

Fig. 4

The lines are approximately straight in the dry season. At other seasons they are convex. Little weight should be placed on irregularities at the tails of the curves, as the fifth and sixth weeks of recapture usually get few flies. Note that the slope of the curves increases during the dry season and declines in the rains; but this difference is not nearly so marked as the change in slope between the first two points alone

Figure 4a

Recapture data for 18 months on the Kakoma square. The recapture figures \bar{y} from one to six ^{months} ~~months~~ after release are averaged for the four or five initial dates in each month. From July to December corresponding months of two years can be compared.

Figure 4b

Recapture data for 12 months on the Kisoko square. Note the large annual fluctuation in fly density.

Fig. 4.

(Showing the ~~seasonal~~ effect of season on logarithmic, corrected recapture figures arranged by the "positive" method.) (The continuous lines show the general slope of the curves, assuming them to be straight, an assumption correct in the dry season only.) At other seasons they are convex. Little weight should be placed on irregularities at the tails of the curves, as the fifth and sixth weeks of recapture usually get few flies. Note that the slope of the curves increases during the dry season and declines in the rains: but this difference is not nearly so marked as the change in slope between the first two points alone. (The upper graph emphasises the seasonal changes of slope between the first and second points monthly, by showing all the first points at one level.)

The lines are approximately
straight in the dry season

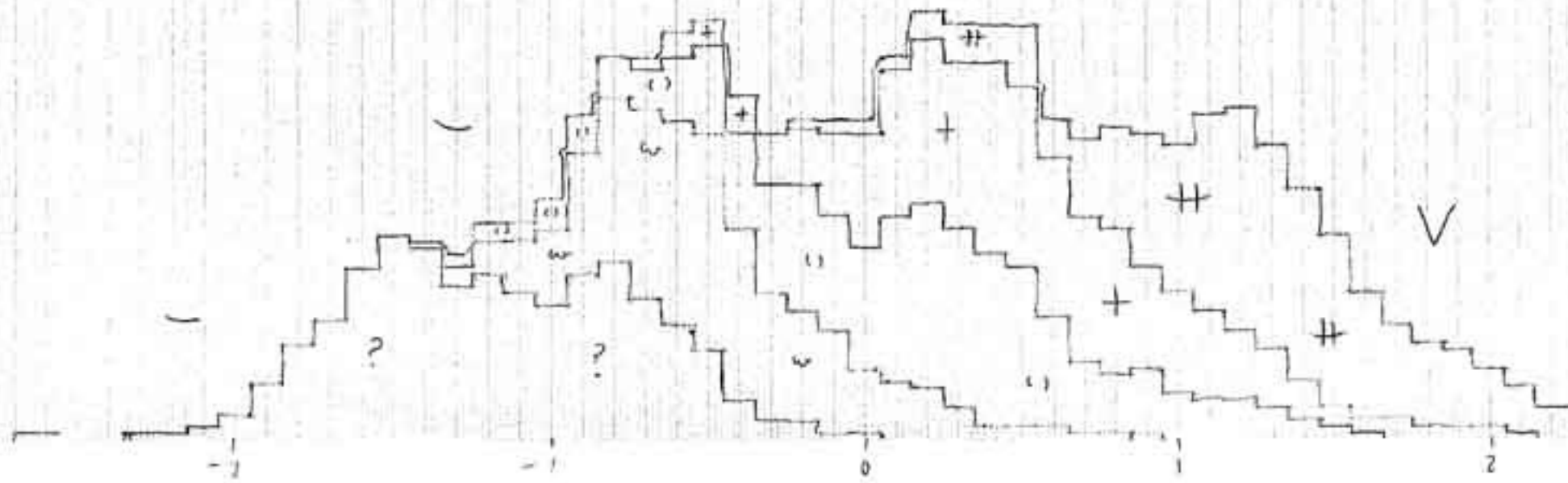


Table VIII

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Aug.	Log	Sept.	Log	Oct.	Log	Nov.	Log
.0734	$\bar{2}.8654$.4695	$\bar{1}.6714$.5215	$\bar{1}.7192$.2698	$\bar{1}.9394$
.0604	$\bar{2}.7810$	.3013	$\bar{1}.4790$	.3800	$\bar{1}.5798$	.4764	$\bar{1}.6780$
.0294	$\bar{2}.4683$	.1788	$\bar{1}.2511$	.2160	$\bar{1}.3345$	.2136	$\bar{1}.3296$
.0250	$\bar{2}.3949$	.0950	$\bar{2}.9474$	.1108	$\bar{1}.0444$	.1422	$\bar{1}.1529$
.0106	$\bar{2}.0253$	.0313	$\bar{2}.4955$	.0828	$\bar{1}.9180$	.0978	$\bar{2}.9903$
.0074	$\bar{3}.8692$	.0275	$\bar{2}.4393$	.0333	$\bar{2}.5832$	.0498	$\bar{2}.6742$

Dec.	Log	Jan.	Log	Feb.	Log	Mar.	Log
.7067	$\bar{1}.8492$	.1650	$\bar{0}.0664$	.6145	$\bar{1}.7886$	.7557	$\bar{1}.8783$
.5005	$\bar{1}.6994$	.3210	$\bar{1}.9143$	.4243	$\bar{1}.6274$	.4425	$\bar{1}.6457$
.4495	$\bar{1}.6524$	.4468	$\bar{1}.6501$	.2708	$\bar{1}.4327$	.2590	$\bar{1}.4133$
.2955	$\bar{1}.4705$	.2966	$\bar{1}.4723$	.1645	$\bar{1}.2161$	.2053	$\bar{1}.3124$
.1875	$\bar{1}.2744$	.1409	$\bar{1}.1461$	.1143	$\bar{1}.0693$	.1250	$\bar{1}.0969$
.0955	$\bar{2}.9800$	.0906	$\bar{2}.9541$	.0745	$\bar{2}.8722$	.0513	$\bar{2}.7101$

Apr.	Log	May	Log	June	Log	July	Log
.4307	$\bar{1}.6342$	.4462	$\bar{1}.6778$	.2614	$\bar{1}.4174$	.2623	$\bar{1}.4188$
.3523	$\bar{1}.5469$	.2892	$\bar{1}.4612$	.2285	$\bar{1}.3589$	.1428	$\bar{1}.2375$
.2240	$\bar{1}.3502$	.1520	$\bar{1}.1818$	.1440	$\bar{1}.1584$	.0423	$\bar{1}.0952$
.1228	$\bar{1}.0892$	.1056	$\bar{1}.0234$	.0755	$\bar{2}.8749$		
.0628	$\bar{2}.4980$	.0416	$\bar{2}.8549$	.0220	$\bar{2}.5051$		
.0583	$\bar{2}.7654$	.0472	$\bar{2}.6709$	.0150	$\bar{2}.1461$		

Table II Katsuma

Table XVII Kisokaw

July	Aug	Sept	Oct	Nov
·6982	·6104	·5200	·3252	·4300
·4708	·3126	·2660	·1715	·2496
·4418	·1620	·1230	·0925	·1276
·1978	·1172	·0572	·0632	·0640
·0828	·0618	·0368	·0278	·0674
·0575	·0420	·0165	·0160	·0342

Dec	Jan	Feb	March	April
·4610	·3644	·3733	·4020	·3403
·3158	·2626	·2933	·3108	·2245
·7828	·1722	·1668	·1708	·1658
·1300	·0942	·1270	·0820	·0713
·0473	·0432	·0693	·0553	·0650
·0373	·0344	·0385	·0357	·0220

May	June	July	Aug	Sept
·2948	·3880	·2500	·2296	·2683
·2048	·2333	·1400	·1222	·1387
·1138	·1180	·0745	·0502	·0785
·0626	·0615	·0235	·0212	·0390
·0536	·0420	·0240	·0146	·0240
·0262	·0195	·0105	·0048	·0097

Oct	Nov	Dec
·2704	·6245	·6942
·1404	·4300	·3860
·0876	·2448	·2265
·0420	·1420	·1253
·0286	·0555	·0525
·0268	·0460	·0198