

VI 60 10.3 55 9.5 240 95.8

VII 60 10.3 60 10.3 120 22.8 185 44.9

Handpump. 4/5/38. Graph No. 9.

I	30	5.5	20	4.3	30	5.5	30.	5.5	45	7.6	40	6.9	40	6.9	40	6.9	45	7.7	45	7.7	35	5.9	40	6.9
II	40	6.9	40	6.9	45	7.7	50	8.9	60	10.3	70	12.0	70	12.0	80	13.9	90	16.1	90	16.1	45	7.7	50	8.7
III	30	5.5	60	10.3	60	10.3	60	10.3	60	10.3	90	16.1	90	16.1	150	31.7	165	38.0	150	31.7	135	26.8	210	62.4
IV	75	13.9	30	5.5	50	8.7	50	8.7	60	10.3	55	9.5	60	10.3	70	12.0	70	12.0	150	31.7	250	-		
V	15	3.6	25	4.8	25	4.8	25	4.8	30	5.5	25	4.8	30	5.5	35	6.1	35	6.1	45	7.7	35	6.1	35	6.1
VI	80	13.9	74	13.8																				
VII	74	13.8	76	14.0																				

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Table XI.

Destruction of Meercats - Talelkop - Sterkfontein - Bloemfontein.

No. of Section	Date	Number of Colonies gassed.	Number of colonies open on day following gassing.		Number of traps set and result.	Number of meercats caught	Number of colonies open on 2nd day following gassing.		Number of traps set and result.	Number of meercats caught	Number of colonies open on periodic inspections.			Number of traps set and result.		
			Number of colonies.	Number of warrens.			No. of Colonies	No. of warrens			Date colony gassed.	Number of colonies inspected.	Number of colonies open.	Warrens open.	Number of traps.	Number of meercats caught.
I	31/3/39 1/4/39	19 15		5 8	8 8	7										
II	3/4/39 4th 5th 6th	- 9 7 18	6 - 1 1	19 - 1 1	13 - 1 1	6 - 0 1										
											31st & 1st 31st - 1st " - 1st 31st - 4th	2 9 3 3	7 14 7 6	5 10 7 6	0 6 5 1	
III	11th 12th	20 13		2 2	2 2	1					4th - 6th 5 - 6th	8 21	95 84	57 83	8 19	
IV	13th	15	3	12	10	2					6 - 11th	23	139	89	30	
V	14th 15th	17 9	0 0								4 - 12th 1 - 13th	14 15	52 61	45 47	11 11	
VI	17th 18th	48 17					6	55	37	4	12 - 14th 12 - 15th	9 10	63 52	37 37	5 16	
VII	19th 20th 21st 22nd 24th 25th	19 13 21 - 18 15	4 1 - 0 1	5 10 - - 2	5 4 - - 2	1 0 - - 0					4 - 16th 31st - 18th do 31 - 20th 4 - 21st do	33 33 26 26 25 26	186 155 120 115 92 85	91 96 96 96 73 85	20 31 37 22 13 73	
VIII	26th 27th 28th	15 13 15	2 5 1	6 8 3	6 8 3	4 4 2					13 - 24th do 21st - 26th	(64) (85) (60)	12 8 15	30 29 4	28 26 38	4 16 26
IX	1/5/39	23									22 - 28th	(76)	25	58	49	18
X	2nd 3rd	13 7	1 1	6 1	5 1	1 0					do 19th - 1st	(54) (70)	23 19	98 77	83 61	25 36
XI	4th 5th	5 13	0 1	1 1	1 1	1					do 20th - 3rd	(77) (82)	19 7	69 25	67 24	16 6
XII	6th 8th 9th	30 25 17	0 2 2	6 2 2	6 2 2	4 0	8	26	23	12	1st - 5th 1st - 5th 1st - 7th	(99) (67) (81)	4 9 12	5 46 68	4 38 57	2 3 19
XIII	10th 11th	24 24	2 1	5 3	4 3	3 2					1st - 8th 2nd - 9th	(84) (76)	7 8	31 24	29 23	15 8
XIV	12th 13th 15th	10 16 27	5 0	13	9	0	3	3	3	1	3rd - 10th 4th - 11th 4th - 12th	(90) (102) (105)	10 15 25	30 39 65	27 36 60	5 12 3
XV	16th 17th 18th	17 19 -	5 1	8 2	8 2	6 2					6th - 13th 1st - 15th 8th - 16th	(102) (121) (92)	14 18 16	32 46 48	32 42 46	21 23 20

XVI	19th	25																	
	20th	22	3	13	-	-	4	24	20	8	9th - 16th	( 90)	9	25	20	8			
	22nd	23									10th - 17th	( 73)	14	46	46	18			
XVII	23rd	19	0								11th - 5th	( 69)	9	52	40	11			
	24th	-	2	9	9	3					12th - 20th	( 98)	20	83	58	22			
XVIII	25th	31	-								15th - 22nd	( 89)	9	21	20	16			
	26th	8	0								16th - 23rd	(103)	16	53	45	22			
XIX	27th	19	0								15th - 24th	( 73)	14	74	64	21			
XX	29th	10									17th - 25th	( 81)	12	73	54	17			
XXI	30th	-	0								12th - 26th	( 74)	12	33	33	6			
	31st										12th - 28th	( 68)	6	21	20	13			
	1/6/39	40									13th - 29th	( 59)	7	25	23	10			
	2nd	34	2	4	4	3					15th - 29th	( 67)	10	35	31	15			
	3rd	15	2	3	-	-					do	( 61)	4	9	9	6			
	5th	29			0						22nd - 1st	( 47)	4	9	9	8			
XXII	6th	28	0								29th - 2nd	( 60)	11	33	28	13			
	7th	42	1	1	1	1					29th - 3rd	( 63)	6	27	25	17			
	8th	19	2	3	2	0					1st - 5th	( 61)	5	15	13	12			
	9th	33	0								1st - 6th	( 51)	6	21	21	3			
	10th	12	2	3	0						2nd - 7th	( 69)	6	10	10	10			
	12th	24			0						10th - 6th	( 42)	6	10	10	8			
XXIII	13th	30	1	1	1	1					4th - 9th	( 63)	7	34	30	3			
	14th	22	0								5th - 10th	( 58)	8	25	24	11			
	15th	24	1	1	1	0					6th - 12th	( 61)	8	24	23	14			
	16th	22	0								6th - 13th	( 57)	10	26	23	14			
	17th	15	0								9th - 14th	( 52)	18	39	32	21			
	19th	20									9th - 15th	( 52)	18	39	32	11			
	20th	23	1	1	1	1	6	20	17	9	10th - 15th	( 51)	3	15	13	0			
XXIV	21st	36	0								10th - 17th	( 42)	6	28	26	9			
	22nd	36	1	1	1	0					12th - 19th	( 63)	11	38	37	18			
	23rd	42	1	1	1	1					13th - 20th	( 62)	5	15	13	11			
	24th		0								16th - 22nd	( 52)	9	20	18	11			
	26th	29									13th - 22nd	( 33)	9	20	18	6			
	27th	33	4	8	7	4					22nd - 24th	( 51)	19	43	38	9			
	28th	30	0								22nd - 24th	( 60)	7	21	20	15			
	29th	32	0								23rd - 26th	( 64)	7	17	17	10			
	30th	27	0								23rd - 27th	( 82)	8	22	22	15			
	1/7/39	21	0								24th - 28th	( 63)	2	12	10	10			
											24th - 28th	( 33)	2	10	10	10			
XXV	3rd	43					4	9	9	2	27th - 30th	( 64)	7	23	22	4			
	4th	23	0								26th - 1st	( 52)	13	39	37	18			
	5th		0																
		1,591	71	166	126	57	34	163	127	46		(3,954)	605	3,335	2,602	1,017.			

(5) Final Inspection.

Date	Areas visited	Number of colonies visited.	Number of colonies open.	Number of warrens open	Number of traps set.	Results	<u>Species.</u>			
							Cynictes	Suricata	Geosciurus	Other Animals
5	I IV IX	159	31	85	77	27	5	1	21	-
6	I IV IX XXI	202	16	90	89	19	10		8	1
7	V XIV XVII XXIII XVI XXIV XXII	217	34	105	89	20	6	2	11	1
8	VI VII VIII X	133	23	98	73	7	2	0	3	2
		701	104	378	328	73	23	3	43	4

Summary of Animals trapped.

<u>Cynictes</u>	384
<u>Geosciurus</u>	648
<u>Suricata</u>	119
<u>Felis spp.</u>	4
<u>Ictonyx striatus</u>	32
Jackals	4
	<u>1,191.</u>

Number of animals and birds trapped.

Mice and rats	90
Birds	220

Table XII.

Destruction of Meercats - Sunnyside : Bloemfontein.

No. of Section.	Date	Number of colonies gassed.	Number of colonies open on day following gassing.		Number of traps set and result.		Number of colonies open on 2nd day following gassing.	Number of traps set and result.	Number of colonies open on periodic inspections.				Number of traps set and result.	
			Number of colonies	Number of warrens.	Number of traps	Meercats caught.			Date colonies gassed	Number of colonies inspected	Number of colonies open.	Number of warrens open.		Number of traps
I	13/7/39	17												
	14th	53												
	15th	21												
	17th	47							13th	(17)	4	7	-	-
	18th	47	4	6	6	6			13th & 14th	(65)	15	38	36	5
	19th	15	2	2	2	2			13th - 16th	(59)	18	36	36	20
	20th	36							13th - 17th	(56)	10	23	21	12
	21st	42	4	5	4	3			13th - 18th	(62)	12	34	30	27
	22nd								13th - 19th	(52)	8	26	26	18
	24th	45							13th - 20th	(33)	8	26	26	11
	25th	40	2	4	3	2			13th - 21st	(124)	17	27	25	10
	26th	25							13th - 21st	(133)	19	35	35	13
	27th	41							- 24th	(107)	39	57	55	29
	28th	-	2	2	2	1			14th - 25th	(125)	21	55	55	34
	29th	-								(384)	56	157	138	48
										(293)	56	120	117	24
		429	14	19	17	14				(1,503)	283	641	600	233

Summary of Animals Trapped.

Cynictes	141.
Geosciurus	105
Suricata	14
Ictonyx	6
	<u>266.</u>

Birds	41
Rats and mice	22

Final Inspection.

677 Inspections were made.

112 Colonies were found open and 72 meercats caught.

Table XIII.

Meercat extermination - Edenburg Town Commonage.

No. of Section	Date.	Number of colonies gassed.	Number of colonies open day following gassing.		Number of traps set and result.		Number of colonies open 2nd day following gassing.		Number of traps set and result.		Number of colonies open on periodic inspection.			Number of traps set and result.	
			Number of colonies.	Number of warrens.	Number of traps.	Number of meercats caught.	Number of colonies.	Number of warrens.	Number of traps.	Number of meercats caught.	Date colonies gassed.	Number of colonies inspected.	Number of colonies open.	Number of warrens open.	Number of traps.
II	2/8/39	21													
I	3/8/39	28													
II	4th	53	6	10	9	4									
	5th	21	2	5	5	5	10	19	18	10					
III	7th	37	-								3rd - 4th	(82)	18	56	51
	8th	30	-								3rd - 5th	(137)	17	40	40
IV	9th	22	1	1	1	1					3rd - 7th	(144)	19	41	41
	10th	26	5	8	8	2					3rd - 8th	(179)	25	66	65
	11th	30	2	7	7	1					3rd - 9th	(198)	24	61	61
	12th	11	-								2nd - 10th	(175)	25	72	69
		279	16	31	30	13	10	19	18	10		935	128	336	332
															145.

Final Inspection of Area.

14th & 15/8/39      247 Colonies visited      45 reopened      114 traps set      result 74 meercats caught.  
 16th                    255 Colonies visited                                    131 traps set      result 29 meercats caught.

Summary of Animals Trapped.

Cynictes	132
Geosciurus	111
Suricata	11
Ictonyx	<u>7</u>
	<u>261</u>
Birds	20
Pedes Cafra	3
Rats and mice	5
Rock Rabbit	<u>1</u>
	<u>29.</u>



Table IV.

Meercat extermination - Trompsburg Town Commonage.

No. of Section	Date	Number of colonies gassed.	Number of Colonies open on day following gassing.		Number of traps set and result.		Number of colonies open on 2nd day following gassing		Number of traps set and result.		Number of colonies open on periodic inspection.			Number of traps set and result.	
			Number of colonies	Number of warrens.	Number of traps	Number of meercats caught.	Number of traps.	Number of meercats caught	Number of colonies inspected	Number of colonies open.	Number of warrens open.	Number of traps.	Number of meercats caught.		
I	19/8/39	12													
	21/8/39	24					1	8	8	1					
	22/8/39	10	2	2	2	1					19th (12)	2	10	10	2
II	23/8/39	7	1	3	3	1					(36)	4	9	9	7
	24/8/39	28	2	2	2	2					(47)	3	6	6	4
	25/8/39	18	1	1	1	1					(52)	3	6	6	4
III	26/8/39	9	2	2	2	0					(63)	2	2	2	2
	28/8/39	26									(89)	16	33	33	10
	29/8/39	15	2	3	3	2					(89)	13	28	28	21
	30/8/39	11	3	4	4	2					(95)	12	24	24	15
	31/8/39	16	1	1	1	0					(64)	7	15	15	14
	1/9/39	13	0								(107)	7	19	19	14
IV	2/9/39	1	2	4	4	0					(76)	7	15	15	9
	4/9/39	16			0						(108)	10	22	21	7
V	5/9/39	18	0								(111)	9	21	21	4
	6/9/39	13	0								(110)	7	21	21	14
	7/9/39	19	0								(111)	6	14	14	10
	8/9/39	10	2		2	1					(137)	18	28	28	16
	9/9/39										A (179)	18	30	30	19
	11/9/39										A (159)	11	16	16	4
											(76)	19	46	46	10
	12/9/39										A (159)	5	8	8	4
13/9/39										(78)	20	46	46	33	
										A (159)	5	10	10	0	
										(78)	20	46	46	11	
		266	16	24	24	10	1	8	8	1	(1,935)	223	485	484	250.

N.B. A contains the data for Areas I, II, and III, which is considered as the centre of infection.

Number of Animals Trapped.

Cynictes	151
Geosciurus	67
Suricata	32
Ictonyx	5
	<u>255</u>
Rats and mice	2
Birds	8
Springhare	1
	<u>1</u>
Total	- 266

Table XV

Destruction of Meercats on Marah - Waaikraal Area. Bloemfontein.

No. of Section	Date	Number of colonies gassed.	Number of colonies open on day following gassing	Number of traps set and result.		Number of colonies open on 2nd day following gassing.	Number of traps set and result.		Number of colonies open at periodic visits.		Number of traps set and result		Number of colonies open at final inspection of whole area.				
				Traps	Meercats caught		Traps	Meercats caught	Date gassed.	Number of colonies open.	Traps set	Meercats caught	Colonies opened.	Burrows opened.	Meercats caught.		
I	11/2/39	12		13	9												
II	13th	18	7	13	9				11th	6	9	8					
III	14th	5	10	11	10	6	9	8	11th	3							
IV	15th	5	2	3	2				11th & 13th	3	5	4					
V	16th	5	2	3	1	2	3	1	13th	1	1	1					
VI	17th	4	0	0		0	0		17th	0							
VII	18th	-	2	2	1				11th - 16th	7	12	1					
VIII	20th	7	-			3	4	3	11th - 16th	15	29	7					
	21st	-	1	1	1				13th - 16th	20	50	17					
IX	22nd	17							13th - 17th	19	43	10					
	23rd	13	5	22	0				13th - 20th	17	40	7					
	24th	15	3	4	0				17th - 22nd	14	50	48					
X	25th	11	3	7	0				22nd	10	36	12					
XI	27th	10				8	34	0	22nd - 24th	14	47	10					
	28th	7	7	36	18				22nd - 25th	14	47	0					
	1/3/39		4	24	0				22nd - 27th	19	46	35					
	2nd			(40	35)	4	24	3	22nd - 28th	8	46	28					
	3rd	10		0					25th - 28th	7	46	8					
	4th	4	0	0		3	7	0									
XIII	6th			0					28th - 4th	2	15	7					
	7th	3							do	2	10	2					
XIV	8th	6	0														
XV	9th	12	3	3		3	3	3									
	10th	6	6	19													
XVI	11th	3	0			6	19	11									
XII	13th	-	1			1	2	0	8th - 11th	8	18	7					
	14th	7	0						do	4	12	2					
	15th	6	0														
XV	16th	9	3	12	8	1	2	0									
	17th	8	3	8	3	3	5	3	14th - 16th	5	23	4					
	18th	3	0														
	20th												III, XV & XI	34	114	34	

Traps set at colonies before gassing.



21st										III, XI, V, XIII	37	120	33										
22nd										XI, XIII & VI	24	104	38										
23rd										IV, V, XI & I	24	115	29										
24th										VIII, VII, X	25	124	45										
25th										VI, VIII, XIII VIII	19	108	17										
27th										XVI, XIV, XV	7	46	10										
											206	62	221	97	40	112	32	198	585	218	170	731	206.

57.	Boston	27/6/32	S.V.O. Bft. B. 80	Ox		Yes		
	Commonage	26/4/35	" "	Cyn. pen.		Yes		Crept underneath the blanket of a piccanini during the night and bit the boy.
		15/9/38		Dom. Cat		Yes		Stray cat attacked humans in homes.
		10/10/38		Cyn. pen.		Yes		The Cyn. was found in a house during the night.
58.	Middelbult	24/9/32		Dog	Genet fel.	Yes	Please refer to map.	14 Days after the dog had been bitten by a Genet cat it developed symptoms and bit a child.
	Crondale	14/8/33	" "	Two cats	Dog, Gen. fel.	Yes		On the 8th July two dogs killed a Tsipa, on the 23rd one dog became mad and bit the two cats. One cat in turn bit a native. The other cat was destroyed. Some years before a dog bit a native child; both died after showing symptoms of rabies.
	England	Sept. 1926	D.V.S. V288/2/1	Ox		No.		The ox, according to description, had rabies.
	Maizefield	7/2/36	S.V.O. Bft. B. 80	Geosc. cap. (2)		Yes		Tame squirrels caught in the veld.
	Caledon	30/1/34	" "	Cat		Yes		
	Saaiplaats	26/9/30	" "	Ox		Yes.		
	Skietpan	13/10/38	" "	Dog		Yes		Dog attacked two horses and bit them severely on the hocks.
59.	<u>Transvaal.</u>							
	Wolmaransstad	Klipkuil (Katdoornplaas)	7/6/26	D.V.S. V288/2/1	European boy	Cyn. pen.	No.	The boy was bitten six weeks previously by a mongoose.
		Cyfergat 44	16/11/28	" "	Two European boys	" "	Yes	The boys were bitten on 1/11/28 by a sick meercat, which they caught. The one died on 16/11/28 and the other 20/11/28. Cluver fully describes these cases. See text.
			17/4/29	" "	Cyn. pen.		Yes	All these farms are in close vicinity to one another
			20/8/36	G.V.O. Mfk. 3/6/4	Dog		Yes	No history.
		Leeuwoornstad	14/5/32	D.V.S. V288/2/1	Dom. cat		Yes	The cat attacked several humans and another cat, which was destroyed.
	Leeuwbos	Dec. 1932	" "	Ox		Yes	-	



P. S. Smyrnian  
Squadly and control of the reactors of S. D. Rabies in S. D.