

FERTILITY AND INFERTILITY OF
THOROUGHBRED MARES UNDER
THE ENVIRONMENTAL
CONDITIONS PREVAILING IN
THE KAROO MIDLANDS OF
SOUTH AFRICA

BY

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APPENDICES

RAINFALL 1923-1952
 GROOTVONTEIN COLLEGE OF AGRICULTURE
 MIDDELBURG - CAFE.

	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	Total	Average Rainfall per year
Jan.	1.84	1.76	0.98	0.09	0.82	2.61	1.78	2.08	2.66	0.35	0	3.68	1.15	0	1.08	1.43	4.69	1.13	4.97	2.02	2.26	1.36	3.33	1.71	2.06	1.05	0.43	0.69	2.40	1.08	31.43	1.71
Feb.	2.84	2.8	3.29	0.26	0.20	0.78	0.89	0.63	0.94	1.59	0	4.28	2.83	1.72	1.87	1.09	6.00	2.68	7.20	1.79	1.69	0.98	1.01	0.44	1.43	5.23	1.26	5.90	3.05	4.15	60.22	2.27
March	1.00	3.01	5.12	1.59	3.43	2.04	2.28	3.36	2.61	1.32	0.62	3.64	2.30	3.63	1.09	0.81	0.56	4.86	0.72	1.99	4.40	4.10	3.75	1.04	1.54	4.47	0.93	3.80	0.89	2.05	73.55	2.45
April	1.17	0.40	3.16	1.27	0.17	1.25	0.12	0.24	0.97	0.06	0	1.47	1.73	0.48	0.89	0.41	0.98	0.99	1.16	0.63	3.32	0.11	0.91	0.80	0.97	2.88	1.10	2.21	0.42	0.72	32.75	1.10
May	0.91	0.24	1.01	0.30	0.20	0.04	1.44	0.27	0	0.58	0	0.23	2.66	1.23	0.22	0	1.22	1.69	0.28	0.78	1.24	0.62	0.45	2.73	0.40	0.02	1.69	2.52	0	0.34	25.31	0.73
June	0.74	3.09	2.32	0.26	0	0.02	0.41	0.49	0.10	0.08	0	0	0.99	0.14	0	1.13	0.11	0.04	0.14	0.25	0.06	1.09	0.39	0.31	0.02	0.04	0.32	0	0.09	6.73	3.41	0.28
July	0	0.07	0.62	0.14	0.37	0	1.42	0.02	2.94	0.42	0	0.55	0.53	0.61	0.37	0.21	1.69	0.32	0.92	0.05	0.07	0.13	0.37	0.08	0.24	0.55	0.04	0.17	0.08	2.05	15.03	0.50
Aug.	0.05	0.07	0.17	0	0.14	0.13	0.74	0.28	0.07	0	0	0	0.26	0.05	0	0.07	2.57	0	0.30	0.21	2.24	0.23	0	0	0.38	0.14	0.02	0.51	0	0.16	0.79	0.29
Sept.	0.63	0.48	1.10	0.74	0	1.38	4.01	0.04	0.06	2.39	0.45	0	0.76	0.44	0.12	0	0.74	1.27	0	1.30	0.22	0.60	0	0.05	2.02	0.02	0	1.56	2.13	0.49	22.46	0.75
Oct.	0.11	0	0.47	0.26	0.69	0.50	1.78	0.47	1.15	0.47	0	1.60	0.34	0.78	0.31	3.02	3.36	0.05	0.96	3.28	0.13	1.48	0.62	2.44	1.38	0.45	0.35	1.39	0.62	0.23	27.4	0.77
Nov.	0.97	1.11	2.15	1.75	0.76	1.11	1.61	0.58	1.75	1.79	3.14	1.95	0.71	3.97	1.19	1.81	0.27	1.90	0.15	3.11	5.91	0.04	0.37	0.94	2.56	0.42	0.13	1.50	0.32	1.13	45.17	1.50
Dec.	0.68	3.06	1.87	0.59	0.34	1.51	1.97	0.40	2.91	1.33	1.00	4.21	0.92	1.45	3.10	1.15	0.02	0.12	0	0.98	2.09	0.02	0.43	1.47	2.81	1.32	1.96	4.29	0.09	3.25	45.34	1.52
Total	10.34	13.09	20.26	7.25	7.12	11.67	18.45	3.86	16.16	10.38	5.21	21.61	15.18	14.50	10.24	11.13	22.23	15.05	18.80	16.37	23.63	10.70	11.63	12.01	15.81	16.59	8.23	24.54	10.09	16.53	421.66	14.11

Average Rainfall per Year.

APPENDIX NO. II.

RAINFALL AT GROOTFONTEIN COLLEGE OF AGRICULTURE.

1950.

DAILY DISTRIBUTION.

	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	
1			0.04										
2			0.17										
3			0.02		0.29		0.11						
4	0.19			0.57			0.06						
5	0.24	0.11		0.27									
6		0.19							0.02			0.44	
7		0.24										2.00	
8	0.08	0.80		0.42	0.03			0.24				0.44	
9		0.38	1.08	0.06	0.04								
10			0.01										
11			0.51	0.36	0.11								
12					0.40								
13													
14			0.32										
15		0.04		0.05					0.43				
16		0.36		0.07	0.02				1.11				
17					1.57								
18		0.08			0.06								
19		1.27									0.04		
20			0.40								0.10		
21				0.09						0.31		0.05	
22				0.20						0.23			
23		1.33	0.15					0.08		0.76			
24	0.07	1.07	0.01							0.09		0.30	
25				0.12									
26												0.31	
27		0.03	0.91									0.53	
28			0.01									0.20	
29			0.11					0.11			1.36	0.02	
30								0.02					
31	0.11							0.06					
Total	0.69	5.90	3.80	2.21	2.52	1.11	0.17	0.51	1.56	1.39	1.50	4.29	24.54

RAINFALL. DAILY DISTRIBUTION.

1951.

	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	
1	0.23	0.07											
2	0.05	0.56									0.23		
3		0.03							0.11	0.34			
4		0.15	0.27										
5	1.07	0.26	0.04										
6	0.61	0.10	0.02										
7													
8													
9											0.09		
10													
11	0.17	0.09	0.05	0.06								0.02	
12		0.39											
13		0.21											
14		1.13											
15		0.06											
16												0.07	
17													
18													
19	0.15		0.04										
20	0.06												
21										0.15			
22				0.36									
23													
24							Snow 0.08						
25													
26	0.06		0.05										
27			0.42			0.09				0.13			
28									0.15				
29									0.50				
30									1.37				
31													
Total	2.40	3.05	0.89	0.42	Nil	0.09	0.08	Nil	2.13	0.62	0.32	0.09	10.09"

RAINFALL. DAILY DISTRIBUTION.

1952.

	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	
1			0.59		0.10							0.69	
2			1.46								0.02	1.48	
3											0.05	0.05	
4											0.20	0.20	
5		0.25									0.04	0.05	
6		0.71				0.06						0.77	
7						0.67						0.67	
8												-	
9													
10		0.12											
11		0.48				0.05	0.27						
12				0.16			0.97						
13				0.27			0.04					0.52	
14	0.06						0.63					0.92	
15				0.29					0.23		0.18	1.38	
16					0.24							0.23	
17		0.36											
18		0.01									0.12		
19		0.60											
20		0.69						0.16					
21		0.08											
22		0.64											
23									0.06		0.02		
24							0.04				0.55		
25							0.10		0.20				
26		0.21											
27										0.28			
28												0.15	
29	0.13												
30	0.42												
31	0.47												
Total	1.08	4.15	2.05	0.72	0.34	0.78	2.05	0.16	0.49	0.28	1.18	3.25	16.53"

APPENDIX NO. III.

No. 145/59. GRONTPONTLEIN AGRICULTURAL COLLEGE - HUMIDITY
AS SUPPLIED BY THE WEATHER BUREAU, PRETORIA.

	1950		1951		1952	
	0800	1400	0800	1400	0800	1400
JANUARY	61	33	68	35	68	29
FEBRUARY	73	44	72	33	79	46
MARCH	84	60	76	33	75	29
APRIL	84	51	72	27	79	34
MAY	85	49	72	34	75	33
JUNE	79	36	68	26	79	32
JULY	72	41	77	35	80	45
AUGUST	80	43	61	30	70	23
SEPTEMBER	66	37	51	19	60	26
OCTOBER	54	25	64	27	55	23
NOVEMBER	59	29	45	18	61	29
DECEMBER	73	40	49	18	60	25
YEAR	73	40	65	28	70	31

APPENDIX NO. IV.

MAXIMUM AND MINIMUM TEMPERATURES. (DEGREES FARENHEIT) IN STEVENSON SCREEN.

GROOTFONTEIN COLLEGE OF AGRICULTURE.

Date	Max.	Min.	Date	Max.	Min.	Date	Max.	Min.	Date	Max.	Min.
1/1/1950	89.2	51.5	1/2/50	88.0	60.5	1/3/50	88.0	63.5	1/4/50	75.8	40.0
2	94.0	51.0	2	93.0	58.3	2	74.0	65.2	2	78.3	44.3
3	91.5	53.0	3	77.4	57.0	3	76.2	55.2	3	80.4	39.8
4	77.3	60.8	4	88.8	50.0	4	76.7	61.2	4	63.2	58.8
5	85.9	60.0	5	91.5	59.0	5	84.2	53.6	5	55.3	36.1
6	82.2	55.3	6	94.2	54.5	6	86.1	58.4	6	67.8	34.0
7	89.9	54.6	7	89.1	62.8	7	85.0	58.3	7	62.0	46.4
8	78.1	61.0	8	80.5	62.0	8	83.4	56.0	8	72.9	51.5
9	76.3	54.1	9	82.4	58.9	9	84.0	61.2	9	74.0	51.2
10	88.0	43.8	10	63.1	51.5	10	79.6	60.6	10	75.3	53.2
11	88.0	53.5	11	83.8	45.5	11	84.5	57.0	11	67.4	52.3
12	94.0	53.4	12	90.0	52.3	12	80.0	58.7	12	74.6	38.2
13	88.0	60.5	13	93.8	55.0	13	82.9	59.3	13	72.4	54.9
14	81.0	49.8	14	93.4	57.7	14	82.0	59.0	14	71.1	48.1
15	77.0	51.2	15	79.0	58.9	15	84.3	58.5	15	65.0	45.8
16	84.0	44.0	16	73.5	61.5	16	78.6	59.7	16	71.4	47.4
17	90.0	47.9	17	88.0	54.8	17	76.1	59.6	17	74.7	46.8
18	95.2	50.5	18	82.6	62.2	18	80.5	52.1	18	67.4	44.7
19	96.0	58.3	19	79.0	62.8	19	83.4	53.0	19	57.0	35.3
20	88.5	58.1	20	69.5	56.0	20	83.0	54.7	20	63.6	31.7
21	85.0	50.2	21	72.8	45.0	21	82.0	59.8	21	71.0	47.0
22	87.9	47.0	22	75.5	45.3	22	82.7	57.7	22	63.0	47.2
23	83.3	55.9	23	87.5	46.3	23	74.2	60.6	23	63.5	46.0
24	88.0	57.3	24	73.3	62.5	24	69.7	53.4	24	64.2	49.4
25	75.0	56.5	25	75.0	56.7	25	82.0	50.0	25	59.4	49.0
26	80.3	44.5	26	81.5	56.0	26	83.2	48.0	26	55.0	47.0
27	89.0	45.4	27	87.0	60.5	27	82.5	50.2	27	61.9	36.0
28	93.0	48.3	28	89.0	62.8	28	76.1	61.9	28	63.5	38.0
29	98.0	50.8				29	75.7	51.4	29	66.0	32.6
30	94.5	53.8				30	76.0	47.1	30	69.6	32.5
31	93.5	70.0				31	74.0	39.9			
	87.1			82.9			80.3			67.6	

MAXIMUM AND MINIMUM TEMPERATURES. (DEGREES FARENHEIT) IN STEVENSON SCREEN.

GROOTFONTEIN COLLEGE OF AGRICULTURE.

Date	Max.	Min.	Date	Max.	Min.	Date	Max.	Min.	Date	Max.	Min.
1/5/50	71.0	34.3	1/6/50	67.5	30.6	1/7/50	71.0	37.1	1/8/50	65.0	31.5
2	63.7	38.5	2	70.0	29.2	2	59.5	41.9	2	66.5	34.6
3	70.1	50.0	3	69.4	28.0	3	63.2	28.1	3	66.0	21.0
4	61.2	51.5	4	69.0	35.0	4	65.2	45.2	4	67.0	22.0
5	58.0	32.0	5	65.5	29.0	5	52.7	32.0	5	66.2	31.9
6	65.0	31.3	6	66.0	32.3	6	48.0	36.7	6	63.5	29.9
7	66.0	31.9	7	68.0	40.9	7	50.8	41.5	7	68.5	37.0
8	69.8	35.7	8	64.2	35.2	8	50.2	40.5	8	64.5	42.3
9	56.0	49.0	9	66.0	27.0	9	57.0	23.8	9	68.0	45.0
10	63.0	40.3	10	65.0	39.9	10	63.8	27.3	10	48.0	32.5
11	67.0	35.5	11	64.0	51.3	11	56.2	42.8	11	55.0	39.5
12	56.0	48.2	12	53.8	41.3	12	50.3	31.0	12	66.0	32.0
13	66.5	51.3	13	49.0	20.3	13	55.5	22.4	13	67.0	36.0
14	65.0	43.9	14	51.1	23.0	14	56.0	20.2	14	62.5	35.0
15	67.9	42.9	15	53.0	20.5	15	61.3	21.3	15	51.0	25.0
16	67.0	48.0	16	55.5	33.9	16	62.5	25.2	16	65.0	21.5
17	47.5	46.6	17	57.6	37.1	17	60.6	30.0	17	59.5	27.0
18	52.0	43.5	18	61.0	32.0	18	64.0	20.5	18	69.0	45.0
19	55.5	47.0	19	61.0	28.8	19	69.5	25.8	19	73.0	53.5
20	59.5	38.9	20	65.5	27.0	20	66.0	49.6	20	63.5	47.0
21	61.8	41.5	21	69.5	35.5	21	57.0	25.1	21	54.0	25.0
22	64.0	38.0	22	68.5	46.1	22	61.5	18.5	22	58.0	28.0
23	62.9	35.0	23	67.8	44.0	23	63.9	26.5	23	60.0	41.0
24	57.9	42.0	24	66.5	37.0	24	68.0	35.5	24	66.0	33.0
25	63.0	32.3	25	68.1	29.6	25	67.4	40.2	25	73.5	32.5
26	63.4	33.9	26	68.9	41.5	26	52.7	52.1	26	71.0	37.5
27	63.4	34.4	27	66.9	33.9	27	45.6	19.3	27	66.5	27.0
28	62.3	37.0	28	65.0	45.5	28	59.3	15.4	28	50.2	42.5
29	63.0	32.0	29	59.2	27.9	29	63.1	18.2	29	49.4	41.3
30	64.0	32.0	30	64.9	24.6	30	62.9	38.0	30	57.0	34.0
31	66.6	34.5				31	55.5	34.0	31	64.1	40.5
	62.6			63.6			59.1			62.7	

MAXIMUM AND MINIMUM TEMPERATURES. (DEGREES FARENHEIT) IN STEVENSON SCREEN.

GROOTFONTEIN COLLEGE OF AGRICULTURE.

Date	Max.	Min.	Date	Max.	Min.	Date	Max.	Min.	Date	Max.	Min.
1/9/50	61.0	41.9	1/10/50	52.0	34.8	1/11/50	85.0	41.0	1/12/50	75.0	50.5
2	70.0	37.3	2	63.7	22.0	2	87.0	51.0	2	76.5	46.2
3	73.6	38.5	3	75.0	27.0	3	84.7	46.8	3	83.0	46.5
4	73.8	43.4	4	78.0	36.0	4	73.9	44.3	4	76.0	51.7
5	63.0	44.4	5	80.0	35.0	5	62.0	40.0	5	89.5	50.3
6	60.2	39.1	6	86.0	35.5	6	76.4	32.3	6	81.0	64.0
7	64.0	26.0	7	89.0	42.0	7	64.5	41.5	7	47.0	41.0
8	71.0	39.3	8	88.0	45.0	8	61.5	35.0	8	56.0	44.0
9	64.3	27.1	9	88.5	45.0	9	73.5	32.5	9	72.1	49.0
10	77.6	26.3	10	89.0	40.5	10	81.5	43.1	10	77.0	51.0
11	81.8	51.8	11	90.5	53.5	11	62.0	47.0	11	83.5	49.0
12	80.5	57.7	12	90.0	55.5	12	61.5	41.0	12	91.5	52.5
13	66.1	49.0	13	88.5	67.0	13	72.9	31.0	13	87.3	55.0
14	57.8	31.5	14	68.0	38.0	14	78.0	40.5	14	80.0	55.0
15	62.9	31.0	15	72.0	40.6	15	79.0	40.0	15	86.2	47.0
16	63.5	49.0	16	81.5	38.5	16	84.0	43.5	16	70.0	46.5
17	64.3	36.0	17	86.3	40.5	17	92.5	45.0	17	71.5	48.5
18	62.5	43.5	18	63.5	60.0	18	92.0	58.5	18	82.0	40.5
19	69.0	34.9	19	72.0	31.0	19	90.9	53.5	19	91.0	46.0
20	74.0	36.1	20	82.0	34.4	20	79.3	54.4	20	94.0	47.0
21	74.8	36.5	21	85.0	41.6	21	84.5	49.0	21	85.3	58.0
22	77.2	39.8	22	69.8	52.5	22	86.0	51.0	22	82.0	52.7
23	80.5	41.1	23	61.0	52.0	23	89.0	49.9	23	86.0	44.0
24	78.8	58.8	24	56.8	43.0	24	77.0	51.0	24	87.0	53.0
25	78.0	45.2	25	56.5	37.0	25	75.0	46.5	25	87.0	60.0
26	76.2	47.3	26	69.0	32.5	26	83.1	36.0	26	80.0	56.1
27	70.5	42.1	27	75.2	35.9	27	89.7	43.0	27	84.0	58.0
28	74.0	33.5	28	80.0	45.3	28	86.0	49.5	28	84.0	62.0
29	67.8	57.0	29	80.5	44.5	29	80.2	56.0	29	83.0	56.3
30	52.5	33.0	30	80.7	43.5	30	72.0	57.0	30	69.5	54.0
			31	71.0	48.0				31	64.5	47.0
	69.7			76.4			78.8			79.4	

MAXIMUM AND MINIMUM TEMPERATURES. (DEGREES FARENHEIT) IN STEVENSON SCREEN.

GROOTFONTEIN COLLEGE OF AGRICULTURE.

Date	Max.	Min.	Date	Max.	Min.	Date	Max.	Min.	Date	Max.	Min.
1/1/51	77.0	44.0	1/2/51	94.5	57.5	1/3/51	68.5	44.2	1/4/51	83.0	37.0
2	68.0	57.0	2	91.0	62.5	2	79.0	44.9	2	71.6	52.3
3	67.0	48.0	3	87.0	60.0	3	88.5	41.5	3	80.0	39.3
4	74.0	37.0	4	80.5	58.0	4	79.0	61.0	4	81.3	60.0
5	84.0	46.0	5	77.6	54.5	5	69.0	50.0	5	83.2	45.0
6	73.0	58.0	6	87.0	54.8	6	81.9	43.0	6	80.0	51.5
7	82.0	56.0	7	89.0	54.0	7	83.0	50.3	7	79.0	40.0
8	88.5	54.0	8	90.0	55.3	8	78.0	44.0	8	79.2	46.0
9	89.0	58.0	9	82.0	54.4	9	86.0	42.0	9	78.5	46.0
10	85.0	49.5	10	90.3	52.0	10	77.0	43.5	10	80.0	39.0
11	78.0	60.0	11	90.8	56.5	11	85.0	53.0	11	74.8	42.9
12	69.0	56.8	12	89.0	60.5	12	82.5	50.0	12	75.0	54.3
13	70.0	49.0	13	88.9	63.5	13	86.2	51.0	13	76.0	38.8
14	80.0	45.0	14	88.5	58.0	14	89.0	50.5	14	75.9	45.8
15	89.0	50.0	15	80.7	58.5	15	90.5	50.0	15	64.5	42.6
16	78.5	56.5	16	80.5	60.0	16	82.0	45.0	16	62.3	43.0
17	73.0	45.0	17	86.0	55.0	17	71.0	45.0	17	72.5	30.7
18	81.0	45.0	18	88.5	60.0	18	82.2	40.0	18	74.3	39.0
19	79.0	55.0	19	91.0	56.3	19	80.0	59.8	19	73.3	43.9
20	81.0	58.0	20	93.3	57.1	20	71.9	45.3	20	74.8	44.5
21	85.0	52.0	21	82.0	57.2	21	69.2	53.3	21	76.3	43.2
22	81.0	49.0	22	86.5	53.9	22	75.0	38.0	22	76.7	48.5
23	84.5	45.0	23	84.0	57.7	23	86.0	40.0	23	70.5	44.5
24	87.0	42.0	24	79.5	50.0	24	88.5	45.0	24	76.0	48.2
25	91.0	45.0	25	87.5	45.5	25	86.7	55.0	25	75.0	40.3
26	92.2	57.0	26	85.9	50.0	26	83.0	64.2	26	77.0	39.9
27	78.0	67.0	27	70.0	48.0	27	71.5	58.5	27	84.0	37.6
28	65.0	39.0	28	61.0	42.3	28	78.0	57.0	28	82.3	43.0
29	77.5	40.0				29	79.2	53.0	29	78.5	36.9
30	81.0	42.5				30	70.0	52.2	30	75.9	51.0
31	92.0	46.5				31	76.5	37.0			
	80.0			85.1			80.1			76.4	

MAXIMUM AND MINIMUM TEMPERATURES. (DEGREES FARENHEIT) IN STEVENSON SCREEN.

GROOTFONTEIN COLLEGE OF AGRICULTURE.

Date	Max.	Min.	Date	Max.	Min.	Date	Max.	Min.	Date	Max.	Min.
1/5/51	66.6	54.4	1/6/51	68.0	26.0	1/7/51	55.5	22.9	1/8/51	70.0	37.0
2	63.1	35.3	2	66.0	45.0	2	58.2	27.9	2	46.5	41.9
3	66.5	27.9	3	58.0	50.0	3	63.9	21.0	3	61.4	11.5
4	61.9	28.2	4	63.0	18.0	4	60.0	22.7	4	65.5	35.2
5	63.3	27.8	5	66.0	40.0	5	55.0	24.0	5	53.9	22.0
6	79.0	34.0	6	65.5	21.2	6	55.0	24.0	6	65.1	18.2
7	64.0	47.5	7	62.1	47.5	7	54.0	18.2	7	66.0	30.0
8	53.5	25.1	8	56.1	42.7	8	52.2	18.4	8	68.5	35.1
9	66.5	21.4	9	52.1	22.5	9	59.7	18.5	9	70.2	47.0
10	64.6	25.1	10	52.5	41.3	10	60.0	22.8	10	70.0	51.0
11	68.5	26.2	11	59.5	16.0	11	60.9	31.2	11	69.0	34.9
12	64.3	40.8	12	60.0	22.9	12	63.9	27.6	12	65.0	37.9
13	64.1	44.3	13	57.1	33.2	13	67.0	44.3	13	69.0	26.9
14	69.5	40.3	14	61.0	33.0	14	61.0	27.0	14	70.5	40.0
15	57.6	45.0	15	61.5	32.7	15	56.0	35.7	15	52.0	38.1
16	57.5	38.5	16	61.1	40.0	16	50.0	18.0	16	59.1	34.5
17	59.4	45.0	17	62.5	27.1	17	48.0	18.9	17	66.2	23.5
18	58.0	34.6	18	57.5	23.4	18	58.0	17.0	18	59.0	37.5
19	62.9	24.4	19	53.1	34.5	19	55.2	41.3	19	56.0	15.5
20	66.0	27.5	20	64.0	28.7	20	55.9	34.0	20	55.5	40.0
21	65.0	40.3	21	64.0	29.7	21	53.5	19.5	21	65.0	17.0
22	64.5	48.5	22	65.3	27.5	22	62.6	16.3	22	67.9	29.2
23	69.3	41.4	23	65.5	29.0	23	68.1	20.0	23	71.2	23.9
24	70.0	44.9	24	65.5	24.1	24	50.5	40.0	24	58.1	36.0
25	70.7	28.0	25	68.3	31.0	25	49.5	32.3	25	65.0	37.0
26	70.5	41.6	26	62.5	45.8	26	49.5	16.5	26	76.0	27.5
27	63.0	41.0	27	56.1	28.1	27	54.3	16.0	27	77.0	43.7
28	63.0	25.2	28	47.5	35.7	28	62.5	32.8	28	76.1	43.9
29	63.3	19.2	29	54.0	16.9	29	63.1	32.0	29	75.1	41.5
30	68.0	26.0	30	56.0	39.2	30	71.0	18.9	30	70.9	55.4
31	62.5	28.0				31	70.0	22.3	31	51.0	32.2
	64.9			60.4			58.2			64.9	

MAXIMUM AND MINIMUM TEMPERATURES. (DEGREES FARENHEIT) IN STEVENSON SCREEN.

GROOTFONTEIN COLLEGE OF AGRICULTURE.

Date	Max.	Min.	Date	Max.	Min.	Date	Max.	Min.	Date	Max.	Min.
1/9/51	62.0	17.0	1/10/51	63.8	50.0	1/11/51	77.0	37.5	1/12/51	85.1	49.0
2	68.0	25.0	2	74.5	37.3	2	86.1	37.6	2	70.0	45.6
3	53.6	27.5	3	74.1	57.0	3	81.2	45.0	3	79.0	34.9
4	51.0	34.0	4	66.0	49.0	4	85.1	53.0	4	89.0	39.0
5	60.0	23.9	5	74.0	38.2	5	85.5	51.1	5	94.0	46.8
6	72.0	22.1	6	82.0	40.5	6	74.5	61.0	6	95.0	46.0
7	80.0	29.5	7	85.1	46.0	7	64.2	39.1	7	85.2	59.0
8	82.0	52.5	8	79.0	55.0	8	81.4	30.0	8	75.3	48.3
9	73.6	56.6	9	67.5	48.9	9	86.3	58.0	9	85.5	39.5
10	67.1	46.5	10	57.1	37.5	10	66.0	57.3	10	86.2	47.5
11	59.1	29.0	11	69.0	39.0	11	69.0	36.1	11	80.5	52.0
12	57.0	27.0	12	76.5	37.5	12	80.0	36.0	12	78.6	54.0
13	65.0	23.5	13	66.0	50.9	13	84.2	41.5	13	85.5	49.5
14	73.1	26.5	14	77.2	35.9	14	91.5	45.5	14	79.6	47.0
15	76.0	26.0	15	65.5	47.5	15	92.5	68.0	15	88.0	42.9
16	76.5	27.9	16	70.0	35.4	16	82.0	46.0	16	91.2	47.0
17	66.5	34.2	17	74.1	37.1	17	88.7	47.0	17	91.0	56.6
18	77.5	27.0	18	69.2	40.0	18	71.0	58.6	18	93.5	50.0
19	81.9	43.0	19	68.0	43.9	19	82.5	34.0	19	96.0	50.0
20	70.0	36.8	20	80.5	36.5	20	85.5	37.5	20	84.1	47.5
21	80.9	39.0	21	79.5	52.5	21	87.1	41.5	21	89.0	47.0
22	69.5	55.0	22	76.5	56.0	22	83.1	45.0	22	87.0	50.0
23	55.8	34.5	23	76.9	50.0	23	92.3	43.0	23	90.0	45.2
24	62.8	21.0	24	78.9	44.0	24	89.0	50.0	24	88.5	52.5
25	78.0	23.3	25	82.0	38.1	25	69.0	57.0	25	87.5	47.5
26	76.0	37.9	26	84.5	47.7	26	74.0	49.0	26	81.4	49.0
27	79.0	39.0	27	80.5	46.0	27	72.5	46.5	27	90.0	43.5
28	80.5	39.5	28	65.0	41.0	28	85.1	42.0	28	95.6	48.0
29	75.0	48.8	29	70.5	30.0	29	91.5	43.5	29	96.1	55.3
30	55.0	50.0	30	82.4	33.5	30	83.4	44.0	30	95.5	49.5
			31	79.0	37.0				31	94.5	53.4
	69.5			74.0			81.4			87.3	

MAXIMUM AND MINIMUM TEMPERATURES. (DEGREES FARENHEIT) IN STEVENSON SCREEN.

GROOTFONTEIN COLLEGE OF AGRICULTURE.

Date	Max.	Min.	Date	Max.	Min.	Date	Max.	Min.	Date	Max.	Min.
1/1/52	92.0	55.1	1/2/52	70.5	50.5	1/3/52	76.0	60.5	1/4/52	78.9	46.7
2	87.9	51.0	2	78.0	51.5	2	63.3	56.0	2	79.2	42.1
3	86.4	51.0	3	81.1	46.5	3	61.0	49.0	3	64.3	56.0
4	90.0	46.0	4	87.5	50.5	4	70.7	50.0	4	73.0	36.0
5	94.5	50.5	5	84.0	59.0	5	81.7	46.7	5	71.0	37.0
6	88.0	49.0	6	74.0	62.0	6	74.0	46.9	6	79.0	32.0
7	75.0	52.5	7	76.5	57.0	7	79.9	41.8	7	81.0	56.0
8	82.0	47.5	8	82.0	59.0	8	83.0	42.9	8	68.5	44.5
9	92.0	49.0	9	83.5	53.0	9	84.4	44.6	9	75.6	40.5
10	89.5	47.2	10	87.0	56.5	10	88.0	44.5	10	79.0	43.7
11	98.4	51.0	11	84.1	54.7	11	89.9	51.6	11	72.0	44.0
12	97.3	55.0	12	84.0	57.0	12	87.9	49.5	12	78.6	48.9
13	89.0	54.1	13	87.0	54.0	13	80.0	46.7	13	70.7	52.3
14	94.5	55.5	14	90.0	55.5	14	88.0	49.7	14	72.0	43.5
15	92.0	56.5	15	94.5	57.5	15	77.0	54.0	15	77.0	48.1
16	91.1	58.0	16	88.0	67.0	16	80.5	48.0	16	74.2	50.0
17	93.1	51.0	17	85.0	64.0	17	87.0	45.0	17	64.0	46.0
18	94.5	53.0	18	76.0	61.8	18	90.5	46.5	18	66.0	45.0
19	90.0	56.5	19	83.5	62.0	19	91.5	62.0	19	76.0	38.0
20	92.2	53.5	20	77.8	58.3	20	87.1	46.2	20	78.5	44.2
21	89.0	49.0	21	77.0	62.6	21	84.1	59.5	21	80.0	56.5
22	94.0	54.0	22	76.9	61.3	22	87.0	46.5	22	69.0	47.0
23	89.0	59.5	23	70.0	53.0	23	87.1	46.1	23	70.0	40.0
24	88.1	56.0	24	77.2	52.0	24	87.0	43.9	24	69.0	34.5
25	89.1	49.1	25	76.5	58.6	25	83.0	42.0	25	71.0	33.5
26	96.5	55.5	26	83.0	52.5	26	78.0	46.0	26	77.0	35.0
27	84.0	50.0	27	82.7	58.2	27	81.0	37.5	27	79.0	37.5
28	84.0	49.0	28	78.0	54.9	28	77.0	36.5	28	80.0	45.0
29	95.5	52.5	29	81.6	48.9	29	84.0	39.0	29	81.5	46.5
30	83.0	58.9				30	72.0	41.0	30	77.5	41.0
31	73.2	60.0				31	79.3	47.5			
	89.5			81.3			81.3			74.4	

MAXIMUM AND MINIMUM TEMPERATURES. (DEGREES FAHRENHEIT) IN STEVENSON SCREEN.

GROOTFONTEIN COLLEGE OF AGRICULTURE.

Date	Max.	Min.	Date	Max.	Min.	Date	Max.	Min.	Date	Max.	Min.
1/5/52	68.0	52.0	1/6/52	55.0	49.3	1/7/52	69.0	31.0	1/8/52	64.1	29.5
2	62.8	43.0	2	64.3	22.5	2	65.5	27.0	2	64.5	26.5
3	68.0	39.0	3	67.5	21.8	3	68.0	42.2	3	69.2	33.0
4	76.0	37.4	4	68.0	26.5	4	68.5	34.2	4	70.0	37.0
5	72.0	50.5	5	66.9	24.9	5	64.0	44.0	5	67.0	50.0
6	51.6	36.2	6	65.0	26.0	6	53.0	12.0	6	52.0	41.0
7	57.1	21.0	7	59.3	44.1	7	69.0	26.5	7	54.0	34.0
8	64.0	26.0	8	56.6	44.5	8	57.9	37.9	8	62.5	16.4
9	61.5	45.0	9	63.0	31.1	9	50.0	36.5	9	67.1	32.0
10	65.0	50.0	10	64.3	33.0	10	59.0	17.2	10	54.5	40.5
11	58.5	43.0	11	65.2	37.2	11	60.5	22.9	11	62.5	30.0
12	63.2	22.0	12	66.8	41.2	12	50.8	38.0	12	69.0	28.0
13	66.0	26.0	13	66.5	36.0	13	53.2	45.2	13	62.5	32.5
14	69.3	24.0	14	70.0	33.5	14	55.5	34.7	14	66.5	36.0
15	73.0	38.3	15	70.6	39.9	15	58.0	43.0	15	66.5	30.0
16	73.9	40.7	16	71.0	35.1	16	56.0	38.3	16	70.5	28.0
17	61.9	48.5	17	69.5	36.5	17	61.2	31.3	17	73.1	36.0
18	58.0	35.6	18	73.0	30.5	18	59.6	31.5	18	63.5	37.0
19	58.0	39.3	19	69.7	31.0	19	54.5	30.0	19	62.0	23.0
20	66.0	38.3	20	67.7	43.0	20	50.0	39.0	20	56.5	29.0
21	59.9	34.0	21	64.3	56.5	21	54.5	36.0	21	55.5	25.5
22	68.3	37.2	22	57.0	30.9	22	59.2	27.5	22	58.0	40.0
23	58.9	29.1	23	47.5	18.5	23	56.0	33.9	23	62.0	42.0
24	66.3	21.3	24	54.0	14.0	24	67.0	47.0	24	65.5	28.0
25	68.5	29.7	25	63.0	21.5	25	46.5	42.5	25	63.7	27.1
26	69.6	30.4	26	65.0	39.5	26	45.0	26.0	26	64.8	32.2
27	70.0	30.2	27	59.0	24.0	27	51.0	22.0	27	61.8	41.2
28	69.3	30.3	28	60.0	11.0	28	53.0	21.5	28	63.5	30.5
29	68.7	34.3	29	67.5	27.5	29	58.0	21.5	29	66.2	31.5
4 30	70.6	30.5	30	68.1	19.5	30	63.0	26.0	30	70.0	32.0
31	64.0	35.0				31	64.5	33.0	31	69.7	31.0
	65.4			64.2			58.1			63.8	

MAXIMUM AND MINIMUM TEMPERATURES. (DEGREES FAHRENHEIT) IN STEVENSON SCREEN.

GROOTFONTEIN COLLEGE OF AGRICULTURE.

Date	Max.	Min.	Date	Max.	Min.	Date	Max.	Min.	Date	Max.	Min.
1/9/52	70.5	26.0	1/10/52	63.5	27.0	1/11/52	82.6	51.0	1/12/52	83.3	48.0
2	63.5	33.9	2	68.0	30.0	2	79.5	53.9	2	72.3	50.0
3	71.0	29.0	3	69.8	28.5	3	82.3	51.7	3	75.9	45.7
4	64.0	30.0	4	75.5	28.7	4	81.0	49.2	4	86.2	43.5
5	74.5	26.1	5	79.2	30.0	5	81.8	50.3	5	90.5	48.0
6	80.5	35.0	6	82.1	36.5	6	84.0	60.9	6	86.4	59.0
7	60.5	38.0	7	85.4	49.0	7	82.0	57.8	7	83.7	47.5
8	76.5	36.0	8	85.5	54.0	8	87.8	49.9	8	92.3	54.0
9	74.5	35.0	9	79.5	60.0	9	83.6	51.8	9	80.4	49.1
10	74.0	42.4	10	73.0	34.0	10	67.9	47.5	10	74.1	43.2
11	67.8	49.0	11	63.5	46.0	11	67.9	36.8	11	82.8	41.0
12	59.5	43.9	12	64.5	27.0	12	82.9	36.5	12	87.8	49.3
13	64.0	26.0	13	75.5	31.9	13	87.0	61.2	13	75.0	54.8
14	75.0	26.5	14	79.0	35.5	14	88.0	62.2	14	80.6	56.3
15	49.1	42.0	15	82.6	31.2	15	80.0	53.1	15	66.0	56.5
16	52.5	37.0	16	85.5	35.5	16	87.8	53.3	16	79.2	55.8
17	63.5	25.0	17	83.0	51.0	17	86.5	65.3	17	77.7	56.3
18	69.5	31.0	18	86.0	45.0	18	85.1	60.6	18	84.6	55.0
19	71.0	32.0	19	90.0	45.0	19	77.5	51.8	19	65.7	47.5
20	73.5	32.5	20	91.1	49.0	20	77.5	47.8	20	80.1	40.6
21	75.0	42.5	21	89.0	59.0	21	75.2	42.6	21	89.1	45.9
22	78.5	47.0	22	87.0	58.0	22	78.4	39.7	22	92.3	53.6
23	65.5	60.0	23	86.0	49.0	23	89.2	62.2	23	88.7	51.1
24	55.0	42.1	24	69.3	54.9	24	76.1	58.5	24	82.8	53.6
25	63.6	42.5	25	63.0	46.0	25	73.8	49.3	25	87.8	51.8
26	59.3	41.0	26	83.5	35.0	26	82.4	44.6	26	85.3	52.3
27	64.8	34.3	27	79.5	49.0	27	84.2	49.8	27	88.3	50.0
28	64.9	44.0	28	81.5	42.9	28	74.5	51.8	28	87.4	52.2
29	65.0	40.0	29	80.5	57.1	29	82.8	46.9	29	83.5	54.9
30	63.0	31.9	30	85.5	51.0	30	82.4	49.6	30	88.7	52.3
			31	84.9	61.0				31	80.1	54.0
	67.0			79.1			81.1			82.5	

MAXIMUM AND MINIMUM TEMPERATURES. (DEGREES FAHRENHEIT) IN STEVENSON SCREEN.

GROOTFONTEIN COLLEGE OF AGRICULTURE.

Date	Max.	Min.	Date	Max.	Min.	Date	Max.	Min.
1/1/53	87.8	43.9	1/2/53	90.7	49.1	1/3/53	74.1	49.1
2	91.9	47.5	2	72.0	65.7	2	72.9	46.4
3	88.9	51.6	3	77.9	53.6	3	83.1	47.3
4	92.3	52.7	4	86.2	47.3	4	88.2	49.5
5	93.6	63.5	5	94.1	50.0	5	88.7	50.9
6	92.3	56.3	6	97.2	56.3	6	87.8	51.3
7	82.8	48.2	7	92.1	64.6	7	86.9	47.3
8	92.3	56.5	8	75.0	62.4	8	87.4	47.5
9	83.3	55.9	9	70.3	51.4	9	90.1	53.4
10	84.2	54.9	10	73.8	53.6	10	89.8	54.5
11	93.6	51.8	11	79.7	54.5	11	86.4	58.1
12	77.7	53.8	12	85.6	55.4	12	88.3	52.0
13	78.3	55.9	13	87.3	53.1	13	81.3	59.7
14	88.5	51.4	14	88.7	59.7	14	68.5	52.2
15	91.0	56.5	15	84.7	52.7	15	77.4	46.0
16	93.2	59.7	16	91.8	54.7	16	71.8	58.1
17	92.3	56.3	17	89.6	63.0	17	74.5	58.8
18	94.6	60.6	18	90.9	57.6	18	72.0	54.3
19	88.5	32.0	19	74.7	64.4	19	81.1	45.5
20	85.1	55.4	20	83.1	53.3	20	83.3	49.5
21	83.8	57.7	21	87.8	55.4	21	86.0	42.6
22	90.5	48.9	22	82.2	66.2	22	82.0	60.8
23	78.8	56.3	23	65.3	61.7	23	77.9	50.9
24	86.0	47.3	24	71.6	50.9	24	79.2	36.0
25	90.1	58.6	25	79.7	50.5	25	82.9	37.8
26	95.4	56.5	26	80.1	59.9	26	75.2	44.6
27	91.6	57.7	27	73.8	54.5	27	80.8	42.8
28	96.8	53.4	28	75.6	53.4	28	82.4	56.3
29	96.8	55.4				29	62.1	48.2
30	96.1	51.4				30	66.2	50.0
31	88.9	68.0				31	78.8	38.3
	89.3			82.2			80.2	

APPENDIX NO. V.

DEVELOPMENT OF THE CORPORA LUTEA.

Name of mare	Date of Ovulation	Max. size of Follicle.	Date Luteinisation of unruptured Follicle.	Date Measurable C.L. formed.	Size	Date Corpus Luteum become indistinct	Duration C.L.
1. CALAMITY JANE	a. L.O. 23/12/52	3 cm.	-	(3/12/52 (11/12/52	2.5 cm. 3.5 cm. (max.)	7.1.53	15 days.
	b. Mare pregnant: R.O. No Ovulation.	4 cm. contracted before luteinising.	Luteinised between 18-24/12/52	(7/1/53 (22/1/53	3 cm. 4 cm. (max.)	Present last examination 19/2/53	Exceeds 57
2. ADDITION	R.O. 10/9/52 Mare pregnant	3.5 cm.	-	(22/10/52 (7/12/52	2.5 cm. 3.5 cm. (max.)	Present last examination 7/12/52	Exceeds 88
3. HOLY GRAIL	a. R.O. 21/9/52	3.5 cm.	-	C.L. formed but size cannot be estimated.		10/10/52	19
	b. L.O. 2/12/52	2.5 cm.	-	11/12/52	2.5 cm.	19/12/52	17
	c. Mare pregnant: R.O. Ovulation possible:	8 cm.	Ovulation may have occurred between 23/12 & 28/12/52 in R.O.	(28/12/52 (4/2/53	3.5 cm. 4 cm. (max.)	18/2/53	52-67
	d. L.O. Ovulation may have been possible:	3 cm.	Luteinisation of Follicle possible: after rupture between 14/1 - 22/1/53	Detected on 22/1/53	Irregular	Still present 27/2	
4. PAVANE	L.O. 26/9/52 Mare pregnant	4.5 cm.	-	(9/10/52 (17/10/52	3 cm. 3.5 cm. (max)	14/11/52 : Still present	Exceeds 49
5. ARMORIAL	a. L.O. No ovulation.	3.5 cm.	G.F. in L.O. Luteinised on 9/12 without rupture.	10/12/52	2.5 cm.	18/12/52	9
	b. R.O. 12/12/52: Mare pregnant:	4 cm.	-	18/12/52	1.5 cm.	22/12/52	10
6. BARCAROLLA	a. R.O. 4/12/52	4 cm.	-	5/12/52	1.0 cm.	24/12/52	20
	b. Mare pregnant. R.O. ovulation possible.	5 cm.	Ovulation may have occurred between 22/1/52 & 29/1/53.	29/1/52	Indistinct but large.	19/2/53	21-28
7. HATTIE HART	a. L.O. 6/11/52	3.5 cm.	-	7/11/52	Indistinct	19/11	13
	b. L.O. 25/11/52:	3 cm.	-	(28/11/52 (7/1/53	2.5 cm. 3 cm. (max.)	7/1	43
	c. L.O.	4 cm.	Luteinisation of another Follicle suspected between: 31/12 - 7/1/53		3 cm.	21/3	73-80

APPENDIX HQ. V. (Cont.).

Name of Mare.	Date of Ovulation	Max. size of Follicle.	Date Luteinisation of unruptured Follicle.	Date Measurable C.L. formed.	Size.	Date Corpus Luteum become indistinct	Duration C.L.
8. CASTANIA	a. R.O. 11/10/52	4.5 cm.	-	14/10/52	Irregular	20/10	9
	b. Mare pregnant: L.O. 13/10/52	5 cm.	A new C.L. formed later - L.O.	16/10/52	2 cm.	5/11	23
9. HATS OFF 2nd.	L.O. 30/9/52 Mare pregnant	3.5 cm.	-	(12/10/52 (14/11/52	2 cm. 3.5 cm. (max.)	11/12/52	72
10. CARA NOSTRA	a. L.O. 21/9/52	3.5 cm.	-	23/9/52	Irregular	10/10/52	19
	R.O. 13/10/52	4.0 cm.	-	16/10/52	"	29/10/52	16
	b. L.O. No ovulation.	3 cm.	13/11/52	(18/11/52 (10/12/52	3.5 cm. 5 cm. (max.)	28/12/52	45
c. L.O. 29/12/52 Mare Barren	4 cm.	-	22/1/52	4 cm.	29/1/53	31	
11. FLORA SANDES	a. R.O. 9/12/52	3 cm.	-	10/12/52	2.5 cm.	19/12/52	10
	b. R.O. 22/12/52	2.5 cm.	-	(23/12/52 (4/2/52	2.5 cm. 3 cm. (max.)	26/2/53	66
	c. Mare Pregnant: L.O.	4 cm.	12/2/53	(26/2/52 (21/3/52	2 cm. 3.5 cm. (Max.)	Still present 21/3	35
12. FLAMING RIVER	a. R.O. 22/11/52	3.5 cm.	-	(28/11/52 24/12/52	3 cm. 3.5 cm.	23/1/53	62
	b. Mare aborted L.O. No ovulation. Mare Barren.	3 cm.	Luteinisation of unruptured Follicle suspected between 15/12 - 19/12/52.	(30/12/52 (7/1/53	Irregular 3 cm.	Between 23/1 to 5/2/53	35-62
13. BLUE VISION	R.O. 31/10/52 Mare Pregnant	4 cm.	-	(18/11/52 (14/12/52	3 cm. 5 cm. (max.)	15/1/53	76
14. OLIVE GROVE	a. R.O. 9/10/52	4 cm.	-	10/10/52	Irregular	17/10/52	8
	b. R.O. 29/10/52	4 cm.	-	(20/10/52 (12/11/52	1.5 cm.	14/12/52	46
	c. Mare Pregnant: L.O. 2/11/52 (Foal Absorbed).	3 cm.	-	26/11/52 14/12/52	2 cm. 3 cm. (max.)	14/1/53	73
15. KINGS FLAME	a. R.O. 22/11/52	4 cm.	-	23/11/52	Irregular	12/12/52	20
	b. Mare Pregnant: L.O. no ovulation.	3 cm.	Luteinising of unruptured Follicle: suspected 23/11-28/11/52	(28/11/52 (18/12/52 (30/12/52	Irregular 2 cm. 2.5 cm. (max.)	23/1/53	56-61

APPENDIX NO. V. (Cont.).

Name of Mare	Date of Ovulation	Max. size of Follicle.	Date Luteinisation of unruptured Follicle.	Date Measurable C.L. formed.	Size	Date Corpus Luteum become indistinct	Duration C.L.
16. PROTECT	a. L.O. 24/11/52	3.5 cm.	-	2/12/52	2.5 cm.	10/12/52	16
	b. L.O. 14/12/52 Mare Pregnant	4 cm.	-	23/12/52	3 cm.	Still present 12/2/53	Exceeds 60
17. PRISCOE	R.O. 24/10/52 Mare Pregnant	5 cm.	-	(19/11/52 (27/11/52	2 cm. 4 cm. (max.)	14/1/53	82
18. PATA MORGANA	R.O. 7/11/52 Mare Pregnant	3 cm.	-	(28/11/52 (18/12/52	2.5 cm. 5 cm. (max.)	14/1/53	68
19. ORNAMENT	a. R.O. 17/10/52	3 cm.	No C.L.	No C.L.	-	-	-
	b. L.O. 21/10/52 Mare Pregnant	3.5 cm.	-	(23/10/52 (15/12/52	3.5 cm. 4.5 cm. (max.)	15/1/53	86
20. DISTANCE	a. L.O. 8/10/52	3.5 cm.	-	(5/11/52 (5/12/52	3 cm. 4.5 cm.	27/12/52	80
	b. R.O. 29/12/52	3.5 cm.	-	15/1/53	2.5 cm.	4/2/53	37
	c. Mare Pregnant L.O. 4/2 - 12/12/52	-	Ovulation sus- pected between 4/2-12/2/53	12/2/53	Irregular Shapeless	Still present on 27/2/53	Exceeds 15
21. TERAI	R.O. 15/9/52 Mare Pregnant	3.5 cm.	-	(26/9/52 (3/10/52	2 cm. 3.5 cm. (max.)	5/12/52	73
22. HELIOTROPE	L.O. 13/9/52 Mare Pregnant	4 cm.	-	(22/10/52 (11/11/52	3 cm. 3.5 cm. (max.)	Still present on 5/12/52	Exceeds 83

APPENDIX NO. VI.

Horse	Year	Foaling Date	Interval Days	Date	Heat Days	Interval Days	Date	Heat Days	Interval Days	Date	Heat Days	Interval Days	Date	Heat Days	Interval Days	Date	Heat Days	Interval Days	Date	Heat Days	Interval Days	Date	Heat Days	Interval Days
CALAMITY JANE	1950	13.8.50	26	8-17.9.50	10	In Foal																		
	1951	3.8.51	28	5-7.9.51	3	"																		
	1952	6.8.52	107	21-24.11.52	4	"																		
AUDITION 2nd.	1950	17.8.50	35	21-24.9.50	4	"																		
	1951	25.8.51	11	5-7.9.51	3	"																		
	1952	3.8.52	36	8-10.9.52	3	"																		
DAROR	1950	25.3.50	23	17-21.9.50	5	13	5-6.10.50	2	13	20-23 Oct	4	18	11-13 Nov	3	11	25-29 Nov	5	17	17-19 Dec	3				
	1951	Barren		5-10.9.51	6	17	28.9-2.10	5	16	19-25 Oct	7	15	10-13 Nov	4										
	1952	7.10.52		Foaled Twins - Mare Destroyed	7.10.52																			
HOLY GRAIL	1950	25.8.50	25	19-24.9.50	6	16	11-15.10.50	5	Slipped	30.3.51														
	1951	Barren		7-9.9.51	3	Sent to "Janna" on 9.9.51																		
	1952	"		15-22.9.52	8	05	27.11-3.12	7	In Foal															
WYNDSONG	1950	30.8.50	9	8-11.9.50	4	In Foal																		
	1951	5.8.51	32	6-7.9.51	2	16	24-28.9.51	5	In Foal															
	1952	20.3.52	38	27-28.9.52	2	13	12-16.10.52	5	38	24-29 Nov	6	Barren												
PATAKE	1950	31.3.50	9	9-11.9.50	3	In Foal																		
	1951	10.8.51	28	7-8.9.51	2	16	25-28.9.51	4	Slipped	22.4.52														
	1952	Barren		20-26.9.52	7	In Foal																		
ARLORIAL	1950	5.9.50	7	12-17.9.50	6	10	28.9-1.10	4	Barren															
	1951	Barren		12-15.9.51	4	13	29.9-6.10	8	10	17-23 Oct	7	15	8-10 Nov	3	17	23.11-2.12	5	In Foal						
	1952	7.11.52	9	16-19.11.52	4	15	5-13.12	9	Barren															
BARCAROLLA	1950	Maiden		11-18.9.50	8	14	3-9.10	7	In Foal															
	1951	15.9.51	8	23-26.9.51	4	23	10-14.10	5	"															
	1952	27.9.52	7	4-3.10.52	5	37	15-19.11	5	14	4-5 Dec	2	In Foal												
HATTLE HART	1950	Maiden		11.9-13.10	33	14	28.10-5.11	9	15	21-27 Nov	7	"												
	1951	31.10.51	8	8-12.11.51	5	13	26-29.11	4	In Foal															
	1952	28.10.52	7	4-7.11.52	4	14	22-26.11	5	"															
CASTANIA	1950	Maiden		11-24.9.50	14	23	18-20.10	3	Slipped	2.3.51														
	1951	Barren		9-13.9.51	5	Sent away to "Felix" - Barren																		
	1952	"		11-16.9.52	6	17	4-12.10	9	In Foal															
HATS OFF 2nd.	1950	"		12-13.9.50	7	14	3-7.10	5	"															
	1951	5.9.51	8	13-15.9.51	3	14	30.9-2.10	3	14	17-23 Oct	7	In Foal												
	1952	21.9.52	7	28.9-1.10	4	In Foal																		
CARA NOSTRA	1950	Maiden		13.9-4.10	21	15	20-25.10	6	In Foal															
	1951	27.9.51	9	6-9.10.51	4	15	25-29.10	5	19	13-22 Nov	5	Barren												
	1952	Barren		10-22.9.52	13	17	10-14.10	5	7	27-30 Dec	4	"												
JIMMIPET	1950	"		14-18.9.50	5	16	5-12.10	8	In Foal															
	1951	16.9.51	10	26-30.9.51	5	27	28-31.10	4	"															
	1952	19.9.52	7	26-30.9.52	5	Twins - Mare Destroyed	2.10.52																	

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APPENDIX NO. VI (Cont.)

Name	Year	Foaling Date	Interval Days	Date	Heat Days	Interval Days	Date	Heat Days	Interval Days	Date	Heat Days	Interval Days	Date	Heat Days	Interval Days	Date	Heat Days	Interval Days	Date	Heat Days	Interval Days	Date	Heat Days	Interval Days	
FLORA SANDS	1950	Barren		18-25.9	8	18	14-18.10	5	18	6-8 Nov	3	18	27-30 Nov	4	In Foal										
"	1951	13.11.51	9	22-24.11	3	15	10-11.12	2	In Foal																
"	1952	12.11.52	11	23-24.11	2	15	10-11.12	7	19-23 Dec	5	In Foal														
FLAMING RIVER	1950	22.9.50	8	30.9-8.10	9	33	11-15.11	5	In Foal																
"	1951	16.10.51	11	27-29.10	3	16	15-19.11	5																	
"	1952	21.10.52	8	29.10-3.11	6	16	20-23.11	4	Barren																
BLUE VISION	1950	17.10.50	7	24-28.10	5	14	12-17.11	6	14	2-8 Dec	7	In Foal													
"	1951	8.11.51	8	16-19.11	4	In Foal																			
"	1952	20.10.52	8	28.10-1.11	5	"																			
OLIVE GROVE	1950	13.11.50	8	21-22.11	2	16	9-14.12	6	Barren																
"	1951	Barren		22-24.9	3	13	8-24.10	17	In Foal																
"	1952	29.9.52	8	7-9.10	3	16	26-29.10	4	"																
KINGS FLAME	1950	Maiden		28.9-3.10	6	14	18-23.10	6	16	9-11 Nov	3	17	29.11-2.12	4	In Foal										
"	1951	8.11.51	8	16.11-16.11	1	14	1-7.12	7	In Foal																
"	1952	9.11.52	8	17-22.11	6	In Foal																			
PROJECT	1950	18.10.50	7	25.10-1.11	8	15	17-22.11	6	17	10-16 Dec	7	In Foal													
"	1951	10.11.51	8	18-25.11	6	18	12-15.12	4	In Foal																
"	1952	8.11.52	8	16-24.11	9	13	8-15.12	8	"																
FRESCOE	1951	Maiden		17-19.9	3	In Foal																			
"	1952	21.8.52	38	28-29.9	2	23	23-24.10	2	In Foal																
FATA MORGANA	1951	30.8.51	8	8-12.9	5	17	30.9-3.10	4	"																
"	1952	24.8.52	29	22-26.9	5	16	13.10-17.10	5	15	2-8.11	7	In Foal													
ORNAMENT 2nd.	1952	21.4.52		11.9-4.10	24	11	16-22.10	7	In Foal																
HELIOTROPE 2nd.	1951			29.9-1.10	3	13	15-9.10	5	12	1-4.11	4	17	22-28.11	7	9	8-11.12	4	13	25-31.12	7					
"	1952	Barren		9-15.9	7	In Foal																			
DISTANCE	1951	13.11.51	8	21-26.11	6																				
"	1952	Barren		11-17.9	7	14	2-9.10	8	78	27-31.12	5	In Foal													
TERAI	1951	Maiden		16-20.11	5	12	3-14.12	10																	
"	1952	Barren		12-17.9	6	In Foal																			
CONTRAST	1950	Maiden		8-10.10	3	15	26-29.10	4	15	14-16.11	3	Slipped	115.5.51												
"	1951	Barren		2-4.11	3	In Foal																			
"	1952	14.10.52	Anoestrus																						
UNCONCERN	1951	7.8.51	32	3-15.9	8	In Foal																			
"	1952	7.8.52	33	3.9	1	17	27.9.-6.10	10	14	21-27.10	7	17	14-19.11	6	In Foal										

APPENDIX NO. VII.

SIZE OF THE FETUS DURING EARLY PREGNANCY.

Name of Mare	Date Last Service	Pigeon Egg Size		Bantam Egg Size		Powl Egg Size		Goose Egg Size		Orange Size 3" - 4"		Grapfruit Size 5" - 6"		Small Football Size 8"		Football Size 10-12"		Bladderlike 15"		Intra-abdominal	
		Date	Interval	Date	Interval	Date	Interval	Date	Interval	Date	Interval	Date	Interval	Date	Interval	Date	Interval	Date	Interval	Date	Interval
1. GALAMITY JANE	24/11/52	-	-	18/12	24	24/12/52	30	31/12/52	37	-	-	7/1/53	44	22/1/53	59	5/2/53	73	19/2/53	87	27/2/53	95
2. AUDITION	10/9/52	-	-	-	-	-	-	22/10/52	42	31/10/52	51	7/11/52	58	21/11/52	72	-	-	7/12/52	88	14/1/53	126
3. HOLY GRAIL	2/12/52	-	-	28/12/52	26	-	-	8/1/53	37	14/1/53	43	22/1/53	51	29/1/53	58	4/2/53	64	-	-	27/2/53	87
4. PAVANE	25/9/52	-	-	22/10/52	27	30/10/52	35	5/11/52	41	14/11/52	50	30/11/52	66	-	-	-	-	-	-	15/1/53	112
5. BANCAROLLA	4/12/52	-	-	-	-	-	-	-	-	22/1/53	49	29/1/53	56	4/2/53	62	-	-	-	-	19/2/53	77
6. HATTIE HART	25/11/52	-	-	23/12/52	28	31/12/52	36	-	-	-	-	7/1/53	43	23/1/53	59	4/2/53	71	18/2/53	85	26/2/53	93
7. CASTANIA	10/10/52	-	-	5/11/52	26	-	-	12/11/52	33	19/11/52	40	27/11/52	48	-	-	10/12/52	61	-	-	15/1/53	97
8. HATS OFF 2nd	29/9/52	-	-	-	-	-	-	5/11/52	37	14/11/52	46	-	-	-	-	28/11/52	60	11/12/52	73	14/1/53	107
9. FLORA SANDS	22/12/52	-	-	-	-	-	-	-	-	4/2/53	44	-	-	12/2/53	62	18/2/53	68	-	-	21/3/53	109
10. BLUE VISION	31/10/52	-	-	-	-	26/11/52	26	-	-	3/12/52	33	14/12/52	44	-	-	-	-	15/1/53	76	12/2/53	104
11. OLIVE GROVE	23/10/52	-	-	26/11/52	29	-	-	14/12/52	47	-	-	24/12/52	57	-	-	-	-	-	-	-	-
12. KINGS FLAME	21/11/52	-	-	-	-	18/12/52	27	-	-	30/12/52	39	7/1/53	47	23/1/53	63	5/2/53	76	-	-	18/2/53	84
13. PROTECT	13/12/52	-	-	8/1/53	26	-	-	29/1/53	47	5/2/53	54	12/2/53	61	-	-	-	-	-	-	18/2/53	67
14. UNCOMBER	18/11/52	-	-	-	-	-	-	23/12/52	35	-	-	23/1/53	56	-	-	4/2/53	78	19/2/53	93	-	-
15. FRESCO	24/10/52	19/11/52	26	-	-	27/11/52	34	-	-	14/12/52	51	-	-	-	-	14/1/53	82	-	-	-	-
16. PATA ROQUEIRA	7/11/52	28/11/52	-	4/12/52	27	11/12/52	34	-	-	18/12/52	41	24/12/52	47	-	-	-	-	-	-	27/2/53	112
17. ORNAMENT	21/10/52	19/11/52	29	-	-	27/11/52	37	-	-	-	-	7/12/52	47	-	-	-	-	-	-	15/1/53	96
18. DISTANCE	29/12/52	-	-	-	-	4/2/53	37	12/12/52	45	-	-	19/2/53	52	27/2/53	60	-	-	-	-	-	-
19. TERRAI	14/9/52	-	-	-	-	22/10/52	38	-	-	31/10/52	47	5/11/52	52	-	-	-	-	5/12/52	82	-	-
20. MONTROPS	12/9/52	3/10/52	21	-	-	22/10/52	40	31/10/52	49	11/11/52	60	-	-	-	-	5/12/52	84	-	-	15/1/53	125
AVERAGE	-	-	25	-	27	-	34	-	41	-	46	-	52	-	62	-	72	-	83	-	99

APPENDIX NO. VIII.

Name of Mare.	Birth Date	Year	Last Service Date.	Foaling Date.	Length Gestation	Sex of Foal	Remarks.
1 CALAMITY JANE 15 yrs.	1937 Local	No previous details		8/8/51	332	CH. C.	
		1950	10/9/50	6/8/52	316	CH. F.	
		1951	25/9/51	18/10/53	328	F.	
2 AUDITION 2nd. 10 yrs.	1942 Imp.	1946	21/4/46	29/3/47	342	BR. or G.F.	
		1947	17/10/47	9/9/48	328	CH. F.	
		1948	20/9/48	21/8/49	335	CH. C.	
		1949	27/9/49	17/8/50	324	GR. F.	
		1950	22/9/50	25/8/51	337	CH. C.	
		1951	7/9/51	3/8/52	331	CH. C.	
		1952	10/9/52	13/8/53	337	F.	
3 DAROR 17 yrs.	1935 Local	1944	25/10/44	29/9/45	339	B. C.	
		1945	21/12/45	Barren	-		
		1946	6/11/46	8/10/47	336	B. C.	
		1947	15/12/47	Barren	-		
		1948	22/9/48	23/5/49	335	CH. F.	
		1949	24/9/49	25/8/50	335	CH. C.	
		1950	19/12/50	Barren	-		
		1951	12/11/51	7/10/52	330		Twins dead & Mare destroyed 7/10/52.
4 HOLY GRAIL 16 yrs.	1936 Imp.	1945	31/10/45	Barren	-		
		1946	5/10/46	19/9/47	349	CH. C.	
		1947	30/9/47	7/9/48	343	B. C.	
		1948	18/9/48	3/9/49	350	CH. C.	
		1949	14/9/49	25/8/50	345	B. C.	
		1950	14/10/50	30/3/51	167		Slipped 30/3/51
		1951	25/12/51	Barren	-		
		1952	2/12/52	13/11/53	346	F.	
5 WYNDSONG 12 yrs.	1940 Imp.	No previous details		5/8/51	331	GR. C.	
		1950	8/9/50	20/8/52	329	GR. F.	
		1951	26/9/51	Barren	-		
		1952	28/11/52	Barren	-		
6 PAVANE 12 yrs.	1940 Local	1947	18/10/47	15/9/48	333	C.	
		1948	22/10/48	22/9/49	335	CH. F.	
		1949	1/10/49	31/8/50	334	CH. F.	
		1950	9/9/50	10/8/51	333	CH. C.	
		1951	27/9/51	22/4/52	208		Slipped 22/4/52
		1952	25/9/52	3/9/53	343	C.	
7 ARMORIAL 12 yrs.	1940 Local	1946	11/12/46	3/11/47	327	BR. F.	
		1947	13/11/47	6/10/48	328	CH. C.	
		1948	4/11/48	1/10/49	331	B. C.	
		1949	9/10/49	5/9/50	330	CH. C.	
		1950	30/9/50	Barren	-		
		1951	30/11/51	7/11/52	343	B. C.	
		1952	12/12/52	Barren	-		
8 BARCAROLLA 7 yrs.	1945 Local	1950	7/10/50	15/9/51	343	CH. C.	
		1951	12/10/51	27/9/52	351	BR. F.	
		1952	4/12/52	14/11/53	345	C.	
9 HATTIE HART 8 yrs.	1944 Local	1950	27/11/50	31/10/51	338	CH. C.	
		1951	28/11/51	28/10/52	335	CH. F.	
		1952	25/11/52	Died 26/3/53	In Foal	-	
10 CASTANIA 8 yrs.	1944 Local	1950	20/10/50	23/51	133		Slipped 2/3/51
		1951	Sent away	Barren	-		
		1952	10/10/52	2/10/53	357	C.	
11 HATS OFF 2nd. 16 yrs.	1936 Local	1950	6/10/50	5/9/51	334	CH. F.	
		1951	22/10/51	21/9/52	335	CH. F.	
		1952	29/9/52	1/9/53	337	C.	
12 CARA NOSTRA 7 yrs.	1945 Local	1950	23/10/50	27/9/51	339	B. C.	
		1951	26/11/51	Barren	-		
		1952	30/12/52	Barren	-		Died 30/3/53

Name of Mare	Birth Date	Year	Last Service Date	Foaling Date	Length Gestation	Sex of Foal	Remarks
MINNIPET	1936 Imp.	1942	-	Barren	-	-	-
		1943	15/10/43	2/10/44	353	CH. F.	-
		1944	22/11/44	21/10/45	333	CH. C.	-
		1945	29/10/45	22/8/46	297	-	Slipped 22/8/46
		1946	5/11/46	2/7/47	239	-	Slipped
		1947	25/9/47	19/8/48	329	B. F.	-
		1948	6/10/48	15/5/49	221	-	Slipped 15/5/49
		1949	14/10/49	Barren	-	-	-
		1950	10/10/50	16/9/51	341	CH. F.	-
		1951	30/10/51	19/9/52	325	-	Twins &
1952	Mare destroyed	2/10/52	-	-	-	-	
FLORA SANDS	1940 Local	1946	9/12/46	Barren	-	-	-
		1947	22/11/47	29/10/48	342	CH. C.	-
		1948	23/11/48	31/10/49	342	CH. F.	-
		1949	8/12/49	Barren	-	-	-
		1950	28/11/50	13/11/51	350	CH. C.	-
		1951	10/12/51	12/11/52	338	CH. F.	-
1952	22/12/52	23/11/53	336	F.	-		
FLAMING RIVER	1936 Imp.	1944	7/12/44	12/11/45	340	B. F.	-
		1945	22/11/45	26/10/46	338	CH. F.	-
		1946	6/6/46	11/10/47	339	CH. F.	-
		1947	23/10/47	24/9/48	337	CH. C.	-
		1948	6/10/48	Barren	-	-	Preg. Test Positive
		1949	19/10/49	22/9/50	338	CH. C.	-
		1950	15/11/50	16/10/51	335	CH. F.	-
		1951	17/11/51	21/10/52	339	CH. F.	-
		1952	22/11/52	Barren	-	-	-
BLUE VISION	1943 Local	1950	6/12/50	8/11/51	337	CH. C.	-
		1951	16/11/51	20/10/52	339	CH. F.	-
		1952	31/10/52	-	In Foal	-	Mare Died 27/3/53
OLIVE GROVE	1938 Imp.	1946	14/12/46	14/11/47	335	BR. C.	-
		1947	12/12/47	Barren	-	-	-
		1948	2/11/48	22/10/49	354	BR. F.	-
		1949	15/12/49	13/11/50	333	B. C.	-
		1950	13/12/50	Barren	-	-	-
		1951	17/10/51	29/9/52	348	B. F.	-
		1952	28/10/52	Barren	-	-	Preg. Test Positive
KINGS FLAME	1946 Local	1950	2/12/50	8/11/51	341	CH. C.	-
		1951	6/12/51	9/11/52	339	CH. F.	-
		1952	21/11/52	31/10/53	344	C.	-
PROTECT	1943 Local	1950	14/12/50	10/11/51	331	B. or BR. C.	-
		1951	15/12/51	8/11/52	329	B.C.	-
		1952	13/12/52	5/11/53	327	C.	-
FRESCO	1948 Imp.	1951	18/9/51	21/8/52	338	CH. C.	-
		1952	24/10/52	24/9/53	335	F.	-
FATA MORGANA	1945 Local	1950	22/9/50	30/8/51	342	CH. C.	-
		1951	2/10/51	24/8/52	327	CH. C.	-
		1952	7/11/52	10/10/53	337	C.	-
ORNAMENT 2nd.	1948 Imp.	1952	21/10/52	8/9/53	322	C.	-
HELIOTROPE 2nd.	1944 Imp.	1952	12/9/52	30/8/53	352	F.	-
DISTANCE	1943 Local	1952	29/12/52	23/11/53	329	F.	-
TERAI	1948 Imp.	1952	14/9/52	20/8/53	340	F.	-
CONTRAST	1945 Local	1950	16/11/50	15/5/51	190	-	Slipped 15/5/51
		1951	4/11/51	14/10/52	345	-	-
		1952	N/A	Barren	-	-	-
UNCONCERN	1944 Local	1951	10/9/51	7/8/52	332	B. C.	-
		1952	18/11/52	21/10/53	337	C.	-

APPENDIX IX.

MONTHLY CONCEPTION PERCENTAGES FOR THOROUGHBRED MARES DURING THE 1950 - 1951 SEASON.

Particulars contained in Tables 6 to 11 are obtained from the Jockey Club by kind permission of Dr. G. Pfaff (1953) keeper of the Stud Book of South Africa. These tables deal only with mares that foaled as a result of services during one of the months shown. In each column is given the number of mares served during that month. The first figure is the number that did not foal, and the second figure is the number that foaled to services during the month; for instance -

Example : Coleaberg District i. Gans.

49 plus 33 is 82 mares were served in September, 1950.

Of these 49 did not foal to services during that month.

 " " 33 did foal " " " " "

Total :- 82 mares.

The 49 infertile mares and another 75 were served in October, 1950, giving a total of 124 mares served.

Of these 48 did not foal to services during that month.

76 did foal " " " " "

Total :- 124 mares.

The number served during November, 1950, is 16 plus 74 is 90 mares.

Of these 16 did not foal

74 did foal.

Total :- 90 mares.

etc.

.../

RESULTS OF SERVICES IN DIFFERENT MONTHS DURING THE 1950-1951 SEASON.

CAPE PROVINCE.

Table No. 6.

Districts	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.
Cape Town		-12					
Malmesbury		5:5	2:8	-15	-11		
Worcester		3:2	-15				
Robertson	-11	12:19	7:17	3:12	-13		
Beaufort West		5:1	1:10	2:5	-13		
Bedford		1:-	2:2	3:-	-12		
Hatterheim		2:-	2:2	1: 1	-11		
Cradock		8:2	3:12	4:2	-16		
Middelburg		11:10	9:19	8:11	-12		
Colesberg		49:33	48:73	16:74	-133	-13	
Burgersdorp		8:3	5:10	3:10	1:2	1:2	-1
Alival North	1:-	7:3	6:4	6:7	1:6	-1	
Elliot		4:8	3:1	2:2	-14		
Dordrecht		35:11	25:31	10:29	-14		
Herbert		8:4	4:9	1:5	1:1	-1	
TOTALS:-	1:1	158:100	115:208	59:170	3:93	1:7	-1
	2	258	323	229	96	8	1
PERCENTAGE	50	38.7	64.4	74.2	96.8	87.5	100

EAST ORANGE LAND.

Table No. 7.

Districts	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.
Franklin	-	2:2	5:6	1:10	1:1	-:1	-
Idutywa	-	3:2	2:1	1:3	-:2	-	-
New Amalfi	-	5:2	3:7	1:6	1:2	-:1	
TOTALS :-		10:6	11:14	3:19	2:5	-:2	
		18	25	22	7	2	
PERCENTAGE :-		37.5	56	66.3	71.4	100	

ORANGE FREE STATE.

Table No. 8.

Districts	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.
Frederic Smith		1:-	1:1	-:1	-:1		
Bloemfontein				2:1	-:3	-:1	
Clocolan	2:1	5:2	1:1	1:2	-:4	-:2	-:1
Rosendal		3:2	5:3	4:9	2:4	-:4	-:2
Bethlehem		7:9	3:12	2:6	-:3	-:1	
Reitz		2:1	3:1	2:2	-	1:1	
Vrede		7:6	5:10	6:6	-:6		
Kroonstad		-:4	-:1				
Vrededorp		2:-	4:1	2:6	-:2		
TOTALS :-	2:1	27:24	22:30	19:33	2:23	1:9	-:3
	3	51	52	52	25	10	3
PERCENTAGE :-	33.3	47	57.7	63.4	92	90	100

TRANSVAAL.

Table No. 9.

Districts	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.
Venterdorp		4:2	3:2	5:2	-18		
Klerkedorp		3:-	2:3	1:2	-12		
Vereeniging		3:8	1:1	1:3	-13		
Alberton		2:6	1:1	-1:1	1:1	-1:1	
Germiston		9:2	5:8	2:5	-14		
Roodekop		1:1	-1:1				
Springs			2:2	-1:4			
Heidelberg		2:1	3:2	-1:5			
Standerton		17:27	12:33	4:14	-1:4		
Amersfoort		-1:1	3:1	-1:4	-1:2		
Carolina		2:1	2:2	2:1	-1:2		
Pretoria	4:-		2:1	1:4	-1:1		
Potgietersrus		-1:2	-1:3				
TOTALS :-	4:-	43:51	36:60	17:45	11:37	-1:1	
	4	94	66	62	38	1	
PERCENTAGE :-	0	54.2	68.5	72.5	97.4	100	

NATAL.

Table No. 10.

Districts	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.
Dundee		-1:2	1:-	-1:3			
Rietvlief		13:7	11:7	8:12	2:11	-1:2	
Kool-river		3:2	3:2	-1:6	-1:2		
Rosetta		4:10	4:7	2:5	-1:2		
Nottingham Rd.		2:5	2:5	1:5			
Belgovan		1:-	-1:2	-1:3			
Howick		1:-	-1:2	-1:3			
TOTALS :-		25:26	23:27	11:37	2:15	-1:2	
		51	49	40	17	2	
PERCENTAGE :-		60.9	55.1	77	80.2	100	

SUMMARY OF MONTHLY CONCEPTION PERCENTAGES FOR THE 1950 BREEDING SEASON.

Table No. 11.

Areas.	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.
(1) CAPE	1:1	100:100	155:208	59:170	3:93	1:7	-11
(2) EAST GRIC- WALAND.	-1-	10:6	11:14	3:19	2:5	-:2	-1-
(3) C.F.S.	2:1	27:24	22:59	19:33	2:23	1:2	-13
(4) TRANSVAAL	4:-	43:51	36:60	17:45	1:37	-:1	-1-
(5) NATAL	-1-	25:23	22:27	11:37	2:15	-12	-1-
TOTALS :-	7:3	253:207	206:339	109:304	10:173	2:21	-14
	9	470	545	413	133	23	4
PERCENTAGE :-	22.4	44	62.2	73.6	94.5	91.3	100

A P P E N D I X X.

TABLES GIVING THE ORIGIN, THE DATE OF COLLECTION, THE CHEMICAL COMPOSITION ON A DRY
MATTER BASIS OF INDIVIDUAL PASTURE SAMPLES FROM AREAS IN THE KARROO MIDLANDS.

TABLE NO. I.

FOODSTUFFS	Crude Protein	Ether Extr.	Crude Fibre	Ash.	N-free Extr.	Dry matter	REFERENCE
OATS.							
grazed each time when 6" high.							
24/5/34	25.74	4.20	24.34	15.77	29.95	Total	Stead, H. (1954). Grootfontein College of Agriculture, Mid- delburg, Cape. Unpublished data.
23/6/34	20.14	4.10	19.10	14.80	41.86	"	
31/7/34	23.97	3.48	17.51	14.48	40.56	"	
25/8/34	16.55	2.74	19.24	10.97	50.50	"	
7/9/34	27.13	4.70	24.76	14.91	28.50	"	
29/9/30	23.83	3.80	22.59	15.80	33.98	"	
18/10/30	24.42	3.58	24.95	13.77	33.28	"	
WHEAT.							
grazed each time when 6" high.							
21/6/34	19.13	3.12	26.39	12.52	38.84	"	" "
28/7/34	20.11	2.66	22.39	12.20	42.64	"	
23/8/34	17.33	1.88	26.02	12.14	42.63	"	
6/9/34	25.24	3.55	21.83	14.13	35.25	"	
14/10/35	26.41	3.15	24.36	17.02	29.06	"	
12/11/35	22.73	3.76	25.37	14.56	33.58	"	
BARLEY.							
grazed each time when 6" high.							
17/5/34	24.44	3.57	22.04	18.28	31.67	"	" "
19/6/34	16.93	3.66	23.30	13.16	42.95	"	
19/7/34	18.45	2.98	24.38	14.44	39.75	"	
5/9/34	16.72	4.08	26.18	12.53	40.49	"	
12/10/31	16.29	3.06	29.85	10.24	40.56	"	
20/10/31	25.52	3.46	30.67	13.35	27.00	"	
LucERNE.							
grazed each time when 6" high.							
17/9/31	29.79	1.69	23.14	10.98	34.20	"	" "
23/10/31	28.41	1.74	20.59	11.07	38.19	"	
12/11/31	34.02	1.66	22.20	11.66	30.46	"	
4/12/31	31.44	2.02	22.01	11.18	33.35	"	
19/1/32	29.20	1.91	21.14	10.78	37.96	"	

TABLE NO. 2.

FOODSTUFFS	Crude Protein	Ether Extr.	Crude Fibre	Ash	N-free extract	Dry matter	Ca	P	K	Na	Cl	Mg	REFERENCES.
PENTZIA INCANA April Collection	13.21	4.23	24.76	8.26	46.20	71.12	2.24	.455	1.66	.47	.69	0.5	Henrici, M. (1935)
TETRACENE DRUGGI March Collection	13.74	2.40	29.07	8.75	46.04	66.19	1.12	.42	1.37	.12	.68	.55	"
ERAGROSTIS CURVULA March Collection	10.50	2.05	33.12	7.15	47.18	58.44	.36	.382	1.81	.13	.24	.12	"
THEMIDA TRIANDRA March Collection	3.24	1.60	36.36	12.83	45.97	87.17	.83	.16	.60	0.01	.14	.40	Botha, J.P. (1938). Henrici, M. (1943).
ERAGROSTIS LEBLANNIANA Late Summer Col- lection.	7.4	1.60	37.8	7.7	45.0	92.6							Le Roux, P.L. (1954). Grootfontein College of Agriculture, Middel- burg, Cape. Unpublished data.
ARISTIDA CONGESTA Late summer Col- lection.	6.2	1.4	43.7	10.3	38.4	95.1							" "
DIGITARIA ARGYROGRAPTA Late Summer Col- lection.	6.4	2.0	40.1	12.2	39.3	92.3							" "
COMPOSITE SAMPLE of Grass - mainly green. Farm - Landsdowne, Mid- delburg, Cape. Jan. 1934.	9.5	-	33.2	4.67	-	Total	.39	.26	2.60	.04	.33	.19	Du Toit, P.J. Louw, J.G. and Kalan, A.I. (1940).
COMPOSITE SAMPLE grass - mainly green, leafy and bush, mostly grass. Farm - Onbekend, Middel- burg, Cape. April, 1934.	13.2	-	30.6	7.45	-	Total	1.13	.27	2.80	.03	.60	.30	"

TABLE NO. 3.


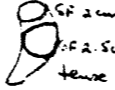
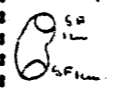
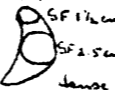
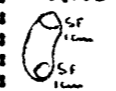
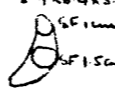
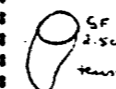

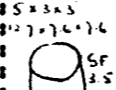
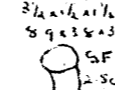
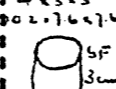
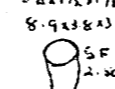
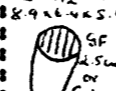
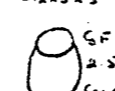

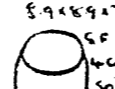
FOODSTUFFS	Crude Proteins	Ether Extr.	Crude Fibre	Ash	N-free extract	Dry matter	Ca	P	K	Na	Cl	Mg	REFERENCES.
OATS	9.4	6.0	10.2	3.6	90.9	90.1	0.15	0.31	-	-	-	-	Groenewald, J.W. (1952).
LUCERNE HAY	15.5	3.4	34.8	8.9	30.6	92.0	1.45	0.20	-	-	-	-	" "
PROPRIETARY MINERAL MIXTURE	Phosphorus (P) - 6.8 per cent. Calcium (Ca) - 20.4 " " Iron (Fe) - 0.16 " " Copper (Cu) - 0.005 " " Manganese (Mn) - 0.0004 per cent Cobalt (Co) - 0.0007 " " Iodine (I) - 0.0017 " " Salt (NaCl) - 5.0 " " Sodium sulphate (Na ₂ SO ₄) - 2.4 per cent Magnesium sulphate (MgSO ₄) 1.0 " "												Louw, J.G. (1957). Personal communication.

HISTORY SHEETS OF EACH MARE.

The history sheets reflect details and examination records of each mare. The shape of the ovaries is diagrammatically presented. Ovulation is indicated as a rupture on the surface, whereas it only occurs through the ovulation fossa. The size of the ovaries is stated in the following sequence :- length (antero-posteriorly) x width (lateral-medially) x height (dorso-ventrally), and is given in inches and in centimeters.

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MARE: ARMORIAL.

YEAR	HEAT DATE	PERIOD LENGTH	EXTERNAL HEAT	VAGINA	EXAMINATION LEFT. Ovary. RIGHT.	UTERUS	SERVICE DATE	REMARKS	FOALING DATE	GESTATION LENGTH	REMARKS	
			26/11	—	Rectally cervix firm; hard; projects like finger; Vestibule pink	 2 1/2 x 1 1/2 x 1 1/2 8.9 x 6.4 x 5.1 SF 2.5cm tense	 3 1/2 x 2 1/2 x 2 1/2 8.9 x 6.4 x 5.1 SF 2.5cm tense	R.H.B. 2 1/2" diam L.H.B. 4" " Horns responsive contracting firmly.				
			30/11	—	do.	 2 1/2 x 1 1/2 x 1 1/2 8.9 x 6.4 x 5.1 SF 2.5cm tense	 3 1/2 x 2 1/2 x 2 1/2 8.9 x 6.4 x 5.1 SF 2.5cm tense	do.				
			2/12	—	do. Vestibule pale	 2 1/2 x 1 1/2 x 1 1/2 8.9 x 6.4 x 5.1 SF 2.5cm tense	 3 1/2 x 2 1/2 x 2 1/2 8.9 x 6.4 x 5.1 SF 2.5cm tense	do.				
	5/12-13/12	9	5/12	+	Rectally cervix fleshy; vestibule light pink.	 2 1/2 x 1 1/2 x 1 1/2 8.9 x 6.4 x 5.1 SF 2.5cm tense	 3 1/2 x 2 1/2 x 2 1/2 8.9 x 6.4 x 5.1 SF 2.5cm tense	R.H.B. 2 1/2" diam L.H.B. relaxed 5" in diam. lying on pelvic floor but contracting slowly but firmly.				
			7/12	+++	Rectally cervix very flabby and soft. Vestibule red.	 5 x 3 x 3 12.7 x 7.6 x 7.6 SF 2.5cm tense	 3 1/2 x 2 1/2 x 2 1/2 8.9 x 6.4 x 5.1 SF 2.5cm tense	R.H.B. 1 1/2" diam L.H.B. 4" " contracting firmly.	7/12		Service satisfactory; no semen withdrawn.	
			8/12	+++	do.	 4 x 3 x 3 10.2 x 7.6 x 7.6 SF 3cm tense	 3 1/2 x 2 1/2 x 2 1/2 8.9 x 6.4 x 5.1 SF 2.5cm tense	do.				
			9/12	+++	do.	 2 1/2 x 2 1/2 x 2 1/2 8.9 x 6.4 x 5.1 SF 2.5cm C.L. doughy	 3 1/2 x 2 1/2 x 2 1/2 8.9 x 6.4 x 5.1 SF 2.5cm C.L. doughy	do.	9/12		Service satisfactory; no semen withdrawn.	Follicular luteinization without rupture.
			10/12	+++	Cervix flaccid vestibule red	 3 1/2 x 2 1/2 x 2 1/2 7.6 x 6.4 x 5.1 C.L. 2.5cm doughy	 3 1/2 x 2 1/2 x 2 1/2 8.9 x 6.4 x 5.1 SF 2.5cm soft doughy	Contracts firmly round and tense				

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MARE: ARMORIAL.

YEAR	HEAT PERIOD DATE	LENGTH	EXTERNAL HEAT	VAGINA	EXAMINATION LEFT. OVARY. RIGHT.	UTERUS	SERVICE DATE	REMARKS	FOALING DATE	GESTATION LENGTH	REMARKS
	11/12		+++	Cervix fleshy firm 2 1/2" diam. vestibule red.			Contracts firmly round and tense.				
	12/12		+++	do.			Uterine horns relaxed but contracting readily and firmly	12/12	Exam. 7 a.m. Service 7.30 a.m. Satisfactory. Date ovulation 12/12/52		
	13/12		+++	Vestibule red		-	-				
	14/12		--	do. cervix fleshy, firm.			do.				
	16/12		--	cervix firm vestibule pink			do.				
	18/12		--	cervix projects like a finger firm and hard. Vestibule pale.			R.H. & L.H. contracted very firmly and circular				
	22/12		--	cervix firm projects like finger vestibule pale			R.H.B. 2" diam. L.H.B. 3 1/2" horns round firmly contracted.				
	28/12		--	cervix fleshy soft and broad. Vestibule pale.			R.H.B. 2" diam. L.H.B. 5 1/2" L.H. relaxed on Pelvic flow Both contract slowly but not firmly.		Noticed on heat during first week in Jan. but not served.		
	8/1		--	cervix fleshy vestibule pink			R.H.B. 2 1/2" cm. L.H.B. 3 1/2" cm. horns contract sluggishly.				
	29/1			cervix fleshy but firm. Vestibule pink.			L.H. very flabby and relaxed. L.H.B. 5" diam. R.H. contracts very sluggishly. R.H.B. 2" diam.		Blood send to Understeport negative.		

MARK: ARMORIAL.

YEAR	HEAT PERIOD DATE	HEAT PERIOD LENGTH	EXTERNAL HEAT	VAGINA	EXAMINATION LEFT. OVARY. RIGHT.	UTERUS	SERVICE DATE.	REMARKS	FOALING DATE	GESTATION LENGTH.	REMARKS
			5/2	cervix fleshy vestibule pink		B.R.H. 2" B.L.H. 3" uterine horns contract very sluggishly.					
			12/2	cervix fleshy vestibule pink with airbubbles.		uterine horns flabby, con- tracting very slowly.					

NO. 2. ADDITION II.







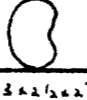
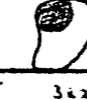


OWNER:

MARE: ADDITION II. (Imported).

BORN: 1942.

BREEDING: FAIRTRIAL - MOONSONG. Unraced.

ANAMNESIS: 1946: served on 21/4/46 in England Foaled 20/3/47 342 1949: served 27/9/49 Foaled 17/8/50 324
 1947: served 13/10, 15/10, 17/10 " 9/9/48 328
 1948: served 20/9 " 21/8/49 335

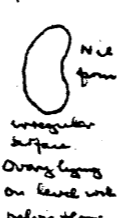
YEAR	HEAT PERIOD DATE	LENGTH	EXTERNAL HEAT	EXAMINATION VAGINA	LEFT. OVARY.	RIGHT.	UTERUS	SERVICE DATE	REMARKS	FOALING DATE	GESTATION LENGTH	REMARKS
1950	21-24/9	4						22/9/50		25/8/51	337	
1951	5-7/9	3	8/9 ++					7/9/51		3/8/52	331	
1952	8-10/9	3	9/9 +++	c3. CIII vestibule: hyperaemia red			Responsive; contracts on handling. L.H. = 3 1/2" diam. R.H. = 3" "					
			10/9 +++	c3. CIII vestibule: red			Uterus medium; Firmly contracted; sponge rubber; circular turgid. Left horn larger than right horn	10/9/52	Satisfactory. Ser-vice per-formed after ex-amination and rupture of folli-cle. Esti-mated time of rupture: 4-6 hours previously			
			11/9 -	c3. CIII vestibule: red			Uterus turgid; circular and still asymmetrical					
			12/9 -	c2. CIII vestibule: pink			L.H. > R.H. -> do	L.H. larger than R.H.				
			16/9 -	b2. R2. Vestibule: pink			do.					

MARE: AUDITION II.

YEAR	HEAT PERIOD DATE	LENGTH	EXTERNAL HEAT	VAGINA	EXAMINATION LEFT. OVARY. RIGHT	UTERUS	SERVICE DATE	REMARKS	FOALING DATE	GESTATION LENGTH	REMARKS
1952			18/9	—	al. B2. vestibule: pink	3 1/2 x 2 1/2 7 6 x 6 x 5.5 3 1/2 x 2 1/2 7 6 x 6 x 5.5 do. douchy cancer					
			22/9	—	al. BII vestibule pale	3 1/2 x 2 1/2 7 6 x 6 x 5.5 3 1/2 x 2 1/2 7 6 x 6 x 5.5 Uterus circular firmly contracted. Turgid.		R.H. smaller than L.H. R.H.B. 2 1/2" L.H.B. 3 1/2"			
			25/9	—	al. BII vestibule: pale	3 1/2 x 2 1/2 7 6 x 6 x 5.5 3 1/2 x 2 1/2 7 6 x 6 x 5.5 do.		do.			
			30/9	—	al. AI vestibule pale very small amount of sticky mucus.	3 1/2 x 2 1/2 7 6 x 6 x 5.5 3 1/2 x 2 1/2 7 6 x 6 x 5.5 do.		do.			
			9/10	—	no : AI vestibule pale	3 1/2 x 2 1/2 7 6 x 6 x 5.5 3 1/2 x 2 1/2 7 6 x 6 x 5.5 do.		do.			
			22/10	—	no : AI mucous very tacky; vestibule pale	3 1/2 x 2 1/2 7 6 x 6 x 5.5 3 1/2 x 2 1/2 7 6 x 6 x 5.5 R.H.B. 2" L.H.B. goose- egg size, swelling.					
			31/10	—	no : AI vestibule pale	3 1/2 x 2 1/2 7 6 x 6 x 5.5 3 1/2 x 2 1/2 7 6 x 6 x 5.5 L.H.B. cont. orange-sized fluctuating swelling.	Uterus stiff responsive and firmly contracted.	Blood test: forwarded Underste- poort La- boratories: Positive			
			7/11	—	no : AI vestibule: pale	3 1/2 x 2 1/2 7 6 x 6 x 5.5 3 1/2 x 2 1/2 7 6 x 6 x 5.5 L.H.B. cont. grapefruit size swelling with 5" diam.	Uterus still re- sponsive and firmly contracted.				
			21/11	—	no : AI vestibule pale	3 1/2 x 2 1/2 7 6 x 6 x 5.5 3 1/2 x 2 1/2 7 6 x 6 x 5.5 L.H.B. cont. 8" diam. swelling soft fluctuating watery thin walled.	Uterine walls re- laxed not responsive.				

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MARE: AUDITION II.

YEAR	HEAT PERIOD DATE	LENGTH	EXTERNAL HEAT	VAGINA	EXAMINATION LEFT. OVARY. RIGHT.	UTERUS	SERVICE DATE	REMARKS	FOALING DATE	GESTATION LENGTH	REMARKS
			7/12 -	ao : AI vestibule pale. Rectally the cervix can be felt finger shaped very firm and pulled forwards.	3x1 1/2 x 1 1/2 7x3x2 1/2  irregular surface Ovary hangs on level with pelvic floor	5/2 x 2 1/2 4x2 1/2 C.H. 3.5cm 5.7cm 5.5cm Ovary suspended half way down the pelvic cavity		Soft thin walled relaxed, unresponsive, cont. balloon 15" diam. fluctuating 2/3rd, left horn 1/3rd in body. Portion of the pregnant horn is lying over the Pelvic brim.			Ovarian ligament very taut. Uterine arteries large (pencil-size thickness) and distinct.
			14/1 -	Vestibule pale rectally cervix hard and finger-like.	out of reach	out of reach		womb over Pelvic brim uterine walls thin, bladder like about 19" broad.			

NO. 3. BARCAROLLA.













OWNER:

MARE: BARCAROLLA. (Local Bred).

BORN: 1945.

BREEDING: SOLDIER KING - TIARELLA.

ANAMNESIS: Brought to stud during 1950.

YEAR	HEAT PERIOD DATE	LENGTH	EXTERNAL HEAT	VAGINA	EXAMINATION	LEFT. OVARY. RIGHT.	UTERUS	SERVICE DATE	REMARKS	FOALING DATE	GESTATION LENGTH	REMARKS
1950	11/9-18/9	8						Not served				
	3/10-9/10	7						7/10		15/9/51	343	
1951	23/9-26/9	4						Not served	Bruised vulva.			
	10/10-14/10	5						12/10		27/9/52	351	
1952	4/10-8/10	5	4/10	++								
			5/10	+++	c3. CIII. vestibule: red			Uterine horns: very big; conical; Base of horns: 4" diam. Firm; fleshy; Symmetrical.	5/10 intra-uterine	Ovaries far in abdomen		
			7/10	+++	vestibule red, rectally cervix soft flabby-outlines indistinct			do.				
			8/10	+++	do.			do.				
			9/10	++	do.				Not served: Mare "off" in the evening			
			10/10	-	vestibule pale, cervix firmer in consistency.			very big, conical, firm.				
			20/10	-	vestibule pale rectally cervix hard projects like a finger			still big fleshy, relaxed				

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MARE: BARCAROLLA.


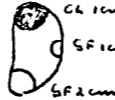
YEAR	HEAT PERIOD DATE	LENGTH	EXTERNAL HEAT	VAGINA	EXAMINATION LEFT. OVARY. RIGHT.	UTERUS	SERVICE DATE	REMARKS	FOALING DATE	GESTATION LENGTH	REMARKS
			28/10 --	vestibule pale rectally cervix hard projects like a finger	2 1/2 x 2 x 2 8 x 5 x 2.5 cm SF 2 cm	3 x 2 x 2 7.6 x 5.1 x 5.1 irregular firm	uterine horns flabby; do not contract readily				
			30/10 --	do.	3 1/4 x 2 x 2 8.9 x 5.1 x 5.1 SF 3.5 cm	3 1/2 x 2 1/2 x 2 7.6 x 6.0 x 5.1 irregular firm	uterine horns contracting firmly				
			5/11 --	do.	2 1/2 x 2 x 2 8.9 x 5.1 x 5.1 SF 3.5 cm	3 1/4 x 3 x 2 8.9 x 7.6 x 5.1 SF 4 cm	Sensitive and responsive contracts firmly and circularly. Base uterine horns 3" diam.				
			7/11 --	do.	4 1/2 x 3 x 3 11.5 x 7.6 x 7.6 SF 4.5 cm Soft Waxy flaccid	3 1/2 x 3 x 2 8.9 x 7.6 x 5.1 SF irregular flaccid	flabby; big relaxed.				
			9/11 --	rectally cervix tight and firm; vestibule pale	4 1/2 x 3 x 3 11.5 x 7.6 x 7.6 SF 3.5 cm Soft flaccid	3 1/2 x 3 x 2 8.9 x 7.6 x 5.1 SF 4 cm dangling	uterine horns large and flabby.				
			12/11 --	do.	4 1/2 x 3 x 3 11.5 x 7.6 x 7.6 SF 2.5 cm Soft flaccid	3 1/2 x 3 x 2 8.9 x 6.4 x 5.1 SF 1.5 cm dangling	uterine horns fairly large contracts readily, base of womb 3" diam.				
15/11-19/11		5	16/11 ++	rectally cervix soft and flabby h2, CIII vestibule red.	3 1/4 x 2 x 2 8.9 x 5.1 x 5.1 SF 3 cm fairly tense	3 1/2 x 2 x 2 8.9 x 5.1 x 5.1 SF 1 cm dangling tense	horns flabby relaxed. Do not con- tract readily.				
			17/11 +++	vestibule red	do.	do.			17/11		Satisfacto- ry, no semen withdrawn and spilled.

MARE: BARCAROLLA.


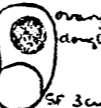
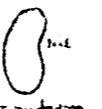
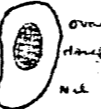
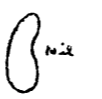
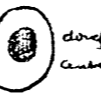
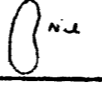
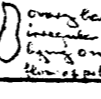
YEAR	HEAT PERIOD		EXTERNAL HEAT	EXAMINATION		UTERUS	SERVICE DATE	REMARKS	FOALING DATE	GESTATION LENGTH	REMARKS
	DATE	LENGTH		VAGINA	LEFT. OVARY. RIGHT						
			18/11	+++	c3. CIII vestibule red. Cervical outline indistinct.	3x2x2 7.6x5.1x5.1 SF 2.5cm Tense	3/4x2x2 8.9x5.1x5.1 SF 1cm dewy center	Flabby			
			19/11	+	rectally cervix open. vestibule red.	3x2x2 7.6x5.1x5.1 SF 2.5cm Tense	3/4x2x2 8.9x5.1x5.1 SF 1cm dewy center	do.			
			20/11	-	rectally cervix fleshy and firmer	2 1/2 x 1 1/2 x 1 6.4 x 3.5 x 2.5 SF 2.5cm	2 1/2 x 1 1/2 x 1 6.4 x 3.5 x 2.5 SF 2.5cm SF 1cm	do.			
			21/11	-	rectally cervix firm and fleshy. Vestibule pink.	2 x 1 x 1 5.1 x 2.5 x 2.5 SF 2.5cm	2 1/2 x 1 1/2 x 1 6.4 x 3.5 x 2.5 SF 2.5cm SF 2.5cm	Flabby relaxed unresponsive			
			23/11	-	rectally cervix hard and closed. Vestibule pale.	2 x 1 x 1 5.1 x 2.5 x 2.5 SF 2.5cm	3 1/2 x 2 1/2 x 1 8.9 x 7.6 x 6.4 SF 2.5cm SF 2.5cm	do.			
			26/11	-	do.	2 x 1 x 1 5.1 x 2.5 x 2.5 SF 2.5cm	5 x 3 x 3 12.7 x 7.6 x 7.6 SF 4cm Soft Kinked SF 2.5cm	do.			
			3/12	-	rectally cervix relaxing; fleshy. Vestibule shiny reddish.	2 1/2 x 1 1/2 x 1 6.4 x 3.5 x 2.5 SF 1cm Surface of ovary fine granular.	5 1/2 x 2 1/2 x 2 11.2 x 6.4 x 6.4 SF 6cm warty flabby SF 2cm	uterine horns flabby con- tracting very slowly. L.H.B. 3 1/2 diam R.H.B. 2 1/2 " " R.H.-lying pass Pelvic brim on ab- dominal floor with R.O. sus- pended on level of ute- rine corner			
	4/12-5/12	2	4/12	+++	c3. CIII vestibule red.	2 1/2 x 1 1/2 x 1 6.4 x 3.5 x 2.5 SF 1cm	3 x 2 x 2 7.6 x 5.1 x 5.1 SF 1cm hard long SF 2.5cm at 7 a.m.	do.	4/12 at 8 a.m.	Satisfacto- ry. Rupture of follicles on 4/12/52	

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MARE: BARCAROLLA.

YEAR	HEAT PERIOD DATE	LENGTH	EXTERNAL HEAT	VAGINA	EXAMINATION LEFT. OVARY. RIGHT.	UTERUS	SERVICE DATE	REMARKS	FOALING DATE	GESTATION LENGTH	REMARKS
	5/12		+++		2 1/2 x 1 1/2 x 1 1/2 6.0 x 3.5 x 3.5	3 1/2 x 2 x 2 8.9 x 5.1 x 5.1		uterine horns flabby and relaxed. Do not contract on handling.			
	7/12		-	rectally cervix contracted; firm 3" diam. vestibule pink.	 1cm SF 1cm	 1cm SF 1cm					
	11/12		-	cervix firm rectally 2 1/2" diam. vestibule pale not examined by speculum.	2 1/2 x 1 1/2 x 1 1/2 6.4 x 3.8 x 3.8	3 x 2 1/2 x 2 7.6 x 6.4 x 5.1		uterine horns relaxed flabby and do not contract on handling.			
	18/12		-	do. vestibule pink	2 1/2 x 1 1/2 x 1 1/2 6.4 x 3.5 x 3.5	3 1/2 x 2 1/2 x 2 8.9 x 6.4 x 5.1		do. uterine horns lying on the Pelvic floor			
	24/12		-	cervix firm and flabby; vestibule pink. do.	2 1/2 x 1 1/2 x 1 1/2 6.4 x 3.8 x 3.8	3 1/2 x 2 x 2 8.9 x 5.1 x 5.1		R.H.B. 2 1/2" L.H.B. 3 1/4" relaxed, does not contract readily and then not firmly, walls oval.			
	31/12		-	cervix hard and finger-like. Vestibule pink. do.	3 x 1 x 1 5.1 x 2.5 x 2.5	4 x 3 x 3 10.2 x 7.6 x 7.6		Horns contract firmly and circularly. Base R.H. 2 1/2" L.H. 3"			
	8/1		Not tried	cervix hard and finger-like. Vestibule pale. so. AI.	3 x 2 1/2 x 2 7.6 x 6.4 x 5.1	5 x 3 x 3 12.7 x 7.6 x 7.6		Horns relaxed; but on handling contracting slowly. walls appear collapsed.			
	15/1		do.	do.	2 1/2 x 1 1/2 x 1 1/2 6.4 x 3.5 x 3.5	5 x 3 x 3 12.7 x 7.6 x 7.6		do. L.H.B. tennis ball size swelling			
	22/1		do.	cervix hard, finger-like, vestibule pink.	2 1/2 x 1 1/2 x 1 1/2 6.4 x 3.5 x 3.5	5 x 3 1/2 x 3 12.7 x 9.4 x 7.6		Uterine horns relaxed contracting slowly. R.H.B. 2 1/2" L.H.B. orange size swelling			Bled 23/1 to Onderstepoort Laboratories. Positive.

MARE: BARCAROLIA.

YEAR	HEAT PERIOD DATE	LENGTH	EXTERNAL HEAT	VAGINA	EXAMINATION LEFT. OVARY. RIGHT.	UTERUS.	SERVICE DATE	REMARKS.	FOALING DATE	GESTATION LENGTH	REMARKS.
	29/1		Not tried	Cervix hard and finger-like vestibule red.	2 1/2 x 1 1/2 x 1 1/2 6.4 x 1.5 x 1.8  SF 1cm SF 2cm	5 x 3 x 2.5 12.7 x 5.4 x 7.6  ovary doughy SF 3cm Soft		L.H.B. grape-fruit size swelling 1/3rd in body of uterus. R.H. contracts firmly.			
	4/2	do.		Cervix finger-like Vestibule pale	2 1/2 x 1 1/2 x 1 1/2 6.4 x 3.5 x 3.8  N.H. ovary firm	5 x 3 x 2.5 12.7 x 5.4 x 7.6  ovary N.H.		R.H. contracts firmly base 2 1/2" L.H.B. small football size soft thin wall Fluctuates			
	11/2	do.	do.	do.	2 1/2 x 1 1/2 x 1 1/2 5.1 x 3.5 x 3.8  N.H.	5 x 3 x 2.5 7.6 x 1.6 x 1.6  doughy ovary		Pregnancy partly over Pelvic brim into abdomen Fluctuates soft thin walls.			
	19/2	do.	do.	do.	2 1/2 x 1 1/2 x 1 1/2 5.1 x 3.5 x 3.8  N.H.	17 x 11 x 11 18 x 12 x 11  ovary firm		Pregnancy over Pelvic brim and intra-abdominal			
	26/2	do.	do.	do.	do.	do.		do.			
	21/3	do.	do.	do.	Out of reach.	do.					

NO. 4. BLUE VISION.

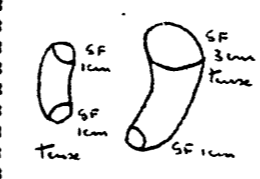
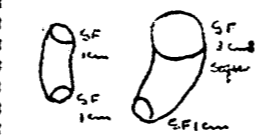
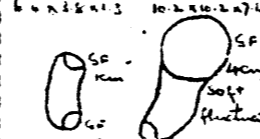
OWNER:

MARE: BLUE VISION (Local bred).

BORN: 1943.

BREEDING: MARCIUS-SPECTRUM.

ANAMNESIS: 23/10/49. Ch. colt
 17/10/50. Ch. filly
 8/11/51. Ch. colt

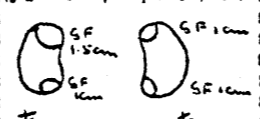
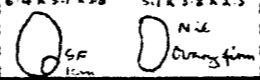
YEAR	HEAT PERIOD DATE	LENGTH	EXTERNAL HEAT	VAGINA	EXAMINATION LEFT. OVARY. RIGHT.	UTERUS	SERVICE DATE	REMARKS	FOALING DATE	GESTATION LENGTH	REMARKS
1950	24/10-28/10	5					25/10				
	12/11-17/11	6					13/11&17/11				
	2/12-8/12	7					3/12&6/12		8/11/51	337	
1951	16/11-19/11	4					16/11		20/10/52	339	Modified Caslick Operation on 9/1/51 to prevent avo-vagina.
1952	28/10-1/11	5	28/10	⇨⇨	c2 BII vestibule pink	<p>2 1/2 x 1 1/2 x 1/2 4 x 4 x 3 6 x 4 x 3 x 1.3 cm 10 x 10 x 1.7</p>  <p>Horns big and flabby conical; uterine horns contracting firmly but fleshy. Base of womb 4" diam Cold abscess 2" long, broad in rectal wall.</p>					
	29/10	⇨⇨⇨	c3 CIII vestibule red	<p>2 1/2 x 1 1/2 x 1/2 4 x 4 x 3 6 x 4 x 3 x 1.3 10 x 10 x 1.7</p> 	do.	29/10	Satisfactory service; intra-uterine insemination and vagina contains no semen.				
	30/10	⇨⇨⇨	c3 CIII vestibule red	<p>2 1/2 x 1 1/2 x 1/2 4 x 4 x 3 6 x 4 x 3 x 1.3 10 x 10 x 1.7</p> 	do.						

MARE: BLUES VISION.

YEAR	HEAT PERIOD DATE	LENGTH	EXTERNAL HEAT	VAGINA	EXAMINATION LEFT. OVARY. RIGHT.	UTERUS.	SERVICE DATE	REMARKS	FOALING DATE	GESTATION LENGTH	REMARKS
	31/10. 7 a.m. do.		do.	do.	do.	do.	31/10	Service satisfactory intra-uterine insemination. Served at 7 a.m. during G.F. rupture 31/10/52.			
	31/10. 5 p.m. ***		e3	CIII	2 1/2 x 1 1/2 x 1/2 6 x 3 x 3 x 3 SF 1cm C.F. 1cm	3 x 3 x 3 7 x 6 x 7 x 6 ovary Kistly cystic rupture					
	1/11		+	vestibule red.							
	2/11		-	bl BII vestibule pink	2 1/2 x 1 1/2 x 1/2 6 x 3 x 3 x 3 SF 1cm C.F. 1cm	3 1/2 x 3 x 3 8 x 7 x 6 x 7 x 6 C.H. ov a doughy center		base of horns 3" diam. Uterus still involuting but contracting firmly.			
	9/11		-	vestibule pale cervix rectally finger-size, firm	3 1/2 x 2 1/2 x 1/2 7 1/2 x 5 1/2 x 3 x 3 SF 2.5cm C.F. 1cm	3 1/2 x 3 x 3 5 1/2 x 7 x 6 x 7 x 6 doughy center		do.			
	18/11		-	do.	4 x 2 1/2 x 2 10 x 2 x 6 x 4 x 5 x 1 SF 2.5cm C.F. 1cm	4 x 2 1/2 x 2 10 x 2 x 6 x 4 x 5 x 1 C.H. 3cm doughy		uterine horns responsive; firm circular; both horn bases 2 1/2" in diam.			
	26/11		-	do.	4 x 2 1/2 x 2 10 x 2 x 6 x 4 x 5 x 1 SF 2.5cm C.F. 1cm	4 x 2 1/2 x 2 10 x 2 x 6 x 4 x 5 x 1 C.H. 3cm		do. Base L.H. fourleg size; swelling.			
	3/12		-	do.	4 x 2 1/2 x 2 10 x 2 x 6 x 4 x 5 x 1 SF 2cm C.F. 1cm	4 x 2 1/2 x 2 10 x 2 x 6 x 4 x 5 x 1 C.H. 3.5 Cm		uterine horns contracting firmly and cylindrical Base L.H. small orange size swelling;			
	14/12		-	do.	4 x 2 1/2 x 2 10 x 2 x 6 x 4 x 5 x 1 SF 2.5cm C.F. 1cm	5 x 3 1/2 x 3 12 x 7 x 5 x 7 x 6 C.H. 5cm		uterine horns responsive R.H.B. 2 1/2" turgid. L.H.B. large orange.			Blood test to Understee sport Laboratory Positive.

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MARE: BLUE VISION.

YEAR	HEAT PERIOD DATE	LENGTH	EXTERNAL HEAT	VAGINA	EXAMINATION LEFT. OVARY. RIGHT.	UTERUS.	SERVICE DATE	REMARKS	FOALING DATE	GESTATION LENGTH	REMARKS
			15/1	—	do.	4x2 1/2 x 2 1/2 10x2 1/2 x 2 1/2 					womb 15" across feels like a large thin walled bladder lying just on pelvic brim.
			12/2		vestibule pale cervix very hard finger-like 						Pregnancy in abdominal cavity.
			27/3/53								Mare died Horseshickness. Post-mortem revealed pregnancy.

NO. 1. CALAMITY JANE.

OWNER:

MARE: CALAMITY JANE (Local Bred).

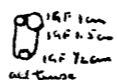
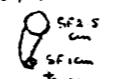
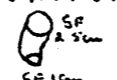
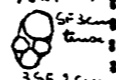
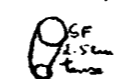
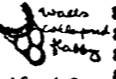
BORN: 1937.

BREEDING: HUSSEIN - KENTISH PATSY.

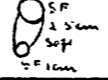
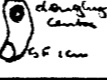
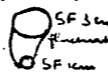
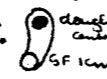
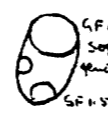
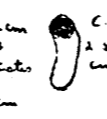
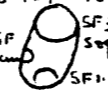
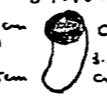
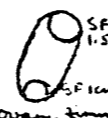
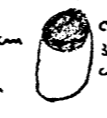
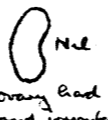
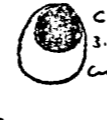

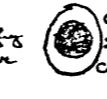
ANAMNESIS: 9/9/45 - Ch. colt 13/8/50 - Ch. filly
 30/7/46 - Slipped 8/8/51 - Ch. colt
 27/9/47 - Ch. colt
 22/3/48 - Slipped
 27/8/49 - Ch. colt.

YEAR	HEAT PERIOD DATE	LENGTH	EXTERNAL HEAT	EXAMINATION. VAGINA	LEFT. OVARY.	RIGHT.	UTERUS	SERVICE DATE	REMARKS	FOALING DATE	GESTATION LENGTH	REMARKS
1950	9/9-17/9	9						10/9		8/8/51	332	
1951	5/9-7/9	3						Not served		6/8/52	316	
	24/9-25/9	2						25/9				
1952	1/10/52		—	so, AII Vicious re- sentment	2 1/2 x 1 1/2 6 x 3 1/2	3 x 2 1/2 7 x 5 1/2	Small, sym- metrical 2 1/2 diam. Very firm and rounded.					
	8/10/52		—	so, AII do.	2 1/2 x 1 1/2 6 x 3 1/2	3 x 2 1/2 7 x 5 1/2	do.					
	16/10/52		—	so, AII do.	2 1/2 x 1 1/2 6 x 3 1/2	3 x 2 1/2 7 x 5 1/2	do.			16/10 1500 P.M.S. (B.W.) 1000 L.H. (Prolan) both subcu- taneously.		
	21/10/52		—	so, AII do.	2 1/2 x 1 1/2 6 x 3 1/2	3 x 2 1/2 7 x 5 1/2	do.					
	24/10/52		—	so, AII do.	3 x 2 1/2 7 x 5 1/2	3 x 2 1/2 7 x 5 1/2	do.					

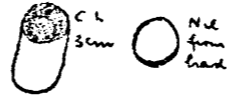
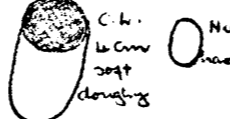
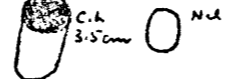
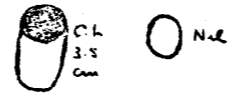
NAME: CALANITY JANE.

YEAR	HEAT PERIOD DATE	PERIOD LENGTH	EXTERNAL HEAT	VAGINA	EXAMINATION LEFT. OVARY. RIGHT.	UTERUS.	SERVICE DATE	REMARKS	FOALING DATE	GESTATION LENGTH.	REMARKS
			29/10	—	ao, AII vestibule pale	3x2 1/2 x 2 1/2 7.6 x 6.4 x 5.1  2.6F 1.5cm 2.5F 1cm tense		relaxed, soft pliable contracting slowly.			
			2/11	—	ao, AII vestibule pale	3 1/2 x 2 1/2 6.9 x 6.1 x 5.1  2.5F 2cm 2.5F 1cm tense		At first flabby but contracting slowly on handling			
			6/11	—	ao, AII vestibule pale	do do		Flabby contracting slowly.			
			11/11	—	ao, AII vestibule pale	do do		do.			
			16/11	—	ao, AII vestibule pale	do do		do.			On 16/11/52: 3,000 P.M.S. subcutaneous 25. mgm. Progesterone intramuscularly. 1,000 c.c. saline intra-uterine
	21/11-24/11	4	21/11	•	e2, BIII vestibule pale	3 1/2 x 2 1/2 7.4 x 6.4 x 5.1  3 x 3 x 3 7.4 x 7.4 x 7.4  5F 3cm 3.5F 2cm tense		Contracting slowly to firm consistency.			
			22/11	•••	e2, CIII vestibule pink	do do		Contracting slowly to firm consistency.	22/11/52		Satisfactory service vice no semen with drawn and spilled. vagina dry. Insemination intra-uterine.
			23/11	•••	e3, CIII vestibule red	3 3/4 x 2 1/2 x 2 8.9 x 6.4 x 5.1  2 1/2 x 1 1/2 x 1 1/2 6.4 x 3.8 x 3.8 swollen collapsed flabby  3.5F 1.5cm tense		Uterine horns contract readily.			Estimated date of rupture 23/11

MARE: CALAMITY JANE.

YEAR	HEAT PERIOD DATE	LENGTH	EXTERNAL HEAT	VAGINA	EXAMINATION LEFT. OVARY. RIGHT.	UTERUS.	SERVICE DATE.	REMARKS	FOALING DATE	GESTATION LENGTH	REMARKS
	24/11	+++	vestibule red		Not examined.		24/11	Service satisfactory.			
	25/11	--	Rectally cervix fleshy; defined vestibule red.		<p>3 1/2 x 2 1/2 x 1 1/2 8 9 x 6 x 4 1/2</p>  <p>SF 2.5cm Sept</p> <p>2 1/2 x 1 1/2 x 1 1/2 6 4 x 3 1/2 x 2 1/2</p>  <p>dangling centre</p>	Uterine horns contract readily and firmly.					
	30/11	--	Rectally cervix vicious; clearly defined vestibule pale.		<p>3 1/2 x 2 1/2 x 1 1/2 8 9 x 6 x 4 1/2</p>  <p>SF 3cm Sept</p> <p>2 1/2 x 1 1/2 x 1 1/2 6 4 x 3 1/2 x 2 1/2</p>  <p>dangling centre</p>	do.					
	3/12	--	Rectally cervix vicious; projects like finger; vestibule pale.		<p>4 x 3 x 3 10 2 x 7 6 x 7 6</p>  <p>SF 4cm Sept</p> <p>2 1/2 x 2 1/2 x 1 1/2 6 4 x 3 1/2 x 2 1/2</p>  <p>C.H. 2.5cm</p>	Horns contracted slowly but firmly; Walls remain fairly soft and oval. Base both horns 2 1/2".					
	11/12	--	do. vicious;		<p>3 1/2 x 3 x 3 8 9 x 7 6 x 7 6</p>  <p>SF 3cm Sept</p> <p>3 1/2 x 3 x 2 8 9 x 7 6 x 5 1/2</p>  <p>C.H. 3.5cm</p>	Horns tightly contracted. Firm and circular.					
	18/12	--	do. vicious;		<p>3 x 2 x 2 7 6 x 5 1/2 x 5 1/2</p>  <p>SF 1.5cm Sept</p> <p>3 1/2 x 3 x 3 8 9 x 7 6 x 5 1/2</p>  <p>C.H. 3.5cm</p>	Both horns firmly contracted circular and turgid. R.H.B. bantam; egg size swelling.					
	24/12	--	do, AI vicious; vestibule pale and sticky.		<p>2 x 1 1/2 x 1 1/2 5 1 x 3 8 x 3 8</p>  <p>N.E.</p> <p>3 x 3 x 3 7 6 x 7 6 x 7 6</p>  <p>C.H. 3.5cm</p>	Horns firmly contracted; circular, turgid. R.H.B. fowl; egg size swelling.					
	31/12	--	Rectally cervix vicious; hard, projects like a finger.		<p>2 x 1 1/2 x 1 1/2 5 1 x 3 8 x 3 8</p>  <p>dangling centre</p> <p>2 1/2 x 2 1/2 x 1 1/2 6 4 x 5 1/2 x 4 1/2</p>  <p>C.H. 2.5cm</p>	do. R.H.B. goose; egg swelling.					

MARE: CALAMITY JANE.

YEAR	HEAT PERIOD DATE	LENGTH	EXTERNAL HEAT	VAGINA	EXAMINATION	UTERUS	SERVICE DATE	REMARKS	FOALING DATE	GESTATION LENGTH	REMARKS
	7/1/53	--	vicious	do.	5x2 x 2 76 x 5.1 x 5.1 	1 1/2 x 1 1/2 3 5/8 x 5 3/8 do. R.H.B. grape- fruit size swelling in body in horn		Blood for- warded to Onderste- poort Lab. Positive.			
	22/1/53	--	vicious	do.	3 1/2 x 2 1/2 x 2 8 9/16 x 4 1/2 x 5 1/2 	1 1/2 x 1 1/2 3 5/8 x 5 3/8 R.H.B. preg- nancy size child football most in body of uterus. R.H. & L.H. still firm, but pregnan- cy swelling thin walled fluctuates					
	5/2			do.	3 x 2 x 2 7 6/8 x 5 1/8 x 5 1/8 	1 1/2 x 1 1/2 3 5/8 x 5 3/8 R.H.B. foot- ball size, partly on, partly over Pelvic brim.					
	19/2			do.	3 x 2 x 1 1/2 7 6/8 x 5 1/8 x 3 3/8 	1 1/2 x 1 1/2 3 5/8 x 5 3/8 Pregnancy 15" across over Pelvic brim.					
	27/2			do.	vestibule pale cervix finger projects. Out of reach	1 x 1 x 1/2 N.E. Pregnancy intra-abdomi- nal.					

NO. 6. CASTANIA.

OWNER:

MARE: CASTANIA. (Local Bred).

BORN: 1944.

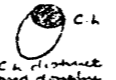
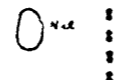
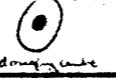
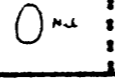
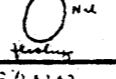
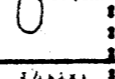
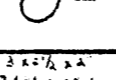
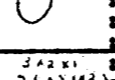
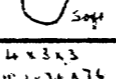
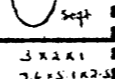

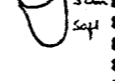


BREEDING: SOLDIER KING - JINKIPET.

ANAMNESIS: Brought to stud during 1950.

YEAR	HEAT PERIOD DATE	LENGTH	EXTERNAL HEAT	VAGINA	EXAMINATION LEFT. OVARY. RIGHT.	UTERUS.	SERVICE DATE	REMARKS	FOALING DATE	GESTATION LENGTH	REMARKS
1950	11/9-24/9	14					19/9		Slipped 2/3/51	133	On 28 & 30/7/51 4oz Proparidine intra-uterine containing 0.5 M.U. crystalline penicillin introduced into uterus.
	18/10-20/10	3					20/10 & Prolan	1,000 I.U. intravenous.			On 30/7/51 10 mg. Stilboestrol injected subcutaneously.
1951	9/9-13/9	5	Send away to	another stud for	service.				Barren		On 9 & 11/7/52 given intra-uterine treatment.
1952											4oz Proparidine intra-uterine plus crystalline penicillin 0.5 M.U. introduced Stilboestrol 10 mg. (disproportionate) subcutaneously injected.
	11/9-16/9	6	9/9 -	a2, AII vestibule pale	2 1/2 x 2 1/2 6 x 5 x 2 1/2 O SF 2cm tense	2 x 2 x 1 5 x 5 x 2 1/2 O		Flabby; walls loose and can be moved between the fingers. Contracts very slowly and not firmly.	Not served		Mare still had winter coat and did not look ready for service
			11/9 +	a2, AII vestibule pale	2 1/2 x 2 1/2 6 x 5 x 2 1/2 O SF 2cm tense	2 x 2 x 1 5 x 5 x 2 1/2 O		do.			
			12/9 +	a2, AII vestibule pale	2 1/2 x 2 1/2 6 x 5 x 2 1/2 O SF 3cm tense	2 x 2 x 1 5 x 5 x 2 1/2 O		do.			

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MARE: CASTANIA.


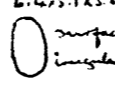

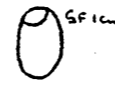


YEAR	BEAT PERIOD DATE	LENGTH	EXTERNAL BEAT	VAGINA	EXAMINATION LEFT. OVARY, RIGHT.	UTERUS.	SERVICE DATE.	REMARKS	FOALING DATE	GESTATION LENGTH	REMARKS
			16/9 *	b2, BII vestibule pink	 C.A. distinct and doubling	 N.H.	do. very sluggish				
			19/9 -	b2, BII vestibule pink	 dromy code	 N.H.	Relaxed, responds very slowly.				
			22/9 -	a1, AII vestibule pale	 N.H.	 SF 1cm	do.				
			29/9 -	a, BII vestibule pale	 SF 1cm	 SF 2.5cm	do.				
			2/10	b2, BII vestibule pale	 SF 3cm Soft	 SF 3cm Soft	do.				
4-12/10		9	5/10 *	b2, BII vestibule pink	 SF 6cm Soft	 SF 3cm Soft	Relaxed but contracts fairly firmly on handling.	6/10/52			Service satisfactory, insemination: intra-uterine and vagina did not contain semen.
			7/10 **	e3, CIII	do.	do.	do.				
			8/10 **	e3, CIII	SF 5cm Soft	SF 6.5cm Soft	do.				
			9/10 ***	e3, CIII	SF 5cm fluctuating	SF 4.5cm Soft	do.				
			10/10 ***	e3, CIII	 SF 5cm Soft + fluctuating	 SF 6.5cm Soft + fluctuating	Relaxed but contracts more readily on handling.	10/10/52			Service satisfactory. Insemination: intra-uterine as vagina did not contain any semen.

NAME: CASTANIA.

YEAR	HEAT PERIOD DATE	LENGTH	EXTERNAL HEAT	VAGINA	EXAMINATION LEFT. OVARY. RIGHT.	UTERUS.	SERVICE DATE	REMARKS	FOALING DATE	GESTATION LENGTH	REMARKS	
			12/10	++	e3, CIII vestibule pink	<p>4 1/2 x 3 1/2 cm 2 1/2 x 2 1/2 cm 6 x 4 x 4 cm 6 x 4 x 4 cm Ovary soft fleshy containing blood clot</p>	Uterus contracts normally.				Estimated date rupture on 11/10. Examined early morning of 12/10 at 7 a.m.	
			14/10	-	e2, CIII vestibule pale	<p>2 1/2 x 2 1/2 cm 2 1/2 x 2 1/2 cm 6 x 4 x 4 cm 6 x 4 x 4 cm C.L. present ovary has elastic body</p>	Uterus contracts readily and firmly				Estimated day of ovulation 13/10/52	
			16/10	-	e2, BII Vestibule pale	<p>2 1/2 x 2 1/2 cm 2 1/2 x 2 2 cm 6 x 4 x 4 cm 6 x 4 x 4 cm C.L. 2 cm clay center</p>	Uterus hard firmly contracted circular turgid					
			20/10	-	a1, AII vestibule pale	<p>2 x 1 1/2 cm 2 1/2 x 2 2 cm 6 x 4 x 4 cm 6 x 4 x 4 cm C.L. 2 cm irregular firm with dangling area</p>	Do.					
			28/10	-	a1, AI vestibule pale	<p>2 x 1 1/2 cm 2 1/2 x 2 2 cm 6 x 4 x 4 cm 6 x 4 x 4 cm C.L. 1 cm SF 1 cm</p>	do.					
			5/11	-	ao, AI vestibule pale	<p>1 1/2 x 1 1/2 cm 3 1/2 x 3 2 cm 8 x 4 x 4 cm 8 x 4 x 4 cm N.L. SF 1.5 cm Hard, irregular surface ovary irregular and firm</p>	Uterus hard firmly contracted circular, turgid. L.H.B. small, contains egg-size swelling				small luteum	
			12/11	-	ao, AI vestibule pale	<p>2 1/2 x 2 2 cm 3 x 3 2 cm 7 x 4 x 6 cm 7 x 4 x 6 cm Ovary soft and fleshy ovary firm and irregular</p>	Circular, firm and contracted. R.H.B. goose egg size swelling					

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MARE: CASTANIA.

YEAR	HEAT PERIOD DATE	LENGTH	EXTERNAL HEAT	VAGINA	EXAMINATION LEPT. OVARY. RIGHT.	UTERUS.	SERVICE DATE	REMARKS	FOALING DATE	GESTATION LENGTH	REMARKS
			19/11 —	ao, AI vestibule pale	<p>3x2 1/2 x 2 1/2 7.6 x 6.4 x 5.1</p>  <p>doughy</p>	<p>2 1/2 x 2 x 1 1/2 6.4 x 5.1 x 3.8</p>  <p>insignificant</p>	Circular, firm and contracted.				
			27/11 —	ao, AI vestibule pale	<p>3 x 2 1/2 x 2 1/2 7.6 x 6.4 x 5.1</p>  <p>doughy</p>	<p>2 1/2 x 2 x 1 1/2 6.4 x 5.1 x 3.8</p>  <p>SF 1 cm</p>	L.H. very firmly contracted. R.H.B. swelling 6" in diam. 1/3rd in body. Grape-fruit size.			27/11 Blood sent to Onderstepoort Laboratory. Positive.	
			10/12 —	ao, AI vestibule pale	<p>3 x 2 1/2 x 2 1/2 7.6 x 6.4 x 5.1</p>  <p>doughy</p>	<p>3 x 2 x 2 7.6 x 5.1 x 3.8</p>  <p>SF 1 cm</p> <p>Ovary firm Ovarian ligament and suspensory ligament stand. Ovary lying on half way down the pelvic inlet flow. Ovary ligament tight</p>	Uterus flaccid; walls thin and soft and pliable. Foetus over the Pelvic brim in the abdomen, football size. Uterine arteries pencil size.				
			15/1/53 —	vestibule pale cervix rectally firm and hard			In abdomen				

NO. E. CARA NOSTRA.

OWNER:

MARE: CARA NOSTRA. (Local Bred).

BORN: 1945

BREEDING: SOLDIER KING - CARA NIA.

ANAMNESIS: Brought to stud during 1950.

YEAR	HEAT PERIOD DATE	LENGTH	EXTERNAL HEAT	VAGINA	EXAMINATION LEFT. OVARY. RIGHT.	UTERUS.	SERVICE DATE	REMARKS	FOALING DATE	GESTATION LENGTH	REMARKS
1950	13/9-4/10	21					Not served:				
	20/10-25/10	6					23/10	Prolan 1,000 I.U. intravenously.	27/9/51	339	Difficult birth.
1951	6/10-9/10	4					Not served:				
	25/10-29/10	5					27/10	Bruised vulva and vagina			On 9 and 11/7/52 4 cc Proparidine intra-uterine containing 0.5 M.U. crystalline penicillin introduced into the uterus. On 11/7/52 10 mgm. Stilboestrol di-proprionate injected subcutaneously.
	18/11-22/11	5					20/11		Barren		
1952	10/9-22/9	13	10/9	⇐	b2, BII vestibule pink			Extremely flabby. Early contraction. Walls soft and can be moved against each other.			Mare has not shed its winter coat
			17/9	⇐	do.		do.			do.	
			20/9	⇐	e3, CIII vestibule red		Extremely flabby. Contracts very slowly.		do. 500 International units Internationalizing hormone (Prolan) subcutaneously.		

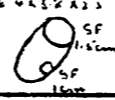
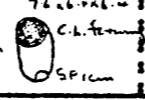
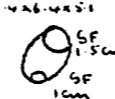
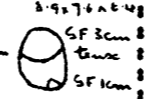
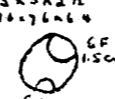
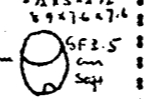
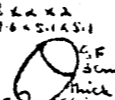
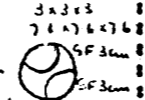
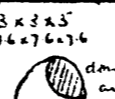
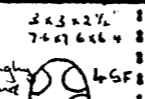
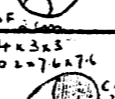
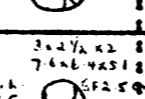
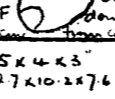
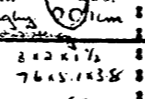
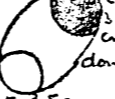
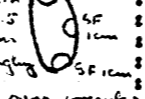
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MARE: CARA NOSTRA.

YEAR	HEAT PERIOD DATE	LENGTH	EXTERNAL HEAT	VAGINA	EXAMINATION LEFT. OVARY. RIGHT.	UTERUS.	SERVICE DATE.	REMARKS	FOALING DATE	GESTATION LENGTH	REMARKS
			21/9 ↔	vestibule red	do do			1,000 I.U. luteinising (Pro-lan) subcutaneous-ly.			
			22/9 ↔	c3, CIII vestibule red rectally cervix indistinct	<p>Overgrown flashy to me- 3uc</p> <p>Center field with sep implies uterine bloodlet</p>	Extremely flabby and unresponsive				Rupture of follicle estimated to have taken place on 21/9/52	
			23/9 -	rectally cervix felt as a fleshy object vestibule pink	<p>2 1/2 x 1 1/2 x 1 1/2, 5.9 x 3.5 x 3.5</p> <p>C.H. inner</p>	do.					
			24/9 -	cervix firmer vestibule pale pink	<p>2 1/2 x 1 1/2 x 1 1/2, 5.9 x 3.5 x 3.5</p> <p>C.H.</p>	do.					
			25/9 -	do.	<p>3 1/2 x 1 1/2 x 1 1/2, 5.9 x 3.5 x 3.5</p>	do.					
10/10-14/10		5	10/10 ↔	b2, BIII vestibule pink	<p>2 1/2 x 1 1/2 x 1 1/2, 5.9 x 3.5 x 3.5</p>	Uterine horns responsive contracting readily.					
			12/10 ↔	c3, CIII vestibule red	<p>2 1/2 x 1 1/2 x 1 1/2, 5.9 x 3.5 x 3.5</p>	do.	12/10			Satisfactory service intra-uterine insemination and no semen found in vagina.	
			14/10 ↔	c3, CIII vestibule red rectally cervix flabby mass.	<p>2 1/2 x 1 1/2 x 1 1/2, 5.9 x 3.5 x 3.5</p> <p>Orange foot and soft & bony crunching closing cavity</p>	Soft but contracts readily.				Estimated time of rupture G.F. previous day i.e. 13/10/52	

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MARE: CARA NOSTRA.

YEAR	HEAT PERIOD DATE	LENGTH	EXTERNAL HEAT	VAGINA	EXAMINATION LEFT. OVARY. RIGHT.	UTERUS.	SERVICE DATE	REMARKS	FOALING DATE	GESTATION LENGTH	REMARKS
	16/10		—	rectally cervix can be distinguished, vestibule red.	$2\frac{1}{2} \times 1\frac{1}{2} \times 1$ $2\frac{1}{2} \times 1\frac{1}{2} \times 1$ 	$3 \times 2\frac{1}{2} \times 2\frac{1}{2}$ $7 \times 6 \times 6$ 	Soft, fleshy contracting fairly firmly.				
	29/10		—	rectally cervix hard, projects like finger. Vestibule paler	$2\frac{1}{2} \times 2\frac{1}{2} \times 2$ $2\frac{1}{2} \times 2\frac{1}{2} \times 2$ 	$2\frac{1}{2} \times 2\frac{1}{2} \times 2$ $8 \times 7 \times 6$ 	Soft and flabby by contracting very slowly.				
	31/10		—	rectally cervix contracted. vestibule pale	$2 \times 2 \times 2\frac{1}{2}$ $7 \times 7 \times 6$ 	$2\frac{1}{2} \times 2 \times 2\frac{1}{2}$ $8 \times 7 \times 6$ 	do.				
	6/11		—	do.	$2 \times 2 \times 2$ $7 \times 6 \times 5$ 	$3 \times 2 \times 3$ $7 \times 7 \times 6$ 	uterine horns: firm, sensitive and responsive.				
	13/11		—	do.	$3 \times 2 \times 3$ $7 \times 6 \times 7$ 	$2 \times 3 \times 2\frac{1}{2}$ $7 \times 6 \times 6$ 	uterine horns: contract readily and firmly. Small and circular.				
	18/11		—	rectally cervix hard, projects like a finger. Vestibule pale.	$2\frac{1}{2} \times 2 \times 3$ $7 \times 6 \times 7$ 	$3 \times 2\frac{1}{2} \times 2$ $7 \times 6 \times 6$ 	uterine horns: responsive and erectile, turgid.				
	26/11		—	do.	$5 \times 4 \times 3$ $2 \times 7 \times 10$ 	$3 \times 2 \times 1\frac{1}{2}$ $7 \times 6 \times 5$ 	do.	27/11 blood sent to Onderstepoort Laboratory - Negative.			
	10/12		—	rectally cervix firm, projects like finger. Vestibule pale. c.l. BII no sticky tenacious mucus.	$6 \times 4 \times 3$ $5 \times 3 \times 10$ 	$3\frac{1}{2} \times 3 \times 3$ $8 \times 9 \times 7$ 	uterine horns: flabby. Contracting slowly but not firmly.	Left ovary: sensitive and painful. Mare: jumps when ovary handled. 3000 units: P.H.S. (B.W) subcutaneous.			

MARE: CARA NOSTRA.

YEAR	HEAT PERIOD DATE	LENGTH	EXTERNAL HEAT	VAGINA	EXAMINATION LEFT. OVARY. RIGHT.	UTERUS.	SERVICE DATE	REMARKS	FOALING DATE	GESTATION LENGTH	REMARKS
			18/12	—	rectally cervix softer and fleshy; vestibule pale, pink, lustreless			uterine horns soft and flabby, non-contractile			L.O. sensitive to touch. Mare fine-tunes and jumps when L.O. handled
			22/12	—	do.			uterine horns relaxed; flabby and do not contract.			1,500 units P.M.S (B.W.) subcutaneously.
	27/12-30/12		28/12	⇨	cervix fleshy relaxing, vestibule red.		28/12	uterine horns flabby and relaxed lying on pelvic floor left ovary hanging very low.			Satisfactory
			30/12	⇨	cervix relaxed outline indistinct, vestibule red and shiny.		30/12	do.			Satisfactory. Ovulation believed to have taken place on 29/12 and that luteinisation occurred of the Graafian follicle on the posterior pole of the left ovary.
			31/12	—	do.			do.			
			8/1		rectally cervix firm and hard, vestibule pink			uterine horns flabby, contract very slowly and not firmly.			
			22/1		rectally cervix hard, projects like a finger			uterine horns flabby, relaxed do not contract on palpation			

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MARE: CARA NOSTRA.

YEAR	HEAT PERIOD DATE	LENGTH	EXTERNAL HEAT	VAGINA	EXAMINATION	LEFT. OVARY.	RIGHT.	UTERUS.	SERVICE DATE	REMARKS	FOALING DATE	GUSTATION LENGTH	REMARKS
			29/1	rectally cervix firm projects like a finger, vestibule red.	3 1/2 x 2 1/4 x 2 1/4 5 9 x 6 4 x 6 4 semi firm	3 x 3 x 3 7 6 x 7 6 x 7 6 firm and irregular		uterine horns unresponsive, flabby					
			4/2	vestibule pink and shiny, cervix firm and projects like a finger	4 x 3 x 3 10 x 2 x 7 6 x 7 6 semi firm	3 x 3 x 3 7 6 x 7 6 x 7 6 hard and irregular		uterine horns flabby, contracts slowly on handling.					
			12/2	vestibule pale cervix tight.	3 1/2 x 3 1/2 x 2 1/4 8 9 x 7 6 x 6 4 C.H. 5.11 cm		hard and irregular	uterine horns slightly responsive. Contracting fairly firmly.		2/2/53 Blood forwarded to Onderstepoort Laboratories Negative.			
			19/2	vulva relaxed slightly swollen and soft. Vestibule red. Cervix broad, fleshy.	4 x 2 1/4 x 2 1/4 10 x 2 x 6 4 x 6 4 superficially irregular	3 x 3 x 3 7 6 x 7 6 x 7 6 firm and irregular		uterine horns contract fairly firmly, and are more responsive to handling.					
			30/3/53	Mare died of Horsesickness. No post-mortem performed.									

NO. 3. CONTRAST.

OWNER:

MARE: CONTRAST. (Local Bred).

BORN: 1945.

BREEDING: KIPLING - CONTRITE.

ANAMNESIS: 1949: At stud but did not come into season. P.M.S. subcutaneously failed to produce oestrus, but caused a soup-plate swelling at inoculation site in the neck and severe lameness of the corresponding foreleg.

YEAR	HEAT PERIOD DATE	LENGTH	EXTERNAL HEAT	VAGINA	EXAMINATION LEFT. OVARY. RIGHT.	UTERUS.	SERVICE DATE	REMARKS	FOALING DATE	GESTATION LENGTH	REMARKS
1950	8-10 October	3					Not served				On 15/5/51 foetus removed and pessaries inserted.
	26-29 "	4					26/10/50				
	14-16 Nov.	3					16/11/50		Slipped 15/5/51	190	On 28-30/8/51 intra-uterine treatment by introducing 4oz Propamide intra-uterine containing 0.5 M.U. crystal-line Penicillin. On 30/8/51 10 mgm. Stilboestrol dipropionate injected subcutaneously.
1951	2-4/11/51	3	Arrived Askania 30/10/51				4/11/51		14/10/52	345	
1952			Arrived Askania 3/11/52.	rectally cervix firm	4x2.1x1.2" 3/2.1x1.2x1.2" 3/2.1x1.2x1.2" 3/2.1x1.2x1.2"	uterine horns contract very slowly.					
			26/11 --	vestibule pink	do. do.	Base womb 3 1/2"					
			27/11 --	2, BII		do.		Introduced:			(At the request of the owner (no hormone treatment administered, with the saline infusion.
								sterile			
								physiological saline			
								1,000 c.c.			

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MARE: CONTRAST.

YEAR	HEAT PERIOD DATE	LENGTH	EXTERNAL HEAT	VAGINA	EXAMINATION	LEFT. OVARY.	RIGHT.	UTERUS	SERVICE DATE	REMARKS	FOALING DATE	GESTATION LENGTH	REMARKS
	4/12	-	rectally cervix firm, vestibule pink.	2 1/2 x 1 1/2 x 1 1/2 6 4 x 3 5 x 3 5	3 x 2 x 2 7 6 x 5 1 x 5	SF 1.5cm	SF 2.5cm	uterine horns contracting fairly firmly. Base horns 3" diam.					
	10/12	-	do.	do.	do.	do.	do.	do.					
	18/12	-	vestibule pale pink lustre-less; glary sticky discharge from vulva; Cervix fleshy and soft.	2 1/2 x 1 1/2 x 1 1/2 6 4 x 3 5 x 3 5	3 1/4 x 2 1/2 x 2 8 9 x 6 4 x 5 1	SF 1.5cm	SF 3.5cm separated fluctuating	uterine horns soft and flabby do not contract readily, walls loose and movable.					
	24/12	-	do.	do.	do.	do.	do.	do.					
	31/12	-	do.	do.	do.	do.	do.	do.					

NO. 9. DAROR.

OWNER:

MARE: DAROR (Local Bred)

BORN: 1935.

BREEDING: KIVITJE - MISS WHITTINGTON.

ANAMNESIS: 1941 - foaled dead foal	:	:	1945 - served 29/10, 30/10, 3/11, 24/11,	:	:	1948 served 20/9 & Foaled	:	:
1942 - barren	:	:	28/11, 21/12 - barren	:	:	22/9 23/8/49	:	335
1943 - foal	:	:	30/9, 3/10, 17/10	:	:	1949 " 22/9 &	:	:
1944 - served 25/10/44 Foaled 29/9/45	:	339	20/10, 6/11 - foaled 8/10/47	:	336	24/9 Foaled	:	335
	:	:	18/10, 31/10, 1/11, 2/11,	:	:	25/8/50	:	:
	:	:	15/11, 18/11, 1/12, 3/12,	:	:		:	:
	:	:	13/12, 15/12 - barren.	:	:		:	:

YEAR	HEAT PERIOD DATE	LENGTH	EXTERNAL HEAT	VAGINA	EXAMINATION OVARIES	UTERUS	SERVICE DATE	REMARKS	FOALING DATE	GESTATION LENGTH	REMARKS
1950	17-21/9	5					19/9				On 28 and 30/7/51 4 oz Propamidine intra-uterine containing 0.5 M.U. crystalline penicillin introduced into uterus.
	5-6/10	2					20/10 & 21/10				On 30/7/51 10 mgm. Stilboestrol dipropionate injected subcutaneously. Modified Caslick Operation carried out on 8/8/51
	20-23/10	4					11/11 & 13/11				
	11-13/11	3					26/11 & 28/11				
	25-29/11	5					17/12 & 19/12		Barren		
	17-19/12	3									
1951	5-10/9	6									
	28/9-2/10	5									
	19/10-25/10	7					21/10 & 25/10		7/10/52, Foaled ♂ and ♀ twins.	330	
	10/11-13/11	4					12/11				
											7/10/52 - foaled ♂ & ♀ twin: badly torn vulva (1) P.M. of both twins 7/10/52 (2) " " Daror. Shot 7/10/52
											7/10/52 - Post mortem revealed a firmly contracted uterus. The ovary is situated below the pelvic brim.

NO. 10. DISTANCE.

OWNER:

MARE: DISTANCE. (Local Bred).

BORN: 1943.

BREEDING: ASBESTOS - FAIR & FAST.

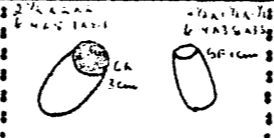
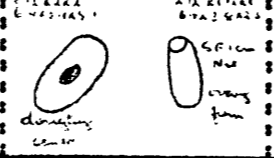
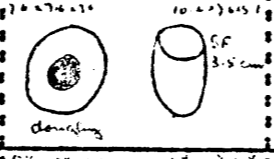
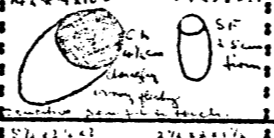
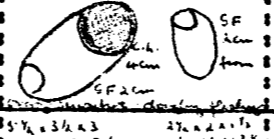
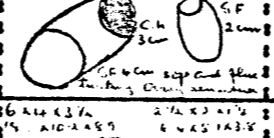
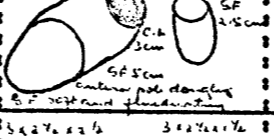
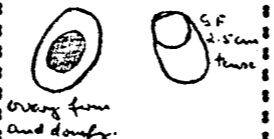
ANAMNESIS: 1950 - Served - dated unknown - foaled 13/11/51
(Fairthorn (Birch))

1951 - 21/11-26/11 - served 21/11 : barren.

YEAR	HEAT PERIOD DATE	PERIOD LENGTH	EXTERNAL HEAT	VAGINA	EXAMINATION LEFT. OVARY. RIGHT.	UTERUS	SERVICE DATE	REMARKS	FOALING DATE	GESTATION LENGTH	REMARKS
1952	11/9-17/9	7					Not served	Mare lean, wintercoat not ready			On 9 and 11/7/52 4oz Proparidine intra-uterine containing 0.5 M.U. crystalline penicillin introduced in uterus. On 11/7/52 Stilboestrol dipropionate 10 mgm. injected subcutaneously.
	2/10-9/10	8	2/10	♦ b2, BII vestibule pink	3 1/2 x 2 x 2 1/2 8 9 4 5 1 2 3 4 5 SF 3cm Tense	2 x 1 x 1 1/2 5 1 2 3 4 5 6 7 8 SF 1cm		small, contracts on handling.			
			3/10	♦♦ b2, CIII vestibule pink	do	do		do.			
			4th	♦♦♦			4/10	Service satisfactory.			
			5/10	♦♦♦ c3, CIII vestibule red.	3 1/2 x 2 x 2 1/2 8 9 4 5 1 2 3 4 5 SF 3.5cm Soft + warty	2 x 1 x 1 1/2 5 1 2 3 4 5 6 7 8 SF 1cm		responds actively to handling.			
			7/10	♦♦♦ c3, CIII vestibule red	1 1/2 x 1 x 1 1/2 8 9 4 5 1 2 3 4 5 SF 3.5cm Soft + warty	2 x 1 x 1 1/2 5 1 2 3 4 5 6 7 8 SF 1cm		do.			
			8/10	♦♦♦ c3, CIII vestibule red	2 1/2 x 1 1/2 x 1 1/2 8 9 4 5 1 2 3 4 5 SF 1cm Soft flabby Ovary collapsed	2 x 1 x 1 1/2 5 1 2 3 4 5 6 7 8 SF 1cm	8/10	Ovulation occurred early on 8/10/52 Service satisfactory.			
			9/10	♦ c3, CIII vestibule red	2 1/2 x 1 1/2 x 1 1/2 8 9 4 5 1 2 3 4 5 Blood clot Cervix palpation	2 x 1 x 1 1/2 5 1 2 3 4 5 6 7 8 SF 1cm		uterine horns turgid contracted circular.			

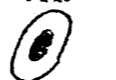
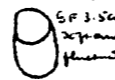
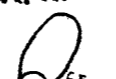



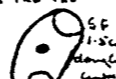
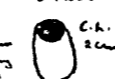



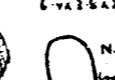
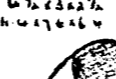
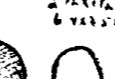
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MARE: DISTANCE.

YEAR	HEAT PERIOD DATE	HEAT PERIOD LENGTH	EXTERNAL HEAT	VAGINA	EXAMINATION LEFT. OVARY. RIGHT.	UTERUS.	SERVICE DATE.	REMARKS	FOALING DATE	GESTATION LENGTH	REMARKS
			5/11	—	ao, AI vestibule pale			Firmly contracted L.H.B. pigeon egg size swelling.			
			19/11	—	ao, AI			Firmly contracted, tur- gid, circular L.H.B. goose egg size swelling.			
			27/11	—	ao, AI			Firmly con- tracted tur- gid, circular L.H.B. small orange size swelling.			Blood sent to Onder- stepoort Laborato- ry - Negative.
			5/12	—	ao, AI cervix glued up projects side- ways.			Base horns 2 1/2", uterus flabby, oval, does not con- tract readily.			
			10/12	—	do.		do.				On 10/12/52 3,000 units P.M.S. sub- cutaneously injected.
			18/12	—	do.		do.				
			22/12	—	rectally cervix firm and fleshy. Vagina pink.			Flabby does not contract			On 22/12/52 1,500 units P.M.S.(B.W.) subcutaneous- ly injected.
	27/12-31/12	5	27/12	+++	rectally cervix fleshy. Vestibule pink		Uterine horns flabby.	27/12			Service satisfac- tory.

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MARE; DISTANCE.

YEAR	HEAT PERIOD		EXTERNAL HEAT	VAGINA	EXAMINATION		UTERUS.	SERVICE DATE.	REMARKS	FOALING DATE.	GESTATION LENGTH.	REMARKS
	DATE	LENGTH			LEFT. OVARY.	RIGHT.						
	28/12	+++	cervix fleshy vestibule red				do. Do not contract.					
	29/12	+++	do.		do.	do.		29/12	Service satisfactory.			
	30/12	++	cervix completely relaxed. Discharge soiling inside legs.				L.H. very relaxed hanging down on pelvic floor. Not contracting.	Ovulation occurred on 29/12/52				
	15/1/53	-	rectally cervix firm, projects like a finger.				Uterine horns firmly contracted circular. Responsive. B.L.M. 2 1/2" B.R.H. 1 1/2"					
	29/1		vestibule pale rectally cervix very firm, projects like a finger				Uterine horns firmly contracted and circular. Mare very fidgety.		Examination difficult and prolonged			
	4/2		do.				Mare very fidgety and sensitive when ovaries touched. R.H. contracts firmly. B.R.H. fore-leg swelling					
	12/2		do.				B.R.H. goose egg size enlargement.		12/2 blood forwarded to Onderstepoort Laboratory - Positive			
	19/2		do.				B.R.H. grape-fruit size swelling		Mare difficult to examine; backs, lashes out with hind leg. Exam. takes very long.			

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MARE: DISTANCE.

YEAR	HEAT PERIOD DATE	LENGTH	EXTERNAL HEAT	VAGINA	EXAMINATION LEFT. OVARY. RIGHT.	UTERUS.	SERVICE DATE	REMARKS	FOALING DATE	GESTATION LENGTH	REMARKS
:	:	:	27/2	do.	Can only just be touched with finger tips. Out of reach for care- ful pal- pation but still large and doughy.	2 1/2 x 1 1/2 x 1 5.1 x 3.5 x 2.5 R.H. small football ly- ing mainly over Pelvic brim in abdo- minal cavity. Thin walled.	:	Small mare: very diffi- cult to examine as she refuses to stand quietly.	:	:	:

NO. 11. FATA MORGANA.

OWNER:

MARE: FATA MORGANA. (Local Bred).

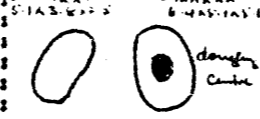
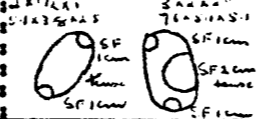
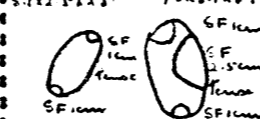
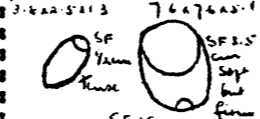
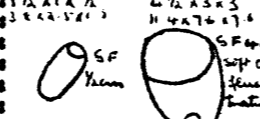
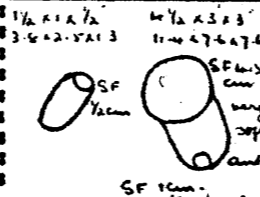
BORN: 1945.

BREEDING: SOLDIER KING - DATE PALM.

ANAMNESIS: Brought to stud during 1950.

YEAR	HEAT PERIOD		EXTERNAL HEAT	VAGINA	EXAMINATION		UTERUS.	SERVICE DATE.	REMARKS	FOALING DATE	GESTATION LENGTH	REMARKS
	DATE	LENGTH			LEFT. OVARY.	RIGHT.						
1950								22/9/50		30/8/51	342	Vulva torn at birth. Healed without stitching.
1951	8/9-12/9	5						Not served	Vulva torn on 29/10/51, Caslick operation performed.	24/8/52	327	Modified Caslick Operation performed on 19/10/51.
	30/9-3/10	4						2/10/51				
1952	22/9-26/9	5	22/9	+	a1, BII vestibule pale		Responsive, contracts on handling, firm symmetrical, Diameter horns base 3".					
			23/9	++	b2, BII vestibule pink		Uterine horns responsive.					
			24/9	+++	c3, CIII vestibule red, windsucking "aero-vagina".		do.	24/9	Insemination intra-uterine as no semen found in vagina.			
			25/9	+++	c3, CIII vestibule red "aerovagina"		do.		Rupture estimated to have occurred early 25/9/52.			
			26/9	+	c3, CIII vestibule red		do.					






MARE: PATA MORGANA.

YEAR	HEAT PERIOD DATE	LENGTH	EXTERNAL HEAT	VAGINA	EXAMINATION LEFT. OVARY. RIGHT.	UTERUS.	SERVICE DATE	REMARKS	FOALING DATE	GESTATION LENGTH	REMARKS
			2/10 -	a1, AII Leucorrhoea vulva white discharge soiling inside thighs.		Responsive erectile 2 1/2" diam.					
	13/10-17/10	5	13/10 + 14/10 ++ 15/10 +++ 16/10 +++ 17/10 +	Severe discharge copious white fluid staining inside of thighs and windsucking.	Not examined.	Uterus treat- ed.	Not Served	13/10 intru uterine treatment performed which was repeated again on 15/10			On 13 & 15/10/52 4oz Propa- midine intru uterine plus 500,000 units peni- cillin in- troduced in uteris.
			29/10 -	e2, CIII white discharge continuing.		Flabby relaxed contracting slowly.					
			31/10 -	e3, CIII copious white dis- charge from vulva soiling inside legs.		Uterine horns very flabby, contracting extremely slowly. Rattling Air aspirated into uterus.		31/10 intru uterine treatment carried out.			On 31/10/52 4oz Propa- midine intru uterine plus 500,000 units penic- lin intro- duced in uterus.
	2/11-8/11	7	4/11 +++	rectally cervix cannot be dis- tinguished. Vestibule red.		Uterine horns responsive contracting firmly.	4/11	Satisfas- tory ser- vice. No semen with drawn.			
			5/11 +++	do.		Uterine horns relaxed, flabby but contracting readily.					
			6/11 +++	do.		do.					

MARE: FATA MORGANA.

YEAR	HEAT PERIOD DATE	LENGTH	EXTERNAL HEAT	VAGINA	EXAMINATION LEFT. OVARY. RIGHT.	UTERUS.	SERVICE DATE.	REMARKS	FOALING DATE.	GESTATION LENGTH	REMARKS
	7/11		+++	Rectally cervix cannot be distinguished. Vestibule red.	1 1/2 x 1 1/2" Ovary very soft and flabby C.H. distinct	Within 5 minutes after service uterus relaxed.	7/11	Vagina dry: after service intra-uterine insemination: Rupture estimated to have occurred during early 7/11			
	9/11		-	Cervix rectally fleshy, vestibule paler.	1 1/2 x 1 1/2" Ovary 6 x 4 x 3 cm C.H. granular on palpation	Uterus relaxed contracting sluggishly					
	12/11		-	Cervix firm vestibule pale	1 1/2 x 1 1/2" Ovary 6 x 4 x 3 cm C.H. soft elongated	do.					
	18/11		-	Cervix projects like finger. Vestibule pale.	1 1/2 x 1 1/2" Ovary 5 x 3 x 2 cm C.H. soft	Uterine horns contract firmly; circular; sensitive.					
	28/11		-	do.	1 x 1/2 x 1/2" Ovary 7 x 6 x 5 cm C.H. 2.5cm	Uterine horns contracted firmly, circular. R.H.B. pigeon egg size swelling.					
	4/12		-	do. light white crust on vulva lips.	1 1/2 x 1 1/2" Ovary 4 x 3 x 2 cm C.H. 3cm S.F. 1cm	L.H. circular: round and firm R.H.B. bantam egg size swelling.					
	11/12		-	do. vulva crust disappeared.	1 x 1/2 x 1/2" Ovary 4 x 3 x 2 cm C.H. 3.5cm S.F. 1.5cm	Uterine horns responsive and turgid. R.H.B. hens egg size swelling.					

MARE, FATA MORGANA.

YEAR	HEAT PERIOD DATE	LENGTH	EXTERNAL HEAT	VAGINA	EXAMINATION LEFT. OVARY. RIGHT.	UTERUS.	SERVICE DATE	REMARKS	FOALING DATE	GESTATION LENGTH	REMARKS
	18/12	—	do.		$1 \frac{1}{2} \times 2 \frac{1}{2}$ $2 \times 1.3 \times 1.3$ 	L.H. firmly contracted $1 \frac{1}{2}$ " in diam. R.H.B. small orange size swelling.					
	24/12	—	Rectally cervix hard, projects fingerlike. Vestibule pale.		$1 \frac{1}{2} \times 2 \frac{1}{2}$ $2 \times 1.3 \times 1.3$ 	L.H. firmly contracted. L.H.B. $2 \frac{1}{2}$ " diam R.H.B. grape-fruit size 1/3rd in horn; 2/3rd in body.		Blood sent to Onderstepoort Laboratory: Positive.			
	14/1	—	do. large amount of airbubbles in vestibule. Mare rattling.		$1 \frac{1}{2} \times 2 \frac{1}{2}$ $2 \times 1.3 \times 1.3$ 	R.H. in abdomen, pregnant; horn thin walled, fluctuates, partially on pelvic brim.					
	23/1	—	Vagina red cont. airbubbles, flocules of pus. b2, CIII cervix, congested and swollen. Vulvar lips crusted with white discharge. Legs below hocks soiled.	Caslick operation and upper vulvar commissure stitched. The operation was not an extensive plastic one as the purpose was to cause only closing of upper commissure and to prevent aspiration of air.	$1 \frac{1}{2} \times 2 \frac{1}{2}$ $2 \times 1.3 \times 1.3$ 	An oily solution run into vaginal passage after operation: Lig. parafin... Tocoform..... Bismuth subnitrate..... Boracic acid..				Modified Caslick Operation performed 23/1/53.	
	29/1	—	Vestibule pale no airbubbles, no pus, no rattling; no discharge soiling legs.	Stitches left in position. Removed on 5/2/53.							
	27/2		Vestibule pale and clean. Cervix hard, projects like finger, stitches have disappeared on their own account, perfect healing.	Out of reach.	$1 \frac{1}{2} \times 2 \frac{1}{2}$ $2 \times 1.3 \times 1.3$ 	Pregnancy over pelvic inlet: Top palpated as a bladder 15" diam.					

NO. 12. FLAMING RIVER.

OWNER:

MARE: FLAMING RIVER. (Imported).

BORN: 1936.

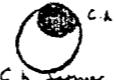
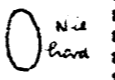

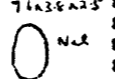
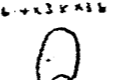
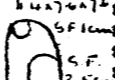
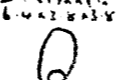
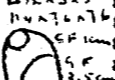
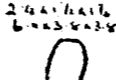
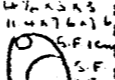
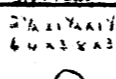
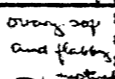
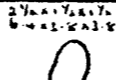
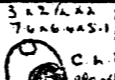
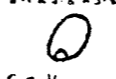

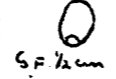
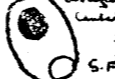
BREEDING: FLAMINGO - RIVIERE.

ANAMNESIS: 1941 - foaled colt
 1942 - barren
 1943 - barren
 1944 - Served 7/12/44 - foaled 12/11/45
 1945 - " 21/11 and 22/11 - foaled 26/10/46
 1946 - Served 4/11 and 5/11 and 6/11 - Foaled 11/10/47
 1947 - " 21/10 and 22/10 and 23/10 " 24/9/48
 1948 - " 6/10; pregnancy test positive - barren P_x
 1949 - " 16/10 and 19/10 - foaled 22/9/50

YEAR	HEAT PERIOD DATE	LENGTH	EXTERNAL REAT	VAGINA	EXAMINATION LEFT. OVARY. RIGHT.	UTERUS.	SERVICE DATE	REMARKS	FOALING DATE	GESTATION LENGTH	REMARKS
1950	30/9-8/10	9					1/10&5/10		22/9/50	335	
	11/11-15/11	5					11/11&15/11		16/10/51		
1951	27/10-29/10	3					Not served	Very bruised vulva			
	15/11-19/11	5					17/11		21/10/52	339	
1952	29/10-3/11	6	29/10	+++	c3, CIII discharge copious; vestibule red.	Out of reach. 3 1/2 x 1 1/2 x 1 1/2 ← 9 x 3 x 2 x 1 1/2	Very big; firmly contracted. Right horn short, left horn long. Conical; B.L.H. 5" diam; B.R.H. 4" diam; P _x intra-uterine treatment.	Not served	Mare developed a discharge 3 days after foaling. Vulva not bruised	21/10/52	Assisted at foaling. Fore leg bind at knee. Mare exhausted, down for 3 hours. 7 c.c. Ceramine intramuscular given.
			31/10	+++	c3, CIII vestibule red, discharge moderate	3 1/2 x 3 x 2 11 x 7 x 5 S.F. 2 cm tense fluctuating	P _x intra-uterine treatment.	Not served			On 29/10 and 31/10/52 4 cc Propanidine intra-uterine containing 0.5 M.U. crystalline Penicillin introduced into uterus.
			2/11	++	Rectally cervix relaxed. Vestibule red, slight discharge.	3 x 3 x 2 7 x 7 x 5 C.H. firm but elastic	Womb and horns firm and fleshy.		Rupture estimated to have taken during 31/10/52		

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MAPE: FLAMING RIVER.

YEAR:	HEAT PERIOD DATE	LENGTH	EXTERNAL HEAT	VAGINA	EXAMINATION LEFT. OVARY. RIGHT.	UTERUS.	SERVICE DATE	REMARKS	FOALING DATE	GESTATION LENGTH	REMARKS.
			4/11	--	Rectally cervix firmer and fleshy; vestibule red.	 	L.H.B. 3" diam R.H.B. 2" "				
			7/11	--	Rectally cervix firm and defined; vestibule pink.	 	do.				
			19/11	--	c2, CII no discharge; vestibule pink.	 	Uterine horns lying on pelvic floor. L.H. bigger than R.H. but both contracted firmly.				
20/11-23/11		4	20/11	++	c3, CIII vestibule red.	 	do.				
			21/11	+++	c3, CIII vestibule red.	 	do.				
			22/11	+++	c3, CIII vestibule red	 	do.	22/11	Satisfactory service with intra-uterine insemination as no semen found in vagina.	Rupture of follicle estimated to have taken place on 22/11/52.	
			23/11	++	Rectally cervix fleshy and defined, vestibule red.	 	do.				
			28/11	--	Rectally cervix hard, firm, vestibule pink.	 	Base of uterine horns 2 1/2" in diameter each.				
			3/12	--	Rectally cervix projects like a finger. Vestibule pale.	 	Womb contracts slowly but firmly.				

MARE: FLAMING RIVER

YEAR	HEAT PERIOD DATE	LENGTH	EXTERNAL HEAT	VAGINA	EXAMINATION LEFT. Ovary. RIGHT.	UTERUS.	SERVICE DATE.	REMARKS	FOALING DATE.	GESTATION LENGTH.	REMARKS
	9/12	—	do.	white crusty discharge on vulva lips.			Horns responsive circular, turgid, base horns 2" in diameter.				
	11/12	—	Rectally cervix soft fleshy relaxed. vestibule pink.				Horns firmly contracted, responsive turgid				
	15/12	—	Rectally cervix projects firmly like a finger. Vestibule pale.				Uterine horns contract very firmly.				
	19/12	—	so, AI vestibule pale.				R.H.B. bantam: egg size swelling, horns turgid circular, firm				
	24/12	—	Rectally cervix firmly contracted. vestibule pale.				do. R.H.B. hens egg size swelling.				
	30/12	—	do.				do. R.H.B. goose egg/swelling size				
	7/1/53	—	do. vestibule pale and sticky.				B.L.H. 1 1/2" diam B.R.H. small orange size swelling.	7/1 Blood send to Onderstepoort Laboratories Negative.			
	23/1	—	Cervix fleshy and soft. Slight crusty white discharge matting lips of vulva.				Uterine horns contract normally.				

MARE: FLAMING RIVER.

YEAR	HEAT PERIOD DATE	LENGTH	EXTERNAL R.	VAGINA	EXAMINATION LEFT. OVARY. RIGHT.	UTERUS.	SERVICE DATE.	REMARKS	FOALING DATE.	GESTATION LENGTH.	REMARKS
	5/2		Silent heat no teasing	Slight white crust on vulva lips. Vestibule pink. Vulva lips swollen, outline cervix indistinct.	5 7/8 x 3 7/8 14.0 x 7.5 S.F. 5cm hard and irregular	2 x 2 x 2 5 x 5 x 5 Nil		Uterine horns contract firmly.			
	12/2		No teasing.	Vestibule red cervix indistinct. Vulva relaxed.	4 x 3 x 3 10.2 x 7.6 C.H. C.H. soft and granular pale	2 x 1 x 1 5 x 5 x 5 Nil hard and irregular		Uterine horns relaxed, soft; do not contract.	Foal purging slightly.		

No. 11. FLORA SANDES.

OWNER:

MARE: FLORA SANDES. (Local Bred.)

BORN: 1940.

BREEDING: SOLDIER KING - KOPPIES.

ANAMNESIS: 1946 - Served 1/10, 5/10, 26/10, 26/10, 29/10
 31/10, 2/11, 4/11, 7/12, 9/12. - Foaled - Barren. 342
 1947 - " 13/9, 20/9, 14/10, 17/10, 4/11
 6/11, 18/11, 20/11, 22/11 - " 29/10/48 342
 1948 - Served 23/11 - Foaled 31/10/49 342
 1949 - " 9/11, 24/11, 8/12 - " Barren.

YEAR	HEAT PERIOD		EXTERNAL HEAT	VAGINA	EXAMINATION			SERVICE DATE	REMARKS	FOALING DATE	GESTATION LENGTH	REMARKS
	DATE	LENGTH			LEFT.	OVARY.	RIGHT.					
1950	18/9-25/9	8										On 11 and 14/8/50 4oz Propamide intra-uterine containing 0.5MU. crystalline penicillin introduced in uterus.
	14/10-18/10	5					16/10					On 14/8/50 Stilboestrol dipropionate injected subcutaneously on 14/8/50 modified Caslick operation performed.
	6/11-8/11	3					7/11					
	27/11-30/11	4					28/11		13/11/51	350		
1951	22/11-24/11	3										
	10/12-11/12	2					10/12	Missed foalheat as vulva and service could not be permitted.	12/11/52	338		
1952	23/11-24/11	2	20/11	—	Vestibule red. b2, C2 Has to be twitched when brought to the teaser.	1 1/2 x 1/2 x 1/2 3.5 x 1.5 x 1.5 S.F. turn	1 3/4 x 1/2 2.5 x 2.0 x 1.5 Shad Birnigh lar.	L.H.B. 6" diam very big - relaxed on pelvic floor. Ovarian ligaments taut & ovaries just above cornu. R.H.B. 4" diam. Extremities conical.				Very difficult mare to tease. Normally attacks teaser as she is bad tempered and only shows heat by relaxing or calking down in the company of the teaser



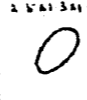

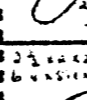

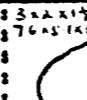


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MARE: FLORA SANDES.




YEAR	HEAT PERIOD DATE	HEAT PERIOD LENGTH	EXTERNAL HEAT	VAGINA	EXAMINATION LEFT. OVARY. RIGHT.	UTERUS.	SERVICE DATE.	REMARKS	FOALING DATE.	GESTATION PERIOD.	REMARKS
			23/11	♦	Vestibule red. b2, CII tolerates the stallion teaser	1 1/2 x 1 1/2 2 1/2 x 2 1/2 S.F. 1cm Knee	1 1/2 x 1 1/2 2 1/2 x 2 1/2 S.F. 1cm Knee	Uterine horns: asymmetrical and very fleshy.	23/11		
			25/11	—	Vestibule pink, rectally cervix firm projects like a finger.	do.	do.	do.			No rupture of G.F. took place.
			27/11	—	Rectally cervix firmly contracted; vestibule pale.	1 1/2 x 1 1/2 3 1/2 x 3 1/2 S.F. 1cm Knee	1 1/2 x 1 1/2 3 1/2 x 3 1/2 S.F. 1cm Knee	Horns contracting readily still very big.			
			3/12	—	do.	1 1/2 x 1 1/2 3 1/2 x 3 1/2 S.F. 1cm Knee	2 1/2 x 2 1/2 5 1/2 x 5 1/2 S.F. 1cm Knee	Uterine horns: relaxed on pelvic floor L.H.B. 6" diam. R.H.B. 4" "			
			9/12	—	Rectally cervix soft, fleshy, relaxing, vestibule reddish.	1 1/2 x 1 1/2 3 1/2 x 3 1/2 S.F. 1cm Knee	3 1/2 x 3 1/2 7 1/2 x 7 1/2 S.F. 3cm Soft	Uterine horns: relaxed, but contracting slowly on handling and becoming fairly firm.			
10/12-11/12		2	10/12	♦	c3, CIII vestibule red, rectally cervix soft and flabby	1 1/2 x 1 1/2 3 1/2 x 3 1/2 S.F. 1cm Knee	2 1/2 x 2 1/2 6 1/2 x 6 1/2 CL 2.5cm very doughy	Uterine horns: flabby, not contracting readily.	10/12		Not satisfactory; some semen drawn and spilled. Estimated date of rupture of follicle with the formation of a corpus luteum by 10/12/52.
			12/12	—	Rectally cervix firm and fleshy.	1 1/2 x 1 1/2 3 1/2 x 3 1/2 S.F. 1cm Knee	2 1/2 x 2 1/2 6 1/2 x 6 1/2 CL 3cm	Uterine horns: still flabby, the walls oval contract more readily but not very firmly.			
19/12-23/12		5	19/12	♦	b2, CIII vestibule red cervix soft and flabby.	1 1/2 x 1 1/2 2 1/2 x 2 1/2 N.E.	2 1/2 x 2 1/2 6 1/2 x 6 1/2 S.F. 2cm Knee doughy center.	Uterine horns: flabby and do not contract readily.	20/12		Satisfactory, nothing spilled. 1,500 units L.H. injected (Prolan) intramuscularly.

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MARE: FLORA SANDES.

YEAR	HEAT PERIOD DATE	LENGTH	EXTERNAL HEAT	VAGINA	EXAMINATION LEFT. OVARY. RIGHT.	UTERUS.	SERVICE DATE	REMARKS	FOALING DATE	GESTATION LENGTH	REMARKS
	21/12	♦♦	Rectally cervix soft and flabby, vestibule red.		1 1/2 x 1 1/2 2 1/2 x 1 1/2  M.C.	2 1/2 x 1 1/2 6 x 4 x 1 1/2 S.F. 2.5cm Thine	do.				
	22/12	♦♦	Rectally cervix soft and fleshy, vestibule red and shiny.		1 1/2 x 1 1/2 2 1/2 x 1 1/2 	2 1/2 x 1 1/2 6 x 4 x 1 1/2 S.F. 2.5cm Soft and watery	22/12	Satisfactory service.			Rupture of Graafian follicle believed to have taken place a few hours after injection i.e. 22/12/52
	23/12	♦♦	do.		1 1/2 x 1 1/2 2 1/2 x 1 1/2 	2 1/2 x 1 1/2 6 x 4 x 1 1/2 C.H. blood clot 2.5cm	do.				
	24/12	—	do.		1 1/2 x 1 1/2 2 1/2 x 1 1/2 	2 1/2 x 1 1/2 6 x 4 x 1 1/2 C.H. 2.5cm	do.				
	31/12	—	Rectally cervix hard, projects like a finger, vestibule pale.		2 1/2 x 1 1/2 6 x 4 x 1 1/2  S.F. dum Thine	2 1/2 x 1 1/2 6 x 4 x 1 1/2 doughy C.H.	Uterine horns contract slowly but not very firmly.				
	8/1/53		do.		2 1/2 x 1 1/2 6 x 4 x 1 1/2  S.F. dum Soft and fluctuating	2 1/2 x 1 1/2 6 x 4 x 1 1/2 doughy S.F. 1cm	Uterine horns sensitive and responsive. R.H.B. 1 1/2" diam. L.H.B. 1 1/2" "				
	15/1/53		do.		3 x 2 x 1 1/2 7 x 4 x 1 1/2  S.F. dum Thine	3 x 2 x 1 1/2 7 x 4 x 1 1/2 C.H. detected S.F. 1cm	Uterine horns firmly contracted, circular turgid.				
	4/2/53		do.		3 x 2 x 1 1/2 7 x 4 x 1 1/2  S.F. dum Thine	3 x 2 x 1 1/2 7 x 4 x 1 1/2 C.H. 3cm	R.H. small orange size swelling.				
	12/2		vestibule pale, cervix hard and projects like a finger.		2 1/2 x 1 1/2 6 x 4 x 1 1/2  S.F. dum C.H. 2.5cm Thick skinned and doughy.	2 1/2 x 1 1/2 6 x 4 x 1 1/2 C.H. 3cm	R.H. small football 1/3rd in body uterus thin walled no response.				Blood forwarded On-derstepoort Positive.

MARE: FLOEA SANDES.

YEAR	HEAT PERIOD DATE	LENGTH	EXTERNAL HEAT	VAGINA	EXAMINATION LEFT. OVARY. RIGHT.	UTERUS.	SERVICE DATE	REMARKS	FOALING DATE	GESTATION PERIOD	REMARKS	
			18/2	do.	12/11/31 24/11/31 36/11/31 6/12/31 C.H. 3cm  2cm 12/11/31 24/11/31 36/11/31 6/12/31 C.H. 3cm R.H. football size swelling							
			26/2	do.	12/11/31 24/11/31 36/11/31 6/12/31 C.H. 2cm  2cm 12/11/31 24/11/31 36/11/31 6/12/31 C.H. 2cm Pregnancy in abdomen on pelvic brim.							
			21/3	do.	12/11/31 24/11/31 36/11/31 6/12/31 C.H. 3.5cm  3.5cm 12/11/31 24/11/31 36/11/31 6/12/31 C.H. Nil Intra-abdominal.							

NO. 14. FRESCOE.

OWNER:

MARE: FRESCOE. (Imported).

BORN: 1948.

BREEDING: DONATELLO - SILVER LACE.

ANAMNESIS: Imported during 1951.


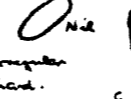
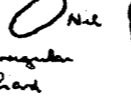


YEAR	HEAT PERIOD DATE	LENGTH	EXTERNAL HEAT	VAGINA	EXAMINATION LEFT. OVARY. RIGHT.	UTERUS.	SERVICE DATE	REMARKS	FOALING DATE	GESTATION LENGTH	REMARKS
1951	17-19/9/51	3					18/9		21/8/52	338	
1952	28-29/9/52	2	28/9	◆	Vestibule pale pink	Vulva firmly contracted and puckered		Not served and not examined.			
			29/9	◆◆	" dry "						
			30/9	—	" " "						
			8/10	—	al, BII vestibule dry pink			Symmetrical contracts firmly on handling. Base of horns: 2 1/2"			
			12/10	—	al, BII		do.				
			16/10	—	al, BII		do.				
			21/10	—	al, BII	do. do.	do.	(B.W.) P.M.S., 1,500 units s.c.			
			22/10	◆◆	al, BII		Responsive, symmetrical contracts firmly.				
	23-24/10	2	23/10	◆◆	al, CIII		do.				

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MARE: FRESGGE.

YEAR	HEAT PERIOD DATE	LENGTH	EXTERNAL HEAT	VACCINA	EXAMINATION LEFT OVARY. RIGHT.	UTERUS.	SERVICE DATE	REMARKS	FOALING DATE	GESTATION LENGTH	REMARKS
	24/10	+++	e3, CIII		<p>3 1/2 x 2 1/2 5 x 3 1/2 8.9 x 6.4 x 5.1 12 x 5.9 x 2.9</p> <p>S.F. 3.5 cm S.F. 3 cm 20 cm long soft and fluctuating</p>	do.	24/10 In- semination: 1,000 L.H. intra-: intraven- uterine, no: eously semen found after ser- in vagina: vice (Phy- sostab) Early morning.				
	25/10	-			Off heat						
	26/10	-	e3, CIII		<p>3 1/2 x 2 1/2 3 x 2 x 2 8.9 x 6.4 x 5.1 7.6 x 5.1 x 5.1</p> <p>S.F. 3 cm S.F. 3 cm 10 cm long flabby mottled firm</p>	do.	Estimated time of ovulation: on 24/10/52				
	28/10	-	b2, CII		<p>3 1/2 x 2 1/2 3 x 2 x 2 8.9 x 6.4 x 5.1 7.6 x 5.1 x 5.1</p> <p>S.F. 3 cm S.F. 3 cm 10 cm long firm and contracted</p>	do.	Remains con- tracted. Feels turgid like sponge rubber.				
	30/10	-	a1, BII		<p>3 1/2 x 2 1/2 3 x 2 x 2 8.9 x 6.4 x 5.1 7.6 x 5.1 x 5.1</p> <p>S.F. 2.5 cm S.F. 2.5 cm 10 cm long firm and contracted</p>	do.	Base of horns: 1 1/2" in diam. do.				
	2/11	-	a1, BII		<p>3 x 2 x 2 2 1/2 x 2 x 2 7.6 x 5.1 x 5.1 6.4 x 5.1 x 5.1</p> <p>S.F. 1 cm S.F. 1 cm 10 cm long firm and contracted</p>	do.					
	6/11	-	a1, AII		<p>3 x 2 x 2 3 x 2 x 2 7.6 x 5.1 x 5.1 7.6 x 5.1 x 5.1</p> <p>S.F. 2.5 cm S.F. 2 cm 10 cm long firm and contracted</p>	do.	Firmly con- tracted, cir- cular on handling.				
	12/11	-	a1, AII		<p>3 1/2 x 3 1/2 2 1/2 x 2 x 2 8.9 x 7.6 x 5.1 6.4 x 5.1 x 5.1</p> <p>S.F. 4 cm S.F. 3 cm 20 cm long soft and fluctuating</p>	do.	Womb flabby relaxed but contracts firmly on handling.				
	19/11	-	a1, AI		<p>4 1/2 x 3 x 2 2 1/2 x 2 x 2 11.4 x 7.6 x 5.1 5.1 x 3.5 x 3.5</p> <p>S.F. 4 cm S.F. 2 cm 15 cm long firm and contracted</p>	do.	Hard, firmly contracted, circular. Base: of horns 1 1/2" R.H. base pid- geon egg size: swelling.				

MARE: FRESQUE.

YEAR	HEAT PERIOD DATE	LENGTH	EXTERNAL HEAT	VAGINA	EXAMINATION LEFT. OVARY. RIGHT.	UTERUS.	SERVICE DATE	REMARKS	FOALING DATE.	GESTATION LENGTH	REMARKS	
			27/11	—	al, AO	3x2x2 7.6x5.1x5.1  4x2x2 10.2x6.4x6.2 C.A. 4cm S.F. 2.5cm 2cm S.F. 2cm		L.H. firmly contracted, circular and hard. R.H. do. small fowl egg/at base				
			4/12	—	al, AO	2x1x1 5.1x2.5x1.3  5x3x3 11.7x8.9x7.4 C.A. 4cm S.F. 2.5cm		Uterine horns firmly contracted. R.H.B. small orange size swelling.				
			14/12	—	al, AO	2x1x1 5.1x2.5x1.3  6x3x3 10.2x7.4x7.4 C.A. 4cm		L.H. firm and round. R.H.B. orange size swelling.			14/12 Block to Onderstepoort Laboratories. Positive.	
			14/1	—	Cervix finger-like and firm. Vestibule pale.	1x1x1 3.2x3.5x2.5  1x1x1 2.5x2.5x1.3 						

MR. II. HATS OFF II.

OWNER:

MAEL: HATS OFF II. (Local Bred).








BORN: 1936.

BREEDING: NOBLE STAR - MATBOX.

ANAMNESIS: 6/9/42 br. colt 23/10/48 Ch. colt
 1943 - Slipped 1949 barren
 10/10/44 Ch. filly 10/7/50 Slipped twins. On 11 and 14/8/50 4 ounces Propamide intra-uterine containing 0.5 M.U. crystalline Penicillin introduced into uterus. On 14/8/50 Stilboestrol dipropionate 10 mgm. subcutaneously injected.
 5/10/46 b. filly
 16/9/47 Ch. colt.

YEAR	HEAT PERIOD		EXTERNAL HEAT	VAGINA	EXAMINATION			SERVICE DATE	REMARKS	FOALING DATE	GESTATION LENGTH	REMARKS	
	DATE	LENGTH			LEFT.	OVARY.	RIGHT.						UTERUS.
1950	12/9-18/9	7						15/9					
	3/10-7/10	5						6/10		5/9/51	334	Difficult birth.	
1951	13/9-15/9	3		Bruised				Not served					
	30/9-2/10	3		"				" "					
	17/10-23/10	7						18/10 & 22/10	Continious	21/9/52	335	slight vul: var dis- charge for: 2-3 months: before foaling soiling in: side thigh	
1952	28/9-1/10	4	28/9	+++									
			29/9	+++	e3, CIII vestibule red.			Very big base: of horns 4" in diameter. Symmetrical heavy, doughy horns conical: on body.	29/9	Insemina- tion intra- uterine as: no semen found in vagina.			
			30/9	+++	e3, CIII			do.					
			1/10	+	e3, CIII			do.		Rupture est- imated to: have taken: place du- ring even- ing of 30/9/52			

MARE: HATS OFF II.

YEAR	HEAT PERIOD DATE	LENGTH	EXTERNAL HEAT	VAGINA	EXAMINATION LEFT. OVARY. RIGHT.	UTERUS.	SERVICE DATE	REMARKS	FOALING DATE	GESTATION LENGTH	REMARKS
	2/10	-	e2, CII		<p>5 2 2 1 1 7 4 6 4 6</p>  <p>C.L. elastic outline and distinct</p>	<p>2 2 1 1 1 6 2 3 5 2 5</p> <p>0 N.C. firm</p>		Becoming smaller and firmer.			
	12/10	-	a1, AII		<p>3 2 2 2 2 7 6 6 4 6</p>  <p>C.L. 2 cm</p>	<p>2 2 1 1 1 5 1 3 6 2 5</p> <p>0 firm</p>		Uterus shrinking steadily. Base horn 3" diam, firm and circular.			
	23/10	-	ao, AI white purulent discharge from vulva.		<p>3 1 2 2 2 6 4 6 4 6</p>  <p>C.L. 3 cm</p>	<p>1 2 1 1 1 3 8 2 5 2 2</p> <p>0 firm</p>		Uterus shrinking. Base horn 2", firm, turgid, circular.			
	31/10	-	ao, AI Slight white purulent discharge from vulva		<p>3 1 2 2 2 8 9 6 4 6</p>  <p>C.L. 3 cm</p>	<p>1 2 1 1 1 3 8 2 5 2 2</p> <p>0 firm</p>		do.			
	5/11	-	ao, AI copious white discharge soiling inside thighs.		do.	do.		do. L.H.B. goose egg size swelling.			
	7/11	-	ao, AI Slight vaginal discharge, cannot trace source.		do.	do.		do. L.H.B. small orange size swelling.			
	14/11	-	ao, AI Slight discharge vagina slopes downwards. Cervix sunken to floor. Vulva too large and relaxed.		<p>2 2 3 2 2 17 6 7 4 2 5</p>  <p>C.L. 3.5 cm</p>	<p>2 2 1 1 1 5 1 3 5 2 2</p> <p>0 N.C. firm</p>		do. R.H.B. orange size enlargement. 2/3rd in horn; 1/3rd in body.			Blood forwarded to Onderstepoort laboratories. Positive.
	28/11	-	ao, AI Slight white discharge.		<p>2 2 2 2 2 16 6 5 4 5 1</p>  <p>C.L. 2.5 cm</p>	<p>2 2 1 1 1 5 1 3 5 2 2</p> <p>0 N.C. hard</p>		Balloon stage; ± 10" diam. Uterus not responsive. Walls thin, pliable.			
	11/12	-	ao, AI Very slight white discharge.		<p>2 2 1 1 1 11 6 3 4 2 5</p>  <p>C.L. felt as sa soft doughy center.</p>	<p>1 2 1 1 1 3 8 2 5 2 2</p> <p>0 hard</p> <p>Ovary middle halfway down pelvis incl.</p>		R.H. in abdomen, ovarian lig. taut. Uterine arteries very prominent. Diam. 15"			

MARE: HATS OFF II.

YEAR	HEAT PERIOD		EXTERNAL HEAT	VAGINA	EXAMINATION			SERVICE DATE	REMARKS	FOALING DATE	GESTATION LENGTH	REMARKS
	DATE	LENGTH			LEFT. OVARY.	RIGHT.	UTERUS.					
:	:	:	14/1	—	Vestibule pale	2.0 x 1.5	4.0 x 1.5	Pregnant horns	:	:	:	:
:	:	:	:	:	pink, Cervix firm	5.0 x 3.0 x 2.5	5.0 x 3.0 x 2.5	in abdomen	:	:	:	:
:	:	:	:	:	slight white discharge	:	:	certain portion bladder	:	:	:	:
:	:	:	:	:	charge soiling inside of thighs	0	0	like on Pelvic brim.	:	:	:	:
:	:	:	:	:	:	:	:	12" diam.	:	:	:	:

NO. 16. HATTIE HART.

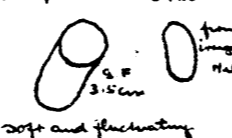
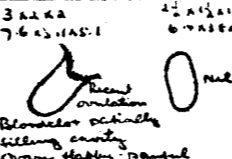
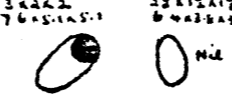
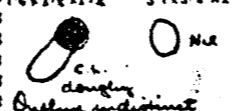
OWNER:

MARE: HATTIE HART. (Local Bred).

BORN: 1944.

BREEDING: HARTINGTON - HATS OFF II.







ANAMNESIS: Brought to stud during 1950.

YEAR	HEAT PERIOD DATE	LENGTH	EXTERNAL HEAT	VAGINA	EXAMINATION LEFT. OVARY. RIGHT.	UTERUS.	SERVICE DATE	REMARKS	FOALING DATE	GESTATION LENGTH	REMARKS.
1950	11/9-13/10	33					13/10	Prolan			
	28/10-5/11	9					31/10 & 3/11				
	21/11-27/11	7					24/11 & 27/11		31/10/51	338	Hard labour with slight haemorrhage from vulva.
1951	8/11-12/11	5					Not served	Bruised vulva.			
	26/11-29/11	4					28/11		28/10/52	335	Watery discharge for 7 days after foaling.
1952	4/11-7/11	4	5/11	e3, CIII Watery discharge from vulva when mare trots in paddock, vestibule red.		Uterine horns very big and monical. Base of horns 4" in diam. Very fleshy, Symmetrical.					
			6/11	e3, CIII vestibule red.		do.		Not served because of vulvar discharge. G.P. rupture estimated to have taken place on 6/11/52.			Foal purged badly on 4/11-5/11 and treated against diarrhoea.
			7/11	e3, CIII vestibule red		do.					
			8/11	— vestibule red	not examined						
			13/11	— Rectally cervix firm and fleshy. Vestibule pale.		Uterine horns firmly contracted. Base of horns 3 1/2"					




MARE: HATTIE HART.

YEAR	HEAT PERIOD DATE	LENGTH	EXTERNAL HEAT	VAGINA	EXAMINATION LEFT. OVARY. RIGHT.	UTERUS.	SERVICE DATE.	REMARKS	FOALING DATE	GESTATION LENGTH	REMARKS
			19/11	—	Rectally cervix soft and fleshy, vestibule pale.		Uterine horns flabby, relaxed, contracting slowly.				
	22/11-26/11	5	22/11	+	Rectally cervix soft and ill-defined, vestibule pink.		do. but horns more responsive.				
			23/11	+++	Rectally cervix cannot be distinguished, vestibule red.		do.	23/11	Very satisfactory no semen with drawn and spilled.		
			24/11	+++	Vestibule red.	do. do.					
			25/11	+++	Rectally cervix very soft and flabby, vestibule red.		do.	25/11	do. Served in evening after service.	Rupture estimated to have taken place on 25/11/52	
			28/11	—	Rectally cervix firm, diam 4" fleshy, vestibule pink.		Womb relaxed contracting slowly, base of horns 3 1/2" diam.				
			4/12	—	Rectally cervix projects like a finger, vestibule pale.		Womb contracts firmly. Base of horns 3" in diam.				
			9/12	—	Rectally cervix firm but fleshy, vestibule pale.		Uterine horns responsive, turgid circular.				
			12/12	+	Rectally cervix broad and fleshy, vestibule pink.		Firmly contracted horns round and turgid.	False heat.			

MARE: HATTIE BART.

YEAR	HEAT PERIOD DATE	LENGTH	EXTERNAL BEAM	VAGINA	EXAMINATION LEFT. OVARY. RIGHT.	UTERUS.	SERVICE DATE.	REMARKS	FOALING DATE.	GESTATION LENGTH	REMARKS
	19/12			Rectally cervix broad and fleshy vestibule pink	<p>33x24x14 33x24x14 CL 2cm SF 3cm SF 3cm SF 3cm</p> 	Uterine horns contract slug; fishy and not very firm.					
	23/12		ao, AI		<p>33x24x14 33x24x14 CL 2cm SF 3cm SF 3cm SF 3cm</p> 	Uterine horns firmly contracted, circular turgid. B.L.H. 2" diam. B.R.H. 2 1/2" swelling size of large banana egg.					
	31/12			Rectally cervix projects firmly like a finger. Vestibule pale.	<p>33x24x14 33x24x14 CL 2cm SF 3cm SF 3cm SF 3cm</p> 	Uterine horns responsive R.H.B. fowl egg size swelling.					
	7/1			do. vestibule pale and sticky.	<p>33x24x14 33x24x14 CL 2cm SF 3cm SF 3cm SF 3cm</p> 	R.H.B. grape fruit swelling					Blood sand; to Understepoort Laboratories. Positive.
	23/1/53			Rectally cervix projects firmly like a finger. Vestibule pale.	<p>33x24x14 33x24x14 CL 2cm SF 3cm SF 3cm SF 3cm</p> 	R.H.B. child's football size (7" diam) swelling, thin walled soft and fluctuating. Most in body, womb. I.H.B. contracts firmly. R.H.B. contracts firmly.					
	4/2/53			do.	<p>33x24x14 33x24x14 CL 2cm SF 3cm SF 3cm SF 3cm</p> 	R.H.B. foot-ball size swelling, thin walled, soft fluctuating. Partly on and over pelvic brim.					

MARE: HATTIE HART.

YEAR	HEAT PERIOD DATE	HEAT PERIOD LENGTH	EXTERNAL HEAT	VAGINA	EXAMINATION LEFT. OVARY. RIGHT.	UTERUS.	SERVICE DATE.	REMARKS	FOALING DATE.	GESTATION LENGTH.	REMARKS
			18/2/53	do.	 2 1/2 x 1 1/2 6 x 4 x 2 1/2 1 1/2 x 1 1/2 3 x 2 1/2 x 1 1/2 N.E.	R.O. stretched down on level pelvic brim. L.O. halfway down. Vascular net- work over Placenta dis- tinct, preg- nancy over pelvic brim 15" diam.					
			26/2/53	do.	 2 1/2 x 1 1/2 6 x 4 x 2 1/2 1 1/2 x 1 1/2 3 x 2 1/2 x 1 1/2 N.E.	Pregnancy intra abdomi- nal 18" across					
			21/3/53	do.	 1 1/2 x 1 1/2 3 x 2 1/2 x 1 1/2 N.E.	Pregnancy intra abdomi- nal.					Mare died 26/3/53 of Horsesickness. Post-mortem revealed pregnancy.
					Both ovaries and uterus						

NO. 17. HELIOTROPE II.

OWNER:

MARE: HELIOTROPE II. (Imported).

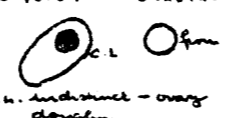
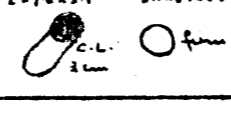
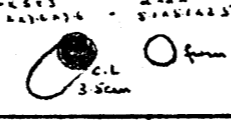
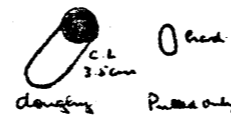
BORN: 1944.

BREEDING: PANORAMA - BOUQUET.

ANAMNESIS:	YEAR	PERIOD	SERVED	REMARKS
	1951	29/9-1/10	Served	1948 - foaled "Barker" foal which died.
1		15/10-19/10	" 7/10	1949 - barren
		1/11-4/11	" 3/11	1950 - foaled "Barker" foal which died
		22/11-28/11	" 24/11	1951 - barren
		8/12-11/12	" 11/12	1952 - barren
		25/12-31/12	" 25/12 & 29/12	Arrived in S.A. - September 1951. 25/12/51 1,500 units Prolan intravenously.

YEAR	HEAT PERIOD DATE	LENGTH	EXTERNAL HEAT	VAGINA	EXAMINATION LEFT. OVARY. RIGHT.	UTERUS.	SERVICE DATE.	REMARKS	FOALING DATE	GESTATION LENGTH	REMARKS
1951	See above						Not served: 17/10 3/11 24/11		barren		
1952	9-15/9	7	9/9	oo	b2, BII	Small; relaxed but contracts slowly.		Amns has multiple small melanomata.			
			10/9	oo	b2, BII	do. do. do.					
			11/9	oo	b2, CIII	SF scanty. do. do.					
			12/9	ooo	e3, CIII	Small, horns contract readily firmly and rounded.	12/9	Insemination intra-uterine as no semen found in vagina.			
			14/9	oo							
			15/9	o		Sop and fluctuating					
			16/9	--	b2, CIII	Uterine horns turgid and firmly contracted.		Ovulation during early morning of 13/9/52.			
			20/9	--	a1, AII	do.					

MARE: HELIOTROPE II.

YEAR	HEAT PERIOD DATE	LENGTH	EXTERNAL HEAT	VAGINA	EXAMINATION LEFT. OVARY. RIGHT.	UTERUS.	SERVICE DATE.	REMARKS	FOALING DATE.	GESTATION LENGTH	REMARKS
	3/10	--	ao, AI		<p>3x3x2 2x2x1 7x7x5 5x5x2</p>  <p>C.L. 2cm C.L. 1cm</p>	Horns very firmly contracted turgid. B.L.H. pigeon size swellings					
	22/10	--	ao, AI		<p>4x3x2 2x2x1 10x7x5 5x5x2</p>  <p>C.L. 2cm</p>	do. B.L.H. has a fowls egg size swelling:					
	31/10	--	ao, AI		do. do.	do. B.L.H. goose egg size swelling.		Blood forwarded to Onderstepoort Laboratories Positive.			
	11/11	--	ao, AI		<p>4x3x2 2x2x1 10x7x5 5x5x2</p>  <p>C.L. 3.5cm</p>	do. B.L.H. orange size swelling:					
	5/12	--	ao, AI	Vagina stretched flat along the pelvic floor.	<p>4x3x2 2x2x1 10x7x5 5x5x2</p>  <p>C.L. 3.5cm doughy Pushed downwards on end with the pelvic form</p>	L.H. and body: balloon size 12" diameter lying partly over the edge of the pelvic brim on the abdominal floor. Uterus relaxed soft, thin walled containing large amount of fluid.					
	15/1/53	--		Vestibule pale, rectally cervix like finger and projects rigidly	Out of reach	Out of reach		bladderlike over pelvic brim 15" diam			

NO. 18. HOLY GRAIL

OWNER:

MARE: HOLY GRAIL. (Imported).

BORN: 1936.

BREEDING: PRINCE GALLAHAD - COUNTESS OF HAINAULT.

ANAMNESIS:	1941 - colt foal	1942 - colt foal	1943 - colt foal	1944 - barren	1944 - foaled 2/10/45	1945 - Served 11/10, 12/10, 31/10 - barren	1946 - " 2/10, 5/10 - foaled 19/9/47	1947 - " 29/9, 30/9 - " 7/9/48	1948 - " 18/9 - " 3/9/49	1949 - " 12/9, 14/9 - " 25/8/50
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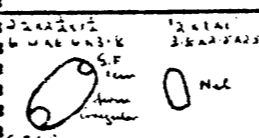
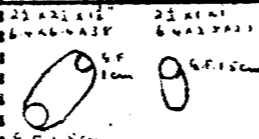
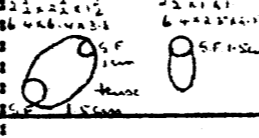
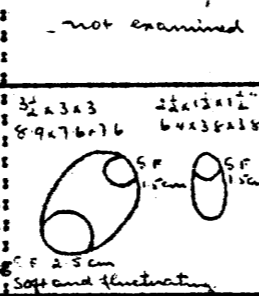
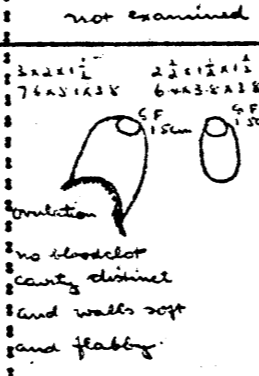
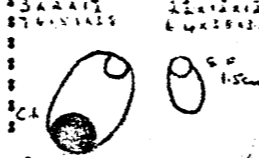
YEAR	HEAT PERIOD DATE	LENGTH	EXTERNAL HEAT	VAGINA	EXAMINATION LEFT. OVARY. RIGHT.	UTERUS.	SERVICE DATE.	REMARKS	FOALING DATE.	GESTATION LENGTH	REMARKS
1950	19/9-24/9	6					21/9				
	11/10-15/10	5					12/10 & 14/10		Slipped 30/3/51	167	Px, 1951. On 28 & 30/7/51 Propamide intra-uterine and penicillin used 10 mgm Stilboestrol dipropionate injected subcutaneously.
1951	7/9-9/9	3	Send away for service on 9/9				9/11 23/12-25/12		Barren		On 9 & 11/7/52 4oz Propamide intra-uterine containing 0.5 M.U. crystalline Penicillin introduced into the uterus. On 11/7/52 10 mgm. Stilboestrol dipropionate injected subcutaneously.
1952	15/9-22/9	8	16/9 **	b2, BII vestibule pink	<i>0 9</i>	Contract fairly readily.		Mares coat starting and winter coat not shed.			
			17/9 **	Vestibule pink	<i>do. do.</i>	do.					
			18/9 **	do.	<i>do. do.</i>	do.					
			19/9 **	do.	<i>0 9</i>	do.					

MARE: HOLY GRAIL.









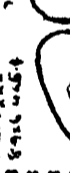
YEAR	HEAT PERIOD DATE	LENGTH	EXTERNAL HEAT	VAGINA	EXAMINATION LEFT. OVARY. RIGHT.	UTERUS.	SERVICE DATE	REMARKS	FOALING DATE	GESTATION LENGTH	REMARKS
	20/9	+++	Vestibule red c3, CIII		22x12 25x12 22x12 25x12	22x12 25x12 22x12 25x12	do.	20/9			Service satisfactory.
	21/9	+++				6 F. cm soft and fluctuating					Luteinizing Hormone (Prolan) 1,500 units intravenously.
	22/9	++	c3, CIII vestibule red		22x12 25x12	22x12 25x12 C.L. blood clot crumbers	Contracts firmly and circularly.				Estimated date of follicle rupture 21/9
	23/9	-	Vestibule pink, rectally cervix indistinct, soft		22x12 25x12	22x12 25x12 C.L. blood clot firm outline indistinct	Uterine horns firm and rounded.				
	24/9	-	Rectally cervix firmly fleshy vestibule paler		22x12 25x12	22x12 25x12 C.L. firm distinct in outline	Uterine horns turgid, resemble sponge rubber.				
	10/10	-	Rectally cervix hard, projects like a finger. Vestibule pale.		22x12 25x12	22x12 25x12 doughy center	do.				
	22/10	-	no, AI no vascularity Speculum enters with difficulty cervix on floor of vagina; sticky glue, smears.		22x12 25x12	22x12 25x12 6 F. 3.5 cm soft but not fluctuating	do. round firmly contracted.				
	5/11	-	Rectally cervix hard, vestibule pale		22x12 25x12	22x12 25x12 S.F. 2.5 cm doughy	Relaxed, horns soft and flabby by body beg. contracts slowly.				Blood collected and send to Onderstepoort Laboratories. Negative.
	19/11	-	Vestibule pale rectally cervix hard		22x12 25x12	22x12 25x12 doughy	Horns soft and flabby. Body soft and bladderlike.				22/11/52 1,500 P.M.S (Burroughs Wellcome) subcutaneously.

end

MARKS: HOLY GRAIL.

YEAR	HEAT PERIOD DATE	HEAT PERIOD LENGTH	EXTERNAL HEAT	VAGINA	EXAMINATION LEFT. OVARY. RIGHT.	UTERUS.	SERVICE DATE	REMARKS	FOALING DATE	GESTATION LENGTH.	REMARKS
			23/11 --	do.		Horns soft and flabby. Body relaxed soft and empty.					
	27/11-3/12	7	27/11 *	Rectally cervix firm but fleshy, vestibule pink		Uterus relaxed but contracts slowly. Base horns 2 1/2" diam.					
			28/11 **	Rectally cervix fleshy and distinct. Vestibule redder.		do.					
			29/11 ***	Vestibule red.	not examined		29/11	Satisfactory no spilling of semen			
			30/11 ***	Copious white discharge from vulva: soiling inside thighs, rectally cervix fleshy but still fairly firm. Vestibule red, glistening, shining		Uterine horns relaxed and flabby.					
			1/12 ***	do.	not examined						
			2/12 ***	Slight amount of white discharge. c3, CIII vestibule red cervix vague.		Horns firm and contracted.	2/12	Satisfactory insemination intra-uterine as no semen found in vagina. Examination performed 2 minutes after service.	Estimated date of rupture 2/12/52		
			3/12 ***	Rectally cervix ill-defined. Vestibule red.		Horns responsive.					

MARE: ECLY GRAYL.

YEAR	HEAT PERIOD DATE	EXTERNAL HEAT	VAGINA	EXAMINATION LEFT. OVARY. RIGHT.	UTERUS.	SERVICE DATE.	REMARKS	FOALING DATE.	GESTATION LENGTH.	REMARKS
	4/12	--	Rectally cervix fleshy; vestibule paler, pink.		do.					
	11/12	--	Rectally, cervix hard, projects like a finger. Vestibule pale.		Contracts slowly.					
	19/12	--	do.		Uterine horns: contract very slowly but not firmly.					
	23/12	--	do.		Uterine horns: contract slowly but fairly firmly.					
	28/12	--	do.		Uterine horns: contract fairly firmly. B.R.H. faintly; size enlargement.					
	8/1	Not tried	Rectally cervix hard projects like a finger, vestibule pale.		Uterine horns: relaxed and contract slowly. B.R.H. faintly. Goose egg size swelling.					
	14/1	do.	do.		Uterine horns: responsive. B.R.H. small orange size swelling.					
	22/1	do.	do.		do. B.R.H. grape fruit size		23/1. Mare bled, blood forwarded. Understated. poor La-boratorien Positive.			
	29/1	do.	do.		B.R.H. small football lying just over pelvic brim like a soft bag					

end

NAME: **BOIX GRAIL.**

YEAR	HEAT PERIOD DATE	LENGTH	EXTERNAL HEAT	VAGINA	EXAMINATION LEFT. OVARY. RIGHT.	UTERUS.	SERVICE DATE	REMARKS	FOALING DATE.	GESTATION LENGTH.	REMARKS
			1/2 do.	do.	<p>Left ovary 2x1.5cm. Right ovary 2x1.5cm.</p> <p>pregnancy over pelvic brim. Small foalball size.</p>						
			18/2 do.	do.	<p>Left ovary 2x1.5cm. Right ovary 2x1.5cm.</p> <p>Pregnancy over pelvic brim in abdo- men.</p>						
			27/2 Not trid	Vestibule pale cervix firm and hard fingerlike	<p>Left ovary 2x1.5cm. Right ovary 2x1.5cm.</p> <p>Pregnancy intra-abdominal.</p>						

NO. 19. JINWIPET.

OWNER:

MARE: JINWIPET. (Imported).

BORN: 1936.

BREEDING: CAV D' ARPINO - POMIA by Michal Angelo.
Imported Italy. Winner 1 race.

YEAR	HEAT PERIOD		EXTERNAL HEAT	VAGINA	EXAMINATION.			SERVICE DATE.	REMARKS	FOALING DATE	GESTATION LENGTH	REMARKS	
	DATE	LENGTH			LEFT.	OVARY.	RIGHT.						UTERUS.
1942	-	-	-	-	-	-	-	-	-	-	-	-	
1943	Service 15/10/43	-	-	-	-	-	-	-	-	-	-	-	
1944	" 22/11/44	-	-	-	-	-	-	-	-	-	-	-	
1945	" 28 & 29/10/45	-	-	-	-	-	-	-	-	-	-	-	
1946	-	-	-	-	-	-	-	-	-	-	-	-	
1947	-	-	-	-	-	-	-	-	-	-	-	-	
1948	-	-	-	-	-	-	-	-	-	-	-	-	
1949	-	-	-	-	-	-	-	-	-	-	-	-	
1950	14-18/9	5											
	5-12/10	8					7/10 & 10/10			16/9/51	341		
1951	26-30/9	5					27/9			19/9/52	325	Progesterone	
	28/10-31/10	4					30/10			Twins ♂ and ♀		(i.e. Pranone) 1.60mgm on 28/11/51 2.60 " " 31/12/51 3. " " 28/1/52 4. " " 25/3/52 5. " " 28/5/52 6. " " 15/7/52 7.50 " 28/8/52 8. " " 5/9/52 9.25 " 10/9/52	
1952										Twin foals:			
	26-30/9	5											
			2/10/52. Off Mare losing condition. Shot 2/10/52	Mico-purulent discharge, vagina and cervix very red-hyperaemia.	3x1x1 3x1x1 O O	Symmetrical very big doug hy conical diam 4" Mesovarium about 5" from lumbar wall.		P.M. fe- brile Peri- tonitis, intestine, liver, spleen, kidneys capsule adheres.				After birth colic and Placenta retained Pethidine HCl 5 c.c. I.d Stilboestrol 6 c.c. diprorio- (3c.c. evening nate. 3 " next morning. i.e. 60mgm. total. Procaine Penicillin 1 ml. intramuscularly. Pessaries and liq. paraffin in womb. One ♂ twin born dead. One ♀ twin died 4 days later septicæmia. Mare retained afterbirth for three days before it could be removed manually.	
					flat irregular hard	flat irregular hard. No corpus luteum although mare went through foalheat.							

NO. 20. KINGS FLAME.

OWNER:

MARE : KINGS FLAME. (Local Bred).

BORN: 1946.

BREEDING: SOLDIER KING - FLAMING RIVER.

ANAMNESIS: Brought to stud during 1950.

YEAR	HEAT PERIOD DATE	LENGTH	EXTERNAL HEAT	VAGINA	EXAMINATION LEFT. OVARY. RIGHT.	UTERUS.	SERVICE DATE	REMARKS	FOALING DATE	GESTATION LENGTH	REMARKS.
1950	28/9-3/10	6					Not served				
	18/10-23/10	6					20/10				
	9/11-11/11	3					11/11				
	29/11-2/12	4					29/11&2/12		8/11/51	341	Very hard labour causing bruising of vulva.
1951	16/11-16/11	1					Not served	16/11. Pk. Crystalline penicillin 1 ml. I.M. administered because of small amount of purulent discharge from vulva			
	1/12-7/12	7					3/12&6/12		9/11/52	339	
1952	17/11-22/11	6	18/11	⇐	e3, CIII vestibule red		18/11	Satisfactory no semen with drawn and spilled.			
			19/11	⇐⇐	e3, CIII vestibule red	do. do.	do.				
			20/11	⇐⇐	Rectally cervix cannot be distinguished, vestibule red.		do.				
			21/11	⇐⇐	do.		do.	21/11	Insemination intras uterine as no semen found in vagina.		

NAME: KING FLAME.

YEAR	HEAT PERIOD DATE	LENGTH	EXTERNAL HEAT	VAGINA	EXAMINATION LEFT. OVARY. RIGHT.	UTERUS.	SERVICE DATE	REMARKS	FOALING DATE	GESTATION LENGTH.	REMARKS
	22/11		♦	Cervix relaxed, soft open. Vestibule red.	<p>3 1/2 x 4 x 2 x 2 8 9 x 5 x 1 x 5 x 1</p> <p>G.F. 15 cm</p>	<p>Uterine horns responsive, contracting firmly.</p>		Ovulation regarded as very recent i.e. during 22/11/52.			
	23/11		—	Cervix feels fleshy. Vestibule light red.	<p>3 1/2 x 4 x 2 x 2 8 9 x 5 x 1 x 5 x 1</p> <p>G.F. 15 cm</p>	<p>do.</p>					
	28/11		—	Cervix firm, hard projects like a finger. Vestibule pale.	<p>4 1/2 x 4 x 1 1/2 5 1 x 3 x 2 x 2 x 2</p> <p>G.F. 15 cm</p>	<p>L.H.B. 3" diam R.H.B. 4" " responsive.</p>					
	2/12		—	do.	<p>2 x 1 1/2 x 1 1/2 5 1 x 3 x 2 x 2 x 2</p> <p>G.F. 15 cm</p>	<p>Uterine horns relaxed, flabby. R.H.B. 4" L.H.B. 2 1/2" contracting slowly.</p>					
	8/12		—	do.	<p>2 1/2 x 2 x 2 x 2 6 4 x 5 x 1 x 5 x 1</p> <p>G.F. 2.5 cm</p>	<p>Uterine horns contracting readily.</p>					
	12/12		—	do.	<p>3 x 4 x 2 x 2 7 6 x 5 x 1 x 5 x 1</p> <p>G.F. 2.5 cm</p>	<p>do.</p>					
	18/12		—	do.	<p>3 x 4 x 2 x 2 7 6 x 5 x 1 x 5 x 1</p> <p>G.F. 2 cm</p>	<p>Uterine horns firm; contracted turgid, circular. R.H.B. small; hens egg size swelling.</p>					
	22/12		—	Rectally cervix hard, round, projects like a finger. Vestibule pale.	<p>3 1/2 x 4 x 1 1/2 7 6 x 5 x 1 x 5 x 1</p> <p>G.F. 2 cm</p>	<p>Uterine horns responsive, turgid, circular, hard. L.H.B. 2 1/2" R.H.B. tennis ball size swelling.</p>					

NO. 21. OLIVE GROVE.

OWNER:

MARE: OLIVE GROVE. (Imported).

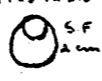
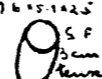
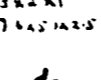
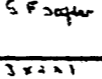
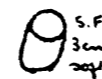
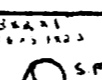
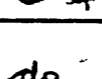
BORN: 1938.

BREEDING: WINDSOR LAD - STREET OLIVE.

ANAMNESIS: 1944 - Barren
 1945 - "
 1946 - Service dates 9/12, 10/12, 12/12, 14/12 - Foaled 14/11/47 : 335
 1947 - " " 23/11, 11/12, 12/12 - Pregnancy Test Positive: Barren. Pk.
 1948 - Service date 2/11/48 - Foaled 22/10/49 : 354
 1949 - " " 31/10 & 2/11 :
 13/12 & 15/12 " 13/11/50 : 333
 1950

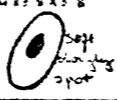
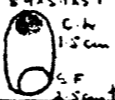
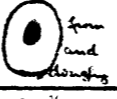
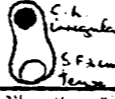
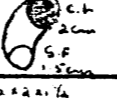
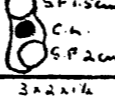
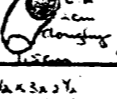
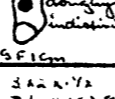
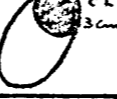
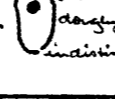

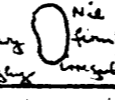

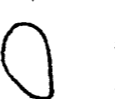
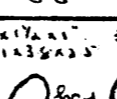
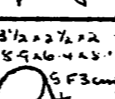
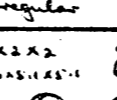
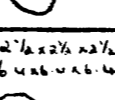
YEAR	HEAT PERIOD DATE	LENGTH	EXTERNAL HEAT	VAGINA	EXAMINATION LEFT. OVARY. RIGHT.	UTERUS	SERVICE DATE	REMARKS	FOALING DATE	GESTATION LENGTH	REMARKS
1950	21-22/11	2					21/11	Barren			Modified Caslick operation 8/8/51 - windsucking operation Pk. as well 28 & 30/7/51.
	9-14/12	6					10/12 & 13/12	and hence treated.			
1951	22-24/9	3					Not served	Not ready			
	8/10-24/10	17					17/10		29/9/52	348	
1952	7/10-9/10	3	7/10	+++	c3, CIII Vestibule red.	Large pendulous fleshy, base of horns 4" diam. con- tracts firmly on handling. Symmetrical.		Insemina- tion intra- uterine as found in vagina.			R 4oz Propami- dine intra uterine plus 500,000 units crystalline Peni- cillin in- troduced in uterus on 28 and 30/7/51. On 30/7/51 Stilboes- trof di- sproprio- nate 10mg subcuta- neously injected. On 30/7/51 modified Caslick operation performed.
			8/10	+++	c3, CIII vestibule red.	do. do. SF flabby	do.				
			9/10	+	c3, CIII vestibule red.	SF ruptured ovary flabby + many septa crater distinct SF 1cm	do.	Ovulation regarded as very re- cent i.e. on 9/10/52			
			10/10	-	c3, CIII vestibule red.	4 x 3 x 2 10-2 x 7-6 x 5-4 c.h. doughy SF 1cm					

MARK: OLIVE GROVE.

YEAR	HEAT PERIOD DATE	LENGTH	EXTERNAL HEAT	VAGINA	EXAMINATION LEFT. OVARY. RIGHT.	UTERUS.	SERVICE DATE.	REMARKS	FOALING DATE.	GESTATION LENGTH.	REMARKS
			17/10	-	Rectally cervix felt protruding like a finger. Vestibule pale.	3x2x1 5x5-1x2.5  4x3x2 10.2x7.4x5.1 S.F. 2cm doughy center					Uterine horns contracting firmly and fleshy.
26/10-29/10		4	26/10	+	Rectally cervix fleshy; vestibule pink.	3x2x1 7.6x5.1x2.5  4x3x3 10.2x7.6x7.6 S.F. 4cm tense S.F. 2cm					do. base uterine horns 3" diam
			27/10	++	Vestibule redder.	3x2x1 7.6x5.1x2.5  4x3x3 10.2x7.6x7.6					
			28/10	+++	Rectally cervix cannot be felt. Vestibule very red.	do S.F. 3cm soft	do S.F. 3cm watery	28/10	intra-uterine		
			29/10	+++	do.	3x2x1 7.6x5.1x2.5  4x3x3 10.2x7.6x7.6 S.F. 4cm very fleshy and soft S.F. 3cm S.F. 4cm					Rupture estimated to have taken place that morning i.e. 29/10/52.
			30/10	-	do.	3x2x1 7.6x5.1x2.5  4x3x3 10.2x7.6x7.6 S.F. 4cm C.H. doughy irregular outline S.F. 2cm					do.
			31/10	-	do. except vestibule paler.	do do	do				
			2/11	-	Rectally cervix can be distinguished as a fleshy tube. Vestibule pink.	2x1x1 5.1x2.5x2.5  3x3x2 7.6x7.6x5.1 C.H. S.F. irregular circular distinct S.F. 1cm no blood clot					Womb in erectile stage; circular, firm; turgid.
			6/11	-	Slight discharge from vulva. Rectally cervix firm; vestibule pale.	2x1x1 5.1x2.5x2.5  3x3x2 7.6x7.6x5.1 S.F. 1.5cm soft doughy spot					L.H. of womb larger than R.H. L.H.B. 3" diam R.H.B. 1 1/2 " " Horns responsive.

000/

MARE: CLIVE GROVE.

YEAR	HEAT PERIOD DATE	LENGTH	EXTERNAL HEAT	VAGINA	EXAMINATION LEFT OVARY. RIGHT.	UTERUS.	SERVICE DATE.	REMARKS	FOALING DATE.	GESTATION LENGTH.	REMARKS
	12/11		—	Rectally cervix projects like a finger. Vestibule pale.	 2 1/2 x 2 1/4 x 1 1/2 8 9 x 5 1/2 x 3 1/2	 3 1/2 x 2 1/2 x 2 8 9 x 5 1/2 x 3 1/2 C.H. 1.5 cm S.F.		Horns contracted firm, circular turgid.			
	18/11		—	Rectally cervix firmly contracted. Vestibule pale.	 3 1/2 x 2 1/4 x 2 8 9 x 5 1/2 x 3 1/2	 4 1/2 x 2 1/4 x 2 8 9 x 5 1/2 x 3 1/2 C.H. 1.5 cm S.F. 2 cm		do.			
	26/11		—	do.	 3 1/2 x 2 1/4 x 2 8 9 x 5 1/2 x 3 1/2 C.H. 2 cm S.F. 1.5 cm	 3 1/2 x 2 1/4 x 2 8 9 x 5 1/2 x 3 1/2 S.F. 1.5 cm C.H. 2 cm		do. L.H.B. has large bantam egg swelling			
	3/12		—	do.	 3 1/2 x 2 1/4 x 2 8 9 x 5 1/2 x 3 1/2 C.H. 2 cm S.F. 1.5 cm	 3 1/2 x 2 1/4 x 2 7 6 x 5 1/2 x 3 1/2 C.H. 2 cm S.F. 1.5 cm		do. L.H.B. fowl egg size swelling.			
	14/12		—	do.	 4 1/2 x 3 1/2 x 2 8 9 x 7 6 x 4 1/2 C.H. 3 cm S.F. 1.5 cm	 3 1/2 x 2 1/4 x 2 7 6 x 5 1/2 x 3 1/2 C.H. 3 cm S.F. 1.5 cm		do. L.H.B. goose egg size portion in body of uterus.			Blood sent to Onderstepoort Laboratories. Positive.
	24/12		—	do.	 4 1/2 x 3 1/2 x 2 8 9 x 7 6 x 4 1/2 C.H. 3 cm S.F. 1.5 cm	 3 1/2 x 2 1/4 x 2 7 6 x 5 1/2 x 3 1/2 C.H. 3 cm S.F. 1.5 cm		do. L.H.B. grape fruit size swelling.			
	14/1/53		—	b1, BII vestibule pink, no glue like substance, rectally cervix firm.	 3 1/2 x 3 x 3 8 9 x 7 6 x 4 1/2	 3 1/2 x 2 1/4 x 2 8 9 x 6 4 x 5 1/2		Contract very firmly. Uterine horns circular turgid base of horns 2" diam. No trace of foetus.			Blood sent to Onderstepoort Laboratories on 15/1 still positive.
	22/1. Not tested.			Rectally cervix cannot be felt. Vestibule red.	 2 1/2 x 2 1/4 x 2 5 1/2 x 3 1/2 x 2 1/2	 3 1/2 x 2 1/4 x 2 8 9 x 6 4 x 5 1/2		Uterine horns empty flabby and do not contract on palpation.			
	29/1 do.			b2, Cervix red, cervical folds red and congested.	 3 x 2 x 2 7 6 x 5 1/2 x 4 1/2	 2 1/2 x 2 1/4 x 2 6 4 x 6 4 x 4 1/2		Uterine horns contract but slowly and not firmly.			Foal purging. Mare must have been on heat.

2 S.F. 1.5 cm

NAME: OLIVE GROVE.

YEAR	HEAT PERIOD		EXTERNAL HEAT	VAGINA	EXAMINATION		UTERUS	SERVICE DATE	REMARKS	FOALING DATE	GESTATION LENGTH	REMARKS
	DATE	LENGTH			LEFT.	OVARY. RIGHT.						
	12/2	do.	Vestibule red cervix indistinguishable.	5 1/2 x 4 1/2 x 3 11 x 2 1/2 x 7 1/2 G.F. 10cm	2 x 2 x 2 5 x 5 x 5 Nid	Uterine horns fairly responsive to handling.		Blood send to Onderstepoort Laboratories. Positive.				
	19/2	do.	Vestibule shiny pink. Cervix firm but fleshy.	4 x 3 x 3 5 x 3 x 2 1/2	3 1/2 x 3 x 3 8.9 x 7.6 x 7.6 G.F. 3cm tense	Uterine horns contract slowly.		Blood send to Onderstepoort. Positive.				
	27/2	Not tested	Vestibule pink cervix fleshy vulva too large, airbubbles in vestibule.	4 x 3 x 3 10.2 x 7.6 x 7.6 dangling C.H.	3 x 2 1/2 x 2 1/2 7.6 x 6.4 x 6.4 G.F. 3cm tense	Uterus flabby relaxed, does not contract on handling.		27/2 Bled and send to Onderstepoort Laboratories. Positive.				
	7/3	do.	Vestibule pale vulva contracted cervix firm.	3 x 2 x 2 7.6 x 5.1 x 3.1 dangling center	3 x 2 1/2 x 2 1/2 7.6 x 6.4 x 6.4 G.F. 4cm tense	Uterus soft, relaxed, unresponsive empty.		7/3 Bled and send to Onderstepoort Laboratories. Positive.				
	21/3	do.	Vestibule pink cervix fleshy.	2 x 1 1/2 x 1 5.1 x 3.5 x 2.5	6 x 4 x 3 11.3 x 10.2 x 7.6 G.F. 8cm Nid G.F. 4cm tense	Uterus contracts fairly firmly, base of uterine horns 2" diam uterus empty.		21/3/53 Bled and send to Onderstepoort. Lab. Report: 14/2/59 of 9/4/53.				

The test still shows some oestrogenic activity in the serum but very little gonadotrophic action. As a routine test it would be classed as suspicious or negative depending on the stage of gestation.

R. Clark,
D.V.S.(O.P.).

NO. 22. ORNAMENT II.

OWNER:

MARE : ORNAMENT II. (Imported).

BORN: 1948.

BREEDING: VATELLOR - FRAGMENT (Imported from France).

ANAMNESIS: Imported during 1952.

YEAR	HEAT PERIOD DATE	LENGTH	EXTERNAL HEAT	VAGINA	EXAMINATION LEFT. OVARY. RIGHT.	UTERUS.	SERVICE DATE	REMARKS	FOALING DATE.	GESTATION LENGTH	REMARKS	
1951	Bred in France during their breeding season and imported in foal during 1952.										21/4/52	unknown
1952	11/9-4/10	2+	11/9 +	b2, BII vestibule pink vulva relaxing	1 1/2 x 1 1/2 cm 3 x 3 x 5 cm S.F. 3 cm soft but firm Nul. hard	3/2 x 3/2 cm 5 x 7 x 6 cm S.F. 3 cm		Contracts normally on hand. ling. Base of horns 2" diam.				
			12/9 ++	c3, CIII vestibule red, slightly dry. Vulva soft, slightly swollen	do.	do.		do.				
			13/9 +++	Vestibule red. Vulva relaxed and long.	do.	do.	13/9	Satisfactory service. No semen spilt on withdrawal.				
			16/9 +++	Vestibule red. do.	do.	do.		Uterine horns responsively erectile.				
			20/9 +++	Vestibule red. do.	1 1/2 x 1 1/2 cm 3 x 3 x 5 cm	4 x 3 x 2 1/2 cm 10 x 2 x 7 x 6 cm S.F. 3.5 cm soft but firm		do.				
			26/9 +++	c3, CIII	1 1/2 x 1 1/2 cm 3 x 3 x 5 cm	4 x 3 x 2 1/2 cm 10 x 2 x 7 x 6 cm S.F. 3.5 cm fluctuating		do.				
			2/10/52 +++	Vestibule red.	do.	do.		Responsive erectile.				

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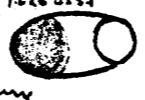
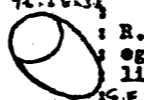
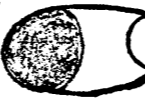
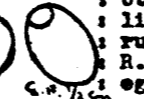

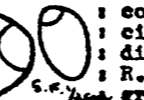

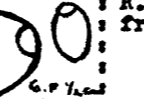

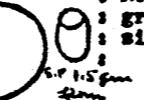

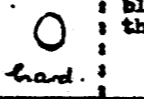
MARE: ORNAMENT II.

YEAR	HEAT PERIOD DATE	LENGTH	EXTERNAL HEAT	VAGINA	EXAMINATION LEFT. OVARY. RIGHT.	UTERUS.	SERVICE DATE.	REMARKS	FOALING DATE.	GLSTATION LENGTH.	REMARKS
			5/10/52 --	Vestibule red. c3, CIII.		do.					
			7/10/52 --	Vestibule pink		do.					
			8/10/52 --	a1, AII vestibule pale.		do.					
			9/10/52 --	a1, AII vestibule pale.		do.					
	16/10-22/10	7	16/10/52 ++	c3, CIII vestibule pink.		do.					
			17/10/52 +++	c3, CIII vestibule red.		Uterine horns relaxed but contracting on handling.	17/10/52	Insemination intras uterine as no semen found in vagina. Ovulation estimated to have occurred during early morning of 17/10/52.			
			20/10/52 +++	Vestibule red.		Uterine horns flabby.					
			21/10/52 +++	c3, CIII vestibule red.		Uterine horns flabby contracts feebly after handling.	21/10/52	Insemination intras uterine as no semen found in vagina. L.E. (Physo: stab) 2,000 units intra muscularly			

NAME: ORNAMENT II.

YEAR	HEAT PERIOD DATE	HEAT PERIOD LENGTH	EXTERNAL HEAT	VAGINA	EXAMINATION LEFT. OVARY. RIGHT.	UTERUS.	SERVICE DATE.	REMARKS	FOALING DATE	GESTATION LENGTH	REMARKS
	23/10/52	--	Vestibule paler, cervix firm through rectum.		<p>5x4x3 12x7x10-2x76 12x4x1/2 3x4x2x1/2</p> <p>C.H. 3.5cm firm</p>	Uterine horns contracting more readily on handling.		Luteinization of ruptured follicle believed to have taken place very rapidly. Estimated day of ovulation 21/10/52.			
	24/10/52	--	Cervix firm like a finger rectally; vestibule pale.		<p>4x3x3 10x2x7x6x7 12x4x1/2 3x4x2x1/2</p> <p>C.H. 3.5cm firm and apathetic</p>	Uterine horns firmly contracted and circular.					
	26/10/52	--	do.		<p>3x2x2 7x6x5x1x5 2x1x1 5x1x2x5x2</p> <p>C.H. 2cm circular</p>	do.					
	28/10/52	--	do.		<p>3x2x1/2 7x6x5x1x5 2x1x1 5x1x2x5x2</p> <p>C.H. 2cm circular</p>	do.					
	30/10/52	--	do.		<p>3x2x1/2 7x6x6x4x5 2x1x1 5x1x2x5x2</p> <p>C.H. 1cm irregular circular</p>	Uterine horns relaxed but contracting slowly on palpation.					
	2/11/52	--	do.		<p>3x2x1/2 7x6x6x4x5 2x1x1 5x1x2x5x2</p> <p>C.F. 1cm C.H. 2cm circular</p>	Uterine horns fairly flabby but contracts on handling.					
	4/11/52	--	do.		<p>3x2x1/2 7x6x5x1x5 2x1x1 5x1x2x5x2</p> <p>C.F. 2.5cm C.H. 2cm circular</p>	Uterine horns more readily contractile.					
	7/11/52	--	Vestibule pale rectally cervix like a finger.		<p>3x2x1/2 7x6x5x1x5 2x1x1 5x1x2x5x2</p> <p>C.F. 2cm C.H. 2cm circular</p>	Horns responsive erectile circular.					
	13/11/52	--	do.		<p>2x1x1 3x4x2x1/2 2x1x1 5x1x2x5x2</p> <p>C.F. 3.5cm C.H. 2cm circular</p>	Womb firm circular horns turgid					

MARE: ORNAMENT II.

YEAR	HEAT PERIOD DATE	HEAT PERIOD LENGTH	EXTERNAL BEAT	VAGINA	EXAMINATION LEFT. OVARY. RIGHT.	UTERUS.	SERVICE DATE.	REMARKS	FOALING DATE.	GESTATION LENGTH.	REMARKS
	19/11/52	—	do.	do.	<p>3.2 x 2.2 7.6 x 6.5</p>  <p>C.L. 3cm S.F. 1.5cm</p>	<p>3.2 x 2.2 7.6 x 6.5</p>  <p>C.L. 3cm S.F. 1.5cm</p>	do. R.H.B. pidgeon egg size swelling.				
	27/11/52	—	do.	do.	<p>6.2 x 4.2 10.2 x 4.2</p>  <p>C.L. 3.5cm S.F. 2.5cm</p>	<p>6.2 x 4.2 10.2 x 4.2</p>  <p>C.L. 3.5cm S.F. 2.5cm</p>	Uterine horns like sponge rubber. R.H.B. fowl egg size swelling.				
	4/12/52	—	do.	do.	<p>6.2 x 4.2 10.2 x 4.2</p>  <p>C.L. 3.5cm S.F. 1.5cm</p>	<p>6.2 x 4.2 10.2 x 4.2</p>  <p>C.L. 3.5cm S.F. 1.5cm</p>	L.H.B. firmly contracted circular 2" diam. R.H.B. small grapefruit size swelling.				
	7/12/52	—	do.	<p>Cervix pale, gush fast, abundant sticky material closing anterior vagin. so, AI.</p>	<p>6.2 x 4.2 10.2 x 4.2</p>  <p>C.L. 3.5cm S.F. 1.5cm</p>	<p>6.2 x 4.2 10.2 x 4.2</p>  <p>C.L. 3.5cm S.F. 1.5cm</p>	do. R.H.B. grapefruit size.	Blood sends to Onderstepoort Laboratories: Positive.			
	15/12/52	—	do.	<p>Rectally cervix firm, hard, finger-like. Vestibule pale.</p>	<p>6.2 x 4.2 10.2 x 4.2</p>  <p>C.L. 4.5cm S.F. 1.5cm</p>	<p>6.2 x 4.2 10.2 x 4.2</p>  <p>C.L. 4.5cm S.F. 1.5cm</p>	R.H.B. large grapefruit size swelling.				
	15/1/53	—	do.	<p>Rectally cervix firm, hard, finger-like. Vestibule pale.</p>	<p>6.2 x 4.2 10.2 x 4.2</p>  <p>hard.</p>	<p>6.2 x 4.2 10.2 x 4.2</p>  <p>hard.</p>	in abdomen bladder-like thin walled.				

NO. 23. PAVANE.

OWNER:

MARE: PAVANE. (Local Bred).

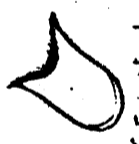





BORN: 1940.

BREEDING: SOLDIER KING - TIARELLA.

AMNESIS:	1945 - Served 28/10 - Barren	1948 - Served 20/10, 22/10 - Foaled 22/9/49	335
	1946 - " 20/10, 21/10, 23/10, - Slipped twins 5/5/47 24/10, 25/10, 26/10	1949 - " 1/10 - " 31/8/50	334
	1947 - " 15/10, 18/10 - Foaled 15/9/48		333


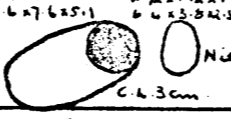
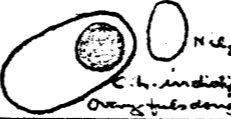
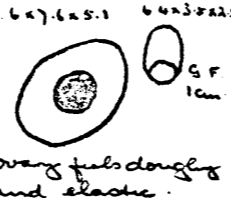
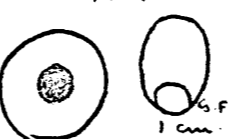
YEAR	HEAT PERIOD DATE	LENGTH	EXTERNAL HEAT	VAGINA	EXAMINATION LEPT. OVARY. RIGHT.	UTERUS.	SERVICE DATE	REMARKS	FOALING DATE	GESTATION LENGTH	REMARKS
1950	9-11/9	3					9/9/50		10/8/51	335	
1951	7-8/9	2					First heat too early in the breeding season:		Slipped on 22/4/52	208	Px. On 9 and 11/7/52 4 ounces Propamide intra-uterine (M&B) plus 500,000 units crystalline Penicillin introduced in womb on 9 and 11/7/52. On 11/7/52 Stilboestrol dipropionate injected subcutaneously in 10 mgm. dose.
	25-28/9	4					27/9/51				
1952			9/9	-	Cervix b2, BII centre vestibule pink	3x3x2" 2 1/2x1 1/2x1 1/2 7.6x7.6x5.1 cm 6.4x3.8x3.8 Ovary fluctuating N.d.	Small, symmetrical relaxed, contracts on handling. Base of womb 2" diam.				
			12/9	-	Cervix a1, BII vestibule pink.	3x3x2" 2 1/2x1 1/2x1 1/2 7.6x7.6x5.1 6.4x3.8x3.8 do. do.	do.				
			18/9	-	Cervix b2, BII vestibule pink	3x3x2" 2 1/2x1 1/2x1 1/2 7.6x7.6x5.1 6.4x3.8x3.8 S.F. 1.5cm N.d.	do.				
	20-26/9	7	22/9	⇐	cervix c3, CIII vestibule hyperaemia.	5x3x3" 2 1/2x1 1/2x1 1/2 12.7x7.6x7.6 6.4x3.8x3.8 S.F. 4cm fairly tense.	More responsive on handling. Contracting more readily.	22/9/52	Perfect service no spilling of semen after withdrawal.		
			23/9	⇐	Cervix c3, CIII Vestibule hyperaemia.	5x3x3" 2 1/2x1 1/2x1 1/2 12.7x7.6x7.6 6.4x3.8x3.8 do. do.	do.				
			24/9	⇐⇐	c3, CIII	5x3x3" 2 1/2x1 1/2x1 1/2 12.7x7.6x7.6 6.4x3.8x3.8 S.F. 6.5cm " soft: watery fluctuating.	Very responsive contracting readily on handling.				

MARE : PAVANE.

YEAR	HEAT PERIOD DATE	EXTERNAL BEAT	VAGINA.	EXAMINATION LEFT. OVARY. RIGHT.	UTERUS.	SERVICE DATE.	REMARKS	FOALING DATE	GESTATION LENGTH	REMARKS
	25/9	+++	e3, CIII	54333" 2 1/2 x 1 1/2" 6 1/2 x 1 1/2" 6 1/2 x 1 1/2" do. do.	do.	25/9/52	Insemination intra-uterine as no semen found in vagina.			
	26/9	+	e3, CIII	43333" 2 1/2 x 1 1/2" 6 1/2 x 1 1/2" 6 1/2 x 1 1/2"  G.F. ruptured. Ovary soft and fatty	Firmly contracted like sponge rubber. Feels turgid and is circular in diameter.		Rupture must have occurred early morning 26/9. Examination evening 25/9 had unruptured follicles.			
	29/9	-	b2, CII	43333" 2 1/2 x 1 1/2" 6 1/2 x 1 1/2" 6 1/2 x 1 1/2"  Ovary dense. C.h. granular, elastic, indurated	do.					
	1/10	-	b2, BII	43333" 2 1/2 x 1 1/2" 6 1/2 x 1 1/2" 6 1/2 x 1 1/2"  C.h. young soft body with irregular outline	do.					
	5/10	-	a1, BII	43333" 2 1/2 x 1 1/2" 6 1/2 x 1 1/2" 6 1/2 x 1 1/2"  C.h. finely elastic	do.					
	9/10	-	so, AII	43333" 2 1/2 x 1 1/2" 6 1/2 x 1 1/2" 6 1/2 x 1 1/2"  C.h. firm	do.					
	14/10	-	so, AI	43333" 2 1/2 x 1 1/2" 6 1/2 x 1 1/2" 6 1/2 x 1 1/2" do. do.	Firm, turgid circular.					
	17/10	-	so, AI	43333" 2 1/2 x 1 1/2" 6 1/2 x 1 1/2" 6 1/2 x 1 1/2"  C.h. 3.5cm	do.					

end

MARE: PAVANE.

YEAR	HEAT PERIOD DATE	LENGTH	EXTERNAL HEAT	VAGINA	EXAMINATION LEPT. OVARY. RIGHT.	UTERUS.	SERVICE DATE.	REMARKS	FOALING DATE.	GESTATION LENGTH.	REMARKS	
			22/10	—	ao, AI	4 1/2 x 3 x 2" 11.4 x 7.6 x 5.1 do. do.					do. Right horn base small, bantam egg size swelling.	
			30/10	—	ao, AI	4 x 3 x 2" 10.2 x 7.6 x 5.1 					do. Horns very firmly con- tracted and circular. R.H.B. hens egg size swelling.	
			5/11	—	ao, AI	3 x 3 x 2" 7.6 x 7.6 x 5.1 					do. R.H.B. Goose egg size swelling.	
			14/11	—	ao, AI	3 x 3 x 2" 7.6 x 7.6 x 5.1 					do. R.H.B. orange size swelling. Ovary feels doughy and elastic.	Blood send to Onder- stepoort Labora- tories. Positive
			30/11	—	ao, AI	3 x 3 x 2" 7.6 x 7.6 x 5.1 					do. but confined to horns. Small bag stage i.e. thin walled watery 1/6" diam. About 2/3rd in the uterine horn and about 1/3 in the body.	
			15/12	—	ao, AI	3 x 3 x 3" 7.6 x 7.6 x 7.6 					Broad ligament very taut; horns pulling down the ova- ries by the ovarian liga- ment fetus occupies R.H. and about 1/2 of body of uterus.	The uter- ine respon- siveness has disap- peared. No contract- ions or turgidity. Pregnant horn is thin walled and fluct- uates. Ute- rine arte- ries pencil size thick- ness.

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MARE: PAVANE.

YEAR	HEAT PERIOD DATE	LENGTH	EXTERNAL HEAT	VAGINA	EXAMINATION LEFT. OVARY. RIGHT.	UTERUS.	SERVICE DATE.	REMARKS	FOALING DATE	GESTATION LENGTH	REMARKS	
:	:	:	15/1/53	—	Rectally cervix firm hard project: ion. Vestibule pale.	Out of reach. Can just be touch: ed with the tips: of the fingers	:	:	:	:	:	Over pelvic brim in abdo- men.

NO. 24. PROJECT.

OWNER:

MARE : PROTECT. (Local Bred).

BORN: 1943.

BREEDING: ASBESTOS - TRIANDRA.

ANAMNESIS: Purchased during 1950.

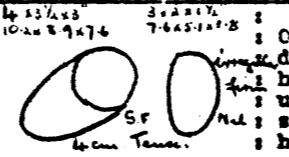
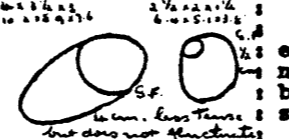
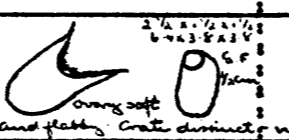
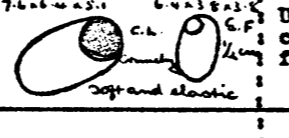
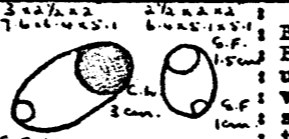
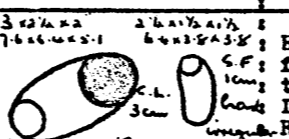
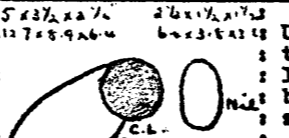
YEAR	HEAT PERIOD		EXTERNAL HEAT	VAGINA	EXAMINATION			UTERUS.	SERVICE DATE.	REMARKS	FOALING DATE	GESTATION LENGTH.	REMARKS	
	DATE	LENGTH			LEFT.	OVARY.	RIGHT.							
1950	25/10-1/11	8							26/10		18/10/50			
	17/11-22/11	6							19/11					
	10/12-16/12	7							11/12&14/12		10/11/51	331		
1951	18/11-23/11	6							18/11				9/1/51.	
	12/12-15/12	4							12/12&15/12		8/11/52	329	Modified Caslick Operation performed to prevent aerovagina.	
1952	16/11-24/11	9	16/11	+++	c3, CIII vestibule red.	4x2 1/2 x 2 1/2"	3 1/2 x 1 1/2"	Uterine horns: very big and conical, lying on pelvic floor, pulling ovaries half-way down on level in pelvic brim.						
			17/11	+++		do	do		17/11	Satisfactory.				
			18/11	+++	Rectally cervix cannot be distinguished, vestibule red.		do	do	do.					
			19/11	+++	do.		do	do	do.					
			20/11	+++	do.		do	do	do.	20/11	Satisfactory, no semen withdrawn and spilled.			

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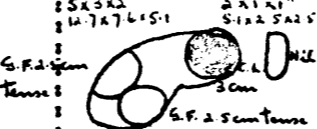
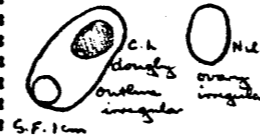
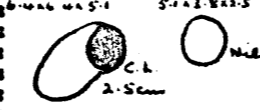
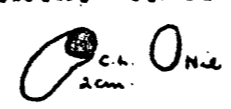
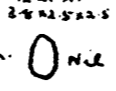
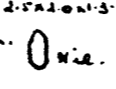
MARE: PROTECT.

YEAR	HEAT PERIOD DATE	PERIOD LENGTH	EXTERNAL HEAT	VAGINA	EXAMINATION LEFT. OVARY. RIGHT.	UTERUS.	SERVICE DATE	REMARKS	FOALING DATE	GESTATION LENGTH	REMARKS
			21/11	+++	Rectally cervix cannot be distinguished. Vestibule red.		Incomplete involution				
			22/11	+++							
			23/11	+++							
			24/11	++		3 G.F. 1cm					
			25/11	-	do.		do.	Ovulation regarded as recent during previous day i.e. 24/11/52.			
			28/11	-	Rectally cervix fleshy but firm projecting into vagina. Vestibule pink.		Womb i.e. horns lying over pelvic brim, ovaries on level with pelvic floor. Base of horns 4" contracts very slowly.				
			2/12	-	Rectally cervix projects like a finger, vestibule pale.		L.H.B. 2 1/2" diam R.H.B. 4" horns contract firmly and circularly.				
8/12-15/12		8	8/12	+	Cervix firm and fleshy 3" diam. vestibule pink.		do. Uterine horns responsive.				
			9/12	++	Cervix fleshy not fully relaxed. vestibule pink.	do. do.					
			10/12	+++	do. vestibule red.		Ovaries coming up the vertebral column	10/12	Satisfactory.		

MARE: PROTECT.

YEAR	HEAT PERIOD DATE	LENGTH	EXTERNAL HEAT	VAGINA	EXAMINATION LEFT. OVARY. RIGHT.	UTERUS.	SERVICE DATE.	REMARKS	FOALING DATE	GESTATION LENGTH	REMARKS	
	11/12	+++	Cervix fleshy, vestibule red.			Ovaries ascending already halfway up; uterus responsive, base horn 3" diam						
	12/12	+++	Outline of cervix cannot be felt. Vestibule red.			do. except uterine horns flabby by contracting slowly.						
	13/12	+++	Vestibule red		do. do.		13/12	Satisfactory, no spilling of semen.	Prolan 2,500 units intramuscularly.			
	14/12	++	Cervix still relaxed, vestibule red.			do. Ovulation regarded as very recent i.e. 14/12/52						
	15/12	+	do.			Uterine horns contracting firmly. do.						
	17/12	-	do.		do. do.	do.						
	23/12	-	Rectally cervix projects like a finger. Vestibule pale.			B.L.H. 3 1/2" B.R.H. 2 1/2" uterine horns very responsive contracting firmly.						
	31/12	-	Cervix finger-like, firm and vestibule pale.			Horns very firmly contracted. L.H.B. 2 1/2" diam R.H.B. 1 1/2" "						
	8/1	-	Cervix finger-like, firm and hard. Vestibule pale.			Uterine horns turgid, circular. B.L.H. bantam egg size swelling.						

MARE: PROTECT.

YEAR	HEAT PERIOD DATE	LENGTH	EXTERNAL HEAT	VAGINA.	EXAMINATION LEFT. OVARY. RIGHT.	UTERUS.	SERVICE DATE	REMARKS	FOALING DATE	GESTATION LENGTH	REMARKS	
	23/1	--	do.	do.	5x3x2 12x7x5 S.F. 2.5cm Tense						Uterine horns turgid circu- lar. L.H. larger than R.H.	
	29/1	--	Vestibule pink, cervix fleshy but fairly firm.		3x1 1/2 x 1 1/2 7-6 x 3-8 x 2-3 C.H. 5-6 cm 2x1 1/2 x 1 1/2 6-4 x 3-5 x 2-5 N.H. 5-6 cm ovary irregular						Uterine horns firmly contrac- ted. L.H. thicker than R.H. goose egg size. L.H.B. 2 1/2" diam R.H.B. 1 1/2" "	Blood to Onderste- poort Labo- ratories. Positive.
	5/2		Vestibule pale, cervix hard pro- jects.		2 1/2 x 1 1/2 x 1 1/2 26-40 x 2-3 C.H. 2-5 cm						Uterine horns firmly con- tracted. L.H.B. small orange.	
	12/2		do.		2 1/2 x 1 1/2 x 1 1/2 26-40 x 2-3 C.H. 2 cm						L.H.B. grape fruit size. Uterine horns lying on pel- vic brim with- out pregnancy in abdomen. Walls thin, fluc- tuates.	
	18/2		Vestibule pinkish; cervix very firm.		1 1/2 x 1 1/2 24-25 x 2-3 Out of reach.						Pregnancy over pelvic brim and not with- in reach.	
	26/2		Vestibule pale pink. Cervix very firm.		1 x 3/4 x 1/2 25-26 x 2-3 Out of reach.						do.	

OWNER:

MARE : TERAI. (Imported).

BORN: 1948.


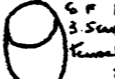
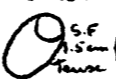
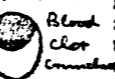
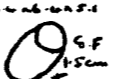
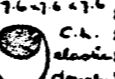

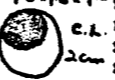
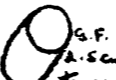
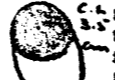
BREEDING: BIG GAME - TROPICAL SUN.

ANAMNESIS: (a) Landed in S.A. - Aug. 1951 - and sent to Mr. A. Robertson, Vlakfontein, Colesberg.

(b) 1951 - on 16-20/11/51 - served 16 & 18/11/51

3-14/12/51 " 3, 4, 7, 10 & 13/12/51.

Mr. A. Robertson: opinion is that mare was not acclimatized and not normal in her sexual behaviour and consequently failed to settle.

YEAR	HEAT PERIOD DATE	LENGTH	EXTERNAL HEAT	VAGINA	EXAMINATION LEFT. OVARY. RIGHT.	UTERUS.	SERVICE DATE.	REMARKS	FOALING DATE	GESTATION LENGTH	REMARKS
1952	12/9-17/9	6	12/9 ↔	b2, BII vestibule pink.	 G.F. 1.5cm	 3.5cm Kerns		Small, contracts slowly on handling becoming firm and hard. Base horns 1 1/2"			
			13/9 ↔								
			14/9 ↔↔↔	e3, CIII vestibule red	not examined		14/9	Satisfactory.			Insemination intra-uterine as: no semen found in the vagina.
			15/9 ↔↔↔	Vestibule red.				Follicular rupture			estimated to have occurred on 15/9/52.
			16/9 ↔	Vestibule pink.	not examined						
			17/9 *	b2, BII vestibule light pink.	 G.F. 1.5cm	 Blood clot Contracted		Small, firmly contracted, like sponge rubber, circular, turgid.			
			19/9 -	b2, BII vestibule pale pink.	 G.F. 1.5cm	 C.H. doughy		do.			
			26/9 -	a1, AII	 G.F. 1.5cm	 C.H. 2cm		do.			
			3/10 -	a1, AII	 G.F. 1.5cm	 C.H. 3.5cm		do.			

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MARE: TERAI.

YEAR	HEAT PERIOD DATE	LENGTH	EXTERNAL HEAT	VAGINA.	EXAMINATION LEFT. OVARY.	RIGHT.	UTERUS.	SERVICE DATE	REMARKS	FOALING DATE	GESTATION LENGTH	REMARKS
			22/10	—	ao, AI vestibule pale cervix projects laterally.	4x3x3 10x2x7 S.F. 3cm top but firm	3x3x2 7x6x7 C.L. S.F. acm	Turgid circu- lar firmly contracted Fowls egg size swelling at R.H.B.				
			31/10	—	ao, AI vestibule pale cervix sideways.	3x3x2 7x6x7 S.F. 1cm firm	3x3x2 7x6x7 C.L. acm	L.H. flabby womb relaxed and not re- sponsive. Thin walled.	Blood to Onderste- poort La- boratories Positive.			R.H.B. orange sim- (4") swel- ling.
			5/11	—	ao, AI	3x3x2 7x6x7 S.F. 1cm	3x3x2 7x6x7 orang doughy.	do.				R.H.B. grapefruit size (6") swelling.
			11/11	—	ao, AI	do	do	do.				R.H.B. very large grape fruit size (7").
			5/12	—	ao, AI vestibule pale in colour.	2 1/2 x 2 x 1 1/2 6 x 4 x 5-1 x 3-8 N.E. small hard. Pulled half- way down the pelvic inlet.	3 x 2 x 2 7 x 6 x 5-1 doughy cast	do. Ballooon stage 1 1/2" diam. R.H. partly on pelvic in- let, partly in abdomen.				R.H. bal- loon 1 1/2" in body in horn mesovarium taut. Uterine blood ves- sels pen- cil size thickness.

OWNER:

MARE: UNCONCERN. (Local Bred).

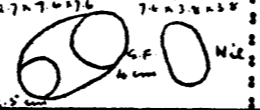

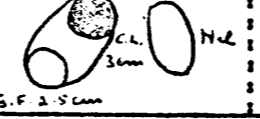

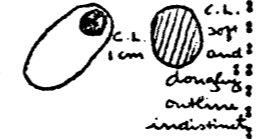

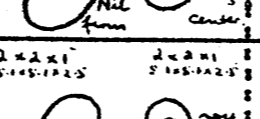

BORN: 1944.

BREEDING: ASBESTOS - INDIFFERENCE.

ANAMNESIS: Mare purchased in foal May 1951.

YEAR	HEAT PERIOD		EXTERNAL HEAT	VAGINA	EXAMINATION		UTERUS	SERVICE DATE	REMARKS	FOALING DATE	GESTATION LENGTH	REMARKS
	DATE	LENGTH			LEFT. OVARY	RIGHT.						
1950	No details of heat period									7/8/51		
1951	8-15/9/51	8						10/9/51		7/8/52	332	19/10/51. Modified Caslick Operation performed.
1952	9/9/52	1	9/9	♦	Vulva firm Vestibule pale	Not examined						
	27/9-6/10	10	29/9	♦♦	Vulva relaxing Vestibule pink Cervix firm	5x3x3 27x7x6 G.F. 4cm firm	3x1/2x1/2 7x3x3 N.D.					
			30/9	♦♦♦	Vulva relaxing Vestibule red Cervix can still be felt rectally	do. do. G.F. softer.	do.	30/9	Satisfactory.			
			3/10	♦♦♦	e3, CIII Vulva relaxed Vestibule red Cervix soft and flabby	do. do.	do.	3/10	Satisfactory insemination intra-uterine as Vagina contains no semen			
1952	21/10-27/10	7	23/10	♦♦♦	Vulva relaxed Vestibule red Cervix soft	5x3x3 27x7x6 G.F. 3.5cm	3x1/2x1/2 7x3x3 N.D.					
			26/10	♦♦♦	do. rectally: cervix indistinct: very flabby	do. do.	do.	26/10	Satisfactory.			

MARE: UNCONCERN

YEAR	HEAT PERIOD		EXTERNAL HEAT	VAGINA	EXAMINATION		UTERUS	SERVICE DATE	REMARKS	FOALING DATE	GESTATION LENGTH	REMARKS	
	DATE	LENGTH			LEFT. OVARY.	RIGHT.							
	14/11-19/11		6	16/11	+++	do.	<p>5x3.5x3 12.7x7.6x3.6</p>  <p>G.F. 2.5 cm</p>	do.	15/11	Satisfactory.			
				18/11	+++	do.	<p>Ovary soft flabby and irregular outline</p>  <p>G.F. 2.5 cm</p>	do.	18/11	Satisfactory.	Follicle ruptured and ovary feels collapsed. Ruptured early on 18/11		
				7/12	-	Vulva contracting; Vestibule pink; Rectally cervix contracted and firm.	 <p>G.F. 2.5 cm</p>	Uterus firm contracts readily and erectile round and turgid.					
				23/12	+	Vulva contracted; Rectally cervix tightly contracted and hard. Vestibule pale pink.	 <p>G.F. 2.5 cm</p>	Uterus contracts firmly; L.H. Goose egg size 1/3rd in; body 2/3rd in; horn. R.H. base 1" diam.			False heat		
1953				7/1	-	Vestibule pale, Vulva contracted and firm; cervix tightly closed and projecting.	 <p>G.F. 2.5 cm</p>	Horns flaccid; soft, contracting slowly. Outline of body indistinct containing foetus.			7/1 Blood forwarded; Onderstepoort Laboratories: Positive.		
				23/1	-	do.	 <p>G.F. 2.5 cm</p>	Foetus in body grapefruit size.					
				4/2	-	do.	 <p>G.F. 2.5 cm</p>	Foetus bladder-like 12" in diam.					
				19/2	-	do.	 <p>G.F. 2.5 cm</p>	Foetus bladderlike 15" in diam. lying over Pelvic brim.					


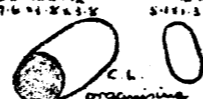
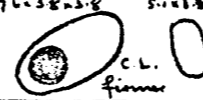
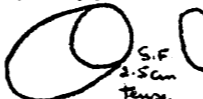
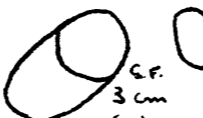
OWNER:

MARE: WYNDSONG. (Imported).

BORN: 1940.

BREEDING: WYNDHAM - MOONSONG.

ANAMNESIS: Imported during 1950 into South Africa and foaled on 30/8/50.

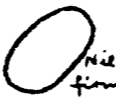

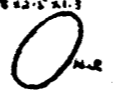
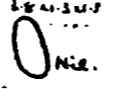
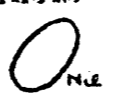
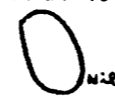
YEAR	HEAT PERIOD DATE	LENGTH	EXTERNAL HEAT	VAGINA	EXAMINATION LEFT. OVARY. RIGHT.	UTERUS.	SERVICE DATE.	REMARKS	FOALING DATE	GESTATION LENGTH	REMARKS	
1950	8/9-11/9	4					8/9		5/8/51	331		
1951	6/9-7/9	2					Not served					
	24/9-28/9	5					26/9		20/8/52	329		
1952	27/9-28/9 Type of silent heat:	2	29/9	—	c3, CIII Vestibule red, vulva firmly contracted.	3 1 1/2 x 1 1/2 2 x 1/2 x 1/2 7 1/2 x 3.5 x 3.5 cm S. 1 x 1.5 x 1.5  Ovary soft Crate distinct with blood clot	Uterine horns involved. Symmetrical medium size base horns 2 1/2" in diam.	Not served	Missed. Mare shows "heat" symptoms in the pad- dock, but refused attention of the teaser violently except when twitched	Estimated: day of rupture 28/9/52		
			30/9	—	Rectally cervix fleshy, vestibule red, vulva firm		do.					
			1/10	—	do.		do.					
			12/10-16/10	5	12/10	+	Rectally cervix When twitched: firm projects like a finger, vesti- bule pale, vulva firm.		Contract slowly and not very firm- ly.			
		14/10	↔	Twitched. Rectally cervix relaxed. Vestibule red but vulva firm.		Horns flabby do not con- tract readily:	14/10	Satisfac- tory. No semen with- drawn and spilled.				

.../

MARE: WYDSONG.

YEAR	HEAT PERIOD DATE	LENGTH	EXTERNAL HEAT	VAGINA	EXAMINATION LEFT. OVARY. RIGHT.	UTERUS.	SERVICE DATE.	REMARKS	FOALING DATE.	GESTATION LENGTH	REMARKS
	16/10		When twitched	Rectally cervix fleshy. Vestibule red, vulva closed.		Horns flabby do not contract readily		Ovulation estimated to have occurred on 15/10/52			
	17/10			Rectally cervix firmer. Vestibule pale.		do.					
	29/10			Rectally cervix fleshy, but closed. Vestibule pale.		Flabby contracting slowly.					
	2/11			al. AII Vestibule pale	do. do.	do.					
	6/11			al. AII Vestibule pale	do. do.	do.					
	13/11			al. AII Vestibule pale	do. do.	do.					
	16/11			al. AII Cervix closed and tacky. Fair amount of tacky mucous anterior vagina, vestibule pale.	do. do.	Uterine horns flabby, oval walls collapsed and can be moved against each other.		1,500 units P.M.S. (subcutaneous). 25 mgm. Progesteron intramuscularly. 1,000 c.c. saline intra-uterine			
	21/11			Cervix closed, upper fold congested, vagina pink anteriorly, Vestibule pale.	do. do.	do.					
	22/11			Rectally cervix firm and projecting, vestibule pale.	do. do.	do.		1/2 c.c. Stilboestrol dipropionate subcut. i.e. 5 mgm.			The intention was to give 1/2 c.c. every other day

MARE: WYEDSDMG.

YEAR	HEAT PERIOD DATE	LENGTH	EXTERNAL HEAT	VAGINA	EXAMINATION LEFT. OVARY. RIGHT.	UTERUS.	SERVICE DATE.	REMARKS	FOALING DATE	C-STATICH LENGTH	REMARKS
	24/11-29/11	6	25/11 +++	Cervix relaxing c3, CIII Vestibule red Vulva relaxed and soft.	 Nid firm	 Nid firm	25/11	Uterine horns contracting slowly but not firmly.			Satisfac- tory no semen withdrawn or spilled
			26/11 +++	c3, CIII Vestibule red. Vulva relaxed and soft.	do	do		Uterine horns contracting readily and firmly.			
			28/11 +++	Rectally cervix cannot be distin- guished, vesti- bule red, Vulva relaxed soft.	do	do	28/11	Relaxed, flabby, oval			Satisfac- tory, no semen withdrawn or spilled
			30/11 --	Rectally cervix fleshy, vesti- bule pink, vulva firmly contracted	do	do		do.			
			3/12 --	Rectally cervix projects like a finger, fleshy, soft, vestibule pale.	do	do		do.			
			11/12 --	do.	do.	do.		do.			
			17/12 --	do.	do.	do.		do.			
			27/12 --	do.	do.	do.		do.			
			7/1/53 --	do.	do.	do.		do.			7/1 Blood to Onder- stepoort Labora- tories. Negative.
			22/1/53 --	al, AII	 Nid	 Nid		Uterine horns flabby, do not contract on handling.			
			4/2	Rectally cervix firm and fleshy vestibule pale	 Nid	 Nid		Uterine horns flabby, soft do not con- tract on hand- ling.			

