



CORRIGENDA

Page 6, line 18 : 250 to read 311  
 Page 9, line 6 : 10% to read 5%  
 Page 10, line 6 : A. melas to read A males

Under References :

Cuellar, C.B. (1969a) In press to read Bull. Wld Hlth Org., 40, 205-212  
 Cuellar, C.B. (1969b) In press to read Bull. Wld Hlth Org., 40, 213-219  
 Davidson, G. (1969) In press to read Bull. Wld Hlth Org., 40, 221-228

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New Table IV (recalculated from the increase in the number of rooms in Pala from 250 to 300)

TABLE IV : PREDICTED AND ACTUAL HAPPENINGS IN THE VILLAGE OF PALA  
 AND IN THE CONTROL VILLAGES AFTER THE RELEASE OF STERILE MALES IN PALA

| Period       | Females per room per day | (A)<br>Calculated daily emergence (♂ + ♀) | (B)<br>Sterile males required per day | (C)<br>Actual sterile males emerged per day | (D)<br>% of males captured which were sterile | Pala normal species A layings which did not hatch | Control normal layings which did not hatch |
|--------------|--------------------------|---|---------------------------------------|---|---|---|--|
| 10-16/11     | 5                        | 2 400                                     | 72 000                                | 2 600                                       | -   | -   | 0/40                                       |
| 17-23/11     | 2                        | 960                                       | 28 800                                | 4 000                                       | 68  | 3/61  | 1/41                                       |
| 24-30/11     | 1.3                      | 624                                       | 18 720                                | 5 900                                       | 76  | 3/89  | 0/33                                       |
| 1- 7/12      | 1                        | 480                                       | 14 400                                | 6 000                                       | 85  | 2/35  | 2/39                                       |
| 8-14/12      | 0.4                      | 192                                       | 5 760                                 | 5 700                                       | 86  | 3/60  | 0/27                                       |
| 15-21/12     | 0.3                      | 144                                       | 4 320                                 | 4 500                                       | 54  | 0/10  | 0/41                                       |
| 22-28/12     | 0.1                      | 48  | 1 440                                 | 2 500                                       | 87  | 0/4   | -  |
| 29/12-3/1    | 0                        | ?   | ?                                     | 2 300                                       | 89  | -   | 0/21                                       |
| (E) 4/1-13/1 | 0.02                     | 10  | 300                                   | ?   | 61  | 0/2   | -  |

(A) No. of females per room caught by hand is estimated to be 50% of those present and these represent 1/4 of the total allowing for 75% exophily. It is assumed that there are 300 rooms in Pala.

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'p' is reckoned as 0.9, the number of ovipositions taken as 3 and the time for these as 10 days.

$$\text{Thus 5 per room} = \frac{5 \times 2 \times 4 \times 300}{10} = 1200 \text{ females}$$

$$= 2400 \text{ males + females per day}$$

(B) Based on Cuellar (1969b) who calculates that 300 000 sterile males per day will eradicate a population of 10 000 emerging adults of both sexes per day in 13 weeks.

(C) Calculated from daily average for that period less 20% for mortality (varied from 5-16%) and hybrid females (these varied from less than 1% to 11% but most of the time were less than 5%).

(D) Captured both in houses and outside shelters.

(E) Last pupal release was on 3/1/69 but about 1000 larvae were also released and would be expected to produce a few males over the following days.