide displaying.

located ♀ on nest. position of nest is in long grass a round bare scrape in the grass which is over 50cm in height. 4 large eggs; olive green eggs with slight brownish blotch.

Position of nest is on ridge 4 on the downward slope towards small part within 100m of displaying ♂, a ♀ who has shifted his territory move down ridge but still on the top is the location of nest / female known to him?

(2)

17/9/85.

Morning.

Sunny

Sat in hide (c) 30 mts from nest. No sign of ♀ but likely as looking at the wrong spot.

7:20 :- ♂ came to within 35-40 mts of nest displayed twice and ran back presumably to its territory. No sign of ♀ / reaction. After the first jump (heard) saw him standing looking at the

Sunny.

Evening.

♂ on R. side displaying actively.

No sign of ♀. Eggs warm.

(89)

20/9/85

18/9/85

Evening.

Sunny.

♂ on Ridge-4 hide displaying.

♀ seen foraging in morning by @c'howkidaar.

19/9/85.

Morning - Sunny.

Morning. Hide ♂ displayed sporadically.

not sunny. windy.

Evening.

Hide ♂ displaying.

In Nauchy bleed ♂ displaying. close to display area ♀ on nest 3 eggs in shortish grass. Flashed from the eggs. laid traps to catch the ♂. No luck.

20/9/85.

Morning Sunny.

Tried to snare Hide ♂ no luck.

Evening. rainy/cloudy.

@ ♀ on seen foraging on slopes facing Ridge 1. on Ridge 2.

21/9/85.

Evening. Cloudy/PM

♀ on nest R.4 flashed from eggs. In Nauchy Bleed Eggs seem to have hatched earlier. Found on shell more or less ~~intact~~ half intact and some smaller pieces. Few mbs away from nest in sparser grass.

No sign of ♀ or chick.

♂ on Nauchy Bleed not heard displaying.

found nest of whistling teal 9 eggs (on ridge-2) saw change of parents for incubation.

22/9/85.

♂ on Ridge-4 caught colour banded ^{red.} and rlyed. on release ran away from us uttering plaintive whimpers. first time hearing this sound.
♂ on ridge-2 displaying actively.

22/9/85.

Morning. cloudy ~~Rain~~

Attempted to catch R-2 male unsuccessful
Displaying. (* see after 24/9)

Evening. cloudy

R-2 ♂ displaying

23/9/85.

Morning cloudy/rainy.

R-2 ♂ displaying

Evening. cloudy/rain

Nest of Ridge-4 ♂ & ♀ hatched. Ironically one egg shell found on compressed patch where hide was present. ♂ not displaying morning and evening. No sign of ♀ & chick. R-2 displaying.

24/9/85.

Morning cloudy/sunny

2 more shells close to each other found on the patch of scant short grass not more than 10 cm long.

Distance of shell ① = 13.25 m. up slope

Distance between shell ② & ③ = 6.35 m. " at a very slight angle from first shell.

Grass height around nest.

incm. 90 & , 100, 20, 50 60.

(1)

one sparse butea bush 30 cm in height
height with 6-8 leaves. Nest nestled at
the base of the butea plant.
♂ not displaying.

Evening.

cloudy/sunny.

♂ on ridge-2 displaying. when disturbed flew
off with a rattle and head against shoulder.

24/9/85.

Evening Morning cloudy.

♂ on Ridge-2 displaying in crop field.
disturbed while laying trap. Crossed the road
and returned when Ali Hasan came back
displayed again in crop field.

8:07 R.2 ♂ saw another ♂ at the bottom
of the crop field about 75-100mts away
and started running towards it. New ♂ set
at end facing R.1

8:09 R.2 ♂ seems to have chased it into flight
New ♂ landed on R.1. Breed about 300mts away
R.2 ♂ resumed display soon after at the
same point.

8:40 R.2 ♂ started walking towards new
♂ (when it displayed once or twice) displaying
occasionally enroute. flew across the rivulet
and landed close to new ♂. Both in
agressive posture with tails cocked etc
doing 'parallel walk'

8:44 dominance tussel going on. sometimes

(42)

one loses sight of the other in the tall grass, soon, to resume again.

8:46. Both stopped close to each other, and sort of sat in the grass (?). Some moments later they jumped at each other and one flew 15-25 mts away and started running away. A moment later the other followed in pursuit, went on for about 100 mts when the chased took to flight and landed in tall grass on R.2. After it had landed the chaser took to flight with a rattle and landed close to the chased in the tall grass. Both were lost to eye.

No sign of the two for quite some time after.

25/9/85

Morning.

Early cloudy became sunny throughout day.

R.2 crop field.

- 5:50 x x x cloudy.
- 5:55 x x
- 6:00 x x x x
- 6:05 x x x x x x x -
- 6:10 x x - x x x x x x -
- 6:15 x x x x x
- 6:20 x x x
- 6:24. Man walking path. Florican skulked
away and hid in a clump of tallish grass
- 6:29 ♂ moved out of clump 1/2 - 1 mts away.
- x
- 6:30 x x x x x x x x
- 6:35 x x x x x diffused sun.
- 6:40 x x sun coming through.
- 6:45 Standing looking around.
- ↓ 1 ♂ displaying on opp. ridge (3)
- 6:55 Started foraging moved into tall grass on
opposite side of the road.
- 7:00 in tall grass mostly looking around.
- 7:05 " some movement.
- 7:10 stopped in shorter grass looking around. ↓
- 7:15 " Becoming cloudy.
- 7:20 "
- 7:25 By Butea looking around. cloudy.
- 7:30 same spot lowered body only heard
above grass looking around.
- 7:40 Standing looking around.
- 8:00 " same place.

- 8:05 lost sight
- 8:10 Spotted standing in grass further down
lookily around.
- 8:15 ♂ moving in grass.
- 8:20 looking around. Sun out.
- 8:25 ?
- 8:30 ♀ fastly looking around.
- 8:35 (♂ on 3 displayed)
x x
- 8:40 x x sun becoming strong.
- x - x - x - x - x - x ↓
- 8:50 foraging.
- 9:00 foraging.
- 9:05 In one place looking around / restily.
- 9:10 looking around / restily.
- 9:15 "
- 9:30 foraging.
- 9:35 "
- 9:40 "
- 9:45 "
- 9:50 "
- 9:55 Restily in shade of Butea
- 10:00 "
- 10:05 Resumed foraging
- 10:10 foraging.
- 10:15 "
- 10:20 "
- 10:25 "
- 10:30 "
- 10:35 standing lookily around. hid at approach
of man.

(95)

10:38 got up resumed foraging.
10:45 foraging.
10:50 Starling by butea.
10:51 preening.
10:57 stopped preening resumed foraging.
11:00 foraging.
11:05 "
11:10 foraging.
11:20 foraging.
11:23 x x
11:25 foraging
11:30 "
11:45 "
11:50 foraged out of sight.
left field shortly after.

Evening

Sunny.

♂ on R.2 displaying.

♂ on R.3 displaying.

Ali Hassan^{ed} ' Apparently a harrier (marsh?)
was coasting along when R.3 ♂ was displaying
and then it swooped at the ♂ who
took to flight and flew and landed on
R.2. Re harrier apparently chased for a
while before giving up!

Sighting of *A. flavicans* /
crop area or grassland.

All ingranal.

1985.

Date	Crop	Breed.					
26/7		1♂		1/9		♂	
28/7		1♂					
30/7		3♂					
31/7		2♂					
1/8		2♂					
2/8		2♂					
3/8		2♂					
4/8		2♂					
5/8		2♂					
6/8		2♂					
10/8		1♂+1♀					
13/8		1♂					
15/8		1♂					
16/8		1♂					
18/8		1♂					
19/8		2♂+1♀					
20/8		1♂+1♀					
21/8		3♂					
27/8		2♂					
28/8		2♂					
29/8		2♂					
30/8		1♂+1♀					
31/8		2♂+1♀					

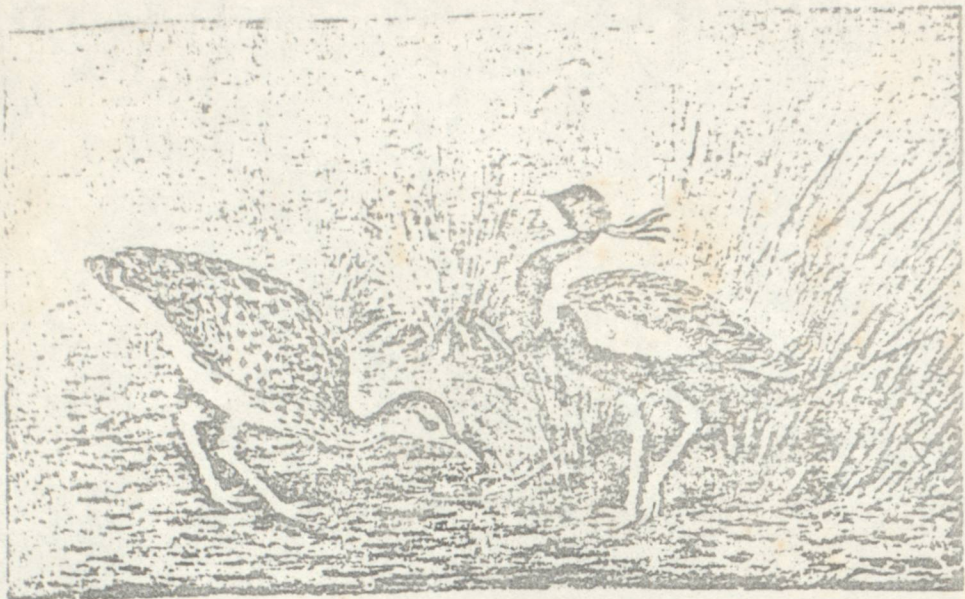


The author
ing page)

Rainfall Data of Lesser Florican breeding range: 1981-1989
 (T= total rainfall in 00.0 mm; N= Nos. of rainy days)

LOCATION : AHMEDABAD.

WEEKS	1981		1982		1983		1984		1985		1986		1987		1988		1989	
	T	N	T	N	T	N	T	N	T	N	T	N	T	N	T	N	T	N
June 1-7	0.0	0	0.0	0	0.0	0			1	1	0	0			0	0	0	0
8-14	0.0	0	18.9	3	0	0			0	0	0	0			6.4	1	19.5	5
15-21	0.0	0	0.0	0	16.1	1			0	0	18.5	3			30.8	1	48.3	2
22-28	39.3	3	0.0	0	78.2	4			0	0	24.6	6			1.1	1	0	0
July 29-5	27.9	5	12.1	1	41.4	6			1.7	2	2.9	4	3.2		59.1	3	64.1	5
6-12	134.5	4	7.7	1	115.6	1			0	0	1.7	3			26.8	3	21.9	3
13-19	115.4	6	53.5	3	214.7	6			227.5	7	13.1	1			155.3	7	72.5	4
20-26	72.6	5	198.8	5	138.5	7			23.5	4	10.5	3			131.3	7	99.9	3
Aug. 27-2	8.2	5	9.2	4	98.6	7			42.6	7	47.1	6	1.2		53.7	7	17.6	4
3-9	1.5	3	23.5	5	72.9	6			139.7	6	63.3	6			109.4	6	3.5	3
10-16	148.3	7	86.2	5	101.6	6			11.4	5	17.5	5			17.2	4	42	3
17-23	196.9	7	117.2	7	61.7	6			27.7	4	17.8	4			2.7	4	288.9	7
24-30	59.1	7	2.8	1	15.3	5			9.9	3	4.9	2			51.7	6	72.9	6
Sept. 31-6	5.0	1	0	0	25.2	5			9.3	3	0.4	1			2.2	2	0.2	1
7-13	0.6	1	0	0	63.8	4			0	0	0	0			19.5	2	0	0
14-20	10.8	3	0	0	0.2	1			0	0	0	0			0	0	0	0
21-27	65.3	3	0	0	10.6	2			0	0	0	0			61.3	6	6.3	2
Oct. 28-4	1.8	1	0	0	38.2	3			0	0	0	0			0.1	2	0	0
	882.2		529.9		1011.2				543.3 492.3		47.6 437.6				728.6		709.8	



The Likh (Lesser Florican) Syrrhaptes indica

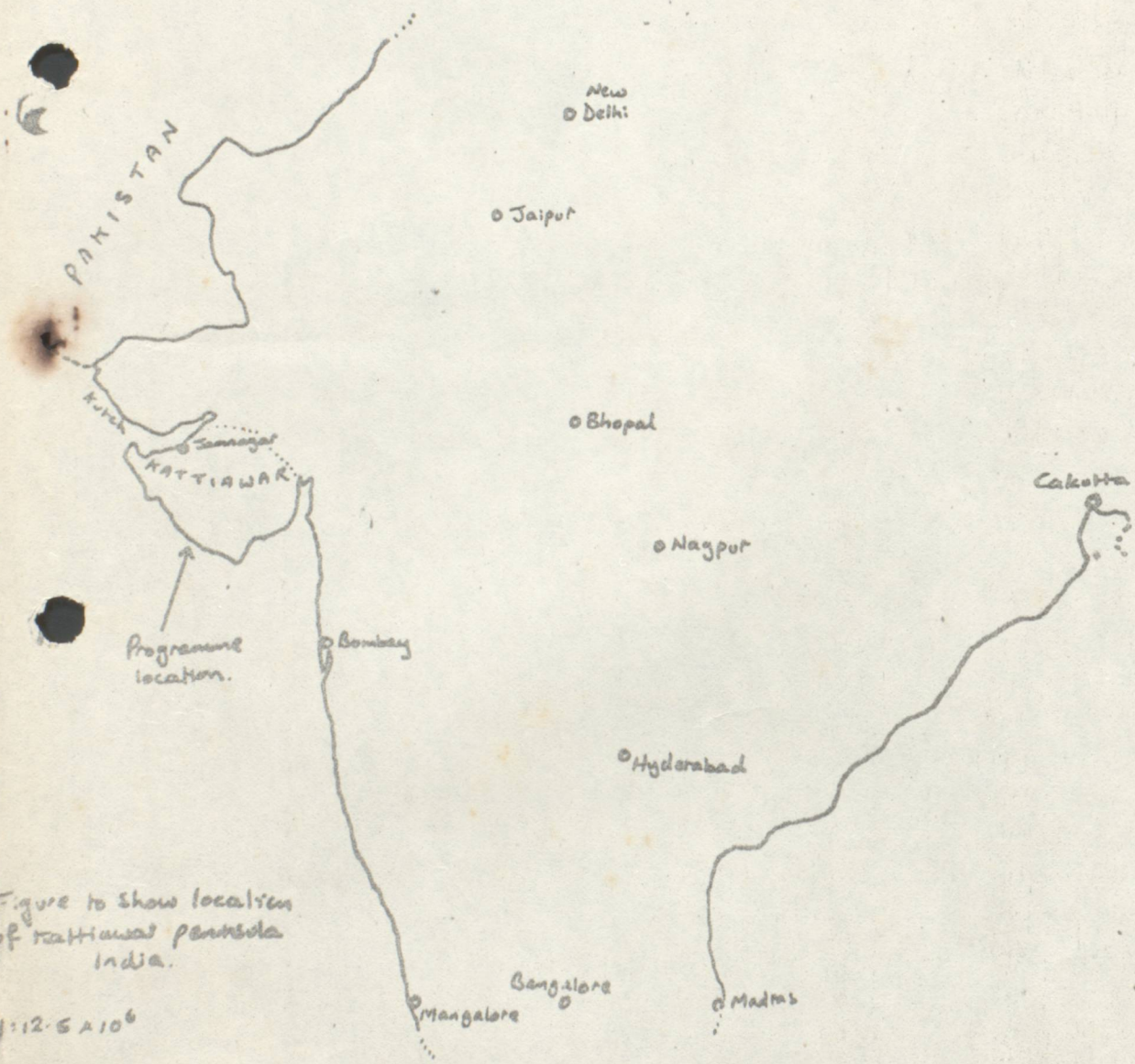


Figure to show location of Kattiawar peninsula India.

1:12 SA 106

Primary feathers data of Lesser Frigate

♂				♀			
11 primaries overall narrow and pointed. length of wing 195 mm 1st primary normal 11th primary minute outer primaries narrower than inner primaries.							
Primary nos.	length of notched part in mm.	width of N.P. (centre C.) in mm	Remarks.	Primary nos.	l. of notched part in mm	width of N.P. (C. centre) in mm	Remarks.
1	normal	-		1			
2	(*) 46.0	8.3		2			
3	45.5	7.7		3			
4	51.1	7.7		4			
5	62.7	7.2		5			
6	56.7	6.7		6			
7	55.5	4.4		7			
8	54.4	4.4		8			
9	52.5 52.8	3.8		9			
10	51	2.9		10			
11	minute	-		11			

(*) Notch indistinct.

Temp. °C	Rate	Rate	Rate	Rate	Rate	Rate	Rate	Rate	AVG RATE
25.0	1.64	1.15							1.14
25.3	1.45								1.45
26.0	1.3	0.67							1.0
26.1	1.0								1.0
26.5	0.8	1.8	1.35	2.0					1.49
26.7	1.3	1	1.35						1.22
27.0	1.6	0.6	0.4	ditto	0.4	1.25			0.71
27.2	1.75								1.75
27.5	0.65	1.6	0.95						1.07
27.8	0.9	1.0							0.95
28.0	3.33	1.87	2.25	0.2	0.6	0.73			1.50
28.5	1.5								1.50
29.0	0.2	2.5	2.5	1.9					1.78
29.4	1.3 0.65								1.3
29.5	1.4	1.5							1.45
30.0	1.4	1.15	0.95						1.0
30.5	1.8								1.8
31.0	1.6	0.7	1	1.2					1.13
31.5	0.2								0.2
31.07	1.1	1.1							1.1
32.0	1.5	1.3							1.4
32.5	0.22								0.22
32.8	0.7								0.7
33.3	0.5 0.25								0.5
25.6	1.25								1.25
32.2	0.05								0.05

lesser florican.

temp vs Display rates.

L.F. distances between water

400

525

450

275

450

325

350

300

450

300

275

410

310

325

350

mean = ~~370.77 mm~~ 366.33

SD = ~~81.44~~ 76.45

Max = 525

Min = 275.

Summary of Lesser Florican ringing data (Dharmakumarsinjhi 1950)

Year	No. Ringed	No. Recov.	(Year Ringed)	Location	
				Same	Other
1943	100	-	-	-	-
1944	99	2	(1943)	0	2
1945	111	0	-	-	-
1946	100	2	(1944)	1	2
		1	(1945)		
1947	67	1	(1944)	5	4
		1	(1945)		
		7	(1946)		
1949	11	1	(1945)	0	2
		1	(1947)		
1950	0	1	(1949)	0	1
Total	488	17		6	11

Total birds ringed : 499
 Nos. of males : 488
 Nos. of females : 1

Overall recovery : 3.48%
 From same location : 1.23%
 From other location: 2.25%

1948 was a drought year. 0 birds ringed as none settled to breed.
 Lone female omitted from calculation.

LESSER FLORICAN DISTRIBUTION OF AGONOSTIC ENCOUNTERS

KOLMOGOROV-SMIRNOV TWO SAMPLE TEST RESULTS

MAXIMUM DIFFERENCES FOR PAIRS OF VARIABLES

BREEDING SEASON IN THREE PARTS
X=FIRST, Y=SECOND, Z=THIRD

	X	Y	Z
X	0.000		
Y	0.400	0.000	
Z	0.800	0.800	0.000

TWO-SIDED PROBABILITIES

	X	Y	Z
X	1.000		
Y	0.820	1.000	
Z	0.080	0.080	1.000

Florican display recordings

DAHOD	Sailana
031 Fair	308
043	310
070	317 <u>54</u>
082	320
087	322
091	329
095	336 <u>51</u>
098	347 <u>9</u>
101	351 <u>9</u>
104	359
126	362
135	363
139	370
141	373
145	376
152	379
157	401
164	403
166	407
170	410
178	414
182	418
190	422
197	429
200	433
203	434
206	441
209	452
217	504
220	507
222	513
226	521
232	536
253	545
257	548
259	551
262	555
264	558
266	560
273	567
275	568
280	575
281	577
283	580
286	582
292	584
294	590
298	595
300	
301	
306	

Week of season	1985	1986	1987	1988	Total
1	3	0	0	0	43
2	2	3	0	1	6
3	0	4	1	2	7
4	2	2	0	0	4
5	0	1	0	0	1
6	0	3	0	0	3
7	0	1	0	0	1
8	0	4	0	0	4
9	1	0	0	0	1
10	0	1	0	0	1
11	0	0	1	0	1
12	0	0	0	0	0
13	0	0	0	0	0
14	0	0	0	0	0
15	0	0	0	0	0
16	0	0	0	0	0
17	0	0	0	0	

Lesser florican.

weeks of season.

	week of year	1985	1986	1987	1988
June					
32 16-22	1				
23-28	2		1		
July 29-5	3		2	1	
6-12	4		3	2	1
13-19	5		4	3	2
20-26	6		5	4	3
August 27-2	7	1	6	5	4
3-9	8	2	7	6	5
10-16	9	3	8	7	6
17-23	10	4	9	8	7
24-30	11	5	10	9	8
Sept. 31-6	12	6	11	10	9
7-13	13	7	12	11	10
14-20	14	8	13	12	11
21-27	15	9	14	13	12
Oct. 28-4	16	10	15	14	13

$$\begin{array}{r} 1 \\ 66.66 \\ 84.82 \\ \hline 51.48 \\ 2 \end{array}$$

75.74

11/2/83



Bombay Natural History Society

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SHAHEED BHAGAT SINGH ROAD,
BOMBAY 400 023

Ref: 1552/85/

6th April 1985

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Yours faithfully,

J C Daniel
Curator

UB/sa.

2/62.46
31.23

68.77
+37.54
=

31.23
+ 62.77
= 94.00

1
28
6
34 = 17
2

1985

Date	Forage	Resting	Marks	disturb	Aquatic	Count	SSD	FD	O.U.
31/7	59.52	28.57	3.17	3.97	4.76				
3/8	68.32	17.5	2.5	4.16	.83		4.16	2.5	
3/8	26.03	4.11		10		.69	45.21	22.61	
2/9	37.41		.68	.68		7.48	45.58	8.16	
5/8	62.61	28.21	2.52	2.98	1.15			0.23	
15/8	50.79	41.05	5.53	0.79			0.53	1.32	
20/8	50.14		1.73		5.76	6.05	8.93	27.38	
16/9	23.65	1.35		0.68			27.03	11.47	35.8

Date	SSD	FD	Date	SSD	FD
31/7	0	0	20/8	24.60	75.40
3/8	62.46	37.54	31/8	66.66	33.34
5/8	0	100	21/9	84.82	15.18
15/8	28.57	71.43	16/9	70.18	29.82

1986

7/7	50	24	8	3	1	4	3	5	2
31/7	10	4	7	1	1	1	1	75	
8/8	5	7	1	1	3	1	32	50	
12/8	5	4	2	0	7	1	46	35	
25/8	20	4	1	1	0	3	51	20	

Date	FD	SSD
7/7	62.5	37.5
31/7	98.68	1.32
8/8	60.98	39.02
12/8	43.21	56.79
25/8	58.6	41.44
25/8	28.2	71.8

4/8/85 - 5/8/85.

total.

- ✓ 7.00 a.m - ~~at~~ 7.05 - disturbed.
- ✓ 7.05 - 7.28 resting.
- ✓ 7.28 - 9.15 foraging.
- 9.06 - + D.
- 17.30 - 18.05 foraging
- ✓ 18.05 - 18.08 disturbed.
- 18.08 - 19.00 foraging
- 19.00 - 19.20 resting.
- 19.20 - 19.25 foraging.
- 11.40 - 12.10 foraging
- 12.10 - 12.22 resting
- 12.22 - 12.33 preening
- 12.33 - 12.36 resting
- 12.36 - 12.55 foraging
- 12.55 - 1.00 Aquatic.
- 1.00 - 1.25 foraging
- 1.25 - 2.30 resting
- ✓ 2.40 - 2.45 disturbed.

disturbance - 13
 Foraging - 283
 FJD = 1
 Resting = 103
 Preen = 11
 Aquatic = 5

135 + 115 + 185

435

23
 20
 12
 3
 65

 123

1
 20
 12
 3
 65

 100

3
 ✓ 107
 ✓ 35
 ✓ 52
 ✓ 5
 ✓ 30
 ✓ 19
 ✓ 25

 273



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Curator

UB/sa.

15/8/85

7.45 - 8.40	foraging
8.40 - 8.48	resting
8.48 - 8.54	preening
8.51 - 8.57	resting
8.57 - 9.10	preening
9.10 - 9.18	stca
9.12 - 9.14	SSD.
9.14 - 9.55	foraging
9.55 - 10.00	F.D.
10.00 - 10.08	foraging
10.08 - 10.10	resting
10.10 - 10.15	foraging
10.15 - 10.20	resting
10.20 - 10.25	preening
10.25 - 10.27	foraging
10.27 - 10.30	disturbed
10.30 - 10.55	foraging
10.55 - 11.15	resting
16.30 - 17.00	foraging
17.00 - 18.38	resting
18.38 - 19.05	foraging
19.05 - 19.20	resting

Foraging = 50.79
 Resting = 41.05
 Preening = 5.63
 SSD. = 0.53
 F.D. = 1.32
 Disturbed. = 0.79

	P	R	F
			55
		8	4.1
	13	6	8
	3	2	5
	5	5	2
	<u>21</u>	20	2.5
		98	30
		<u>152</u>	27
		156	<u>193</u>
	d		FD
	<u>3</u>	SSD	<u>5</u>
		2	

210 + ¹⁹190 = 380



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19/8/85 - 20/8/85.

17-25 - 1745	Agrestic.
17.45 - 18.00	F.D.
18.00 - 18.05	foraging
18.05 - 18.20	Countship.
18.20 - 18.30	foraging
18.30 - 18.32	F.D.
18.32 - 18.48	foraging.
18.48 - 18.54	Countship.
18.54 - 18.59	F.D.
18.59 - 19.06	foraging
19.06 - 19.07	& F.D.
19.07 - 19.10	foraging.
6.30 - 6.40 8.04	foraging
8.04 - 8.33	SSD.
8.33 - 9.25	& F.D.
9.25 - 9.30	foraging
9.30 - 9.35	F.D.
9.35 - 9.49	foraging
9.49 - 9.55	preening
9.55 - 10.10	F.D.
10.10 - 10.30	foraging.

105 + 240
= 347.

For = 50.14
 Ag = 5.76
 SSD = 8.93
 FD = 27.38
 P = 1.73
 CD = 6.05.

F =

5
 10
 16
 7
 3
 5
 14
 20
 9.4.
 174

Ag = 20

SSD = 31

FD = 13 + 52 + 20

preening = 6

CD = 21

347.



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UB/sa.

1985.

①

No	Date	No of birds	Notes	Notes
1	17/7/85	0		
2	18/7	0		
3	19/7	0		
4	20/7	0		
5	21/7	0		
6	22/7	0		
7	23/7	0		
8	24/7	0		
9	25/7	0		
10	26/7	1 ♂	foraging	
11	27/7	0		
12	28/7	1 ♂	foraging	
13	29/7	0		
14	30/7	3 ♂	agonistic, foraging	
15	31/7	2 ♂	agonistic, foraging	
16	1/8	2 ♂	foraging	
17	2/8	2 ♂	display, agonistic, foraging	
18	3/8	3 ♂	display, (2 forage together)	
19	4/8	2 ♂	display, foraging	
20	5/8	2 ♂	agonistic, foraging	
21	6/8	1 ♂	foraging.	
22	7/8	0		
23	8/8	0		
24	9/8	0		
25	10/8	1 ♂ 1 ♀	foraging	
26	11/8	} no data		
27	14/8			
	13/8	1 ♂ 1 ♀	foraging.	
		0		

No.	Date	No of ♂, ♀	Notes.
30	15/8	1 ♂	display
31	16/8	1 ♂	foraging
32	17/8	0	
33	18/8	0	
34	19/8	2 ♂, 1 ♀	Agonistic, courtship, display
35	20/8	1 ♂, 1 ♀	display early territory.
36	21/8	3 ♂	agonistic 2 early territorial
37	22/8	1 ♂	early territorial territorial display.
38	23/8	1 ♂	territorial
39	24/8	} No data	
40	25/8		
41	26/8		
42	27/8	1 ♂	territorial
43	28/8	2 ♂	territorial
44	29/8	2 ♂	territorial
45	30/8	1 ♂, 1 ♀	territorial
46	31/8	4 ♂, 1 ♀	territorial 1 ♂ display
47	1/9	4 ♂, 1 ♀	3 territorial, 1 display
48	2/9	1 ♂, 1 ♀	territorial
49	3/9	} no data	
50	4/9		
51	5/9		
52	6/9		
53	7/9	3 ♂	territorial
54	8/9	3 ♂	territorial
55	9/9	4 ♂	territorial
56	10/9	4 ♂	territorial
57	11/9	4 ♂	territorial
58	12/9	4 ♂	territorial

1985 (2)

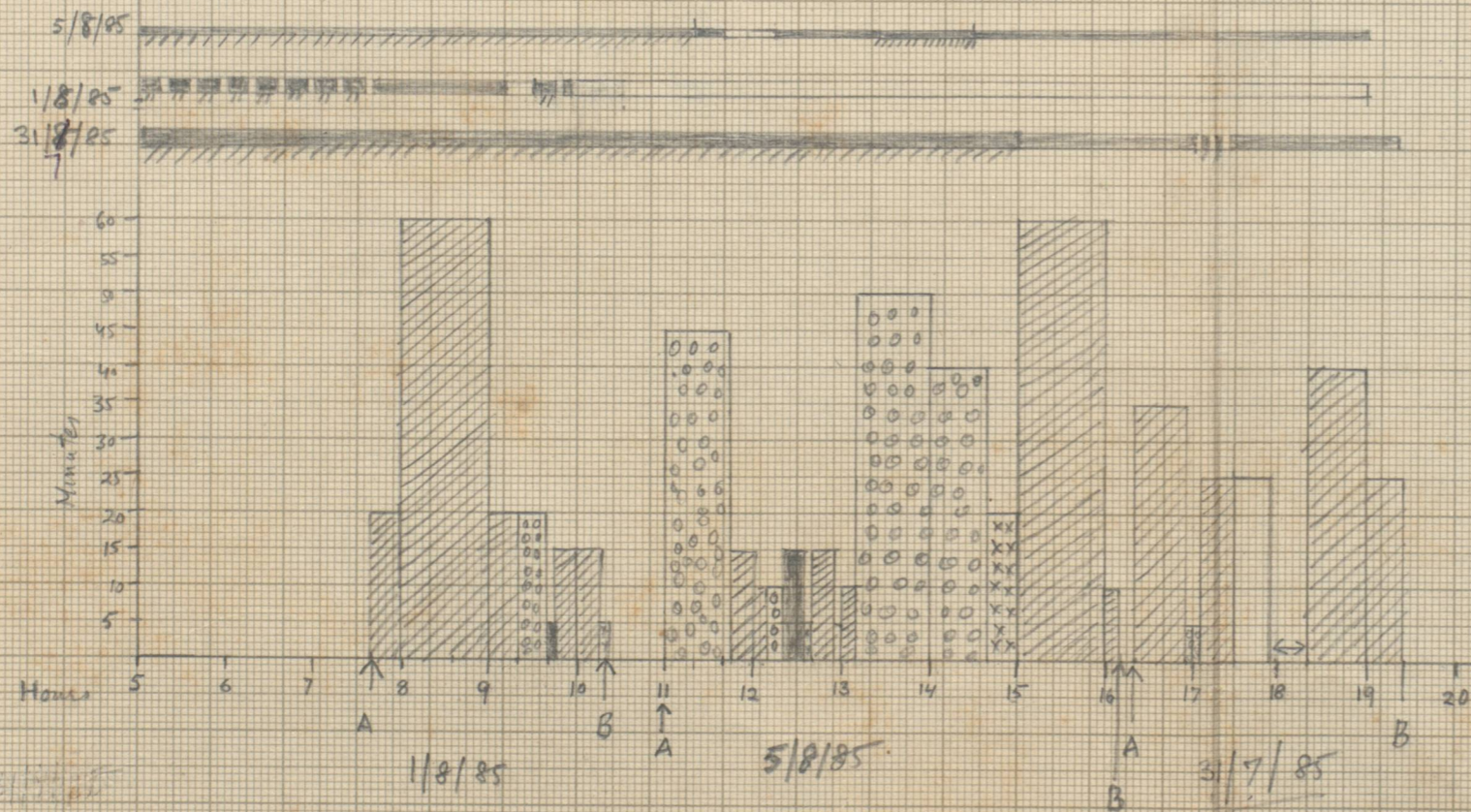
No	Date	No of ♂	Notes
59	13/9	4 ♂	territorial
60	14/9	3 ♂	territorial
61	15/9	3 ♂	territorial
62	16/9	2 ♂	territorial
63	17/9	2 ♂	territorial
64	18/9	2 ♂	territorial
65	19/9	2 ♂	territorial
66	20/9	2 ♂	territorial
67	21/9	2 ♂	territorial
68	22/9	1 ♂	territorial
69	23/9	1 ♂	territorial
70	24/9	2 ♂	1 ♂ territorial, agonistic.
71	25/9	2 ♂	territorial
72	26/9	2 ♂	territorial
73	27/9	1 ♂	??
74	28/9	1 ♂	
75	30/9	1 ♂	
76	31/9	1 ♂	
77	1/10	1 ♂	
78	2/10	1 ♂	
79	3/10	1 ♂	
80	4/10	1 ♂	
81	5/10		
82			

1985

♂ + ♂

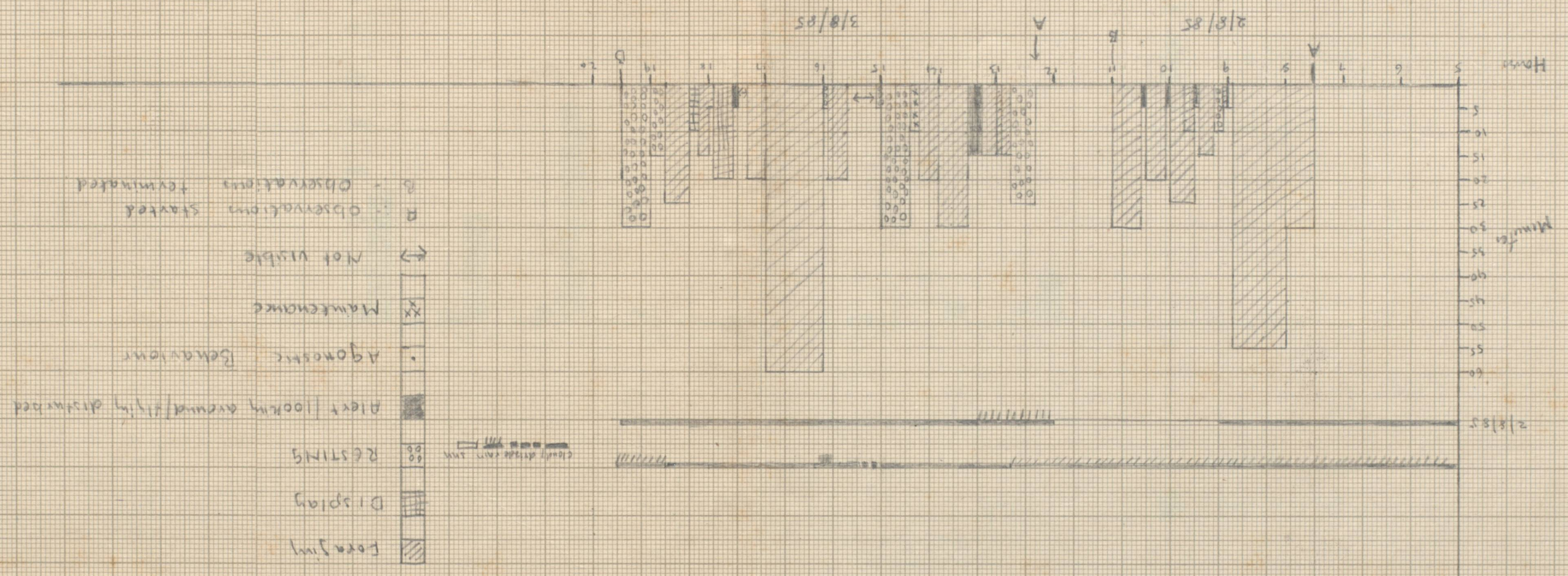
Date	Exc.	dur.	T/F	Agonistic interactions.	DATE	Exc.	DUR	T/F	Notes.
20/7	1	1m	T						
31/7	1	15	T						
2/8	1	2m	T		17/7	1	20+29		territory in crop field
3/8	1	1m	T		17/7	1	7	T	c. 30-60 mt from each
5/8	1	4	T		15/9	1	-	?	same 20/7
19/8	1	17	T&F						
21/8	1	?	-						
									1988
24/9	1	9	F	chased from ridge to other	23/7	1	3	T	
3/8	1	-	none	forage briefly nears each other	25/7	1	?	?	
									1986
5/7	1	3m	T		18/7	1	14	F	
5/7	1	5	T						
6/7	1	9	T						
4/7	1	-		both stably c. 30-60 m from each other.					
7/7	1	20		forage in 20-25 m from each other in crop.					
9/7	21	4	T						
9/7	1	5	T						
14/7	1	12	F						
18/7	1	-	F						
31/7	1	-	-?						
1/8	1	1	T						
2/8	1			10 m apart they display and of other & no reaction.					
8/8	1	15	T						
11/8	1	15	T						
12/8	1	1	T						
12/8	1	15	T						
12/8	1	10	T						
19/8	1	10	T	2 territory holder chasing 3rd ♂					
20/8	1	3	T						
27/7	1			20+29 forage in same field crop be aggressive					
20/7	1	?	F	18 crossed from one ridge to other to fight A♂ which had 5 mt from 18					

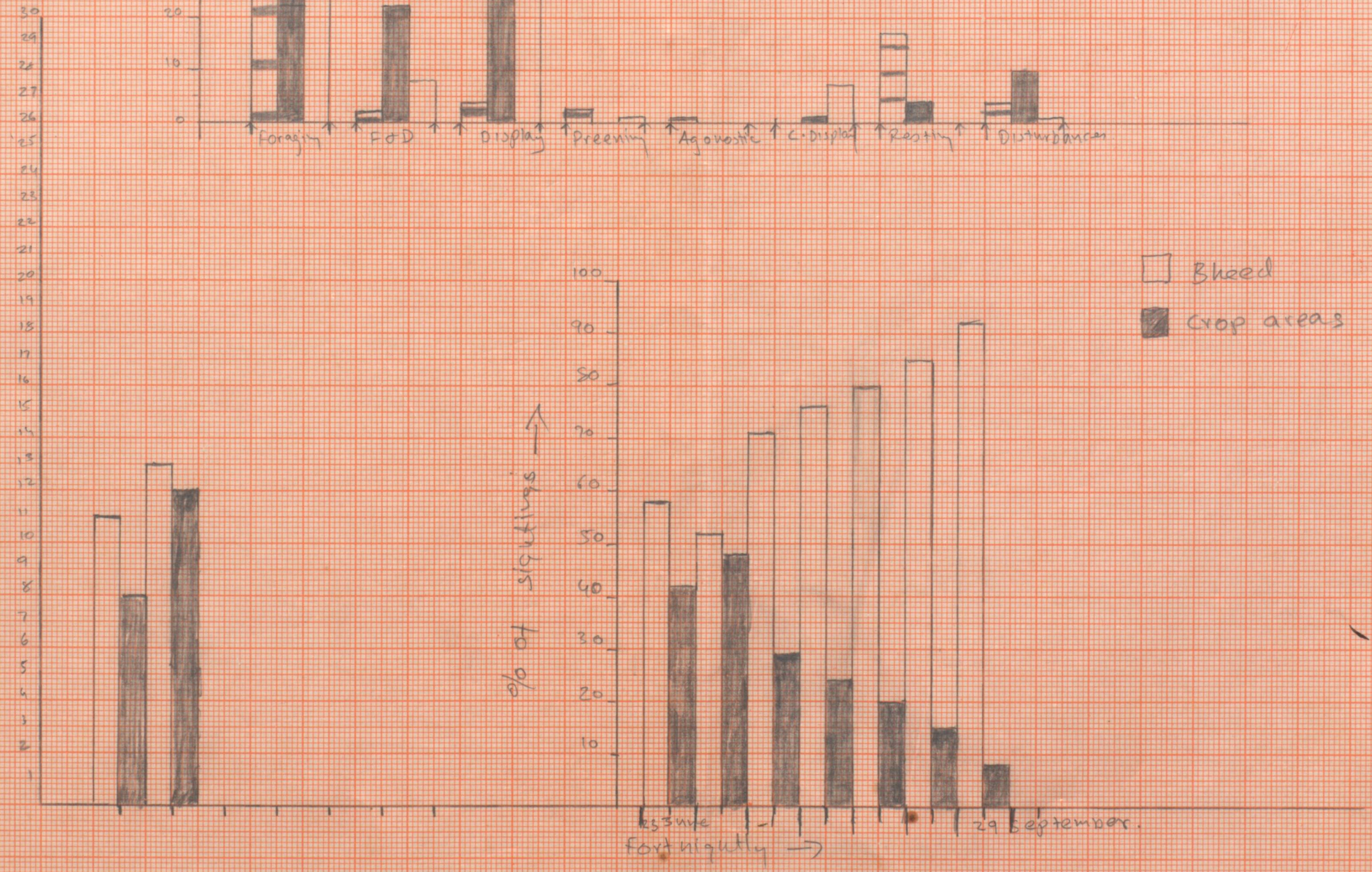
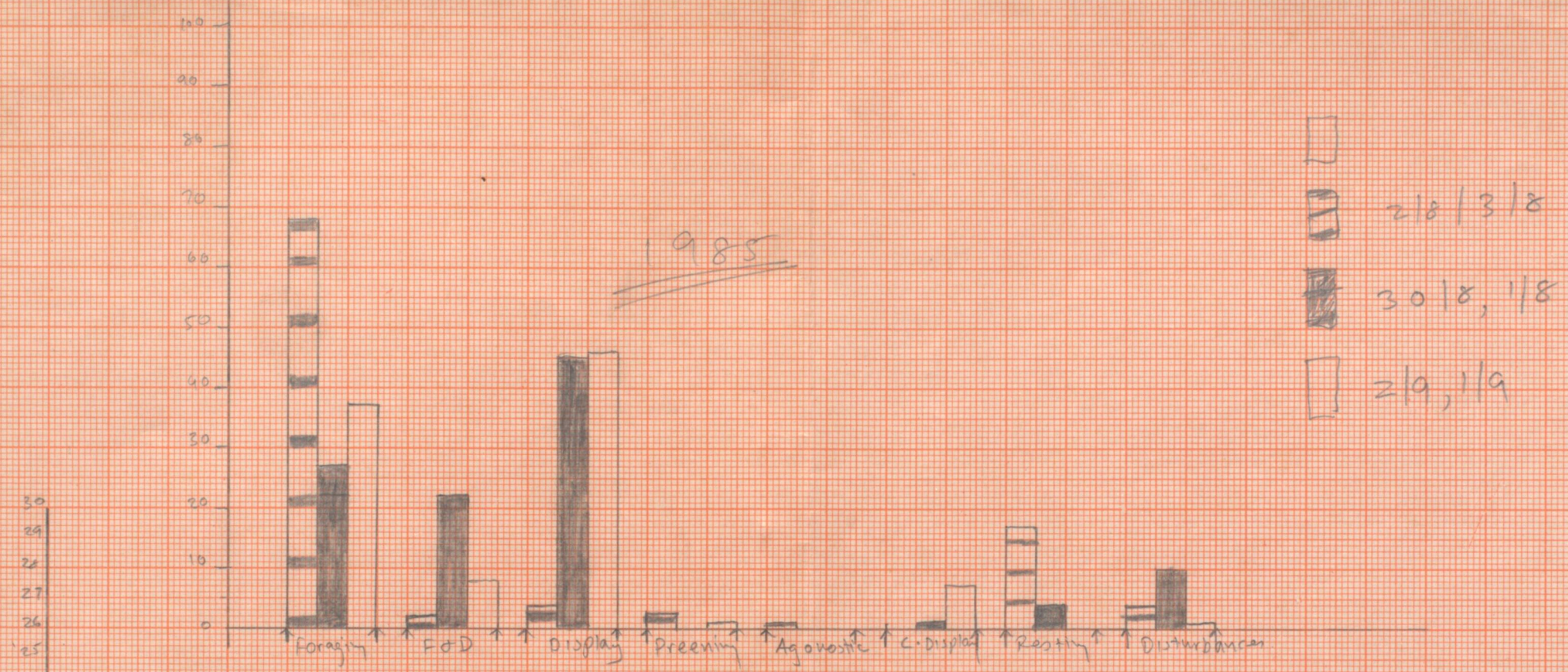
Saruna : Lenes Flouc an
 1985
 Ran Saubaran



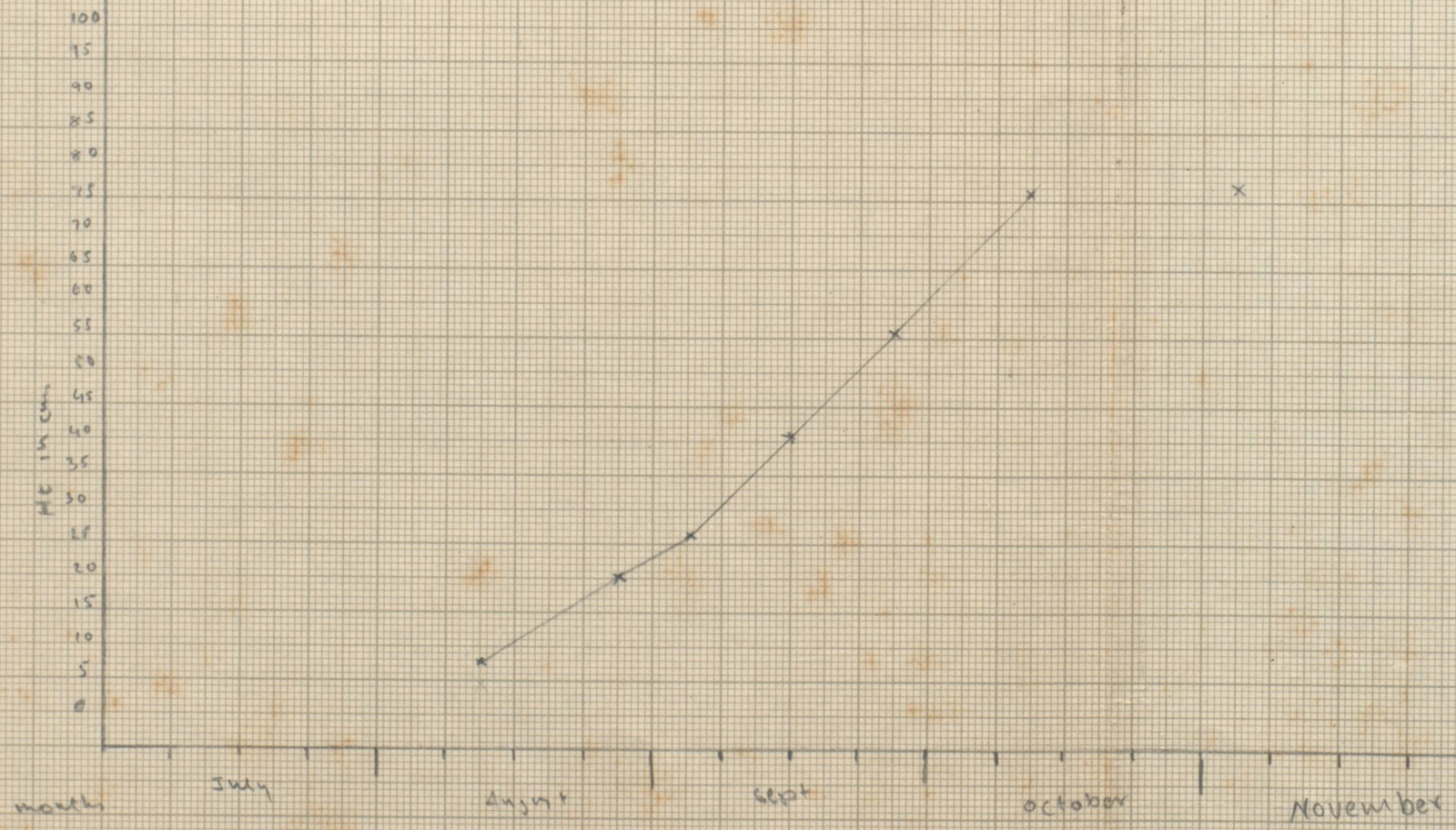
- Keys
- ☁️ Cloudy
 - ☔ Rainy
 - ☀️ Sunny
 - ☾ Sunny
 - ▨ Foraging
 - ▤ Display
 - ⊞ Agonistic Behaviour
 - ⊞ Resting
 - ↔ Not visible
 - ▨ Breeding/Maintenance Activities
 - ⊞ Rest/Looking Around/Flying/Disturbed
 - A: Observations started
 - B: Observations terminated

Salamá - Lesser Florican
1985.





Graph of grass ht.



Weeks
No. of Orthoptera / Lepidoptera

x-x Orthoptera
o-o Lepidoptera
□-□ Coleoptera

