

Box G. Trypanosomiasis

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1242

1	9.1. 20. 4th H. B. M. H. G. G. G.
2	9.2. 20. 4th H. B. M. H. G. G. G.
3	9.3. at Stream
4	9.4. 20. 4th H. B. M. H. G. G. G.
5	9.5. 9. P. P. P. - 10. P. P. P.
6	9.6
7	9.7
8	9.8
9	9.9
10	9.10
11	9.11
12	9.12
13	9.13
14	9.14
15	9.15
16	9.16
17	9.17. K. K. K. -
18	9.18
19	9.19 Nile
20	
21	9.21 Nile
22	9.22 Nile
23	
24	9.24 - The Lake's water
25	9.25 - The Lake's water
26	9.26. The destruction of work
27	9.27. T. G. in lake above S. P.
28	9.28. T. G. in lake above S. P.
29	9.29. T. G. in lake above S. P.
30	9.30. T. G. in lake above S. P.
31	9.31. T. G. in lake above S. P.
32	9.32. Water, etc. - M. P. M.
33	9.33. House building - M. P. M.
34	9.34. Damsels & family
35	9.35. Healthy cattle - M. P. M.
36	9.36. Sick cattle
37	9.37. One cow sick - M. P. M.
38	
39	
40	9.39. But after a small time
41	9.40. Cattle shed after several M. P. M.
42	9.41. On the way to Kabaanga showing
43	9.42. Rain at Gondokoro
44	9.43. Rain at Gondokoro
45	9.44. Road to Gondokoro
46	9.45. The same road, etc. etc.
47	9.46. Rain
48	
49	
50	

1	Fly Catching a V. N. - Capt. H. B. M.
2	Fly catching on Victoria Nyanza -
3	at Stream - when catching larvae -
4	our house - M. P. M. with flowers
5	9.29. P. P. P. larvae & pupae - 10. P. P. P.
6	S. S. packets, Kyelema -
7	- 10° - (Kyelema)
8	Building a house, M. P. M.
9	our house M. P. M.
10	Bringing food for monkeys - M. P. M.
11	Carrying up water - M. P. M.
12	The sundial - 12 o'clock - "
13	Waterlilies on Lake Victoria
14	Kivo from M. P. M. - looking West
15	Examining cold cattle -
16	View of Bukia bay - M. Kabaanga
17	Kabaanga -
18	From across Nile above Ripon falls -
19	Nile below Ripon falls -
20	Ripon falls
21	New show table from above Ripon falls
22	Masaka, the Roma -
23	The laboratory M. P. M. (dark)
24	10° (light)
25	Fly boxes - in Lab. M. P. M.
26	The destruction of work - "
27	Tree struck by lightning, close to Lab.
28	Table - Dead of T. G. in lake above S. P.
29	" " " " of abundance (and of S. P.)
30	" " " " in lake bed floor -
31	" " " " no flies injected with T. G. in latter
32	Water hole M. P. M.
33	House building (roofing) - M. P. M.
34	Damsels & family - "
35	Healthy cattle - "
36	Sick cattle - "
37	our cow sick - "
38	D. B. Peter & David - "
39	But after a small
40	cattle shed - "
41	on the way to Kabaanga - showing -
42	Nature's Gondokoro -
43	10° -
44	Road by to Gondokoro -
45	Abu Simbel - M. P. M. tomb - -
46	Rosau -
47	
48	
49	
50	

S. 1. Catching flies - Viet? Myung a



G. 2. Fly catching on Victoria Nyang'u



S. B. Wilson Lower *hunting*



G. 4. Our house improved



22

G.5. G. Palpalis & O. motata.



G 6. S.S. patients at Kijitume -



8.7 - SS. patients. Kystume.



G. 8. House building - m/2/11/11



G.G. our house in Kuma.



9. 10. Bringing monkey food -



9.12. The Sundial - 12 o'clock



9.13. Waterlilies in Vic: Nyansa



S. 14. View from Impressum.



9. 15 Examining wild cattle.



9.16. View on Lake Victoria

6.



9.17. Kwana - L. Victoria



9.18. Masaka - The Boma



9.19. Ferry across Lake above Nile



9. 21. The Ripon Falls



G. 22. From above Repon Falls.



G. 24. The Lab. -



9. 25 - Fly boxes in Lab:



9. 26. The Instructor at work



9-28 Tree struck by lightning.



9. 28. Development of T. g in lake-shore

Table I.- Development of Trypanosoma gambiense in Lake-shore Glossina palpalis.

Expt.	No. of flies.	No. of days fed on.	No. of days before flies became infective.	No. of days flies remained infective.
624.	60.	3.	-	-
656.	280.	3.	-	-
663.	60.	2.	18.	75.
676.	500.	3.	29.	47.
721.	50.	3.	-	-
980.	350.	3.	-	-
986.	100.	2.	19.	35.
987.	50.	2.	40.	51.
989.	50.	2.	45.	45.
1020.	100.	3.	-	-
1023.	50.	3.	37.	51.
1026.	70.	3.	34.	48.
1198.	20.	40.	-	-
1372.	100.	3.	-	-

S. 29. Development of I.G. in lake shore

Experiment 624.

To ascertain if development of Trypanosoma gambiense takes place in the alimentary canal of wild or Lake-shore Glossina palpalis.

March 31, 1909. Two batches of Glossina palpalis, caught on the Lake-shore, consisting of thirty flies in each batch, were fed to-day on a monkey whose blood contained numbers of Trypanosoma gambiense.

The following table gives the principal details of the experiment:-

Date.	Day of expt.	Procedure.	Result.		Remarks.
			Positive.	Negative.	
1909.	-	Flies fed on infected monkey.			
Mar. 31.	-	Flies fed on infected monkey.			
Apr. 1.	1.	-do- -do-			
Apr. 2.	2.	-do- -do-			
Apr. 3-4.	3-4.	Flies starved 72 hours.			
Apr. 5-8.	5-8.	Flies fed on healthy monkey, 657.		-	
Apr. 9-12.	9-12.	Flies fed on healthy monkey, 677.		-	
Apr. 13.	13.	Flies fed on healthy monkey, 702.		-	
Apr. 14.	14.	Flies fed on healthy monkey, 703.		-	
Apr. 15.	15.	Flies fed on healthy monkey, 704.		-	
Apr. 16.	16.	Flies fed on healthy monkey, 705.		-	
Apr. 17-21.	17-21.	Flies fed on healthy monkey, 706.		-	
Apr. 22- May 22.	22-52.	Flies fed on healthy monkey, 728.		-	

G. 30. Develop^t of T. S. in Lab. bred G. p

Table III.- Development of Trypanosoma gambiense in laboratory-bred
Glossina palpalis.

Expt.	No. of flies.	No. of days fed on.	No. of days before flies became infective.	No. of days flies remained infective.
725.	9.	3.	-	-
733.	8.	3.	-	-
750.	15.	6.	-	-
*768.	9.	5.	-	-
858.	9.	8.	-	-
915.	6.	10.	-	-
947.	9.	5.	-	-
975.	16.	5.	34.	49.
991.	27.	6.	-	-
1266.	11.	12.	-	-
1269.	22.	7.	-	-
1368.	14.	12.	-	-
1397.	7.	19.	-	-
1428.	50.	6.	-	-
1431.	30.	20.	-	-
1452.	90.	10.	-	-
1549.	50.	4.	37.	46.
1558.	60.	4.	-	-
1559.	50.	4.	-	-
1566.	35.	4.	53.	53.
1602.	50.	4.	27.	27.
1604.	35.	12.	-	-
1640.	40.	10.	-	-
1651.	60.	4.	41.	41.
1664.	50.	12.	-	-
1665.	50.	12.	-	-
1671.	45.	12.	-	-
1672.	28.	12.	-	-
1680.	45.	4.	-	-
1686.	60.	3.	-	-
1688.	60.	3.	-	-
1693.	50.	4.	-	-
1706.	60.	7.	-	-
1712.	50.	12.	32.	32.
1758.	50.	3.	-	-
1760.	60.	4.	29.	29.
1761.	50.	4.	38.	38.
1769.	60.	3.	-	-
1801.	70.	12.	-	-
1802.	75.	12.	-	-
1860.	60.	12.	-	-
1868.	60.	12.	-	-

10

9.31 - No of Lab: bred flies injected .

Table IV.- Number of flies found infected with Trypanosoma gambiense in the experiments with laboratory-bred flies.

Expt.	No. of flies used.	Experiment: positive or negative.	No. of infected flies found.	Result of injection of infected flies	Remarks.
975.	16.	+	0	Positive.	12 remaining flies pooled.
1269.	22.	-	2.	Negative.	
1452.	90.	-	1.	Negative.	
1549.	50.	+	4.	Positive.	
1566.	35.	+	9.	Negative.	1 fly injected.
1602.	50.	+	5.	Positive.	
1651.	60.	+	4.	-	Flies not injected.
1672.	28.	-	2.	Negative.	
1680.	45.	-	1.	Negative.	
1693.	50.	-	2.	Negative.	
1706.	60.	-	4.	Negative.	
1712.	50.	+	1.	Negative.	
1760.	60.	+	1.	Negative.	
1769.	60.	-	2.	Positive.	
1801.	70.	-	1.	-	Fly not injected.

9328. Water hole - Mpumu - Uganda



S. 3724 House building Malacca



S-24. Daniels & family. Chief Mpuu



9. 35 Our herd of healthy cattle



9.36 Head of sick cattle. Mpumu



9.37. Our servants - Nipuna



9-38 D.B. - 7 1/2 - 17 - 1911

9-38 DB. Nobel & Peter at home



S. 39. The Kitchen after a squall



G.40. Cattle shed after a squall



9-47. Interviewing The Hunter - H. M. M. M.



G.42 Natives at Gondokoro -



9.48 Natives at Gondokoro



S. 44 Governor of Mongolia steamer



9.45 Abo Simbal - on Nile



9.46. Ansonia - View from Hotel.





C.M.
1

2
1

3

4