

Report of the Medical Officer of Health on the public health and sanitary circumstances of the city and borough of Pietermaritzburg.

Contributors

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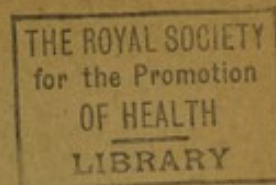
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CITY OF PIETERMARITZBURG

REPORT
OF THE
MEDICAL OFFICER
OF HEALTH

For the period
1st July to 31st December, 1953
and for the year ended
31st December 1954

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CITY OF PIETERMARITZBURG

PUBLIC HEALTH DEPARTMENT

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REPORT OF THE MEDICAL OFFICER
OF HEALTH ON THE PUBLIC HEALTH
AND SANITARY CIRCUMSTANCES OF
THE CITY OF PIETERMARITZBURG
FOR THE PERIOD 1st JULY TO
31st DECEMBER, 1953, AND FOR THE
YEAR ENDED 31st DECEMBER, 1954.

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BY

M. MAISTER, B.A., M.B., Ch.B., D.P.H.

MEDICAL OFFICER OF HEALTH.

THE ALICE BAKER

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July, 1953-December, 1954.

INTRODUCTORY

CITY OF PIETERMARITZBURG

PUBLIC HEALTH DEPARTMENT

To

His Worship the Mayor
and Members of the Council of the
City of Pietermaritzburg.

Ladies and Gentlemen,

I have the honour to present the Annual Report on the Health and Sanitary Circumstances of the City of Pietermaritzburg, for the period July 1st, 1953 to December 31st, 1954. This 18 month period is due to the instruction of the Union Health Department, that annual reports should cover the calendar year. In order not to 'lose' the Vital Statistics for the second half of 1953, it was decided to include these with the 1954 report.

There was a big improvement in the incidence of Infectious Disease (a drop of 40% on the 1952-53 figures). Unfortunately there was a severe outbreak of Poliomyelitis at the end of the year, a part of the big outbreak occurring throughout the Union.

Tuberculosis figures improved considerably and this Department's activities in this field have steadily been extended. Substantial measures to meet the housing shortage have been embarked upon by the City Council and the coming year should bring these to fruition.

I wish to express my thanks to all members of the Staff for the high level of efficiency maintained in the Department throughout the year.

In conclusion, I wish to record my appreciation of the support readily given to me at all times by the Mayor and Chairman and members of the Public Health Committee, and of the cordial co-operation of the various Municipal Heads of Departments.

I have the honour to be,

Ladies and Gentlemen,

Your obedient servant,

M. Maister

MEDICAL OFFICER OF HEALTH

THE UNIVERSITY OF CHICAGO

PHILOSOPHY DEPARTMENT

LECTURE NOTES

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THE PHILOSOPHY OF

THE UNIVERSITY OF CHICAGO

PHILOSOPHY DEPARTMENT

LECTURE 2

THE PHILOSOPHY OF

THE UNIVERSITY OF CHICAGO

PHILOSOPHY DEPARTMENT

LECTURE 3

THE PHILOSOPHY OF

THE UNIVERSITY OF CHICAGO

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CLIMATE AND RATEABLE VALUE

Latitude - 29 degrees, 36 minutes, 4 seconds south.

Longitude - 30 degrees, 22 minutes, 46 seconds east.

Altitude - At Market Square : 2,160 feet.

TEMPERATURE AND RAINFALL:

	<u>RAINFALL</u> <u>IN</u> <u>INCHES</u>	<u>ATMOSPHERIC TEMPERATURE</u>			<u>RELATIVE HUMIDITY</u>
		<u>Av. Daily</u> <u>Maximum</u> °	<u>Av. Daily</u> <u>Minimum</u> °	<u>Av. Daily</u> <u>Mean.</u> °	<u>Average Daily</u> <u>Percentage</u>
<u>1953</u>					
July	0	72.1	36.3	54.2	74.1%
August	3.30	77.1	47.6	62.3	73.5%
September	1.35	73.3	49.3	61.3	73.5%
October	3.55	79.8	57.4	68.6	74.9%
November	1.81	78.6	59.9	69.2	77.9%
December	4.67	81.8	62.3	72.0	77.9%
Total	14.68				
<u>1954</u>					
January	8.56	78.5	61.9	70.2	79.7%
February	5.00	81.4	62.8	72.1	84.8%
March	2.27	79.5	60.8	70.1	83.0%
April	1.46	76.5	54.6	65.5	85.4%
May	2.42	76.6	46.0	61.3	78.8%
June	0.18	69.2	37.0	53.1	80.7%
July	0.25	72.2	36.5	54.3	70.0%
August	0.17	75.5	42.6	59.0	70.7%
September	1.80	77.1	51.5	64.3	72.4%
October	5.46	75.7	57.2	66.4	77.7%
November	3.58	76.7	57.6	67.1	76.1%
December	1.95	83.4	60.9	72.1	72.1%
Total	33.10				

AREA OF MUNICIPALITY : 31,461.02183 acres

Value of Rateable Property : £20,717,905

Exempted Property : £ 7,918,860

RATES: General - Land - 6¹/₂d in £
Buildings - 3¹/₂d in £Water - 5¹/₂d per £

STATE OF NEW YORK

IN SENATE
 JANUARY 10, 1918
 REPORT OF THE COMMISSIONER OF THE LAND OFFICE
 CONCERNING THE LANDS BELONGING TO THE STATE

NAME OF LAND	ACRES	VALUE	REMARKS
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CITY OF PIETERMARITZBURGLEADING VITAL STATISTICSYEAR ENDING 31st DECEMBER, 1954.

(Average Rate for period 1944 - 1953 in brackets for comparison).

	<u>European</u>	<u>Native</u>	<u>Coloured</u>	<u>Asiatic</u>
* POPULATION (Estimated) at December 31st, 1954	33,530	23,336	3,968	21,500
<u>BIRTHS REGISTERED</u>	692	744	183	783
BIRTH RATE (Per 1,000 Population)	20.6 (24.4)	31.9 (20.4)	46.1 (53.0)	36.4 (56.3)
<u>ILLEGITIMATE BIRTHS</u> (Percentage of total births)	4 0.6% (1.4%)	264 35.5% (50.1%)	50 27.3% (22.3%)	35 4.5% (1.5%)
<u>DEATHS</u>	277	224	40	136
CRUDE DEATH RATE (Corrected for outward transfer)	8.3 (10.1)	9.6 (13.7)	10.1 (17.5)	6.3 (12.0)
<u>INFANTILE MORTALITY (Up to 1 Year)</u> <u>DEATHS</u>	14	96	9	35
RATE (Per 1,000 Births)	20.2 (25.6)	129.0 (207.4)	49.2 (85.6)	44.7 (48.5)
<u>DEATHS in children from</u> <u>1 - 4 years (incl.)</u>	2	39	9	14
RATE (Per 1,000 Population)	0.06 (0.2)	1.7 (2.0)	2.3 (2.0)	0.7 (1.2)
<u>PULMONARY TUBERCULOSIS</u> Code No. 015. <u>DEATHS</u>	3	6	2	5
RATE (Per 1,000 Population)	0.09 (0.23)	0.3 (1.6)	0.5 (1.7)	0.2 (1.1)
<u>TUBERCULOSIS - OTHER FORMS</u> Code Nos. 016 - 025. <u>DEATHS</u>	0	2	0	3
RATE (Per 1,000 Population)	0 (0.02)	0.1 (0.4)	0 (0.49)	0.1 (0.3)
<u>ENTERIC FEVER</u> Code No. 001. <u>DEATHS</u>	0	0	0	0
RATE (Per 1,000 Population)	0 (0.02)	0 (0.2)	0 (0.14)	0 (0.2)
<u>CANCER AND OTHER TUMOURS</u> Code Nos. 100 - 136. <u>DEATHS</u>	37	2	3	4
RATE (Per 1,000 Population)	1.1 (1.4)	0.1 (0.2)	0.8 (0.8)	0.2 (0.4)
<u>DISEASES OF THE HEART AND</u> <u>CIRCULATORY SYSTEM</u> Code Nos. 350 - 368. <u>DEATHS</u>	111	20	4	35
RATE (Per 1,000 Population)	3.3 (3.7)	0.9 (1.4)	1.0 (3.6)	1.6 (1.9)
<u>BRONCHITIS AND PNEUMONIA</u> Code Nos. 402 - 406. <u>DEATHS</u>	14	32	3	16
RATE (Per 1,000 Population)	0.42 (0.6)	1.4 (2.3)	0.8 (1.9)	0.7 (1.3)

* (Temporary visitors and the Inmates of Gaols and Hospitals are not included).

BIRTHS AND DEATHS ARE CORRECTED FOR OUTWARD TRANSFERS ONLY.

CITY OF PIETERMARITZBURGLEADING VITAL STATISTICSPERIOD JULY 1st, 1953 - DECEMBER 31st, 1953.

	European	Native	Coloured	Asiatic
* <u>BIRTHS REGISTERED</u>	327	170	82	417
<u>ILLEGITIMATE BIRTHS</u> (Percentage of total births)	0 (0)	75 (44%)	18 (22%)	10 (2.4%)
* <u>DEATHS</u>	157	104	20	70
<u>INFANTILE MORTALITY</u> (Death in Infants under 1 year of age)	8	38	5	13
<u>DEATHS in children from</u> <u>1 - 4 years of age</u>	1	19	2	3
<u>PULMONARY TUBERCULOSIS</u> <u>Code No. 015. DEATHS</u>	0	8	1	2
<u>TUBERCULOSIS - OTHER FORMS</u> <u>Code Nos. 016 - 025. DEATHS</u>	0	1	0	1
<u>ENTERIC FEVER</u> <u>Code No. 001. DEATHS</u>	0	0	0	0
<u>CANCER AND OTHER TUMORS</u> <u>Code Nos. 100 - 136. DEATHS</u>	18	1	2	2
<u>DISEASES OF THE HEART AND</u> <u>CIRCULATORY SYSTEM</u> <u>Code Nos. 350 - 368. DEATHS</u>	55	9	7	28
<u>BRONCHITIS AND PNEUMONIA</u> <u>Code Nos. 402 - 406. DEATHS</u>	6	24	3	5

* BIRTHS AND DEATHS ARE CORRECTED FOR OUTWARD TRANSFERS ONLY.

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25
26	27	28	29	30
31	32	33	34	35
36	37	38	39	40
41	42	43	44	45
46	47	48	49	50
51	52	53	54	55
56	57	58	59	60
61	62	63	64	65
66	67	68	69	70
71	72	73	74	75
76	77	78	79	80
81	82	83	84	85
86	87	88	89	90
91	92	93	94	95
96	97	98	99	100

(1) VITAL STATISTICS:POPULATION:

This is an estimate of the population as at December 31st, 1954, calculated for Vital Statistical purposes. Temporary Visitors, the inmates of the Mental Hospital and Port Napier Institution, the prisoners in the Gaols and the patients in the Hospitals and the Sanatorium are excluded. This estimate is based on the Government Census of May 8th, 1951.

	European	Native	Coloured	Asiatic	All Non-Eur.	All Races
Male	16,080	15,170	1,929	11,020	28,119	44,199
Female	17,450	8,166	2,039	10,480	20,685	38,135
PERSONS	33,530	23,336	3,968	21,500	48,804	82,334

TOTAL BIRTHS REGISTERED1. (A) RESIDENTS July 1st, 1953 - December 31st, 1953.

	Male		Female		Persons			Percentage of illeg. to all Births.
	Leg.	Illeg.	Leg.	Illeg.	Leg.	Illeg.	Total	
European	176	0	151	0	327	0	327	0
Native	42	36	53	39	95	75	170	44%
Coloured	41	10	23	8	64	18	82	22%
Asiatic	214	7	193	3	407	10	417	2.4%
All Non-Eur.	297	53	269	50	566	103	669	15.3%
All Races	473	53	420	50	893	103	996	10.4%

(B) RESIDENTS January 1st, 1954 - December 31st, 1954.

	Male		Female		Persons			Percentage of illeg. to all Births.	Birth Rate per 1,000 Populn.
	Leg.	Illeg.	Leg.	Illeg.	Leg.	Illeg.	Total		
European	335	2	353	2	688	4	692	0.6%	20.6
Native	226	137	254	127	480	264	744	35%	31.9
Coloured	68	26	65	24	133	50	183	27%	46.1
Asiatic	379	15	369	20	748	35	783	4%	36.4
All Non-Eur.	673	178	688	171	1361	349	1710	20%	35.0
All Races	1008	180	1041	173	2049	353	2402	15%	29.2

2. (A) NON-RESIDENTS July 1st, 1953 - December 31st, 1953.

	Male		Female		Persons			Percentage of Illegitimate to All Births
	Leg.	Illeg.	Leg.	Illeg.	Leg.	Illeg.	Total	
European	62	1	72	1	134	2	136	1.5%
Native	554	407	554	356	1108	763	1871	40.8%
Coloured	4	7	4	4	8	11	19	58%
Asiatic	8	1	9	2	17	3	20	15%
All Non-Eur.	566	415	567	362	1133	777	1910	40.7%
All Races	628	416	639	363	1267	779	2046	38%

(B) NON-RESIDENTS/

(B) NON-RESIDENTS

January 1st, 1954 - December 31st, 1954.

	Male		Female		Persons			Percentage of Illegitimate to All Births
	Leg.	Illeg.	Leg.	Illeg.	Leg.	Illeg.	Total	
European	155	-	152	-	307	-	307	-
Native	211	134	201	134	412	268	680	39%
Coloured	2	3	6	3	8	6	14	43%
Asiatic	4	1	5	-	9	1	10	10%
All Non-Eur.	217	138	212	137	429	275	704	39%
All Races	372	138	364	137	736	275	1011	27%

The European and Coloured Birth Rates dropped a little, and the Asiatic Rate showed a small increase.

No. of specimens		Date		Locality		Collector	
1	100	1901	10	100	100	100	100
2	100	1901	10	100	100	100	100
3	100	1901	10	100	100	100	100
4	100	1901	10	100	100	100	100
5	100	1901	10	100	100	100	100
6	100	1901	10	100	100	100	100
7	100	1901	10	100	100	100	100
8	100	1901	10	100	100	100	100
9	100	1901	10	100	100	100	100
10	100	1901	10	100	100	100	100

DEATHSTOTAL DEATHS REGISTEREDA. (1) RESIDENTS - July 1st, 1953 - December 31st, 1953.

	Male	Female	Persons
European	86	71	157
Native	67	37	104
Coloured	11	9	20
Asiatic	49	21	70
ALL NON-EUR.	127	67	194
ALL RACES	213	138	351

(2) RESIDENTS - January 1st, 1954 - December 31st, 1954.

	Male		Female		Persons	
	Deaths	Rate per 1,000 Male Population	Deaths	Rate per 1,000 Female Population	Deaths	Death Rate (Per 1,000 Population)
European	166	10.3	111	6.4	277	8.3
Native	120	7.9	104	12.8	224	9.6
Coloured	23	11.9	17	8.3	40	10.1
Asiatic	77	7.0	59	5.6	136	6.3
ALL NON-EUR.	220	7.8	180	8.7	400	8.2
ALL RACES	386	8.7	291	7.6	677	8.2

B. (1) NON-RESIDENT - July 1st, 1953 - December 31st, 1953.

European	:	83
Native	:	470
Coloured	:	8
Asiatic	:	18
All Non-Eur.	:	496
All Races	:	584

(2) NON-RESIDENT - January 1st, 1954 - December 31st, 1954.

European	:	130
Native	:	290
Coloured	:	15
Asiatic	:	29
All Non-Eur.	:	344
All Races	:	464

DEATHS (Pages 7-10).

All death rates showed an improvement this year.

The death rate for all races was 8.2 as compared with 9.0 last year.

The following figures indicate the percentage of deaths occurring below the age of 45 in the various races:-

European/

Year	Month	Day	Time
1901	Jan	1	10:00
1901	Jan	2	10:00
1901	Jan	3	10:00
1901	Jan	4	10:00
1901	Jan	5	10:00
1901	Jan	6	10:00

Year	Month	Day	Time	Location	Remarks
1901	Jan	1	10:00	10:00	10:00
1901	Jan	2	10:00	10:00	10:00
1901	Jan	3	10:00	10:00	10:00
1901	Jan	4	10:00	10:00	10:00
1901	Jan	5	10:00	10:00	10:00
1901	Jan	6	10:00	10:00	10:00

European	:	13%	(17% last year)
Native	:	73%	(77% last year)
Coloured	:	57%	(52% last year)
Asiatic	:	57%	(50% last year)
All Non-European	:	66%	(65% last year)

These figures once again show how much better the expectation of life is for Europeans than for Non-Europeans. The table on page 10 also indicates that Cardiac and Circulatory disease far outweighs all other causes of death among Europeans. Among Non-Europeans, respiratory disease, heart disease, bowel infections and diseases of infancy are the commonest causes of death.

DEATHS AND DEATH RATES (PER 1,000 POPULATION) : VARIOUS CAUSES.
ABRIDGED LIST. (5th Decennial Revision of International List).

RESIDENTS ONLY (January 1st, 1954 - December 31st, 1954).

	European		Native		Coloured		Asiatic		All Non-Europeans		All Races	
1. Typhoid Fever	-	-	-	-	-	-	-	-	-	-	-	-
2. Plague	-	-	-	-	-	-	-	-	-	-	-	-
3. Meningococcal C.S. Meningitis	1	0.03	-	-	1	0.25	-	-	1	0.02	2	0.02
4. Scarlet Fever	-	-	-	-	-	-	-	-	-	-	-	-
5. Whooping Cough	-	-	2	0.09	1	0.25	-	-	3	0.06	3	0.04
6. Diphtheria	-	-	1	0.04	-	-	2	0.09	3	0.06	3	0.04
7. Pulmonary Tuberculosis	3	0.09	6	0.26	2	0.50	5	0.23	13	0.27	16	0.19
8. T.B. - Non-Pulmonary	-	-	2	0.09	-	-	3	0.14	5	0.10	5	0.06
9. Leprosy	-	-	-	-	-	-	-	-	-	-	-	-
10. Malaria	-	-	-	-	-	-	-	-	-	-	-	-
11. Syphilis (all forms)	-	-	1	0.04	-	-	-	-	1	0.02	1	0.01
12. Influenza	2	0.06	1	0.04	-	-	-	-	1	0.02	3	0.04
13. Smallpox	-	-	-	-	-	-	-	-	-	-	-	-
14. Measles	-	-	-	-	-	-	-	-	-	-	-	-
15. Typhus Fever	-	-	-	-	-	-	-	-	-	-	-	-
16. Cancer	37	1.1	2	0.09	3	0.76	4	0.19	9	0.18	46	0.56
17. Diabetes	5	0.15	1	0.04	-	-	3	0.14	4	0.08	9	0.11
18. Cerebral Haem., etc.	30	0.89	3	0.13	3	0.76	13	0.60	19	0.39	49	0.60
19. Cardiac Disease	92	2.74	19	0.81	4	1.01	31	1.44	54	1.10	146	1.77
20. Other Dis. of Circulatory System	19	0.57	2	0.09	-	-	4	0.19	6	0.12	25	0.30
21. Bronchitis and Pneumonia	14	0.42	32	1.37	3	0.76	16	0.74	51	1.04	65	0.79
22. Miner's Phthisis without T.B.	-	-	-	-	-	-	-	-	-	-	-	-
23. Miner's Phthisis with T.B.	-	-	-	-	-	-	-	-	-	-	-	-
24. Other Respiratory Diseases	8	0.24	6	0.26	-	-	3	0.14	9	0.18	17	0.21
25. Ulcer of Stomach and Duodenum	1	0.09	-	-	-	-	-	-	-	-	1	0.01
26. Diarrhoea and Enteritis (Under 2 years)	3	0.16	42	1.80	8	2.02	12	0.56	62	1.27	65	0.79
27. Appendicitis	1	0.03	1	0.04	1	0.25	-	-	2	0.04	3	0.04
28. Diseases of Liver and Biliary Passage	5	0.15	4	0.17	-	-	-	-	4	0.08	9	0.11
29. Nephritis	7	0.21	4	0.17	-	-	5	0.23	9	0.18	16	0.19
30. Puerperal Sepsis	-	-	-	-	-	-	-	-	-	-	-	-
31. Diseases of Pregnancy, etc.	-	-	-	-	-	-	2	0.09	2	0.04	2	0.02
32. Congenital malformations and Diseases of Early Infancy	6	0.38	23	0.99	1	0.25	8	0.37	32	0.66	38	0.46
33. Suicide	1	0.03	1	0.04	-	-	-	-	1	0.02	2	0.02
34. Other Violent Deaths	6	0.17	9	0.39	2	0.50	5	0.23	16	0.33	22	0.27
35. Other Defined Causes	24	0.72	30	1.29	10	2.52	17	0.79	57	1.17	81	0.98
36. Causes ill-defined	12	0.36	32	1.37	1	0.25	3	0.14	36	0.74	48	0.58
TOTAL :	277	8.26	224	9.60	40	10.08	136	6.32	400	8.26	677	8.22

SEASONAL OCCURRENCE OF DEATHSAMONG RESIDENTS

July 1st, 1953 - December 31st, 1954.

	European			Native			Coloured			Asiatic			All Non-Eur.		
	M	F	P	M	F	P	M	F	P	M	F	P	M	F	P
July, 1953	16	18	34	13	8	21	-	2	2	9	2	11	22	12	34
August	17	15	32	3	-	3	3	3	6	10	6	16	16	9	25
September	16	11	27	8	2	10	1	1	2	10	2	12	19	5	24
October	19	8	27	11	7	18	1	1	2	9	4	13	21	12	33
November	10	13	23	13	13	26	1	-	1	7	4	11	21	17	38
December	9	6	15	19	7	26	5	2	7	4	3	7	28	12	40
TOTAL :	87	71	158	67	37	104	11	9	20	49	21	70	127	67	194
January, 1954	11	7	18	9	6	15	-	1	1	9	8	17	18	15	33
February	8	6	14	9	6	15	4	1	5	5	5	10	18	12	30
March	9	7	16	10	15	25	4	3	7	1	2	3	15	20	35
April	19	7	26	9	14	23	2	1	3	8	7	15	19	22	41
May	19	8	27	7	10	17	2	2	4	5	2	7	14	14	28
June	19	9	28	11	8	19	1	3	4	15	10	25	27	21	48
July	15	13	28	6	6	12	1	1	2	7	1	8	14	8	22
August	23	9	32	9	4	13	1	2	3	2	3	5	12	9	21
September	18	15	33	9	11	20	1	1	2	7	2	9	17	14	31
October	5	6	11	8	3	11	-	1	1	5	4	9	13	8	21
November	11	11	22	24	9	33	3	1	4	8	11	19	35	21	56
December	9	13	22	9	12	21	4	-	4	5	4	9	18	16	34
TOTAL :	166	111	277	120	104	224	23	17	40	77	59	136	220	180	400

DEATHS OF RESIDENTS GIVEN IN AGEGROUPS

July 1st, 1953 - December 31st, 1953.

	European			Native			Coloured			Asiatic			All Non-Eur.		
	M	F	P	M	F	P	M	F	P	M	F	P	M	F	P
Under 1 yr.	4	4	8	26	12	38	4	1	5	8	5	13	38	18	56
1 - 2 yrs.	0	0	0	5	6	11	0	2	2	1	0	1	6	8	14
2 - 4 yrs.	1	0	1	4	4	8	0	0	0	2	0	2	6	4	10
5 - 14 yrs.	1	0	1	1	0	1	0	0	0	2	2	4	3	2	5
15 - 24 yrs.	1	3	4	3	3	6	0	0	0	0	0	0	3	3	6
25 - 34 yrs.	3	0	3	5	2	7	0	0	0	4	0	4	9	2	11
35 - 44 yrs.	5	5	10	6	1	7	0	1	1	2	5	7	8	7	15
45 - 54 yrs.	10	7	17	8	3	11	2	2	4	4	2	6	14	7	21
55 - 64 yrs.	20	5	25	7	2	9	3	0	3	10	3	13	20	5	25
65 - 74 yrs.	15	19	34	2	1	3	1	3	4	6	2	8	9	6	15
75 and Over	27	28	55	0	3	3	1	0	1	10	2	12	11	5	16
TOTAL :	87	71	158	67	37	104	11	9	20	49	21	70	127	67	194

January 1st, 1954 - December 31st, 1954.

	European			Native			Coloured			Asiatic			All Non-Eur.		
	M	F	P	M	F	P	M	F	P	M	F	P	M	F	P
Under 1 yr.	11	3	14	50	46	96	5	4	9	22	13	35	77	63	140
1 - 2 yrs.	0	0	0	17	12	29	3	5	8	3	4	7	23	21	44
2 - 4 yrs.	0	2	2	4	6	10	0	1	1	3	4	7	7	11	18
5 - 14 yrs.	2	0	2	2	1	3	0	0	0	1	2	3	3	3	6
15 - 24 yrs.	3	0	3	4	2	6	1	0	1	3	5	8	8	7	15
25 - 34 yrs.	3	0	3	2	6	8	1	0	1	1	6	7	4	12	16
35 - 44 yrs.	11	2	13	6	6	12	2	1	3	6	5	11	14	12	26
45 - 54 yrs.	19	9	28	12	10	22	3	0	3	11	5	16	26	15	41
55 - 64 yrs.	29	19	48	8	5	13	4	2	6	8	2	10	20	9	29
65 - 74 yrs.	31	27	58	7	5	12	2	1	3	7	7	14	16	13	29
75 and Over	57	49	106	8	5	13	2	3	5	12	6	18	22	14	36
TOTAL :	166	111	277	120	104	224	23	17	40	77	59	136	220	180	400

(1) Vital Statistics Cont'd.SUMMARY OF CAUSES OF DEATH

(Classified into groups and expressed as Percentage of all deaths).

RESIDENTS ONLY

January 1st, 1954 - December 31st, 1954).

	European	Native	Coloured	Asiatic
Acute Exanthemata	1 : 0.4%	0 : 0	1 : 2.5%	0 : 0
Tuberculosis (all forms)	3 : 1.1%	8 : 3.6%	2 : 5%	8 : 5.9%
Syphilis	0 : 0	1 : 0.4%	0 : 0	0 : 0
Other Parasitic and Infectious Diseases	2 : 0.7%	9 : 4.0%	2 : 5%	3 : 2.2%
Cancer	37 : 13.4%	2 : 0.9%	3 : 7.5%	4 : 2.9%
Diabetes	5 : 1.8%	1 : 0.4%	0 : 0	3 : 2.2%
Cerebral Haemorrhage Thrombosis and Embolism	30 : 10.8%	3 : 1.3%	3 : 7.5%	12 : 8.8%
Cardiac Diseases and Other Diseases of Circulatory System	111 : 40.1%	21 : 9.4%	4 : 10%	35 : 25.7%
Respiratory Diseases (non-tuberculous)	22 : 7.9%	38 : 17.0%	3 : 7.5%	19 : 14.0%
Enteritis and Diarrhoea (under 2 years)	4 : 1.4%	42 : 18.7%	8 : 20%	12 : 8.8%
Other Diseases of Digestive System	12 : 4.3%	10 : 4.5%	3 : 7.5%	3 : 2.2%
Nephritis	7 : 2.5%	4 : 1.8%	0 : 0	5 : 3.7%
Congenital Malformations	0 : 0	0 : 0	0 : 0	2 : 1.5%
Diseases Peculiar to First Year of Life	6 : 2.2%	23 : 10.3%	1 : 2.5%	6 : 4.4%
Senility	8 : 2.9%	4 : 1.8%	1 : 2.5%	6 : 4.4%
Deaths from Violence	7 : 2.5%	10 : 4.5%	2 : 5%	5 : 3.7%
Other Causes	8.0%	21.4%	17.5%	9.6%
TOTAL DEATHS :	277 :	224 :	40 :	136 :

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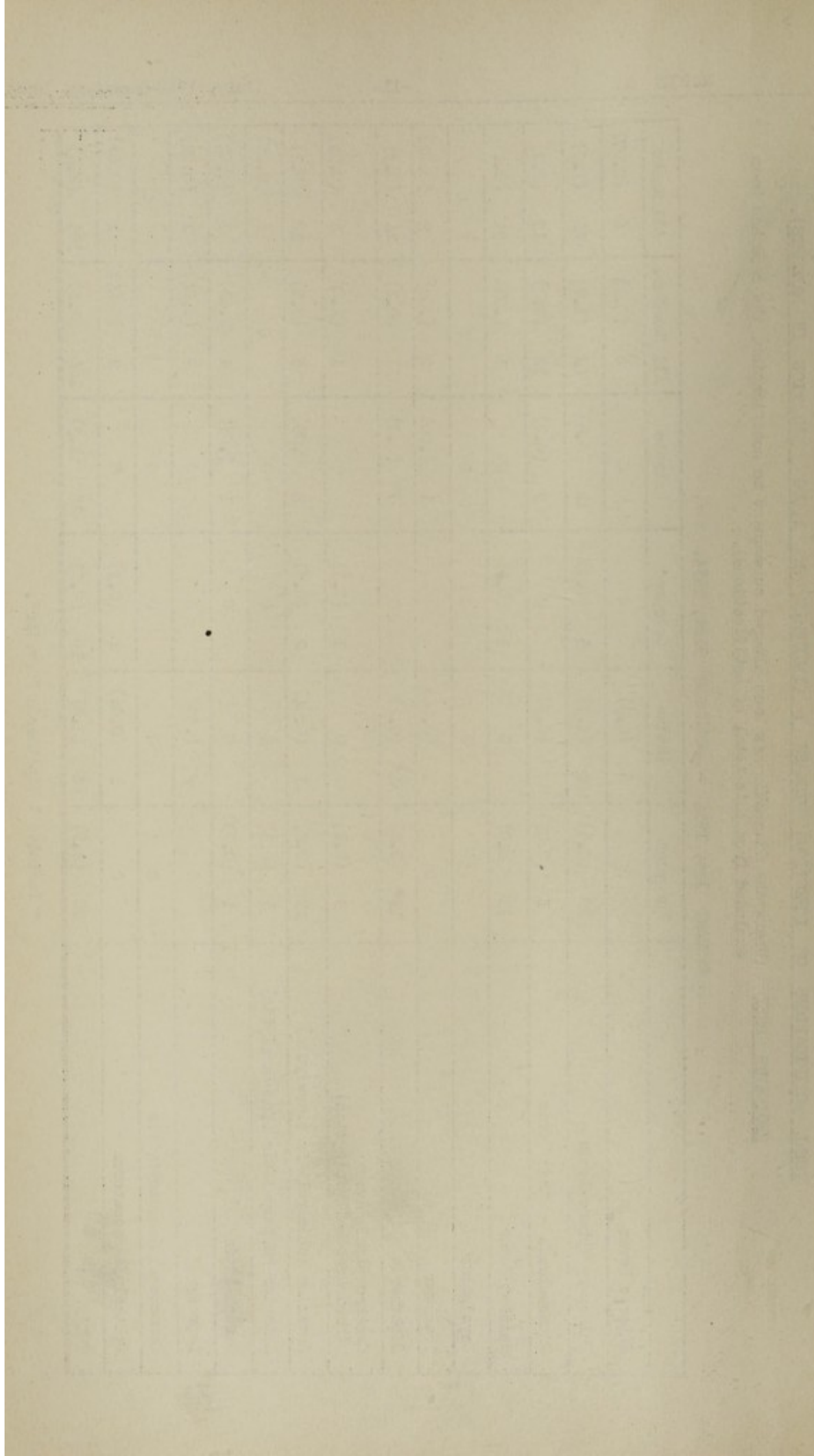
TOTAL NOTIFICATIONS OF INFECTIOUS DISEASE : (INCIDENCE PER 1,000 POPULATION IN BRACKETS).

RESIDENTS ONLY (Where the diagnosis has been altered subsequent to notification, the case has been excluded from this total of notifications).

JANUARY 1st, 1954 - DECEMBER 31st, 1954.

	European	Native	Coloured	Asiatic	All Non-Eur.	All Races
Enteric Fever	0	6 (0.3)	0	0	6 (0.1)	6 (0.07)
Pulmonary Tuberculosis	20 (0.6)	44 (1.9)	5 (1.3)	12 (0.6)	61 (1.2)	81 (1.0)
Tuberculosis - Other Forms	1 (0.03)	7 (0.3)	0	5 (0.2)	12 (0.2)	13 (0.2)
Scarlet Fever	33 (1.0)	0	1 (0.3)	0	1 (0.02)	34 (0.4)
Erysipelas	0	0	0	0	0	0
Trachoma	0	1 (0.04)	0	1 (0.05)	2 (0.04)	2 (0.02)
Diphtheria	13* (0.4)	4* (0.2)	0	7* (0.3)	11 (0.2)	24 (0.3)
Cerebrospinal Fever (Meningococcal Meningitis)	3 (0.1)	0	1 (0.3)	0	1 (1.02)	4 (0.05)
Anterior Poliomyelitis (Paralytic)	13 (0.4)	1 (0.04)	2 (0.5)	2 (0.09)	5 (0.1)	18 (0.2)
Anterior Poliomyelitis (Non-Paralytic)	6 (0.2)	0	0	0	0	6 (0.07)
Encephalitis	1 (0.03)	0	0	1 (0.05)	1 (0.02)	2 (0.02)
Leprosy	0	2 (0.09)	0	0	2 (0.04)	2 (0.02)
Gonococcal Conjunctivitis	0	0	0	0	0	0
Ophthalmia Neonatorum	0	1 (0.04)	1 (0.3)	0	2 (0.04)	2 (0.02)
TOTAL :	90 (2.7)	66 (2.8)	10 (2.5)	28 (1.3)	104 (2.1)	194 (2.4)

* Includes 1 Diphtheria "Carrier".



TOTAL NOTIFICATIONS OF INFECTIOUS DISEASE

RESIDENTS ONLY (Where the diagnosis has been altered subsequent to notification, the case has been excluded from this total of notifications).

JULY 1st, 1953 - DECEMBER 31st, 1953.

	European	Native	Coloured	Asiatic	All Non-Eur.	All Races
Enteric Fever	3	0	0	0	0	3
Pulmonary Tuberculosis	9	45	5	20	70	79
Tuberculosis - Other Forms	2	1	0	4	5	7
Scarlet Fever	18	0	0	0	0	18
Erysipelas	1	0	0	0	0	1
Diphtheria	1	4	0	1	5	6
Cerebrospinal Fever (Meningococcal Meningitis)	1	1	0	1	2	3
Anterior Poliomyelitis (Paralytic)	0	0	0	0	0	0
Anterior Poliomyelitis (Non-Paralytic)	0	0	0	0	0	0
Leprosy	0	1	0	0	1	1
Ophthalmia Neonatorum	0	1	0	0	1	1
TOTAL :	35	53	5	26	84	119

(2) INFECTIOUS DISEASE

There were 194 notifications of infectious disease in 1954.
(See page 11).

ISOLATION HOSPITAL (EUROPEAN INFECTIOUS DISEASE) (Page 61).

Altogether 117 patients were admitted during the year 1954, 90 Borough and 27 Out-of-Borough. Figures for previous years were :-

July-December, 1953 : 90; 1951-1952 : 222; 1950-1951 : 204; 1949-1950 : 247;
1948-1949 : 229; 1947-1948 : 189; 1946-1947 : 170; 1945-1946 : 193; 1944-1945 : 159;
1943-1944 : 318; 1942-1943 : 334; 1941-1942 : 259; 1940-1941 : 405; 1939-1940 : 307;
1938-1939 : 216; 1937-1938 : 215.

Cases of Tuberculosis, Puerperal Sepsis and Typhoid Fever, are provided for usually at Grey's Hospital - the Provincial General Hospital - and King George V-Springfield and Wentworth Hospitals for Tuberculosis in Durban. Europeans needing hospitalisation for Venereal Disease are sent by arrangement to Wentworth Hospital, Durban. Cases of Anterior Poliomyelitis are now admitted to the Isolation Hospital for the first 3 weeks (the presumably infectious period) of their illness, and then transferred to the General Hospital or direct to the Uplands Orthopaedic Home, for further treatment in the case of Europeans, or to the General Hospital Wards or Out-Patient Departments in the case of Non-Europeans. Bulbar and Encephalitic forms requiring respirator treatment are admitted to Grey's Hospital.

NON-EUROPEAN INFECTIOUS DISEASES HOSPITAL (Page 61).

Admissions during 1954 totalled 256, 78 Borough and 178 Out-of-Borough cases. Admissions since the opening of this hospital have been as follows:-

July-December, 1953 : 130; 1951-1952 : 223; 1950-1951 : 304; 1949-1950 : 442;
1948-1949 : 308; 1947-1948 : 304; 1946-1947 : 305; 1945-1946 : 238; 1944-1945 : 332;
1943-1944 : 344; 1942-1943 : 252.

INFECTIOUS DISEASES HOSPITALISATION.

The City Council's scheme of expansion of its Infectious Diseases Hospitals which has been submitted to Pretoria, and approved in principle as far back as 1950, is still the subject of negotiation with the Union Department of Health, and is still awaiting final approval (exactly as reported 18 months ago).

- 1) The proposed new Non-European V.D. Hospital which was reduced from 120 beds to 60 beds, due to the drop in Hospital patient numbers, following upon the use of Penicillin as a routine treatment, was further reduced to a total of 40 beds and has now been refused completely.
- 2) The Formidable Epidemic Diseases Hospital has been disapproved and the Union Health Department has agreed that European cases of Formidable Epidemic Disease will be transferred to the Quarantine Station at Fynnlands, while the Venereal Diseases Hospital will have to be cleared for Formidable Epidemic Diseases patients when necessary.
- 3) The additional 24 beds for Tuberculosis are approved in principle.
- 4) The additional 2 bed ward at the European Isolation is approved in principle.
- 5) Additional accommodation at the Nurses Home is approved in principle.
- 6) The provision of sewerage at the Non-European Hospital is approved in principle.
- 7) As the Formidable Epidemic Diseases Hospital is not approved, the Council's proposal to use this hospital as an extension of the Non-European Infectious Diseases Wards until such time as required for Formidable Epidemic Diseases must fall away.

AMBULANCE.

The following figures have been furnished by the courtesy of the City Engineer:-

- 1) Total/

THE HISTORY OF THE UNITED STATES OF AMERICA

The history of the United States of America is a story of growth and development. It begins with the first settlers who came to the continent in search of a new home. They found a land of vast resources and potential, but also one of many challenges. The early years were marked by conflict and struggle, as the settlers fought to establish a new society. Over time, the United States grew in size and power, becoming a major force in the world. The story of the United States is a story of resilience and achievement, of a people who have overcome many obstacles to build a great nation.

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	July-December, 1953	1954
1) Total number of cases removed :	2,916	4,420
2) Infectious cases removed :	395	886

LABORATORY WORK.

Laboratory work done by the Pathologist, Dr. D.G. Cowie:-

	July-Dec., 1953.	1954.
Swabs for Diphtheria Bacilli	41	179
Swabs for Haemolytic Streptococci	66	98
Smears and swabs for Gonococcus, organisms, etc.	0	2
Cerebro-Spinal Fluids	6	42
Blood (Sugar and other examinations)	2	1
Blood (Counts, Smears)	3	4
Cough Plates	2	7
Stools (Parasites, T.B., etc.)	6	17
Urines (Chemical, microscopic, diastatic index, etc.)..	12	19
Milk - for Bacterial Count	95	178
Milk - Phosphatase Tests	50	197
TOTAL:	283	744

Work done in Departmental Laboratory:-

	July-Dec., 1953.	1954.
No. of Mosquito larvae examined :	335	3,435
No. of Mosquito adults examined :	9	10
No. of Snails examined :	1,268	1,857
No. of Physopsis identified :	35	91

NOTIFIABLE INFECTIOUS DISEASE.

- (a) ANTHRAX. No cases notified.
- (b) SMALLPOX. No cases were reported this year.

VACCINATION.

Unvaccinated or inadequately vaccinated Natives registering at the Municipal Pass Office are vaccinated when they are medically examined. (See page 26).

In addition, since the Smallpox Epidemic of 1944, vaccination of infants (all races) has been carried out at the Municipal Infant Welfare Clinics, and adults applying to the Public Health Department are also vaccinated. This service serves to supplement the free service available to the public through the Public Vaccination carried out by the District Surgeon.

The Registrar of Vaccination has supplied the following figures of total vaccinations in Pietermaritzburg, reported to the Registrar of Vaccination.

	July-Dec., 1953.	1954.
Successful Vaccinations (under 2)	207	283
Successful Vaccinations (over 2)	19	17
Insusceptible to Vaccination (under 2)	5	5
Exempted from Vaccination	0	1

The number of vaccinations carried out by this Department at its Clinics during this period was:-

July 1st, - Dec. 31st, 1953: 693 (Eur. 182; Nat. 52; Col. 90; As. 369).

Jan. 1st - Dec. 31st, 1954: 1,300 (Eur. 331; Nat. 249; Col. 140; As. 580).

(c) DIPHTHERIA...../

(c) DIPHTHERIA.

The total number of cases notified in 1954 was 24 as compared with 26 for July, 1952 - June, 1953, and 1 Native and 2 Asiatics died from this disease. One of these Asiatic deaths occurred in a non-immunised child, but no information could be obtained as to whether the other children had been immunised or not.

The immunisation history in 32 definite cases (confirmed by Virulence tests) admitted to our hospitals from July 1st, 1953 - December 31st, 1954, was as follows:-

Immunised	Non-Immunised
Total cases : 3 (2 Eur.; 1 Non-Eur.)	Total cases : 29 (5 Eur.; 24 Non-Eur.)
Deaths : 1 (Non-European)	Deaths : 8 (All Non-European)

1,764 Immunisation courses against Diphtheria were completed at the Infant Clinic Sessions from July 1st, 1953 - December 31st, 1954. (Eur. 660; Nat. 154; Col. 252; Asiatics 698).

In addition, the following pre-inoculation and post-inoculation Schick tests were performed. Most of the pre-inoculation Schick tests are done in older children who apply for immunisation, so as to spare them the possibility of unnecessary reaction.

Race	Pre-Inoculation Schick Tests	No. Positive	Post-Inoculation Schick Tests	No. Positive
European	87	7 (8%)	126	3 (2.4%)
Native	-	-	-	-
Coloured	-	-	-	-
Asiatic	-	-	-	-

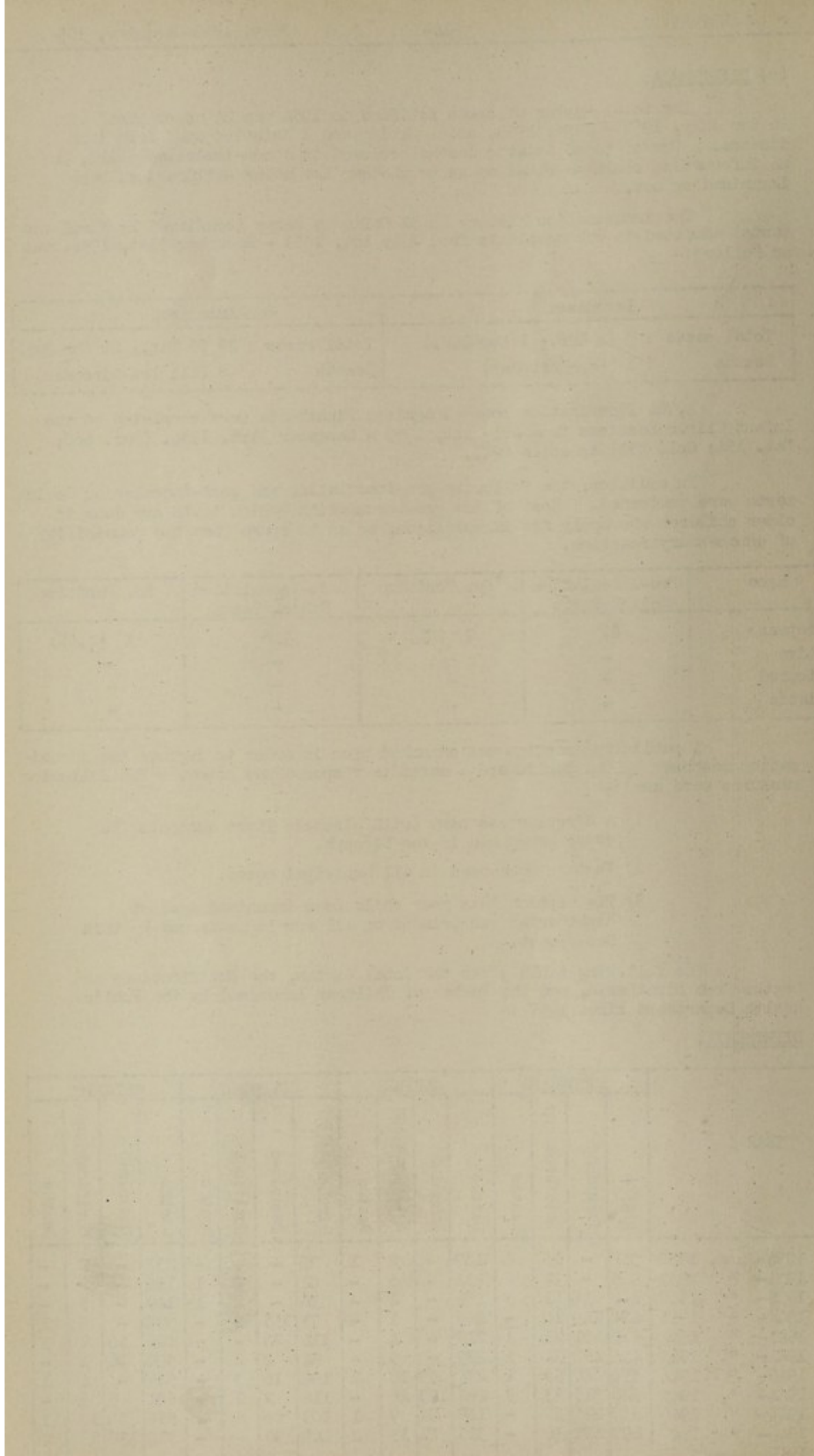
A publicity campaign was embarked upon in order to improve the immunisation response by the public and a definite response was noted. The following measures were used:-

- 1) A circular was sent (with electric light accounts) to every household in the Borough.
- 2) Posters were used in all Municipal buses.
- 3) The caption "Has your child been immunised against Diphtheria" was printed on all envelopes issued by this Department.

The following table gives the Total Births, the Notifications and Deaths from Diphtheria, and the Number of Children Immunised by the Public Health Department since 1937 :-

DIPHTHERIA.

[illegible]



DIPHTHERIA Cont'd.

YEAR	EUROPEANS				NATIVES				COLOURED				ASIATICS			
	Births	Immunised	Notifications	Deaths	Births	Immunised	Notifications	Deaths	Births	Immunised	Notifications	Deaths	Births	Immunised	Notifications	Deaths
ly, 1947-June, 1948	704	275	10	1	303	118	4	1	133	120	5	2	704	261	14	2
1948- " 1949	703	672	43	4	279	134	7	2	116	125	2	1	670	393	10	3
1949- " 1950	669	520	21	4	263	102	34	6	109	106	6	1	669	391	5	-
1950- " 1951	636	272	13	-	272	88	41	3	165	140	7	1	840	366	8	1
1951- " 1952	682	262	12	1	326	67	2	1	163	152	2	-	717	435	-	-
1952- " 1953	702	221	16	2	248	53	5	-	187	74	1	-	639	369	4	-
n., 1954-Dec., 1954	1,019	660	14	-	914	154	8	2	265	252	-	-	1,200	698	8	2

No figures are available of the number of persons immunised by private practitioners, but it is believed that a considerable number of European children are now being immunised by private practitioners.

(d) SCARLET FEVER.

34 Cases were notified as compared with 29 cases last year. The disease continued to be mild. The use of Penicillin in the treatment of Scarlet Fever has enabled us to permit children to return to school after 2 weeks quarantine as throat swabs generally confirm the rapid disappearance of Haemolytic Streptococci under this form of treatment. No "return cases" have yet been encountered in our experience with this procedure.

(e) CEREBRO-SPINAL MENINGITIS.

4 Cases were notified during the year, as compared with 3 last year.

(f) ANTERIOR POLIOMYELITIS.

24 Cases were notified this year (18 Paralytic), as compared with 2 last year.

(g) ENTERIC FEVER.

6 Cases were notified, all Natives, in 1954 (2 cases not confirmed bacteriologically), and 3 Europeans were notified in the second half of 1953. (Diagnosis not confirmed by bacteriological investigations).

16 Persons were immunised (6 Europeans, 8 Natives and 2 Coloureds). The method employed was two injections of Endotoxoid (S.A.I.M.R.). All those immunised were contacts of patients suffering from Typhoid Fever, and completed the course of 2 injections. (See also page 24, section (10) Milk Supplies).

(3) TUBERCULOSIS (Pages 44-47).

Notifications of Pulmonary Tuberculosis totalled 81, a big drop from the previously recorded total of 150, 20 of these being of Europeans. Notifications of Non-Pulmonary Tuberculosis totalled 13 (1 being European) as compared with the previous year's total of 11.

30 Borough cases (2 Europeans, 20 Natives, 3 Coloureds and 5 Asiatics) were admitted to the European and Non-European Infectious Diseases Hospitals.

From July - December, 1953, 9 Borough cases were admitted to Grey's Hospital (1 European, 5 Native and 3 Asiatic). In 1954, 9 cases were admitted (5 European, 2 Native, 1 Coloured and 1 Asiatic) to Grey's Hospital, 4 Native cases were admitted to Edendale Hospital, and 1 Native case was admitted to McCords Hospital, Durban.

1 Asiatic

TABLE I									
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908
Population	1,000,000	1,050,000	1,100,000	1,150,000	1,200,000	1,250,000	1,300,000	1,350,000	1,400,000
Area (sq. miles)	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
Population per sq. mile	100	105	110	115	120	125	130	135	140
Area (sq. miles)	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
Population per sq. mile	100	105	110	115	120	125	130	135	140
Area (sq. miles)	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
Population per sq. mile	100	105	110	115	120	125	130	135	140
Area (sq. miles)	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
Population per sq. mile	100	105	110	115	120	125	130	135	140
Area (sq. miles)	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
Population per sq. mile	100	105	110	115	120	125	130	135	140

The above table shows the population of the United States in 1900, 1901, 1902, 1903, 1904, 1905, 1906, 1907, 1908, and 1909. The population of the United States in 1900 was 1,000,000. In 1901, the population was 1,050,000. In 1902, the population was 1,100,000. In 1903, the population was 1,150,000. In 1904, the population was 1,200,000. In 1905, the population was 1,250,000. In 1906, the population was 1,300,000. In 1907, the population was 1,350,000. In 1908, the population was 1,400,000. In 1909, the population was 1,450,000.

The area of the United States in 1900 was 10,000 square miles. In 1901, the area was 10,000 square miles. In 1902, the area was 10,000 square miles. In 1903, the area was 10,000 square miles. In 1904, the area was 10,000 square miles. In 1905, the area was 10,000 square miles. In 1906, the area was 10,000 square miles. In 1907, the area was 10,000 square miles. In 1908, the area was 10,000 square miles. In 1909, the area was 10,000 square miles.

The population per square mile of the United States in 1900 was 100. In 1901, the population per square mile was 105. In 1902, the population per square mile was 110. In 1903, the population per square mile was 115. In 1904, the population per square mile was 120. In 1905, the population per square mile was 125. In 1906, the population per square mile was 130. In 1907, the population per square mile was 135. In 1908, the population per square mile was 140. In 1909, the population per square mile was 145.

The above table shows the population of the United States in 1900, 1901, 1902, 1903, 1904, 1905, 1906, 1907, 1908, and 1909. The population of the United States in 1900 was 1,000,000. In 1901, the population was 1,050,000. In 1902, the population was 1,100,000. In 1903, the population was 1,150,000. In 1904, the population was 1,200,000. In 1905, the population was 1,250,000. In 1906, the population was 1,300,000. In 1907, the population was 1,350,000. In 1908, the population was 1,400,000. In 1909, the population was 1,450,000.

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(3) TUBERCULOSIS Cont'd.

1 Asiatic case was admitted to King Edward VIII Hospital, Durban, in 1954, and 1 Asiatic in the second half of 1953. 9 European, 6 Native, 1 Coloured and 2 Asiatic cases were admitted to King George V/Springfield Tuberculosis Hospital, Durban, in 1954, and 3 European, 5 Native, 3 Coloured and 4 Asiatic cases were admitted to the same hospital in the second half of 1953. 1 Coloured case was admitted to Addington Hospital in the second half of 1953. 1 Native and 1 Asiatic (Borough cases) were admitted from our Clinics to our own Non-European Infectious Diseases Hospital in the second half of 1953, and 9 Natives, 2 Coloureds and 3 Asiatics were admitted in 1954. 5 Europeans were admitted to the Wentworth Tuberculosis Hospital, Durban, in 1954, and 1 in the second half of 1953. 1 European was admitted to Lilleshall Convalescent Hospital in 1954 and 2 were admitted in the second half of 1953. 1 Coloured case was admitted to the Umlazi Mission Hospital in 1954, and 1 Native case was admitted to the Botha's Hill T.B. Settlement in 1954, and 1 Native case in the second half of 1953. 2 Asiatics and 1 Coloured were admitted to the F.O.S.A. Settlement, Durban, in 1954, and 2 Asiatics in the second half of 1953.

The scheme of subsidising rentals in tubercular families at the Sobantu Village, where a larger house was necessary to ensure the isolation of the infectious case in the home, was continued during the year, and 1 family was assisted in this way. Control by the Native Health Assistant is maintained to ensure that isolation is observed, but constant vigilance is needed and the patient's response is not always satisfactory.

The Natal Anti-Tuberculosis Association made grants to 26 families in Pietermaritzburg (1 European, 15 Native, 5 Coloured and 5 Asiatic), to enable the breadwinner to accept hospital treatment.

The following tables illustrate the trend in notifications and deaths from this disease over the period 1934-1954:-

PULMONARY TUBERCULOSIS

Y E A R	N O T I F I C A T I O N S						D E A T H S					
	Eur.	Nat.	Col.	As.	All Non-Eur.	Total	Eur.	Nat.	Col.	As.	All Non-Eur.	Total
July, 1934-June, 1935	7	35	12	31	78	85	4	25	7	8	40	44
" 1935- " 1936	17	38	15	32	85	102	2	14	3	12	29	31
" 1936- " 1937	8	40	8	20	68	76	4	18	7	17	42	46
" 1937- " 1938	17	40	15	14	69	86	7	29	7	7	43	50
" 1938- " 1939	15	40	15	10	65	80	5	19	6	8	33	38
" 1939- " 1940	7	23	7	17	47	54	4	15	7	9	31	35
" 1940- " 1941	7	13	11	7	31	38	3	19	1	6	29	32
" 1941- " 1942	8	22	6	18	46	54	5	9	1	15	25	30
" 1942- " 1943	8	29	2	27	58	66	5	13	2	16	31	36
" 1943- " 1944	5	23	3	24	50	55	3	14	4	14	32	35
" 1944- " 1945	13	52	5	30	87	100	3	14	4	11	29	32
" 1945- " 1946	12	60	10	24	94	106	10	24	6	12	42	52
" 1946- " 1947	10	51	13	25	89	99	11	31	6	11	48	59
" 1947- " 1948	23*	49	9	32	90	113	9	23	4	18	45	54
" 1948- " 1949	18	68	8	22	98	116	8	44	4	11	59	67
" 1949- " 1950	17	62	9	17	88	105	3	27	3	10	40	43
" 1950- " 1951	18	58	9	38	105	123	2	20	3	9	32	34
" 1951- " 1952	17	64	15	33	112	129	1	30	6	13	49	50
" 1952- " 1953	18	65	21	46	132	150	3	11	5	3	19	22
Jan., 1954-Dec., 1954	20	44	5	12	61	81	3	6	2	5	13	16

* Includes 1 case also notified as Non-Pulmonary Tuberculosis.

NON-PULMONARY TUBERCULOSIS/

(3) TUBERCULOSIS Cont'd.NON-PULMONARY TUBERCULOSIS

YEAR	NOTIFICATIONS						DEATHS					
	Eur.	Nat.	Col.	As.	All Non-Eur.	Total	Eur.	Nat.	Col.	As.	All Non-Eur.	Total
July, 1934-June, 1935	1	4	0	3	7	8	2	6	0	1	7	9
" 1935- " 1936	3	3	1	6	10	13	1	2	0	2	4	5
" 1936- " 1937	2	8	0	5	13	15	1	4	0	3	7	8
" 1937- " 1938	5	10	3	6	19	24	3	1	2	3	6	9
" 1938- " 1939	1	3	0	3	6	7	0	2	0	2	4	4
" 1939- " 1940	2	3	1	3	7	9	1	2	1	0	3	4
" 1940- " 1941	3	2	0	3	5	8	2	1	0	0	1	3
" 1941- " 1942	2	7	2	7	16	18	1	3	1	3	7	8
" 1942- " 1943	1	3	4	2	9	10	1	1	1	3	5	6
" 1943- " 1944	1	4	0	3	7	8	0	5	1	3	9	9
" 1944- " 1945	2	6	1	8	15	17	0	3	2	5	10	10
" 1945- " 1946	1	5	3	3	11	12	1	4	1	3	8	9
" 1946- " 1947	1	8	3	2	13	14	0	11	3	3	17	17
" 1947- " 1948	5*	9	1	4	14	19	1	8	1	2	11	12
" 1948- " 1949	0	7	0	7	14	14	1	7	1	2	10	11
" 1949- " 1950	0	12	2	10	24	24	1	3	1	2	6	7
" 1950- " 1951	1	10	3	12	25	26	0	6	1	2	9	9
" 1951- " 1952	0	7	1	9	17	17	1	2	0	1	3	4
" 1952- " 1953	1	6	0	4	10	11	0	7	1	1	9	9
Jan., 1954-Dec., 1954	1	7	0	5	12	13	0	2	0	3	5	5

* Includes 1 case also notified as Pulmonary Tuberculosis.

A marked decrease (roughly 50%) in the total of notified Non-European cases of Pulmonary Tuberculosis and a marked decrease in the number of Non-European deaths reported (approximately 30%) are the salient features of this years figures.

MINIATURE MASS RADIOGRAPHY

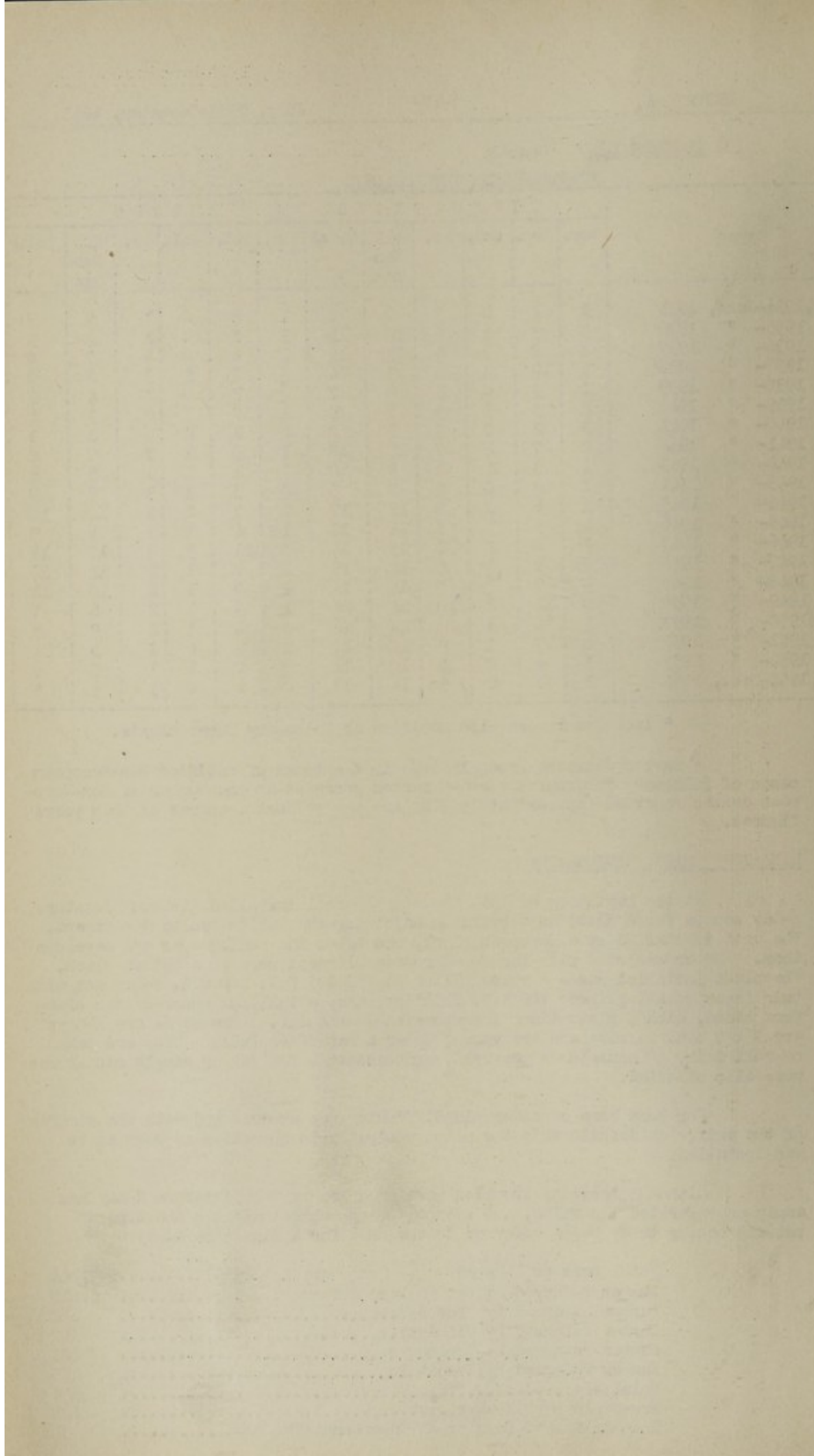
At the beginning of 1954 the City Council installed its own Miniature X-Ray set (a fixed unit) in a building adjoining the Public Health Department. The unit is staffed by a European clerk, who takes the radiographs and develops them. He is assisted with the Non-European clerical work by a Native clerk. The plant installed was a 4 valve Miller DA 250 125 K.V. 200 m.a. X-Ray set, with twin focus rotating Anode 100 K.V. Phillips tube, a Phillips motor-driven platform stand, with a photo timer incorporated in the set. The miniature X-Rays are 7 x 7 c.m. in size and are viewed under a magnifier (x2). They are taken on roll film, 40 miniatures per roll, and cassettes for taking single miniatures were also obtained.

For some time considerable difficulty was experienced with the staffing of the unit, but despite this the plant was put into operation as soon as it was installed.

Although teething troubles were experienced, the Miniature X-Ray has amply demonstrated its value, and the following table indicates the type of patient coming to or being referred to the unit for a Miniature X-Ray:-

Total persons X-Rayed: (- December 31st, 1954)	7,244
Number referred ex Native Pass Office:	4,418
Number referred by Doctors:	682
Number referred by Clinics:	317
Number referred by Employers:	403
Number referred by Hospitals:	235
Voluntary:	649
Pre-employment X-Rays:	178
Pre-employment (Municipal Superannuation Fund):	31

With



(3) TUBERCULOSIS Cont'd.

With the Miniature X-Ray plant available, contact examination at the T.B. Clinic has been reduced considerably, as a routine Miniature X-Ray of all contacts is now taken and only when abnormalities are noted are the contacts referred for closer investigation at the clinic. Routine follow-up X-Rays of T.B. patients at the Clinics and our hospitals are to a large extent being done by this Miniature plant with an occasional large plate for confirmation. The plant has also proved most useful in emergencies when we have been unable to obtain large plates from Grey's Hospital at times, due to staff shortages.

It will be noted that the voluntary applicants for X-Ray form quite an important group, as also the cases referred by employers. It is hoped that these groups of cases will increase in numbers, as they indicate that the general public is becoming aware of the importance and value of the routine miniature X-Ray.

THE TUBERCULOSIS CLINIC (Page 53).

Staff: Asst. Medical Officer of Health (Part-time), a European Health Visitor (Full-time), and a Native Health Assistant (Full-time). With the growth of the T.B. work carried out by this Department, it has been found necessary to utilise a Health Visitor on a full-time basis, instead of half-time as in the past.

During the year 1954 there were 2,708 attendances at the Clinic (including 572 Out-of-Borough cases), a 50% drop in attendances due chiefly to the fact that all contacts are now referred first of all to the Miniature X-Ray Clinic.

Out-patient continuation treatment with injections of Streptomycin and oral I.M.H. (or P.A.S.) has been used on an increasingly large scale for patients discharged from hospital, thus enabling us to utilise our hospital beds to better advantage through the much earlier release from hospital of cases who are suitable for Out-Patient treatment. Patients for whom no bed can be found in hospital are also started on treatment until beds become available, and some cases are maintained on Out-Patient treatment alone. A few such Out-Patients have rapidly become sputum negative with treatment, have improved clinically and have been maintained sputum negative, and as such constituting no danger to others while at work or at home.

At the end of the year 14 European, 29 Native, 4 Coloured and 36 Asiatic patients were receiving regular Streptomycin injections, necessitating the organisation of 2 special clinic sessions per week for this purpose. (See Page 53).

2,371 Visits were made to tuberculous and contacts in their homes, (Borough cases only). The following notified cases were on our Tuberculosis Register as at December 31st, 1954. (June 30th, 1953, figures in brackets for comparison):-

	<u>Eur.</u>	<u>Nat.</u>	<u>Col.</u>	<u>As.</u>	<u>All Non-Eur.</u>	<u>Total</u>
Pulm. T.B.	87(57)	139(86)	48(35)	140(109)	327(230)	414(287)
Non-Pulm. T.B.	3(2)	16(8)	2(2)	3(22)	21(32)	24(34)

The Tuberculosis Hospital : (Non-European Only).

Admissions totalled 82, 28 Borough cases (20 Native, 3 Coloured and 5 Asiatic) and 54 Out-of-Borough cases (49 Native, 3 Coloured and 2 Asiatic).

1942-1943	Annual Admission Rate per Bed		3.6 patients.
1943-1944	" " " " " "		4.0 "
1944-1945	" " " " " "		2.8 "
1945-1946	" " " " " "		1.8 "
1946-1947	" " " " " "		2.0 "
1947-1948	" " " " " "		3.1 "
1948-1949	" " " " " "		2.8 "
1949-1950	" " " " " "		2.3 "
1950-1951	/		

(b) The following information was obtained from the records of the Department of the Interior, Bureau of Land Management, regarding the land owned by the United States in the State of California, and is being furnished to you for your information.

The following is a list of the land owned by the United States in the State of California, and is being furnished to you for your information.

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(3) TUBERCULOSIS Cont'd.

1950-1951	Annual Admission Rate per Bed		1.7 patients.
1951-1952	" " " " "		1.5 "
1952-1953	" " " " "	(including temporary beds)....	1.7 "
1954	" " " " "	" " " " "	 2.1 "

There has been no undue delay this year in securing the admission of European cases to the Wentworth and King George V Hospitals for Tuberculosis in Durban, there being no Tuberculosis beds available for Europeans in Pietermaritzburg.

(4) VENEREAL DISEASE. (Pages 54-60).

(a), (b) and (c) One Clinic Session is held weekly for each race and sex, conducted by the Assistant Medical Officers of Health. These Clinics are held in the Grey's Hospital Out-Patient Department Buildings. A separate Clinic Session is held for European Males, European Females and Native Females. A combined session is held for Coloured and Asiatic females, and a combined session is held for Coloured, Asiatic and Native males. One European Health Visitor (half-time only), 1 Native Nurse, and 3 Native Health Assistants, assist at the Female Clinics, while the Health Visitor and 3 Native Health Assistants, assist at the Male Clinics. Three Native Health Assistants devote their full time to Venereal Diseases.

(d) Every effort is made to trace contacts and sources of infection and to follow-up defaulters to ensure completion of treatment. A European Health Visitor deals with the investigation and follow-up of European, Coloured and Asiatic cases, and supervises the work of the Native Health Assistants who deal with Natives only.

It has been found that the Health Visitor is quite readily able to deal with both Male and Female cases.

(e) This Local Authority does not conduct the Ante-Natal Clinics held in Pietermaritzburg. The Medical Superintendent, Grey's Hospital, advises that the results of routine Wassermann Tests at the Ante-Natal Clinics are as follows:-

	European		Native		Coloured		Asiatic	
	No. of Tests	% Positive	No. of Tests	% Positive	No. of Tests	% Positive	No. of Tests	% Positive
July, 1945-June, 1946	180	0.6%	2,860	11.8%	149	7.7%	636	2.4%
" 1946- " 1947	185	0.5%	2,963	16.8%	465	1.9%	1,423	1.6%
" 1947- " 1948	193	1.6%	3,053	9.3%	153	3.2%	772	2.2%
" 1948- " 1949	293	1.7%	3,568	9.3%	190	2.8%	846	4.5%
" 1949- " 1950	42	0	3,949	10.6%	102	7.8%	521	6.3%
" 1950- " 1951	41	0	4,351	10.5%	218	8.5%	855	2.1%
" 1951- " 1952	58	0	5,019	13.6%	279	5.7%	862	3.2%
" 1952- " 1953	164	1.8%	5,556	10.5%	201	1.0%	872	2.8%
" 1953-Dec., 1954	81	1.2%	922	11.6%	95	2.1%	640	4.3%

Figures for 1953-1954 incomplete, owing to closing down of Mayors Walk Hospital in Pietermaritzburg, and its transfer to Edendale.

(f) The/

1. The first part of the report is a general introduction to the project. It describes the purpose of the study, the objectives, and the scope of the work. It also provides a brief overview of the methodology used in the study.

2. The second part of the report is a detailed description of the methodology used in the study. It includes a description of the data collection methods, the data analysis methods, and the statistical tests used.

3. The third part of the report is a detailed description of the results of the study. It includes a description of the data, the results of the data analysis, and the results of the statistical tests. It also includes a discussion of the implications of the results.

4. The fourth part of the report is a conclusion and a summary of the findings. It includes a summary of the results, a discussion of the implications, and a final conclusion.

5. The fifth part of the report is a list of references. It includes a list of the books, articles, and other sources used in the study.

Author	Title	Year	Page
Smith, J.	Introduction to Statistics	1995	10
Johnson, A.	Advanced Statistical Methods	2000	25
Williams, B.	Statistical Analysis of Data	2005	35
Miller, C.	Statistical Inference	2010	45
Wilson, D.	Statistical Modeling	2015	55
Anderson, E.	Statistical Theory	2020	65
Thompson, F.	Statistical Applications	2025	75
Roberts, G.	Statistical Software	2030	85
Clark, H.	Statistical Education	2035	95
Green, I.	Statistical Research	2040	105

6. The sixth part of the report is a list of appendices. It includes a list of the tables, figures, and other supplementary material used in the study.

(4) VENEREAL DISEASE Cont'd.

(f) The average annual attendance of patients suffering from Venereal Disease at the Clinics was as follows:-

	EUROPEAN				NATIVE				COLOURED				ASIATIC			
	Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
1943-44	14.1	3.7	2.5	6.7	3.6	2.8	2.9	4.1	2.7	6.1	2.4	2.6	3.5	3.5	7.3	1.1
1944-45	7.6	11.2	3.5	7.0	9.8	7.7	4.7	6.7	7.5	11.2	16.2	8.9	7.7	9.3	9.0	8.0
1945-46	7.7	5.9	13.5	6.7	10.1	8.9	6.4	7.5	4.0	8.4	10.8	7.4	5.7	6.9	6.2	6.9
1946-47	10.3	5.4	11.4	35.5	9.3	8.1	5.6	6.7	8.3	10.1	7.2	5.3	8.0	6.4	3.0	3.4
1947-48	15.3	5.6	9.5	6.6	9.5	7.5	5.0	5.3	10.1	8.2	3.5	7.4	8.3	8.0	4.6	2.7
1948-49	7.6	9.0	10.2	1.7	9.0	7.2	5.1	5.7	9.3	7.3	11.2	11.5	8.5	7.7	12.3	9.8
1949-50	5.0	5.4	-	1.0	8.8	6.1	5.1	4.7	9.7	8.6	6.3	5.0	6.9	6.6	4.2	3.5
1950-51	5.4	7.5	-	2.3	6.4	6.9	4.1	4.1	5.7	6.2	3.8	7.4	5.2	5.6	14.0	2.2
1951-52	5.0	2.5	1	1	5.5	5.6	3.0	3.6	3.8	7.4	1	2.3	3.0	5.4	2.5	1.9
1952-53	2.5	2.9	0	0	4.4	4.8	2.4	3.7	4.0	5.8	-	2.6	3.4	5.4	1.2	6.5
1954	2.1	-	0.3	-	3.8	3.6	2.8	2.6	3.8	2.2	-	10.2	3.0	2.4	-	9.3

These figures are arrived at by dividing the total number of Clinic Attendances for the period by the number of patients who attended the Clinics during that period.

(g) A considerable decrease in Clinic Attendances has again been recorded for 1954, there being 4,064 attendances during the year as compared with the 1952-1953 total of 8,126. 2,980 Home Visits were paid in 1954 to cases of Venereal Disease, as compared with the 1952-53 total of 2,936. The decrease in attendances is probably due to the change-over to Penicillin treatment in hospital and at the clinics, so that many patients who formerly attended weekly for treatment now only attend occasionally for checking, and to the fact that many patients are now being treated in their surgeries by private practitioners.

EPIDEMIC HOSPITAL (Non-European V.D.)

Admissions to this hospital totalled 432 for the second half of 1953, and 561 in 1954, again showing a continuation of the decrease that has been taking place in recent years, e.g. 1,312 in 1951-2, and 910 in 1952-3, the daily average of in-patients totalling 20 as compared with 30 last year, 42 the year before and 50 the year previous to that.

The re-admissions for this period numbered 115, i.e. 11.6% of admissions as compared with 16%, 14%, 12%, 13.8% and 13.4% the preceding five years. An analysis of patients' reasons for re-admissions and for failure to continue treatment, is given in the following table:-

	Male	Female	Total
1) No reason given for failure to continue treatment	12	7	19
2) Patients thought themselves cured after only a few follow-up injections	2	-	2
3) Patients diagnosed on first admission as Non-Venereal Disease, but re-admitted subsequently and diagnosis found to be Venereal Disease	-	1	1
4) Patients stated no facilities for further treatment available near their homes or unable to pay transport to obtain treatment	-	2	2
5) Patients stated employers would not allow them to attend for further treatment or that could not leave work	3	-	3
6) Patients re-admitted suffering from forms of V.D. other than that originally admitted for	4	5	9
7) Non-Venereal Disease	7	4	11
8) Relapsed though attended Clinic fairly regularly.	4	1	5
9) Reinfected after discharge	18	23	41
10) Lost discharge card from hospital	1	1	2
One			

EPIDEMIC HOSPITAL Cont'd.

One can regard the re-admissions under the first three headings (approx. $\frac{1}{5}$ of the total) as due to failure of the Educative section of the Venereal Diseases Hospital treatment. The proportion recorded in the last six years has been $\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{3}$, $\frac{1}{5}$, $\frac{1}{4}$ and $\frac{1}{4}$ respectively.

With the availability of Penicillin Procaine G in Oil, Penicillin treatment of all Syphilitic cases is now routine in this hospital. All cases of Gonorrhoea receive Penicillin treatment. The 8 day course (a total of 4.8 M.u. Penicillin Procaine in Oil), adopted on the instruction of the Union Health Department, has undoubtedly shortened the average hospital stay of Syphilitic cases and brought about a reduction in the daily average of hospital in-patients.

(5) PLAGUE.

No cases of plague occurred during the year. Regular inspection of new shops and warehouses in the course of erection has been carried out and their rodent-proofing has been supervised. No rodent work has been carried out on commonage, but the rodent-proofing of existing infested premises has been dealt with intensively. All business premises handling foodstuffs are inspected routinely every three months, and particular attention is paid to rodent-proofing. A single Departmental Rodent Inspector devotes all his time to anti-rodent measures, trapping, poisoning, chiefly with Zinc Phosphide and also with "Wharfarin" and similar preparations, and Cyanogas pumping being employed. Excellent results are being obtained by the use of the P. traps and the pre-baiting technique.

There are 2 Grain Stores in the City; both are now rodent-proofed.
There are 2 mills in the City -- both are now rodent-proof.

July, 1953 - December, 1953.

Trapping operations by Rodent Inspector :	11.	Rodents trapped	13
Poisoning " " " " :	102.	Rodents Poisoned:	
		(Bodies recovered)	14
		(Estimated total-	
		bodies not recovered) <u>576</u>	590

Gassing operations by Rodent Inspector :	3.	Bodies recovered	0
--	----	------------------------	---

7 Dwellings completed rodent-proofing - 18 inspected.
37 Business premises, shops and stores rodent-proofed - 109 inspected.
1 Stable rodent-proofed - 5 inspected.

New buildings in course of erection supervised for rodent-proofing : 15.
Vacant lands gassed : 3.

1954.

Trapping operations by Rodent Inspector :	25.	Rodents trapped	31
Poisoning " " " " :	124.	Rodents Poisoned:	
		(Bodies recovered)	32
		(Estimated total-	
		bodies not recovered) .. <u>704</u>	736

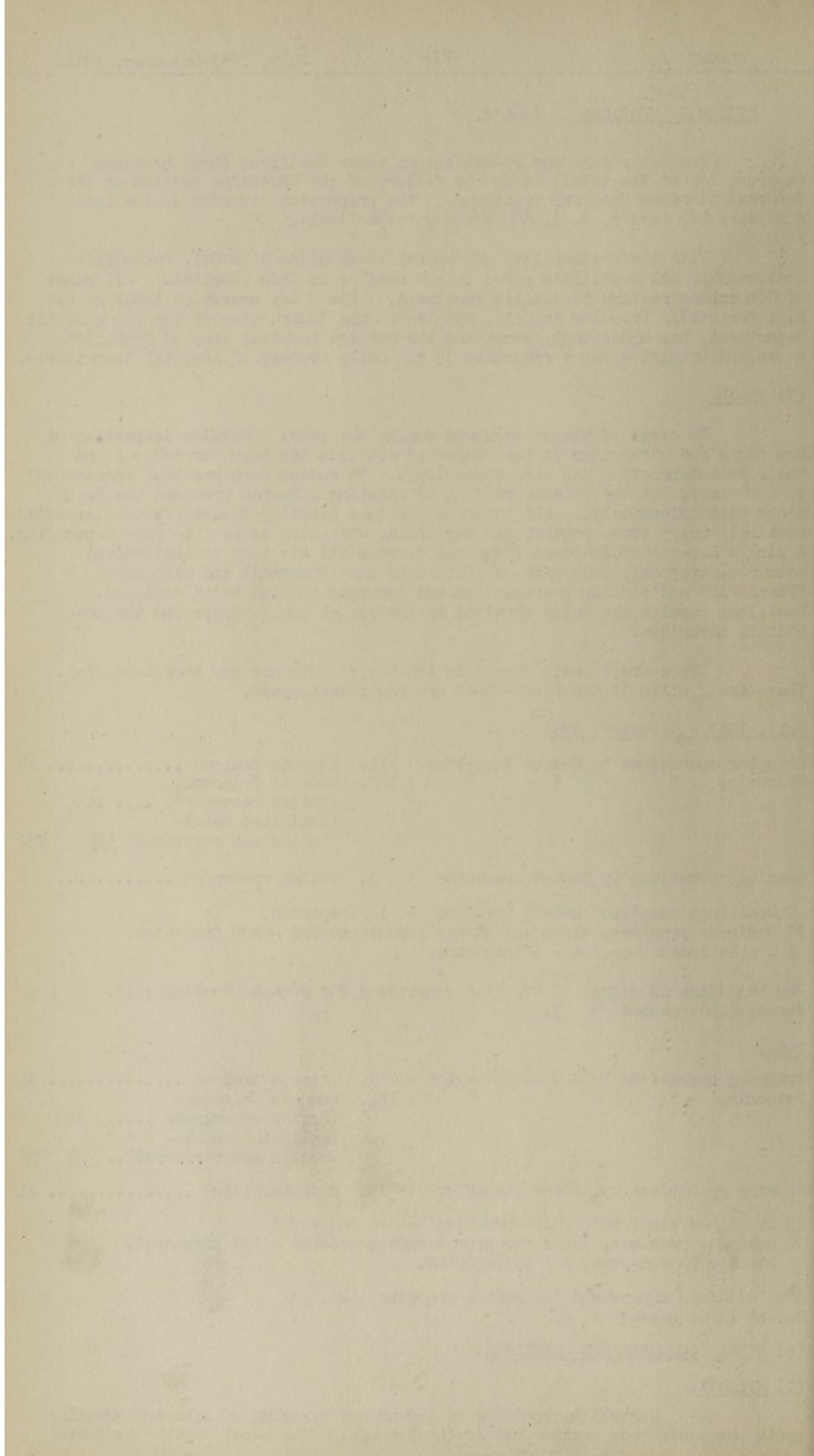
Gassing operations by Rodent Inspector :	17.	Rodents killed	21
--	-----	----------------------	----

13 Dwellings completed rodent-proofing - 26 inspected.
70 Business premises, shops and stores rodent-proofed - 158 inspected.
2 Stables rodent-proofed - 5 inspected.

New buildings supervised for rodent-proofing : 26.
Vacant lands gassed : 8.

(6) OTHER COMMUNICABLE DISEASES:(1) MALARIA.

Control by spotting of larvae and spraying of selected breeding spots has again been carried out in the Borough. The Local Health Commission carried



(1) MALARIA Cont'd.

carried out control work in the Peri-Urban areas. No malarial mosquito vectors were discovered inside the Borough and no new infections of malaria occurred within the Borough.

Permanent work in the way of wide open drains with grassed sides and a hardened invert, was continued in the off season.

No check house spraying was carried out this season. Spraying was carried out to keep down the Anopheline population in known breeding areas and to deal with Culicine breeding which was causing a nuisance, D.D.T. suspension being used with satisfactory results.

(11) BILHARZIA.

Regular surveys were carried out for the identification of snails. Copper Sulphate was used for the treatment of areas where Physopsis were identified with a resultant rapid and considerable reduction in the number of snails found, treatment being repeated at 2 monthly intervals.

	July 1st, 1953 - Dec.. 31st, 1953	1954
Snails examined	1,268	1,857
Physopsis Africana identified	35	91

Warning notice boards have been erected at the various spots used as bathing spots by Non-Europeans.

(111) ENTERITIS in children under the age of two years accounted for 65 deaths, (3 European, 42 Native, 8 Coloured and 12 Indian), a small increase on the previous year's total of 57.

(1V) MUMPS.

Only 9 cases (all from the City) were admitted to the (European) Isolation Hospital, and 1 Native case only was admitted to the Non-European Infectious Diseases Hospital, from outside the Borough. No deaths were reported from this disease. (See table on page 61).

(V) MEASLES.

This disease was only moderately prevalent in school children this year, 29 Borough cases being admitted to the Isolation Hospital. No deaths were recorded from July, 1953 - December, 1954.

(VI) CHICKEN POX.

This disease was only moderately prevalent and, as usual, mild.

(VII) WHOOPING COUGH.

This disease was not very prevalent during the year, and no deaths were reported from this disease. Immunisation was carried out at the Infant Welfare Clinics, using a combined Whooping Cough and Diphtheria Vaccine. (See page 25).

(7) WATER SUPPLY. (See Page 66).

The water supply of Pietermaritzburg is under the control of the City Engineer's Department. It is derived from streams coming from hilly country lying to the West of the Town. From the Storage Dam at Henley the water is piped to the Purification Works, where it is treated with Ammonium Sulphate, Lime, and Aluminaferric, before filtration. After filtration, the water is treated with Chloramine before being distributed to the four service reservoirs.

The supply from the Purification Works and each of the service reservoirs has been bacteriologically examined each week by the bio-chemist in

The first of these is the fact that the...

Secondly, it is also true that...

Thirdly, it is also true that...

Fourthly, it is also true that...

Fifthly, it is also true that...

Sixthly, it is also true that...

Seventhly, it is also true that...

Eighthly, it is also true that...

Ninthly, it is also true that...

Tenthly, it is also true that...

Eleventhly, it is also true that...

Twelfthly, it is also true that...

Thirteenthly, it is also true that...

Fourteenthly, it is also true that...

Fifteenthly, it is also true that...

Sixteenthly, it is also true that...

Seventeenthly, it is also true that...

(7) WATER SUPPLY Cont'd.

charge of the Purification Works. All employees at the Purification Works are Vi-tested. No water-borne outbreaks of disease have occurred during the year. Regular bacteriological sampling of swimming bath waters has also been carried out throughout the year, and samples of well and tank waters have also been examined.

The water supply has proved inadequate for the expanding needs of the City, and restrictions have been imposed on the use of water throughout the year. Expansion and modernisation of the Purification Works has now been completed. Metering all domestic water supplies has now been decided upon by the City Council with a view to reducing the total consumption of water by the City.

(8) NIGHTSOIL AND DISPOSAL.

The administration of this work is in the hands of the City Engineer. The greater part of the Town and Suburbs is served by water-borne sewerage, although the conservancy system is still in use in certain outlying areas. Disposal is on the sewage farm about 3 miles from the centre of the Town, where broad irrigation is carried out and the screenings and nightsoil are trenched. The City Council has acquired adjoining land, in order to extend the area available for sewage disposal, and the construction of a modern filtration plant is now well advanced.

(9) MEAT SUPPLIES (See Pages 69-70).

All slaughtering is carried out at the Municipal Abattoir, which is under the direct control of this Department. Butchers' shops are periodically inspected to ensure that they are satisfactory and that no meat which does not bear the Municipal stamp is exposed for sale. 282 inspections of butchers' shops were made in 1954. A list of meat, fish and fowl condemned after inspection is shown on pages (67 - 68).

The Abattoir Manager reports that during the year 51,143 animals were slaughtered, a slight drop on the 1952-53 total of 51,668.

The actual slaughtering at the Abattoir is carried out by this Department.

All condemned meat and offal is transported in drums to a privately owned By-Product Plant at Bisley, just outside of Pietermaritzburg. The City Council has decided to commence with its plans for its own By-Products Plant, and for the expansion of the Abattoir. The construction of Non-European change rooms, and the provision of new Railway Siding facilities was completed during the year. The lairage accommodation has already been improved by the provision of asbestos roofing. Adequate Cold Storage accommodation has also been planned for inclusion in this expansion programme, there being none at the Abattoir at present.

ANTRAX, etc. No cases were reported during the year.

CYSTICERCUS BOVIS AND CELLULOSAE ("MEASLES").

The following table shows the number of carcasses infected with "Measles" during the past 8 years:-

	CATTLE			CALVES			PIGS		
	Slaughtered	% Infected	% Condemned	Slaughtered	% Infected	% Condemned	Slaughtered	% Infected	% Condemned
946-47	12,227	8.00	1.16	4,369	5.05	1.46	3,480	4.22	3.76
947-48	11,513	6.94	0.84	3,244	4.68	1.44	3,254	4.94	4.06
948-49	9,126	5.82	0.97	3,102	4.51	1.90	5,318	2.76	2.08
949-50	10,564	7.16	0.88	3,385	4.66	1.38	6,308	1.37	1.10
950-51	8,364	8.72	1.21	3,113	5.30	1.28	6,445	2.17	1.69
951-52	10,740	8.69	0.94	2,428	5.02	1.35	4,148	3.18	2.60
952-53	11,438	7.03	0.62	2,345	4.64	1.02	2,470	1.65	1.21
954	11,578	9.2	1.5	2,554	3.13	1.3	3,154	1.04	0.9

(10) MILK SUPPLIES

The first of the three main parts of the report is a general survey of the situation in the country. It is followed by a detailed account of the work done during the year, and finally by a summary of the results and conclusions.

The second part of the report is a detailed account of the work done during the year. It is divided into three main sections: the first deals with the work done in the field, the second with the work done in the laboratory, and the third with the work done in the office.

The third part of the report is a summary of the results and conclusions. It is divided into two main sections: the first deals with the results of the work done in the field, and the second with the results of the work done in the laboratory and office.

The fourth part of the report is a summary of the results and conclusions. It is divided into two main sections: the first deals with the results of the work done in the field, and the second with the results of the work done in the laboratory and office.

The fifth part of the report is a summary of the results and conclusions. It is divided into two main sections: the first deals with the results of the work done in the field, and the second with the results of the work done in the laboratory and office.

The sixth part of the report is a summary of the results and conclusions. It is divided into two main sections: the first deals with the results of the work done in the field, and the second with the results of the work done in the laboratory and office.

The seventh part of the report is a summary of the results and conclusions. It is divided into two main sections: the first deals with the results of the work done in the field, and the second with the results of the work done in the laboratory and office.

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(10) MILK SUPPLIES.

The milk supply has been carefully controlled throughout the year. In 1954 it was derived from 33 producer-distributors, of whom 17 are in the Borough, and 16 outside of the Borough.

In addition to these, there are 87 producers, 5 Borough and 82 Out-of-Borough, who send their milk to a pasteurisation plant, from where it is distributed after pasteurisation. All these dairymen are registered with this Department and their premises are inspected regularly. Approximately 82% of the milk sold in Pietermaritzburg is now pasteurised.

There are 17 cream suppliers, of whom 8 are in the Borough and 9 outside the Borough.

During the year the routine Vi-Testing of dairy employees was continued. Specimens, which are taken at the dairies or at the Health Department, are sent by pullman transport to the Durban Government Laboratory for examination, thus reaching the laboratory the same day as taken. 518 Bloods were examined in 1954 and of these 4 were reported doubtful. Repeat examination of 3 of these cases was carried out and the result was negative. The other case was lost sight of. 240 Vi-tests, all negative, were done from July to December, 1953. 666 Immunising injections of Typhoid Endotoxoid Vaccine were given to dairy employees in 1954 (270 in the second half of 1953).

(11) OTHER FOOD SUPPLIES (Pages 65 - 68).

Inspection of foodstuffs exposed for sale at the Market and elsewhere has been carried out regularly, and a considerable quantity of unsound food has been condemned (Pages 67 - 68). Condemned foodstuffs are removed to the refuse tips, made unusable, and disposed of by dumping.

Details of all licence applications dealt with by the Department are reflected in the Table on Page 71. Careful attention is paid to storage conditions, particularly to rodent-proofing, and there is a considerable improvement in this connection. 345 Inspections of the Borough Market and 2,932 inspections of other premises manufacturing or handling food were made in 1954. (Pages 72 - 74).

Food and Drugs Act. (Pages 65 - 67).

Under the Food, Drugs and Disinfectants Act, 44 samples were taken in 1954 and the results of the analyses were as follows:-

Milk: 15 Samples: 3 Samples not in accordance with requirements in regard to Solids-Non-Fat; were between 8% and 8.5%.

Ice Cream: 3 Samples: All in accordance with standards laid down.

Cream: 18 Samples: All in accordance with standards laid down.

Mince Meat: 5 Samples: All samples in accordance with standards laid down.

Sausage: 3 Samples: All in accordance with standards laid down.

In the case of the defective Solids-Non-Fat Milk Samples in the group 8% to 8.5%, letters were written to the dairymen.

Outbreaks of Food Poisoning.

In October, 1953, following a banquet, there was an outbreak of Food Poisoning totalling at least 22 cases.

The food suspected was "crayfish" - a portion only of a consignment received from Cape Town. The onset of the condition was acute, about 2 hours after consumption of the food and toxin contamination was suspected. Bacteriological investigations gave no definite evidence.

Outbreaks of Food Poisoning Cont'd.

2 Cases of Food Poisoning occurred, with fish paste being the suspected food. A haemolytic coagulase positive strain of Staph. aureus was isolated from the food, but not from the patients.

5 School children became violently ill after eating "tung nuts".

(12) MATERNITY AND CHILD WELFARE (Page 64) (1954).

The European Infantile Mortality Rate of 20.2 was much lower than last year's figure of 27.1, and is very satisfactory.

The Coloured Infantile Mortality Rate dropped sharply from 80.2 to 49.2.

The Indian Infantile Mortality Rate showed an increase, viz. from 34.4 to 44.7.

The Native Infantile Mortality Rate was 129. Unfortunately this figure cannot be accepted, as an examination of the figures shows that this low rate is due to an unusually large increase in births. On investigation it appears that with the removal of the hospital to Edendale, many patients there are being registered as Pietermaritzburg cases who have never resided in the City. A sample survey showed a figure of 30%.

The main causes and age groupings of Infantile Mortality in the different races are shown on pages 42 - 43.

In Europeans prematurity accounted for 50% of the Infantile Mortality. Diarrhoea and Enteritis was the chief cause of Non-European Infantile Mortality, with Broncho-Pneumonia second, Prematurity third, and Malnutrition fourth.

The Native Health Visitor appointed by the City Council has now commenced duty in this Department to work amongst the Native population, particularly in Raisethorpe.

This Department continued to supply milk to necessitous infants up to the age of 2 years, and also to a certain number of children below the age of 5. See page 64.

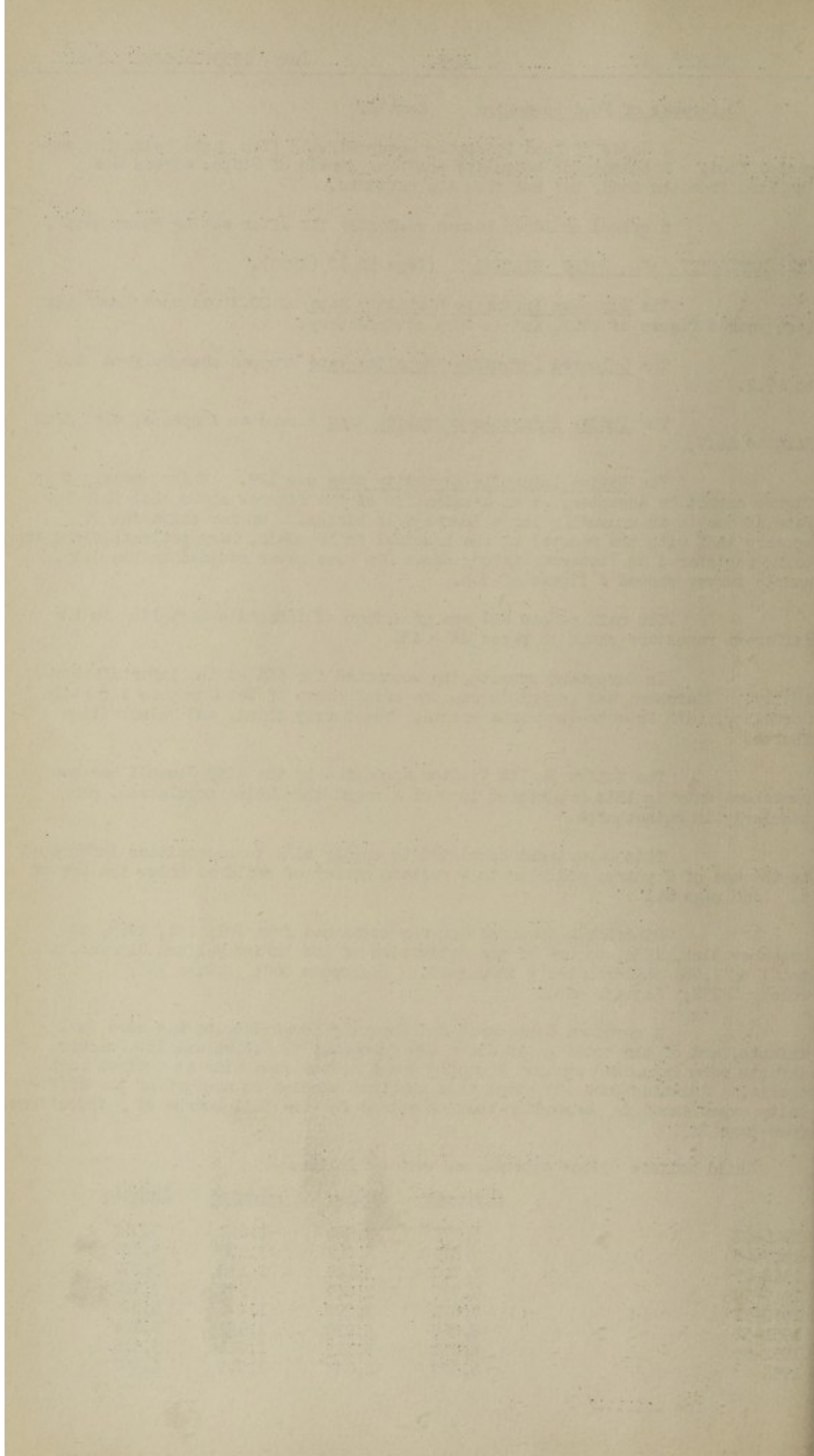
Diphtheria immunisation was continued from July 1st, 1953, to December 31st, 1954, as one of the activities of the Infant Welfare Clinics, a total of 1,764 children being immunised. (European 660; Native 154; Coloured 252; Asiatic 698).

A combined Diphtheria and Whooping Cough Vaccine was used in infants, and of the total given above 429 European, 83 Native and 130 Coloured infants were immunised against Whooping Cough at the same time as against Diphtheria. Asiatics were not given this combined vaccine on account of the difficulty experienced in persuading them to attend for the full course of 3 injections. (See page 14).

Child Welfare Clinic attendances were as follows:-

	<u>European</u>	<u>Native</u>	<u>Coloured</u>	<u>Asiatic</u>
1946-47	8,073	3,206	1,682	3,748
1947-48	6,849	3,092	1,570	3,535
1948-49	8,740	3,426	1,110	3,272
1949-50	7,778	2,649	935	3,180
1950-51	7,671	3,798	1,776	4,324
1951-52	8,068	4,230	1,989	5,164
1952-53	8,211	5,115	1,921	5,580
1954	6,577	4,674	1,743	4,872

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(12) MATERNITY AND CHILD WELFARE Cont'd.

The Registrar of Vaccination reports the following total of Vaccinations for Pietermaritzburg:-

	<u>July-December, 1953.</u>	<u>1954.</u>
Successful Vaccinations (under 3 years) :	207	283
" " (over 3 years) :	19	17
Insusceptible to Vaccination (under 3 years) :	5	5
Exempted :	0	1

Vaccinations carried out by this Department at the Infant Clinic sessions totalled:-

July-Dec., 1953 - Eur. 182; Nat. 52; Col. 90; As. 369.
1954 - Eur. 331; Nat. 249; Col. 140; As. 580.

Maternal Mortality.

2 Asiatic deaths were recorded, one from Albuminuria and Nephritis of pregnancy and one from Ectopis Gestation.

The Midwifery Training School at Grey's Hospital provides midwifery services for Europeans, Coloureds and Asiatics in the wards of Grey's Hospital, and district Midwifery Services in Pietermaritzburg (except at Raisethorpe) for Europeans, Coloureds and Asiatics. In addition, Ante-Natal Clinic Services for these races are provided. The Native Maternity Wards and Ante-Natal Services have been transferred from the temporary hospital at Mayor's Walk to the new Edendale Hospital. Native District Midwifery is carried out by the Native Municipal Midwife in the Sobantu Village, and is increasing because of the distance of the new Edendale Hospital from the Village.

The following figures have been supplied by the courtesy of the Medical Superintendent of Grey's Hospital:-

Borough cases : (From 1st January, 1954 to 31st December, 1954):-

Ante-Natal Clinic Attendances:

Europeans :	328
Coloureds :	373
Asiatics :	1,586
<u>TOTAL</u> :	<u>2,287</u>

District Midwifery Visits:

Europeans :	517
Coloureds :	741
Asiatics :	6,150
<u>TOTAL</u> :	<u>7,408</u>

The Municipal Native Midwife conducted 3 confinements and paid 58 confinement visits during July - December, 1953, and conducted 12 confinements and paid 129 confinement visits in 1954.

Pietermaritzburg is a "Prescribed Area" under Section 39(b) of the Medical Dental and Pharmacy Act No. 13 of 1928, within which no person other than a medical practitioner or a midwife registered under the Act, shall attend any lying-in-woman for gain. There is one untrained midwife (an Asiatic) "listed" in Pietermaritzburg, and she conducted 3 confinements in the second half of 1953, and 7 in 1954. 1 Midwife's bag inspections was made in the second half of 1953, and 4 in 1954.

(13) BY-LAW NOTICES AND PROSECUTIONS (Pages 72-75).

2,492 Notices and formal letters were served regarding breaches of the Borough By-Laws in the second half of 1953, and 2,386 in 1954. 37 Prosecutions were initiated in the Magistrate's Court, as detailed on page 75.

(14) OTHER MATTERS OF HEALTH AND SANITATION.

Nursing Homes: The Registration and Inspection of Nursing Homes in Natal is now carried out by the Provincial Administration.

Complaints from Burgesses:/

(1) GENERAL - The progress of the work during the year 1951 has been satisfactory. The following table shows the results of the work done during the year.

Item	1951	1950
1. <u>General</u>	100	100
2. <u>Specific</u>	100	100
3. <u>Other</u>	100	100

The following table shows the results of the work done during the year 1951. The results are given in terms of the number of items completed and the number of items in progress. The results are given in terms of the number of items completed and the number of items in progress. The results are given in terms of the number of items completed and the number of items in progress.

Item	1951	1950
1. <u>General</u>	100	100
2. <u>Specific</u>	100	100
3. <u>Other</u>	100	100

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(14) OTHER MATTERS OF HEALTH AND SANITATION Cont'd.

Complaints from Burgesses: 74 Complaints were received and attended to during the second half of 1953, and 111 in 1954.

Medical Examination of Natives:

July 1st, 1953 - December 31st, 1953.

Number Examined	Rejected (All Causes)	Rejected V.D.	Referred T.B. Clinic	Vaccinated
Male : 10,452	72 : 0.7%	33 : 0.3%	31 : 0.3%	
Female : 22	1 : 4.6%	0 : 0	0 : 0	
TOTAL : 10,474	73 : 0.7%	33 : 0.3%	31 : 0.3%	314

Other Reasons for Rejection:

Dirty : Male : 4
 Scabies : Male : 2
 Other Causes : Male : 2; Female : 1.

January - December, 1954.

Number Examined	Rejected (All Causes)	Rejected V.D.	Referred T.B. Clinic	Vaccinated
Male : 24,285	70 : 0.3%	35 : 0.14%	35 : 0.14%	
Female : 59	2 : 3.4%	2 : 3.4%	0 : 0	
TOTAL : 24,344	72 : 0.3%	37 : 0.15%	35 : 0.14%	489

Other Reasons for Rejection:

Scabies : Male : 74
 Other Causes : Male : 2

The number of Native female domestic servants coming forward for voluntary examination remains low, despite the fact that the examination is now available every day instead of once weekly as before. Every person appearing at the Pass Office who does not possess evidence of successful vaccination, is vaccinated.

Sobantu (Native) Village Dispensary.

This Out-Patient Dispensary is conducted by this Department. Three sessions are held each week, attended by the Assistant Medical Officer of Health, while a full-time Native Nurse, who lives at the Village, assists at the Clinic, does the necessary dressings and follow-up treatment, and visits patients in their homes. This home visit is also utilised for the purpose of teaching simple health lessons, e.g. on the subject of cleanliness, nutrition, etc. The Clinic Nurse is also a certificated Health Visitor.

	July-Dec., 1953.	1954.
Number of new Patients attending Dispensary:	652	1,658
Re-attendances at Dispensary	70	208
Home Visits	1,350	2,221
Surgical Dressings	5,253	8,135

Health Propaganda:

Through the medium of the Electric Light accounts three pamphlets were issued to every house in the City. "Poliomyelitis Precautions", "The Fly Menace" and "Diphtheria Immunisation". In addition, these pamphlets were supported by newspaper publicity and posters in regard to Diphtheria Immunisation were placed in the municipal buses.

The following table shows the results of the experiment conducted on the 10th of June 1955.

Time (min)	Temperature (°C)	Pressure (mm Hg)	Volume (ml)
0	25.0	760	100
10	25.5	760	100
20	26.0	760	100
30	26.5	760	100
40	27.0	760	100
50	27.5	760	100

The results of the experiment show that the temperature of the gas increases linearly with time, while the pressure and volume remain constant.

Time (min)	Temperature (°C)	Pressure (mm Hg)	Volume (ml)
0	25.0	760	100
10	25.5	760	100
20	26.0	760	100
30	26.5	760	100
40	27.0	760	100
50	27.5	760	100

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(15) STAFF

The Staff of the Department at December 31st, 1954, was as follows:-

ADMINISTRATIVE AND OFFICE

Medical Officer of Health	:	M. Maister, B.A., M.B., Ch.B., D.P.H.
Asst. Medical Officer of Health	:	K.J. Aitken, M.B., Ch.B., D.P.H.
Clinical Medical Officer	:	C. Gordon, M.D.
Chief Clerk	:	E. Bastow
Clerk	:	E.D. Gafney
Junior Clerk	:	K. Mullen (resigned)
Senior Woman Clerical Asst.	:	Miss E.M. Hughes
Junior Woman Clerical Assts.	:	Mrs. D. Cox
		Miss M. Hattingh
		Miss Y.W. Gafney
2 Native Messengers		

INSPECTORATE

Chief Health Inspector	:	C.F. Wyatt, Cert. R.S.I., Meat & Other Foods Cert. R.S.I., Tropical Hygiene Cert. R.S.I.
Health Inspectors	:	D.C. Johnston, Cert. R.S.I., Tropical Hygiene Cert. R.S.I.
	:	J.F. Bateson, Cert. R.S.I., Meat & Other Foods Cert. R.S.I., San. Sc. (as applied to Buildings and Public Works) Cert. R.S.I.
	:	J.E.J. van der Merwe, Cert. R.S.I.
	:	G.A. Eudey, Cert. R.S.I., Trop. Hygiene Cert. R.S.I.
	:	A.W. Franklin, Cert. R.S.I., Meat & Other Foods Cert. R.S.I.
Rodent Officer	:	G. Fairfield.
Handyman and Transport Officer	:	A.H. Fairall.
1 Indian Fumigation Assistant	:	

HEALTH VISITING STAFF

Senior Health Visitor	:	Miss E.M. McDougall, Health Visitor's Cert. (Scotland); Health Visitor's Cert. R.S.I.; Mothercraft Cert. (New Zealand).
Health Visitors	:	Miss M.W. Marwick, Mothercraft Cert.
	:	Miss E.E. Holcomb, Health Visitor's Cert. R.S.I.; Mothercraft Cert.
	:	Miss M.J. Home, Health Visitor's Cert. R.S.I.; Mothercraft Cert., Fever Cert.
	:	Miss A.W. Wight, Health Visitor's Cert. R.S.I.; R.M.P.I.
	:	Mrs. K.N. Hallows, Health Visitor's Cert. R.S.I.; Mothercraft Cert.
Clinic Clerk	:	Mrs. A.C. Ferguson.

NATIVE NURSING AND HEALTH ASSISTANT STAFF

Native Nurse (Sobantu Village Dispensary)	:	Nurse Sophia Masongoa, Health Visitor's Cert. R.S.I.
Native Nurse and Midwife	:	Nurse Lulu Ngubane, S.A.M.C. Cert. (General and Midwifery).
Native Health Assistants	:	A.W. Mkoze, V. Mtombela, G. Rodolo and R. Chamane.

ISOLATION HOSPITAL/

ISOLATION HOSPITAL

Matron	:	E.C. Tiffin
Sisters	:	R. Browne, V.E. Kelly, M.B. Walker
Night Sister	:	K.E. Koen
Probationer Nurses	:	K. von Abo, A.S. du Toit
1 Housekeeper	:	M.E. Newton
14 Domestic Servants		
1 Native Night Watchman		

NON-EUROPEAN INFECTIOUS DISEASES HOSPITAL

Matron	:	C. Le Steers
1 Housekeeper	:	N. Wright
Native Staff Nurses	:	8
Native Probationer Nurses	:	5
Native Domestic Staff	:	22
Native Night Watchman	:	1

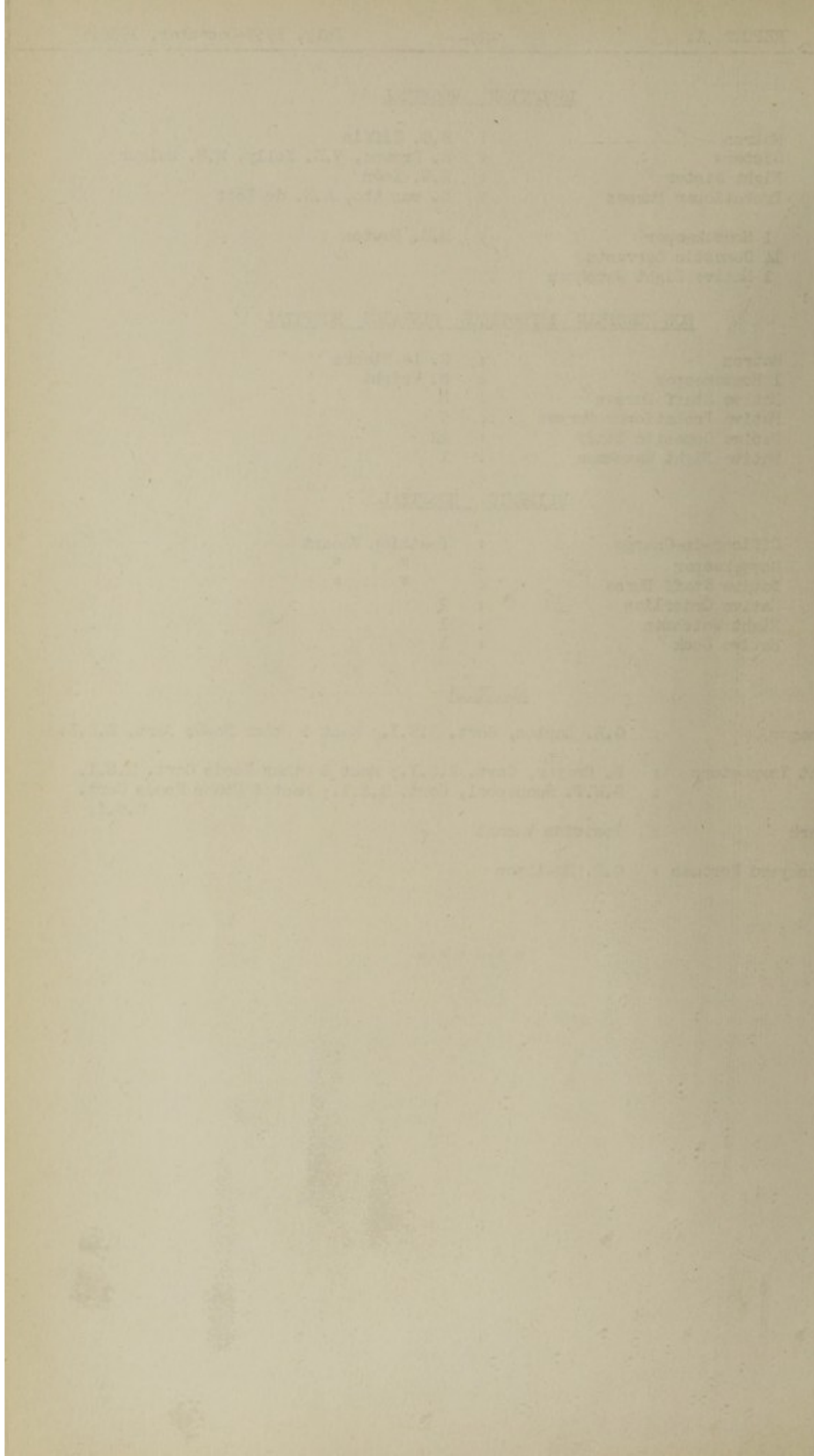
EPIDEMIC HOSPITAL

Officer-in-Charge	:	Position Vacant
Housekeeper	:	" "
Native Staff Nurse	:	" "
Native Orderlies	:	2
Night Watchman	:	1
Native Cook	:	1

ABATTOIR

Manager	:	G.B. Lupton, Cert. R.S.I.; Meat & Other Foods Cert. R.S.I.
Meat Inspectors	:	H. Droyer, Cert. R.S.I.; Meat & Other Foods Cert. R.S.I.
	:	S.W.P. Swanepool, Cert. R.S.I.; Meat & Other Foods Cert. R.S.I.
Clerk	:	Position Vacant
Stockyard Foreman	:	C.F. Heathman

* * * * *



REPORT B.(1) HOUSING.

The City Council built 1 house for Europeans and 54 flats and 15 houses at the Sobantu Village for Natives from July 1st, 1953-June 30th, 1954, and 33 houses for Natives from July 1st, 1954-December 31st, 1954.

Powers under the Borough By-Laws have been exercised sparingly in dealing with insanitary dwellings, owing to the acute housing shortage. 10 Dwellings were condemned for demolition under Public Health By-Law 19(b), (9 of these being demolished and 1 having been converted to an open shed by the end of the period under review), and 19 dwellings were voluntarily demolished during the period July to December, 1953. Most of the buildings demolished were insanitary back yard shacks occupied as dwellings by Natives. During 1954, 13 dwellings were condemned for demolition, 15 being demolished, 7 converted to storerooms, and in 1 action is still pending), while 12 dwellings were demolished voluntarily.

Plans.

All plans of new buildings are submitted by the City Engineer to this Department for our observations.

	Approved Outright	Approved Subject to Alterations	Disapproved	Referred for additional information	Total Submitted
July-Dec., 1953	242	53	27	19	341
1954	430	94	81	32	637

New Buildings.

The City Engineer reports that 158 dwellings were completed for Europeans from July 1st, 1953 to June 30th, 1954, and 149 in the second half of 1954. 17 Dwellings for Asiatics were built from July, 1953 - June, 1954, and 26 in the second half of 1954. This is in addition to the Council building detailed above.

(2) HOUSING OF NATIVES, NATIVE OR ASIATIC LOCATIONS OR BARRACKS.

The Pietermaritzburg Sobantu Village, situated about 3 miles from the centre of the Town, at Dec., 31st, 1954, contained 807 occupied houses and various public buildings, with an estimated population of 4,842. Water is supplied by communal standpipes from the Corporation Water Supply, and sanitation is by the pail system, separate for each house. Communal ablution blocks and laundries are provided. Provision for hot baths at a small charge has been made in the recently constructed ablution blocks, and this has proved very popular.

The City Council is continuing with the construction of further National (Sub-economic) Houses and has an economic scheme under consideration as well, at the Sobantu Village. All the houses at the Sobantu Village are being built by Native labour, under European supervision.

There are three Corporation Hostels for single Natives. For Males there is the newly extended East Street Hostel (and annexes) now housing 1,750 Natives, and the Ortman Road Hostel with a capacity of 110. The Women's Hostel in Church Street houses 274 women, and an additional Women's Hostel housing 204 Natives has been established at Oribi to serve the Government Village mainly. These Hostels are under the control of the Municipal Native Administration Department, and two European Superintendents are employed. The scheme for a new Women's Hostel to house over 700 has been shelved owing to the very high tender figures received when the contract was offered. 442 Temporary Licences were granted during the second half of 1953 to house unexempted Natives under the Natives (Urban Areas) Act, pending the provision of more accommodation at the Village and Hostels, and 491 were granted during 1954.

About 60% of the Natives resident in the Town live in quarters provided on the property of their employers. These

REPORT A.

The following is a list of the names of the persons who have been elected to the office of the President of the United States since the year 1789. The names are given in alphabetical order, and the year of election is given in parentheses. The names are given in the order in which they were elected, and the year of election is given in parentheses.

All of the names of the persons who have been elected to the office of the President of the United States since the year 1789 are given in the following list.

Year	Name	Year	Name	Year	Name
1789	George Washington	1801	James Madison	1821	James Monroe
1793	John Adams	1805	James Monroe	1825	James Madison
1797	Thomas Jefferson	1809	James Monroe	1829	James Madison
1801	James Madison	1813	James Monroe	1833	James Madison
1805	James Monroe	1817	James Monroe	1837	James Madison
1809	James Monroe	1821	James Monroe	1841	James Madison
1813	James Monroe	1825	James Madison	1845	James Madison
1817	James Monroe	1829	James Madison	1849	James Madison
1821	James Monroe	1833	James Madison	1853	James Madison
1825	James Madison	1837	James Madison	1857	James Madison
1829	James Madison	1841	James Madison	1861	James Madison
1833	James Madison	1845	James Madison	1865	James Madison
1837	James Madison	1849	James Madison	1869	James Madison
1841	James Madison	1853	James Madison	1873	James Madison
1845	James Madison	1857	James Madison	1877	James Madison
1849	James Madison	1861	James Madison	1881	James Madison
1853	James Madison	1865	James Madison	1885	James Madison
1857	James Madison	1869	James Madison	1889	James Madison
1861	James Madison	1873	James Madison	1893	James Madison
1865	James Madison	1877	James Madison	1897	James Madison
1869	James Madison	1881	James Madison	1901	James Madison
1873	James Madison	1885	James Madison	1905	James Madison
1877	James Madison	1889	James Madison	1911	James Madison

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These quarters are the subject of inspection by this Department and in general are satisfactory.

Asiatic Housing.

The Corporation owns two compounds which house the sewage farm workers and the scavenging gangs. These compounds are well constructed in brick, and house respectively 29 and 21 Asiatic Labourers, together with their wives and families, and also 13 single Asiatics and 24 single Natives, and 10 single Asiatics and 10 single Natives respectively.

The Council has appointed a Woman Housing Manager, trained under the Octavia Hill Scheme, who operates under the Estates Manager in the City Treasurer's Department.

(3) REMARKS AND RECOMMENDATIONS, AND HOUSING MATTERS OF SPECIAL IMPORTANCE REQUIRING ATTENTION.

The various estimates of housing requirements made by this Department in 1939, 1944 and 1945, were fully detailed in my 1944-1945 Report. No further surveys have been made. Summarised, these estimates revealed the following needs:-

Europeans	:	360 Dwellings
Natives	:	300 Dwellings
Coloureds	:	Approx. 50 Dwellings
Asiatics	:	Approx. 300 Dwellings

Since 1945, the following building has taken place:-

- (1) Europeans: a) 54 Houses.
b) 1,452 Dwellings and 244 Flats.
- (2) Natives: a) 412 Houses and 54 Flats.
b) Accommodation for 28 persons - aged and indigent Natives.
c) Additional Hostel accommodation for Native Males.
- (3) Coloureds: 28 National (Sub-economic) Houses.
- (4) Asiatics: 180 Houses (including 75 Sub-economic and National Houses).

Council Housing:

A scheme for 29 European Economic houses has now been submitted to the Natal Housing Board for approval.

A Housing Scheme for 100 'National' houses for Asiatics has been under consideration for some years now, and although funds were obtained for this scheme, the scheme was abandoned owing to objections raised to its siting. An alternative new site has now been proposed and approved provisionally, but final consent for the scheme now is held up until an economic survey of Asiatics in the City is submitted, so as to justify the need for such a sub-economic scheme. The original scheme has been extended by the addition of 100 Asiatic Economic Houses, bringing the total to 200 houses. A scheme for 50 'economic' houses for Coloureds adjoining the present Coloured 'national' housing scheme in Fitzsimmons Road has been approved and should be commenced during 1955.

Housing needs, as estimated 4 years ago, admittedly by "intelligent guesswork" only were as follows:-

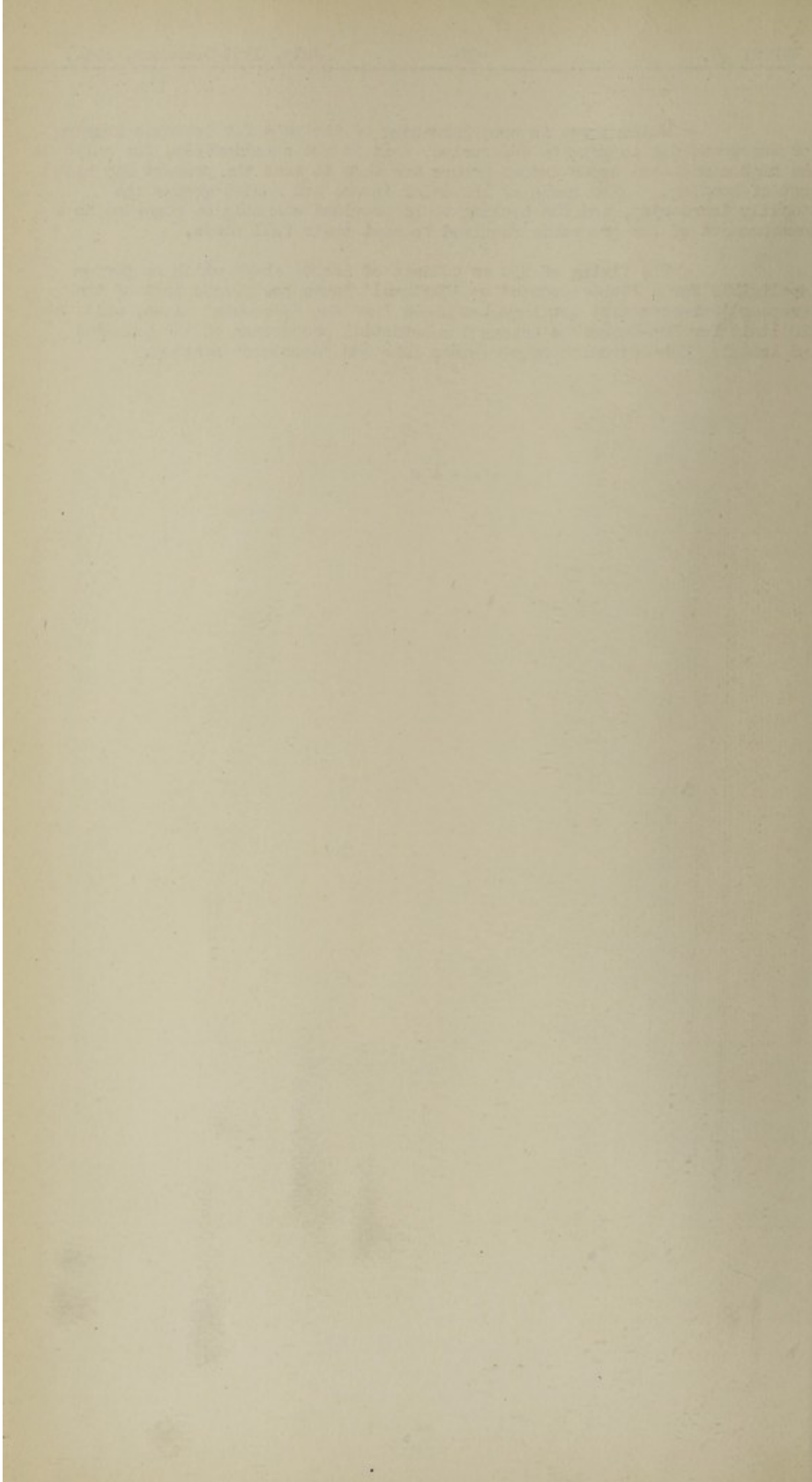
Europeans	:	Economic	400	Sub-economic	400
Natives	:	"	Nil	"	200
Coloureds	:	"	30	"	150
Asiatics	:	"	170	"	750

While/

While there is some lessening of the need for economic housing for Europeans due to private enterprise, this is not considerable, for only the high middle and upper income groups are able to meet the present day high cost of housing. The needs of the other income and racial groups are steadily increasing, and the housing to be provided can only be regarded as a commencement of the programme required to meet their full needs.

The fixing of £30 as a limit of income above which no person is eligible for a 'Sub-economic' or 'National' House now places most of the European 'Sub-economic' total quoted above into the "Economic" class, while the £20 limit for Non-Europeans brings a substantial proportion of the Coloured and Asiatic "Sub-economic" requirements into the "Economic" section.

* * * * *



DEATHS

The detailed International List of Causes of Death as adapted for use in the Union of South Africa (5th Decennial Revision by the International Commission) is used. The omission of any cause indicates no deaths were registered for that cause.

JULY 1st, 1953 - DECEMBER 31st, 1953.

	EUROPEAN			NATIVE			COLOURED			ASIATIC		
	RESIDENTS			RESIDENTS			RESIDENTS			RESIDENTS		
	M	F	P	M	F	P	M	F	P	M	F	P
<u>1) INFECTIVE AND PARASITIC DISEASES.</u>												
008. Meningococcal Meningitis	0	1	1	0	0	0	0	0	0	0	0	0
012. Diphtheria	0	0	0	0	1	1	0	0	0	0	0	0
<u>Tuberculosis of:-</u>												
015. Respiratory System	0	0	0	4	4	8	0	1	1	2	0	2
016. Central Nervous System	0	0	0	0	0	0	0	0	0	1	0	1
.....												
024. Tuberculosis, Acute Military	0	0	0	1	0	1	0	0	0	0	0	0
033. Amoebic Dysentery	0	0	0	1	0	1	0	0	0	0	0	0
<u>Syphilis:-</u>												
042. Aneurysm of Aorta	1	0	1	0	0	0	0	0	0	0	0	0
044. Other Forms	0	0	0	1	0	1	0	0	0	0	0	0
TOTAL : GROUP 1	1	1	2	7	5	12	0	1	1	3	0	3
<u>2) CANCER AND OTHER TUMOURS.</u>												
100. Buccal Cavity	1	0	1	0	0	0	0	0	0	0	0	0
102. Stomach and Duodenum	2	1	3	0	0	0	1	1	2	1	0	1
103. Rectum	0	0	0	0	0	0	0	0	0	0	0	0
104. Liver	1	0	1	0	1	1	0	0	0	0	0	0
105. Cancer of Pancreas	1	1	2	0	0	0	0	0	0	0	0	0
109. Lung	3	1	4	0	0	0	0	0	0	0	0	0
110. Uterus	0	1	1	0	0	0	0	0	0	0	1	1
111. Other female genital organs	0	2	2	0	0	0	0	0	0	0	0	0
112. Breast	0	1	1	0	0	0	0	0	0	0	0	0
117. Brain and Nervous System	0	2	2	0	0	0	0	0	0	0	0	0
119. Other and Unspecified Organs	0	1	1	0	0	0	0	0	0	0	0	0
TOTAL : GROUP 2	8	10	16	0	1	1	1	1	2	1	1	2
<u>3) RHEUMATISM, DISEASES OF NUTRITION, ETC.</u>												
152. Diabetes	0	0	0	0	0	0	0	0	0	2	1	3
163. Malnutrition	0	0	0	5	2	7	0	0	0	0	0	0
168. Pellagra	0	0	0	1	0	1	0	0	0	0	0	0
TOTAL : GROUP 3	0	0	0	6	2	8	0	0	0	2	1	3
<u>4) DISEASES OF THE BLOOD.</u>												
203. Pernicious Anaemia	2	0	2	0	0	0	0	0	0	0	0	0
207. Leukaemias -- Leukaemic	1	0	1	0	0	0	0	0	0	1	0	1
214. Other diseases of the blood	0	0	0	0	0	0	0	0	0	1	0	1
TOTAL : GROUP 4	3	0	3	0	0	0	0	0	0	2	0	2

Total C/Forward

12 11 23 13 8 21 1 2 3 8 2 10

DEATHS Cont'd.

JULY 1st, 1953 - DECEMBER 31st, 1953.

	EUROPEAN			NATIVE			COLOURED			ASIATIC		
	RESIDENTS			RESIDENTS			RESIDENTS			RESIDENTS		
	M	F	P	M	F	P	M	F	P	M	F	P
Total B/Forward	12	11	23	13	8	21	1	2	3	8	2	10
<u>6) DISEASES OF THE NERVOUS SYSTEM.</u>												
302. Pneumococcal Meningitis	0	1	1	0	0	0	0	0	0	0	0	0
303. Meningitis - Other Forms	1	0	1	0	0	0	0	0	0	0	0	0
304. Diseases of Medulla and Spinal Cord	0	1	1	0	0	0	0	0	0	0	0	0
305. Cerebral Haemorrhage	5	7	12	1	0	1	1	0	1	6	0	6
306. Cerebral Embolism and Thrombosis	2	5	7	0	1	1	0	0	0	0	0	0
308. Mental Disorders and Deficiency	1	0	1	0	0	0	0	0	0	0	0	0
309. Epilepsy	0	0	0	1	0	1	0	0	0	0	0	0
310. Convulsions in children under 5	0	0	0	0	0	0	0	0	0	0	1	1
313. Paralysis Agitans	1	0	1	0	0	0	0	0	0	0	0	0
TOTAL : GROUP 6	10	14	24	2	1	3	1	0	1	6	1	7
<u>7) DISEASES OF THE CIRCULATORY SYSTEM.</u>												
353. Valvular Disease - Rheumatic	0	1	1	0	1	1	0	0	0	0	0	0
354. Valvular Disease - Other Forms	0	0	0	1	0	1	0	0	0	0	0	0
355. Acute Myocarditis	0	1	1	0	0	0	0	0	0	0	0	0
356. Chronic Myocarditis specified as Rheumatic	0	1	1	0	0	0	0	0	0	0	0	0
357. Other Chronic Myocarditis	9	7	16	3	0	3	1	2	3	6	1	7
358. Diseases of the Coronary Arteries and angina pectoris	11	10	21	0	1	1	2	0	2	9	5	14
359. Heart Disease spec. Rheumatic	1	0	1	0	0	0	0	0	0	0	0	0
360. Other Heart Diseases not specified as Rheumatic	5	1	6	1	0	1	1	1	2	4	1	5
362. Arterio sclerosis	1	0	1	0	0	0	0	0	0	1	0	1
367. High Blood Pressure	2	4	6	1	1	2	0	0	0	1	0	1
368. Other diseases of the Circu- latory System	1	0	1	0	0	0	0	0	0	0	0	0
TOTAL : GROUP 7	30	25	55	6	3	9	4	3	7	21	7	28
<u>8) DISEASES OF THE RESPIRATORY SYSTEM.</u>												
402. Acute Bronchitis	0	0	0	0	1	1	0	0	0	0	1	1
403. Chronic Bronchitis	0	0	0	0	0	0	0	0	0	0	1	1
404. Broncho Pneumonia	1	1	2	8	2	10	1	0	1	2	0	2
405. Lobar Pneumonia	2	1	3	6	5	11	1	0	1	0	1	1
406. Pneumonia Unspecified	0	1	1	2	0	2	0	1	1	0	0	0
408. Other Unspec. Pleurisy	0	0	0	1	0	1	0	0	0	0	0	0
409. Haem. Infarction of lungs, etc.	3	0	2	0	0	0	0	0	0	0	1	1
410. Chronic or unspec. congestion of lungs	0	3	3	0	0	0	0	0	0	0	0	0
411. Asthma	3	0	3	0	0	0	0	0	0	2	0	2
418. Other Diseases of Respiratory System not specified as occupational	0	0	0	1	0	1	0	0	0	0	0	0
TOTAL : GROUP 8	9	6	15	18	8	26	2	1	3	4	4	8
Total C/Forward	61	56	117	39	20	59	8	6	14	39	14	53

DEATHS Cont'd.

JULY 1st, 1953 - DECEMBER 31st, 1953.

	EUROPEAN RESIDENTS			NATIVE RESIDENTS			COLOURED RESIDENTS			ASIATIC RESIDENTS		
	M	F	P	M	F	P	M	F	P	M	F	P
Total B/Forward	61	56	117	39	20	59	8	6	14	39	14	53
9) <u>DISEASES OF THE DIGESTIVE SYSTEM.</u>												
455. Ulcers of the Stomach	1	0	1	0	0	0	0	0	0	0	0	0
456. Ulcers of the Duodenum	1	0	1	0	0	0	0	0	0	0	0	0
458. Diarrhoea and Enteritis (under 2 years)	0	0	0	10	7	17	1	1	2	1	1	2
459. Diarrhoea and Enteritis (over 2 years)	0	0	0	0	5	5	0	0	0	2	0	2
461. Appendicitis	0	1	1	0	0	0	0	0	0	0	0	0
463. Intestinal Obstruction	0	0	0	0	0	0	0	0	0	1	0	1
464. Diverticulitis	1	0	1	0	0	0	0	0	0	0	0	0
465. Other Diseases of the Intestines	1	0	1	0	0	0	0	0	0	0	0	0
467. Cirrhosis of Liver without alcoholism	1	0	1	0	0	0	1	0	1	0	0	0
TOTAL : GROUP 9	5	1	6	10	12	22	2	1	3	4	1	5
10) <u>DISEASES OF THE URINARY AND GENITAL SYSTEMS.</u>												
502. Nephritis, not stated to be acute or chronic	0	0	0	0	0	0	0	0	0	1	0	1
504. Other dis. Kidneys and Ureters	1	0	1	0	0	0	0	0	0	0	0	0
505. Calculi of the Urinary Passages	0	1	1	0	0	0	0	0	0	0	0	0
509. Hypertrophy Prostate	1	0	1	0	0	0	0	0	0	0	0	0
TOTAL : GROUP 10	2	1	3	0	0	0	0	0	0	1	0	1
14) <u>CONGENITAL MALFORMATIONS.</u>												
709. Unspecified congenital malformations	1	0	1	0	0	0	0	0	0	0	0	0
TOTAL : GROUP 14	1	0	1	0	0	0	0	0	0	0	0	0
15) <u>DISEASES PECULIAR TO THE FIRST YEAR OF LIFE.</u>												
750. Congenital debility	0	0	0	0	0	0	0	0	0	0	1	1
751. Premature Birth	2	2	4	3	0	3	0	1	1	3	1	4
752. Injury at birth - intracranial haemorrhage	0	0	0	0	0	0	1	0	1	1	1	2
754. Asphyxia during or after birth	0	1	1	0	0	0	0	0	0	0	1	1
TOTAL : GROUP 15	2	3	5	3	0	3	1	1	2	4	4	8
16) <u>SENILITY.</u>												
800. Senility (age 65 and over)	3	5	8	0	2	2	0	0	0	0	1	1
TOTAL : GROUP 16	3	5	8	0	2	2	0	0	0	0	1	1
Total C/Forward	74	66	140	52	34	86	11	8	19	48	20	68

DEATHS Cont'd.

JULY 1st, 1953 - DECEMBER 31st, 1953.

	EUROPEAN			NATIVE			COLOURED			ASIATIC		
	RESIDENTS			RESIDENTS			RESIDENTS			RESIDENTS		
	M	F	P	M	F	P	M	F	P	M	F	P
Total B/Forward	72	66	240	52	34	86	11	8	19	48	20	68
17) <u>VIOLENT OR ACCIDENTAL DEATHS.</u>												
856. Hanging or Strangulation (suicide)	0	0	0	2	0	2	0	0	0	0	0	0
858. Firearms and explosives	1	0	1	0	0	0	0	0	0	0	0	0
866. Homicide by cutting or piercing instruments	0	0	0	3	1	4	0	0	0	0	0	0
868. Accidents on Railways	0	0	0	1	0	1	0	0	0	0	0	0
871. Other accidents (Motor- driven Road Vehicles)	5	1	6	0	0	0	0	0	0	0	0	0
872. Other Accidents (Motor-driven cycles)	1	0	1	0	0	0	0	0	0	0	0	0
877. Other accidents (Pedal cycles)	0	0	0	1	0	1	0	0	0	0	0	0
891. Accidental Burns	0	0	0	0	1	1	0	0	0	0	0	0
892. Accidental Drowning	0	0	0	1	0	1	0	0	0	0	0	0
906. Anaesthetic accidents	1	0	1	0	0	0	0	0	0	0	0	0
908. Other and Unspecified accidents	2	1	3	1	0	1	0	0	0	1	0	1
TOTAL : GROUP 17	10	2	12	9	2	11	0	0	0	1	0	1
18) <u>ILL-DEFINED CAUSES OF DEATH.</u>												
950. Sudden Death	0	1	1	0	0	0	0	0	0	0	0	0
951. Ill-defined causes	3	1	4	6	1	7	0	1	1	0	1	1
952. Found dead, cause unknown	0	1	1	0	0	0	0	0	0	0	0	0
TOTAL : GROUP 18	3	3	6	6	1	7	0	1	1	0	1	1
TOTAL	87	72	158	67	37	104	11	9	20	49	21	70

THE UNIVERSITY OF CHICAGO									
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120
121	122	123	124	125	126	127	128	129	130
131	132	133	134	135	136	137	138	139	140
141	142	143	144	145	146	147	148	149	150
151	152	153	154	155	156	157	158	159	160
161	162	163	164	165	166	167	168	169	170
171	172	173	174	175	176	177	178	179	180
181	182	183	184	185	186	187	188	189	190
191	192	193	194	195	196	197	198	199	200

DEATHS.

The detailed International List of Causes of Death as adapted for use in the Union of South Africa (5th Decennial Revision by the International Commission) is used. The omission of any cause indicates no deaths were registered for that cause.

JANUARY 1st, 1954 - DECEMBER 31st, 1954.

	EUROPEAN			NATIVE			COLOURED			ASIATIC		
	RESIDENTS			RESIDENTS			RESIDENTS			RESIDENTS		
	M	F	P	M	F	P	M	F	P	M	F	P
1) INFECTIVE AND PARASITIC DISEASES.												
008. Cerebrospinal Mgc. Meningitis	1	0	1	0	0	0	0	1	1	0	0	0
011. Whooping Cough	0	0	0	1	1	2	0	1	1	0	0	0
012. Diphtheria	0	0	0	0	1	1	0	0	0	0	2	2
014. Tetanus	0	0	0	1	0	1	0	0	0	0	0	0
<u>Tuberculosis of:-</u>												
015. Respiratory System	2	1	3	3	3	6	1	1	2	1	4	5
016. Central Nervous System	0	0	0	1	1	2	0	0	0	1	0	1
017. Intestines and Peritoneum	0	0	0	0	0	0	0	0	0	0	1	1
021. Lymphatic System	0	0	0	0	0	0	0	0	0	1	0	1
.....												
027. Purulent infection and Septicaemia (non puerperal)	0	0	0	2	0	2	0	0	0	0	1	1
033. Amoebic Dysentery	0	0	0	1	0	1	1	0	1	0	0	0
<u>Syphilis:-</u>												
042. Aneurysm of Aorta	0	0	0	0	1	1	0	0	0	0	0	0
.....												
049. Influenza without Respiratory Complications Specified.	0	2	2	1	0	1	0	0	0	0	0	0
.....												
070. Nematodes - round	0	0	0	1	0	1	0	0	0	0	0	0
TOTAL : GROUP 1	3	3	6	11	7	18	2	3	5	3	8	11
2) CANCER AND OTHER TUMOURS.												
101. Oesophagus	1	0	1	0	0	0	0	0	0	0	0	0
102. Stomach and Duodenum	3	4	7	0	0	0	0	0	0	1	0	1
103. Rectum	4	1	5	0	0	0	0	0	0	0	0	0
104. Liver	1	1	2	1	0	1	0	0	0	0	1	1
106. Other digestive organs (Including Peritoneum)	1	3	4	0	0	0	0	0	0	0	0	0
109. Lung	4	1	5	0	0	0	1	1	2	0	0	0
110. Uterus	0	2	2	0	1	1	0	1	1	0	1	1
111. Other female genital organs	0	1	1	0	0	0	0	0	0	0	0	0
112. Breast	0	3	3	0	0	0	0	0	0	0	0	0
113. Prostate	5	0	5	0	0	0	0	0	0	0	0	0
117. Brain and Nervous System	1	0	1	0	0	0	0	0	0	0	1	1
118. Bones	0	1	1	0	0	0	0	0	0	0	0	0
TOTAL : GROUP 2	20	17	37	1	1	2	1	2	3	1	3	4
3) RHEUMATISM, DISEASES OF NUTRITION, ETC.												
150. Chronic Rheumatism: Osteo-Arthritis, etc.	0	0	0	1	0	1	0	1	1	0	0	0
152. Diabetes	3	2	5	1	0	1	0	0	0	2	1	3
163. Malnutrition	0	0	0	5	6	11	0	3	3	0	3	3
164. Other General Diseases	1	0	1	0	0	0	0	0	0	0	0	0
TOTAL : GROUP 3	4	2	6	7	6	13	0	4	4	2	4	6

Total C/Forward

27 22 49 19 14 33 3 9 12 6 15 21

DEATHS Cont'd.

JANUARY 1st, 1954 - DECEMBER 31st, 1954.

	EUROPEAN			NATIVE			COLOURED			ASIATIC		
	RESIDENTS			RESIDENTS			RESIDENTS			RESIDENTS		
	M	F	P	M	F	P	M	F	P	M	F	P
Total B/Forward	27	22	49	19	14	33	3	9	12	6	15	21
4) <u>DISEASES OF THE BLOOD</u>												
200. Primary Purpura	0	0	0	0	0	0	0	0	0	0	1	1
207. Leukaemia	0	0	0	0	1	1	0	0	0	0	0	0
208. Aleukaemic Leukaemia	1	0	1	0	0	0	0	0	0	0	0	0
TOTAL : GROUP 4	1	0	1	0	1	1	0	0	0	0	1	1
6) <u>DISEASES OF THE NERVOUS SYSTEM</u>												
300. Intra-cranial abscess	0	1	1	0	0	0	1	0	1	0	0	0
301. Encephalitis (non-epidemic)-- other forms	0	1	1	0	0	0	0	0	0	0	0	0
302. Pneumococcal Meningitis	0	0	0	0	0	0	0	0	0	1	0	1
303. Other Forms of Meningitis	0	0	0	0	1	1	0	0	0	0	0	0
305. Cerebral Haemorrhage	13	17	30	2	1	3	2	1	3	4	8	12
306. Cerebral Embolism and Thrombosis	0	0	0	0	0	0	0	0	0	0	0	0
307. Hemiplegia and other Paralysis of unstated origin	0	0	0	0	0	0	0	0	0	0	1	1
309. Epilepsy	0	2	2	0	1	1	0	0	0	1	0	1
TOTAL : GROUP 6	13	21	34	2	3	5	3	1	4	6	9	15
7) <u>DISEASES OF THE CIRCULATORY SYSTEM</u>												
351. Other Pericarditis	0	0	0	0	1	1	0	0	0	0	0	0
353. Valvular Disease - Rheumatic	1	1	2	0	1	1	0	0	0	0	1	1
355. Acute Myocarditis	1	0	1	0	0	0	0	0	0	0	0	0
357. Other Chronic Myocarditis	5	6	11	1	0	1	0	0	0	0	2	2
358. Diseases of the Coronary Arteries and angina pectoris	31	17	48	0	4	4	1	0	1	14	2	16
360. Other Heart Diseases not speci- fied as Rheumatic	17	13	30	6	6	12	2	1	3	10	2	12
361. Aneurysm, except of heart and aorta	1	0	1	0	0	0	0	0	0	0	0	0
362. Arterio sclerosis	3	2	5	0	0	0	0	0	0	0	0	0
364. Other diseases of the arteries	0	1	1	0	0	0	0	0	0	0	0	0
365. Diseases of the veins	1	0	1	0	0	0	0	0	0	0	0	0
367. High blood pressure	6	4	10	2	0	2	0	0	0	1	3	4
368. Other diseases of the Circu- latory System	1	0	1	0	0	0	0	0	0	0	0	0
TOTAL : GROUP 7	67	44	111	9	12	21	3	1	4	25	10	35
Total C/Forward	108	87	195	30	30	60	9	11	20	37	35	72

DEATHS Cont'd.

JANUARY 1st, 1954 - DECEMBER 31st, 1954.

	EUROPEAN			NATIVE			COLOURED			ASIATIC		
	RESIDENTS			RESIDENTS			RESIDENTS			RESIDENTS		
	M	F	P	M	F	P	M	F	P	M	F	P
Total B/Forward	108	87	195	30	30	60	9	11	20	37	35	72
8) <u>DISEASES OF THE RESPIRATORY SYSTEM</u>												
401. Diseases of the Larynx	0	0	0	1	0	1	0	0	0	0	0	0
402. Acute Bronchitis	1	0	1	0	1	1	0	0	0	0	0	0
403. Chronic Bronchitis	1	0	1	1	0	1	0	0	0	0	0	0
404. Broncho Pneumonia	6	0	6	11	12	23	1	1	2	8	4	12
405. Lobar Pneumonia	4	2	6	2	5	7	1	0	1	4	0	4
406. Pleurisy - unspecified	0	0	0	2	0	2	0	0	0	0	0	0
409. Haem. Infarction of lungs, etc.	1	0	1	0	0	0	0	0	0	0	0	0
410. Chronic or unspecified congestion of lungs	3	2	5	1	0	1	0	0	0	0	0	0
411. Asthma	1	0	1	0	0	0	0	0	0	2	1	3
416. Gangrene of the Lung	1	0	1	0	0	0	0	0	0	0	0	0
417. Abscess of the Lung	0	0	0	0	1	1	0	0	0	0	0	0
418. Other Diseases of Respiratory System not specified as occupational	0	0	0	0	1	1	0	0	0	0	0	0
TOTAL : GROUP 8	18	4	22	18	20	38	2	1	3	14	5	19
9) <u>DISEASES OF THE DIGESTIVE SYSTEM</u>												
453. Diseases of the buccal cavity and annexa - unspec. sites	1	0	1	0	0	0	0	0	0	0	0	0
455. Ulcers of the Stomach	1	0	1	0	0	0	0	0	0	0	0	0
458. Diarrhoea and Enteritis (under 2 years)	3	0	3	25	17	42	5	3	8	8	4	12
459. Diarrhoea and Enteritis (over 2 years)	0	2	2	3	2	5	2	0	2	2	1	3
460. Ulceration of Intestines	1	0	1	0	0	0	0	0	0	0	0	0
461. Appendicitis	1	0	1	0	1	1	1	0	1	0	0	0
463. Intestinal Obstruction	1	0	1	0	0	0	0	0	0	0	0	0
465. Other Diseases of the Intestines	0	1	1	0	0	0	0	0	0	0	0	0
466. Cirrhosis of Liver - with alcoholism	0	0	0	1	0	1	0	0	0	0	0	0
467. Cirrhosis of Liver without alcoholism	1	1	2	0	1	1	0	0	0	0	0	0
468. Acute Yellow Atrophy of Liver	1	0	1	0	1	1	0	0	0	0	0	0
469. Other diseases of Liver	1	0	1	1	0	1	0	0	0	0	0	0
470. Biliary Calculi	0	1	1	0	0	0	0	0	0	0	0	0
TOTAL : GROUP 9	11	5	16	30	22	52	8	3	11	10	5	15
10) <u>DISEASES OF THE URINARY AND GENITAL SYSTEMS</u>												
501. Chronic Nephritis	3	4	7	2	2	4	0	0	0	4	1	5
503. Pyelitis	0	1	1	0	0	0	0	0	0	0	0	0
504. Oth. Diseases of Kidneys and Ureters	0	1	1	0	0	0	0	0	0	0	0	0
505. Calculi of Urinary Passages	0	0	0	0	1	1	0	0	0	0	0	0
509. Hypertrophy Prostate	2	0	2	0	0	0	1	0	1	0	0	0
TOTAL : GROUP 10	5	6	11	2	3	5	1	0	1	4	1	5

Total C/Forward

142 102 244 80 75 155 20 15 35 65 46 111

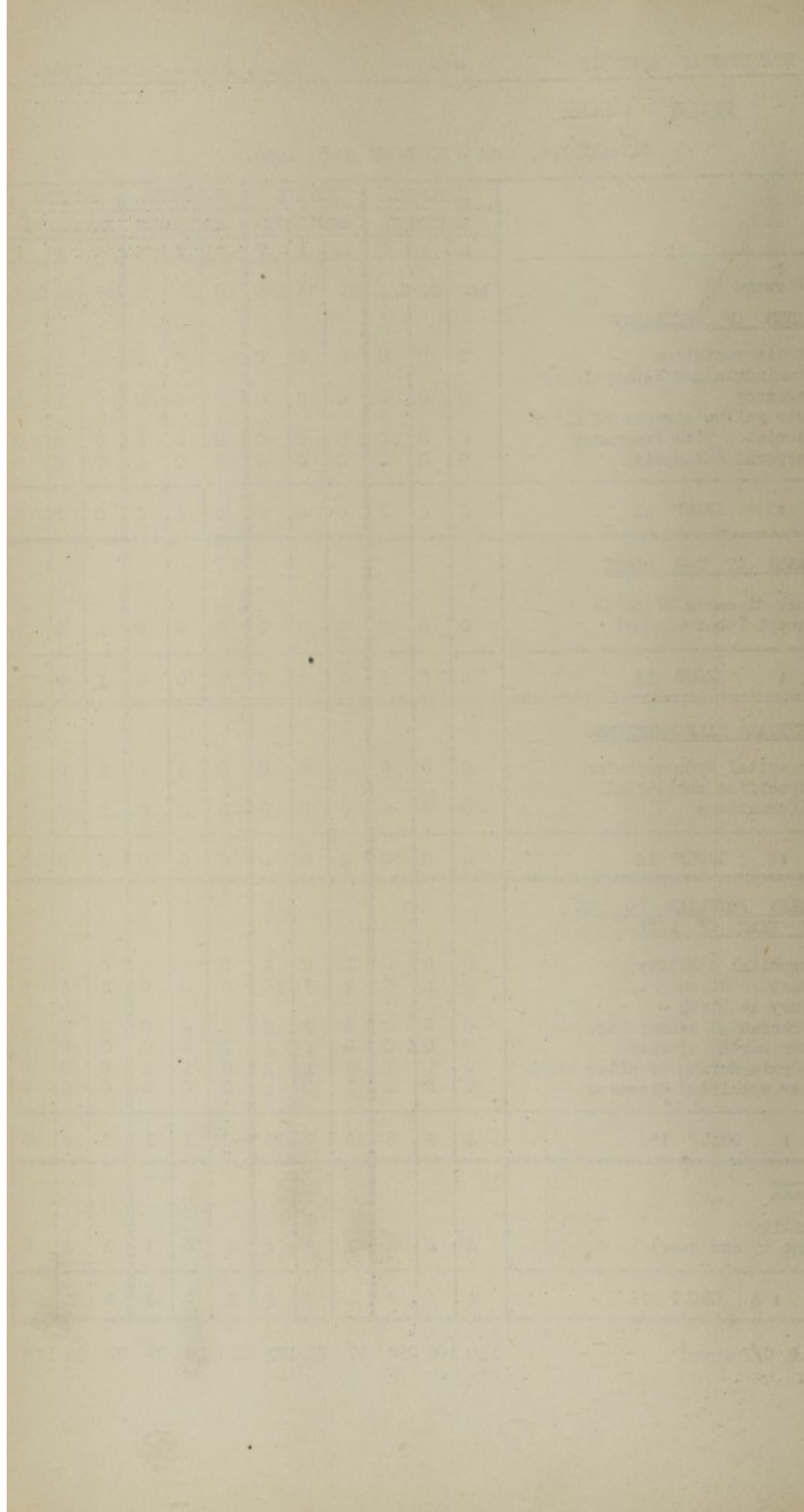
DEATHS Cont'd.

JANUARY 1st, 1954 - DECEMBER 31st, 1954.

	EUROPEAN			NATIVE			COLOURED			ASIATIC		
	RESIDENTS			RESIDENTS			RESIDENTS			RESIDENTS		
	M	F	P	M	F	P	M	F	P	M	F	P
Total B/Forward	142	102	244	80	75	155	20	15	35	65	46	111
11) <u>DISEASES OF PREGNANCY</u>												
554. Ectopic gestation	0	0	0	0	0	0	0	0	0	0	1	1
559. Albuminuria and Nephritis of Pregnancy	0	0	0	0	0	0	0	0	0	0	1	1
560. Acute yellow atrophy of liver associated with Pregnancy	0	0	0	0	0	0	0	0	0	0	0	0
570. Puerperal Eclampsia	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL : GROUP 11	0	0	0	0	0	0	0	0	0	0	2	2
13) <u>DISEASES OF THE BONES</u>												
651. Other diseases of bones (except Tuberculosis)	0	0	0	0	0	0	0	0	0	1	0	1
TOTAL : GROUP 13	0	0	0	0	0	0	0	0	0	1	0	1
14) <u>CONGENITAL MALFORMATIONS.</u>												
700. Congenital Hydrocephalus	0	0	0	0	0	0	0	0	0	1	0	1
709. Unspecified congenital malformations	0	0	0	0	0	0	0	0	0	1	0	1
TOTAL : GROUP 14	0	0	0	0	0	0	0	0	0	2	0	2
15) <u>DISEASES PECULIAR TO THE FIRST YEAR OF LIFE</u>												
750. Congenital debility	0	0	0	1	0	1	0	0	0	0	0	0
751. Premature Birth	4	1	5	7	3	10	0	0	0	2	4	6
752. Injury at birth - intracranial haemorrhage	0	0	0	6	2	8	0	0	0	0	0	0
753. Other birth injuries	0	0	0	0	1	1	0	0	0	0	0	0
754. Asphyxia during or after birth	0	1	1	1	1	2	0	1	1	0	0	0
758. Other specified diseases	0	0	0	1	0	1	0	0	0	0	0	0
TOTAL : GROUP 15	4	2	6	16	7	23	0	1	1	2	4	6
16) <u>SENILITY</u>												
800. Senility (age 65 and over)	4	4	8	1	3	4	1	0	1	2	4	6
TOTAL : GROUP 16	4	4	8	1	3	4	1	0	1	2	4	6

Total C/Forward

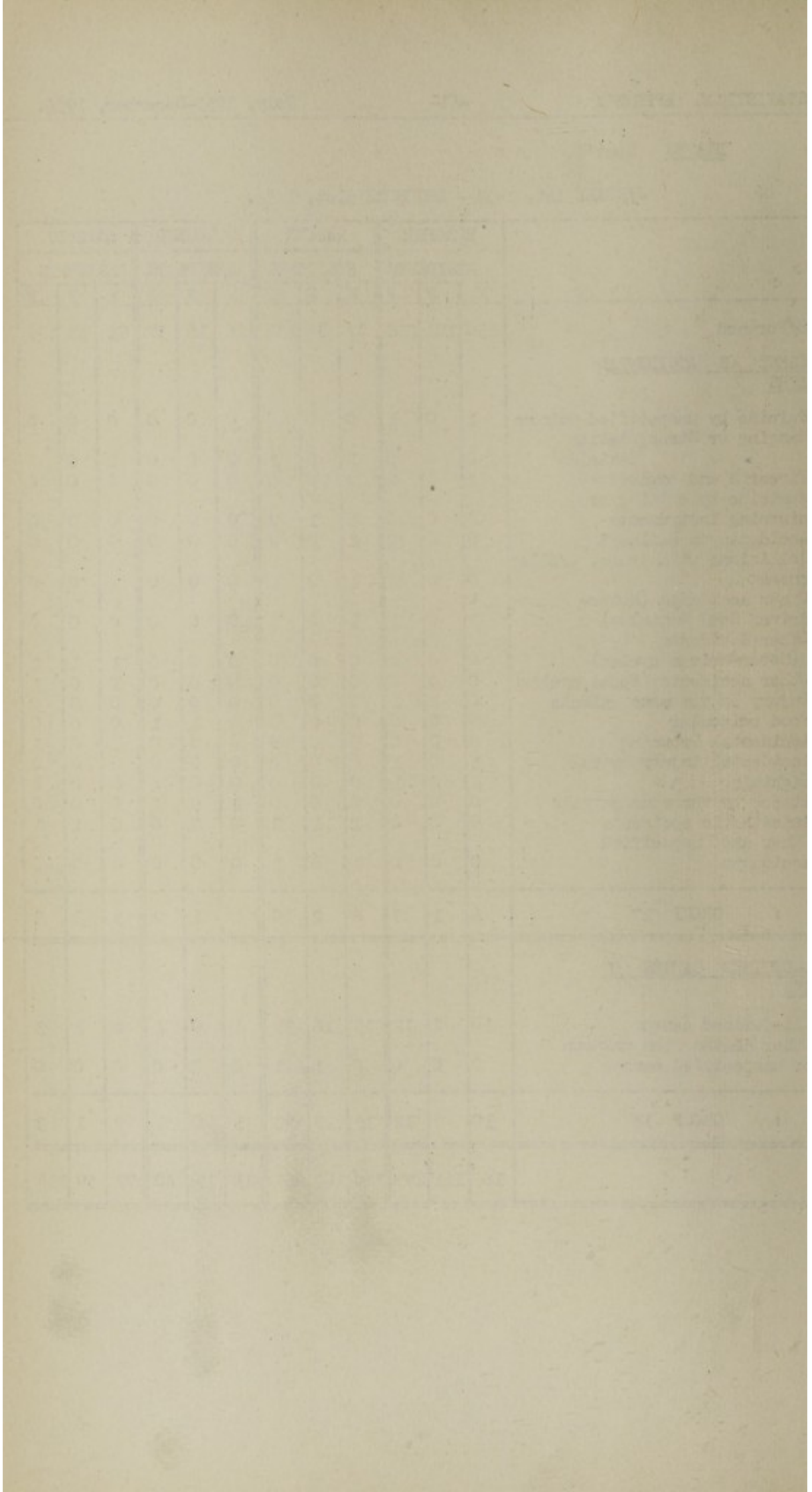
150 108 258 97 85 182 21 16 37 72 56 128



DEATHS Cont'd.

JANUARY 1st, 1954 - DECEMBER 31st, 1954.

	EUROPEAN			NATIVE			COLOURED			ASIATIC		
	RESIDENTS			RESIDENTS			RESIDENTS			RESIDENTS		
	M	F	P	M	F	P	M	F	P	M	F	P
Total B/Forward	150	108	258	97	85	182	21	16	37	72	56	128
17) <u>VIOLENT OR ACCIDENTAL DEATHS</u>												
852. Suicide by unspecified poisons	1	0	1	0	0	0	0	0	0	0	0	0
856. Hanging or Strangulation (suicide)	0	0	0	1	0	1	0	0	0	0	0	0
858. Firearms and explosives	2	0	2	0	0	0	0	0	0	0	0	0
866. Homicide by cutting or piercing instruments	0	0	0	1	1	2	0	0	0	0	0	0
868. Accidents on Railways	0	0	0	2	0	2	0	0	0	0	0	0
870. Collisions with trams, trolley buses	0	0	0	1	0	1	0	0	0	0	0	0
871. Other accidents (Motor-driven Road Vehicles)	1	0	1	1	0	1	0	0	0	0	0	0
874. Other Accidents (Motor-driven cycles)	0	0	0	0	0	0	0	0	0	1	1	2
877. Other accidents (Pedal cycles)	0	0	0	0	0	0	0	0	0	1	0	1
883. Injury by venomous animals	0	1	1	0	0	0	0	0	0	0	0	0
887. Food poisoning	0	0	0	0	0	0	0	1	1	0	0	0
893. Accidental Drowning	0	0	0	0	0	0	0	0	0	1	0	1
896. Accidental injury by fall	1	0	1	0	0	0	0	0	0	0	0	0
903. Lightning	1	0	1	0	0	0	0	0	0	0	0	0
905. Attack by venomous animals	0	0	0	0	0	0	1	0	1	0	0	0
906. Anaesthetic accidents	0	0	0	1	1	2	0	0	0	0	1	1
908. Other and Unspecified Accidents	0	0	0	1	0	1	0	0	0	0	0	0
TOTAL : GROUP 17	6	1	7	8	2	10	1	1	2	3	2	5
18) <u>ILL-DEFINED CAUSES OF DEATH</u>												
951. Ill-defined causes	10	2	12	15	16	31	1	0	1	2	1	3
953. Other deaths from unknown or unspecified causes	0	0	0	0	1	1	0	0	0	0	0	0
TOTAL : GROUP 18	10	2	12	15	17	32	1	0	1	2	1	3
TOTAL	166	111	277	120	104	224	23	17	40	77	59	136



INFANTILE MORTALITY

(under 1 year)

CAUSES OF DEATH

January 1st, 1954 - December 31st, 1954.

	EUROPEAN			NATIVE			COLOURED			ASIATIC			ALL NON-BR		
	M	F	P	M	F	P	M	F	P	M	F	P	M	F	P
011. Whooping Cough	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
012. Diphtheria	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1
016. Tuberculosis - Central Nervous System	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
027. Purulent infection and septicaemia (non-puerperal)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
049. Influenza without respiratory complications specified	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
070. Round Worms	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
163. Malnutrition	0	0	0	2	3	5	0	1	1	0	2	2	2	6	8
164. Other general diseases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
302. Meningitis pneumococcal	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1
303. Meningitis - Other forms	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
360. Other diseases of the heart not specified as rheumatic	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
402. Acute Bronchitis	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1
404. Broncho Pneumonia	2	0	2	4	9	13	0	0	0	6	4	10	10	13	23
405. Lobar Pneumonia	1	0	1	1	2	3	0	0	0	0	0	0	1	2	3
411. Asthma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
418. Other diseases of the lung	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1
458. Diarrhoea and Enteritis	3	0	3	18	12	30	4	2	6	8	3	11	30	17	47
500. Acute Nephritis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
501. Chronic Nephritis	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1
700. Congenital hydrocephalus	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1
704. Congenital pyloric stenosis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
709. Unspecified congenital malformations	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1
750. Congenital debility	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
751. Premature birth	4	1	5	7	3	10	0	0	0	2	4	6	9	7	16
752. Intra-cranial or spinal haemorrhage	0	0	0	6	2	8	0	0	0	0	0	0	6	2	8
753. Other birth injuries	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1
754. Asphyxia, Atelectasis	0	1	1	1	1	2	0	1	1	0	0	0	1	2	3
758. Other specified diseases	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
874. Other accidents - motor driven cycles	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1
891. Accidental burns	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
908. Other and unspecified accidents	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
951. Ill-defined causes	0	1	1	6	9	15	1	0	1	1	0	1	8	9	17
952. Found dead, cause unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
953. Other deaths from unknown or unspecified causes	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1
TOTAL :	11	3	14	50	46	96	5	4	9	22	13	35	77	63	140

INFANTILE MORTALITY

(under 1 year)

CAUSES OF DEATH

July 1st, 1953 - December 31st, 1953.

	EUROPEAN			NATIVE			COLOURED			ASIATIC			ALL NON-EP.		
	M	F	P	M	F	P	M	F	P	M	F	P	M	F	P
015. Pulmonary Tuberculosis	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
024. Acute Miliary Tuberculosis	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
163. Malnutrition	0	0	0	3	2	5	0	0	0	0	0	0	3	2	5
168. Pellagra	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
214. Other diseases of blood	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1
303. Meningitis - Other forms	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
402. Acute Bronchitis	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1
404. Broncho Pneumonia	0	0	0	5	2	7	1	0	1	2	0	2	8	2	10
405. Lobar Pneumonia	0	0	0	2	2	4	1	0	1	0	0	0	3	2	5
406. Pneumonia - unspecified	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
458. Diarrhoea and Enteritis (under 2 years)	0	0	0	8	5	13	1	0	1	0	1	1	9	6	15
502. Nephritis, not stated acute or chronic	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1
709. Unspecified congenital malformations	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
750. Congenital debility	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1
751. Premature Birth	2	2	4	3	0	3	0	1	1	3	1	4	6	2	8
752. Intra-cranial or spinal haemorrhage	0	0	0	0	0	0	1	0	1	1	1	2	2	1	3
754. Asphyxia, Atelectasis	0	1	1	0	0	0	0	0	0	0	1	1	0	1	1
951. Ill-defined causes	0	0	0	2	0	2	0	0	0	0	0	0	2	0	2
TOTAL :	4	4	8	26	12	38	4	1	5	8	5	13	38	18	56

INFANTILE MORTALITY

RESIDENTS

July 1st, 1953 - December 31st, 1953.

	EUROPEAN			NATIVE			COLOURED			ASIATIC			ALL NON-EUR		
	M	F	P	M	F	P	M	F	P	M	F	P	M	F	P
During 1st Week	3	4	7	3	0	3	1	1	2	4	3	7	8	4	12
1st Week - 1 Month	0	0	0	4	0	4	0	0	0	1	1	2	5	1	6
1 Month - 2 Months	1	0	1	3	2	5	0	0	0	0	1	1	3	3	6
3 Months - 5 Months	0	0	0	6	4	10	1	0	1	1	0	1	8	4	12
6 Months - 8 Months	0	0	0	4	4	8	2	0	2	0	0	0	6	4	10
9 Months - 11 Months	0	0	0	6	2	8	0	0	0	2	0	2	8	2	10
TOTAL :	4	4	8	26	12	38	4	1	5	8	5	13	38	18	56

RESIDENTS

January 1st, 1954 - December 31st, 1954.

	EUROPEAN			NATIVE			COLOURED			ASIATIC			ALL NON-EUR		
	M	F	P	M	F	P	M	F	P	M	F	P	M	F	P
During 1st Week	4	3	7	12	10	22	0	1	1	4	2	6	16	13	29
1st Week - 1 Month	1	0	1	6	3	9	0	0	0	1	3	4	7	6	13
1 Month - 2 Months	1	0	1	6	5	11	0	1	1	1	4	5	7	10	17
3 Months - 5 Months	3	0	3	5	10	15	2	2	4	9	2	11	16	14	30
6 Months - 8 Months	1	0	1	14	11	25	3	0	3	3	2	5	20	13	33
9 Months - 11 Months	1	0	1	7	7	14	0	0	0	4	0	4	11	7	18
TOTAL :	11	3	14	50	46	96	5	4	9	22	13	35	77	63	140

INFANTILE MORTALITY RATES - 1954.

(Deaths per 1,000 Births).

	EUROPEAN		NATIVE		COLOURED		ASIATIC	
During 1st Week	7	10.1	22	29.6	1	5.5	6	7.7
1 Week - 1 Month	1	1.4	9	12.1	0	0	4	5.1
1 Month - 2 Months	1	1.4	11	14.8	1	5.5	5	6.4
3 Months - 5 Months	3	4.3	15	20.2	4	21.9	11	14.0
6 Months - 8 Months	1	1.4	25	33.6	3	16.4	5	6.4
9 Months - 11 Months	1	1.4	14	18.8	0	0	4	5.1
Infantile Mortality Rate	14	20.2	96	129.0	9	49.2	35	44.7

PERCENTAGE OF DEATHS AT ALL AGESOCCURRING IN THE FIRST YEAR OF LIFE - 1954.

European	: 5.1%
Native	: 42.9%
Coloured	: 22.5%
Asiatic	: 25.7%
All Non-European	: 35%
All Races	: 22.7%

INFANTILE DEATHS FROM VARIOUS CAUSES EXPRESSED AS
A PERCENTAGE OF ALL INFANTILE DEATHS - 1954.

	EUROPEAN		NATIVE		COLOURED		ASIATIC		ALL NON-EUR	
	No.	%	No.	%	No.	%	No.	%	No.	%
Malnutrition	0	0	5	5.2	1	11.1	2	5.7	8	5.7
Tuberculosis (All forms)	0	0	1	1.0	0	0	0	0	1	0.7
Gastro-Enteritis	3	21.4	30	31.2	6	66.7	11	31.4	47	33.6
Bronchitis & Pneumonia	3	21.4	17	17.7	0	0	10	28.6	27	19.3
Malformations	0	0	0	0	0	0	2	5.7	2	1.4
Congenital Debility	0	0	1	1.0	0	0	0	0	1	0.7
Prematurity	5	35.7	10	10.4	0	0	6	17.1	16	11.4
Injury at Birth	0	0	9	9.3	0	0	0	0	9	6.4
Asphyxia - Atelectasis	1	7.1	2	2.1	1	11.1	0	0	3	2.1
Convulsions	0	0	0	0	0	0	0	0	0	0
Whooping Cough	0	0	1	1.0	0	0	0	0	1	0.7
Syphilis	0	0	0	0	0	0	0	0	0	0
Diphtheria	0	0	1	1.0	0	0	0	0	1	0.7
Other specified Causes	1	7.1	3	3.1	0	0	2	5.6	6	4.3
Ill-defined causes	1	7.1	16	16.7	1	11.1	1	2.9	18	12.9
	14		96		9		35		140	

Table 1. Summary of data for the first group of experiments.									
Run	Time	Temp	Pressure	Flow	Conc	Rate	Eff	Notes	Ref
1	10	25	1.0	1.0	0.1	0.1	0.1		
2	20	25	1.0	1.0	0.1	0.1	0.1		
3	30	25	1.0	1.0	0.1	0.1	0.1		
4	40	25	1.0	1.0	0.1	0.1	0.1		
5	50	25	1.0	1.0	0.1	0.1	0.1		
6	60	25	1.0	1.0	0.1	0.1	0.1		
7	70	25	1.0	1.0	0.1	0.1	0.1		
8	80	25	1.0	1.0	0.1	0.1	0.1		
9	90	25	1.0	1.0	0.1	0.1	0.1		
10	100	25	1.0	1.0	0.1	0.1	0.1		

Table 2. Summary of data for the second group of experiments.									
Run	Time	Temp	Pressure	Flow	Conc	Rate	Eff	Notes	Ref
11	110	25	1.0	1.0	0.1	0.1	0.1		
12	120	25	1.0	1.0	0.1	0.1	0.1		
13	130	25	1.0	1.0	0.1	0.1	0.1		
14	140	25	1.0	1.0	0.1	0.1	0.1		
15	150	25	1.0	1.0	0.1	0.1	0.1		
16	160	25	1.0	1.0	0.1	0.1	0.1		
17	170	25	1.0	1.0	0.1	0.1	0.1		
18	180	25	1.0	1.0	0.1	0.1	0.1		
19	190	25	1.0	1.0	0.1	0.1	0.1		
20	200	25	1.0	1.0	0.1	0.1	0.1		

Table 3. Summary of data for the third group of experiments.									
Run	Time	Temp	Pressure	Flow	Conc	Rate	Eff	Notes	Ref
21	210	25	1.0	1.0	0.1	0.1	0.1		
22	220	25	1.0	1.0	0.1	0.1	0.1		
23	230	25	1.0	1.0	0.1	0.1	0.1		
24	240	25	1.0	1.0	0.1	0.1	0.1		
25	250	25	1.0	1.0	0.1	0.1	0.1		
26	260	25	1.0	1.0	0.1	0.1	0.1		
27	270	25	1.0	1.0	0.1	0.1	0.1		
28	280	25	1.0	1.0	0.1	0.1	0.1		
29	290	25	1.0	1.0	0.1	0.1	0.1		
30	300	25	1.0	1.0	0.1	0.1	0.1		

Table 4. Summary of data for the fourth group of experiments.									
Run	Time	Temp	Pressure	Flow	Conc	Rate	Eff	Notes	Ref
31	310	25	1.0	1.0	0.1	0.1	0.1		
32	320	25	1.0	1.0	0.1	0.1	0.1		
33	330	25	1.0	1.0	0.1	0.1	0.1		
34	340	25	1.0	1.0	0.1	0.1	0.1		
35	350	25	1.0	1.0	0.1	0.1	0.1		
36	360	25	1.0	1.0	0.1	0.1	0.1		
37	370	25	1.0	1.0	0.1	0.1	0.1		
38	380	25	1.0	1.0	0.1	0.1	0.1		
39	390	25	1.0	1.0	0.1	0.1	0.1		
40	400	25	1.0	1.0	0.1	0.1	0.1		

Table 5. Summary of data for the fifth group of experiments.									
Run	Time	Temp	Pressure	Flow	Conc	Rate	Eff	Notes	Ref
41	410	25	1.0	1.0	0.1	0.1	0.1		
42	420	25	1.0	1.0	0.1	0.1	0.1		
43	430	25	1.0	1.0	0.1	0.1	0.1		
44	440	25	1.0	1.0	0.1	0.1	0.1		
45	450	25	1.0	1.0	0.1	0.1	0.1		
46	460	25	1.0	1.0	0.1	0.1	0.1		
47	470	25	1.0	1.0	0.1	0.1	0.1		
48	480	25	1.0	1.0	0.1	0.1	0.1		
49	490	25	1.0	1.0	0.1	0.1	0.1		
50	500	25	1.0	1.0	0.1	0.1	0.1		

PULMONARY TUBERCULOSISDEATHS IN MONTHS OF THE YEARRESIDENTS

	EUROPEAN			NATIVE			COLOURED			ASIATIC			ALL NON-EUR.		
	M	F	P	M	F	P	M	F	P	M	F	P	M	F	P
July, 1953	0	0	0	1	1	2	0	0	0	2	0	2	3	1	4
August	0	0	0	1	0	1	0	1	1	0	0	0	1	1	2
September	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1
October	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
November	0	0	0	1	2	3	0	0	0	0	0	0	1	2	3
December, 1953	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL :	0	0	0	4	4	8	0	1	1	2	0	2	6	5	11
January, 1954	1	0	1	0	1	1	0	0	0	0	0	0	0	1	1
February	0	1	1	1	0	1	0	0	0	0	0	0	1	0	1
March	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
April	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1
May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
June	0	0	0	0	0	0	0	0	0	0	3	3	0	3	3
July	0	0	0	0	0	0	0	1	1	1	0	1	1	1	2
August	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1
September	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
October	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
November	0	0	0	2	1	3	0	0	0	0	0	0	2	1	3
December, 1954	0	0	0	0	0	0	1	0	1	0	0	0	1	0	1
TOTAL :	2	1	3	3	3	6	1	1	2	1	4	5	5	8	13

PULMONARY TUBERCULOSIS DEATH RATES FORYEAR 1954 - PER 1,000 POPULATION

European	:	0.09
Native	:	0.26
Coloured	:	0.50
Asiatic	:	0.23
All Non-European	:	0.27
All Persons	:	0.19

DEATHS IN AGE GROUPS

July 1st, 1953 - December 31st, 1953.

	EUROPEAN			NATIVE			COLOURED			ASIATIC			ALL NON-EUR.		
	M	F	P	M	F	P	M	F	P	M	F	P	M	F	P
0 - 1 year	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
1 - 2 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 - 4 years	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1
5 - 14 years	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1
15 - 24 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 - 34 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 - 44 years	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
45 - 54 years	0	0	0	2	2	4	0	0	0	1	0	1	3	2	5
55 - 64 years	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1
65 - 74 years	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1
75 and Over	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL :	0	0	0	4	4	8	0	1	1	2	0	2	6	5	11

PULMONARY TUBERCULOSIS Cont'd.DEATHS IN AGE GROUPS

January 1st, 1954 - December 31st, 1954.

	EUROPEAN			NATIVE			COLOURED			ASIATIC			ALL NON-EUR.		
	M	F	P	M	F	P	M	F	P	M	F	P	M	F	P
0 - 1 year	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1 - 2 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 - 4 years	0	0	0	1	1	2	0	0	0	0	1	1	1	2	3
5 - 14 years	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1
15 - 24 years	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1
25 - 34 years	0	0	0	0	1	1	0	0	0	0	2	2	0	3	3
35 - 44 years	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
45 - 54 years	0	0	0	1	0	1	0	0	0	1	0	1	2	0	2
55 - 64 years	0	0	0	1	0	1	1	0	1	0	0	0	2	0	2
65 - 74 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 and Over	1	1	2	0	0	0	0	1	1	0	0	0	0	1	1
TOTAL :	2	1	3	3	3	6	1	1	2	1	4	5	5	8	13

DATE	DESCRIPTION	AMOUNT	CHECK NO.	BANK	INTEREST	TOTAL
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1913						
1914						
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2100						

NON-PULMONARY TUBERCULOSISDEATHS IN MONTHS OF THE YEARRESIDENTS

	EUROPEAN			NATIVE			COLOURED			ASIATIC			ALL NON-EUR.		
	M	F	P	M	F	P	M	F	P	M	F	P	M	F	P
July, 1953	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
August	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
October	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1
November	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
December, 1953	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL :	0	0	0	1	0	1	0	0	0	1	0	1	2	0	2
January, 1954	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
February	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
March	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
April	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
June	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1
July	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1
August	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September	0	0	0	0	0	0	0	0	0	2	0	2	2	0	2
October	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
December, 1954	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL :	0	0	0	1	1	2	0	0	0	2	1	3	3	2	5

DEATH RATE PER 1,000 POPULATION - YEAR 1954

European	:	0
Native	:	0.08
Coloured	:	0
Asiatic	:	0.14
All Non-European	:	0.10
ALL PERSONS	:	0.06

DEATHS IN AGE GROUPSRESIDENTS

July 1st, 1953 - December 31st, 1953.

	EUROPEAN			NATIVE			COLOURED			ASIATIC			ALL NON-EUR.		
	M	F	P	M	F	P	M	F	P	M	F	P	M	F	P
0 - 1 year	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
1 - 2 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 - 4 years	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1
5 - 14 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 - 24 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 - 34 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 - 44 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 - 54 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55 - 64 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65 - 74 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 and Over	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL :	0	0	0	1	0	1	0	0	0	1	0	1	2	0	2

NON-PULMONARY TUBERCULOSIS

Cont'd.

DEATHS IN AGE GROUPSRESIDENTS

January 1st, 1954 - December 31st, 1954.

	EUROPEAN			NATIVE			COLOURED			ASIATIC			ALL NON-EUR.		
	M	F	P	M	F	P	M	F	P	M	F	P	M	F	P
0 - 1 year	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
1 - 2 years	0	0	0	0	1	1	0	0	0	1	0	1	1	1	2
2 - 4 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 - 14 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 - 24 years	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1
25 - 34 years	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1
35 - 44 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 - 54 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55 - 64 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65 - 74 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 and Over	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL :	0	0	0	1	1	2	0	0	0	2	1	3	3	2	5



C A N C E RDEATHS IN AGE GROUPS

RESIDENTS

January 1st, 1954 - December 31st, 1954.

	EUROPEAN			NATIVE			COLOURED			ASIATIC			ALL NON-EUR		
	M	F	P	M	F	P	M	F	P	M	F	P	M	F	P
Under 1 year	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1 - 2 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 - 4 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 - 14 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 - 24 years	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
25 - 34 years	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1
35 - 44 years	2	0	2	0	0	0	0	1	1	0	1	1	0	2	2
45 - 54 years	0	3	3	0	1	1	0	0	0	0	0	0	0	1	1
55 - 64 years	4	5	9	0	0	0	0	1	1	0	1	1	0	2	2
65 - 74 years	8	5	13	0	0	0	1	0	1	1	0	1	2	0	2
75 and Over	6	4	10	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL :	20	17	37	1	1	2	1	2	3	1	3	4	3	6	9

DEATH RATES PER 1,000 POPULATION

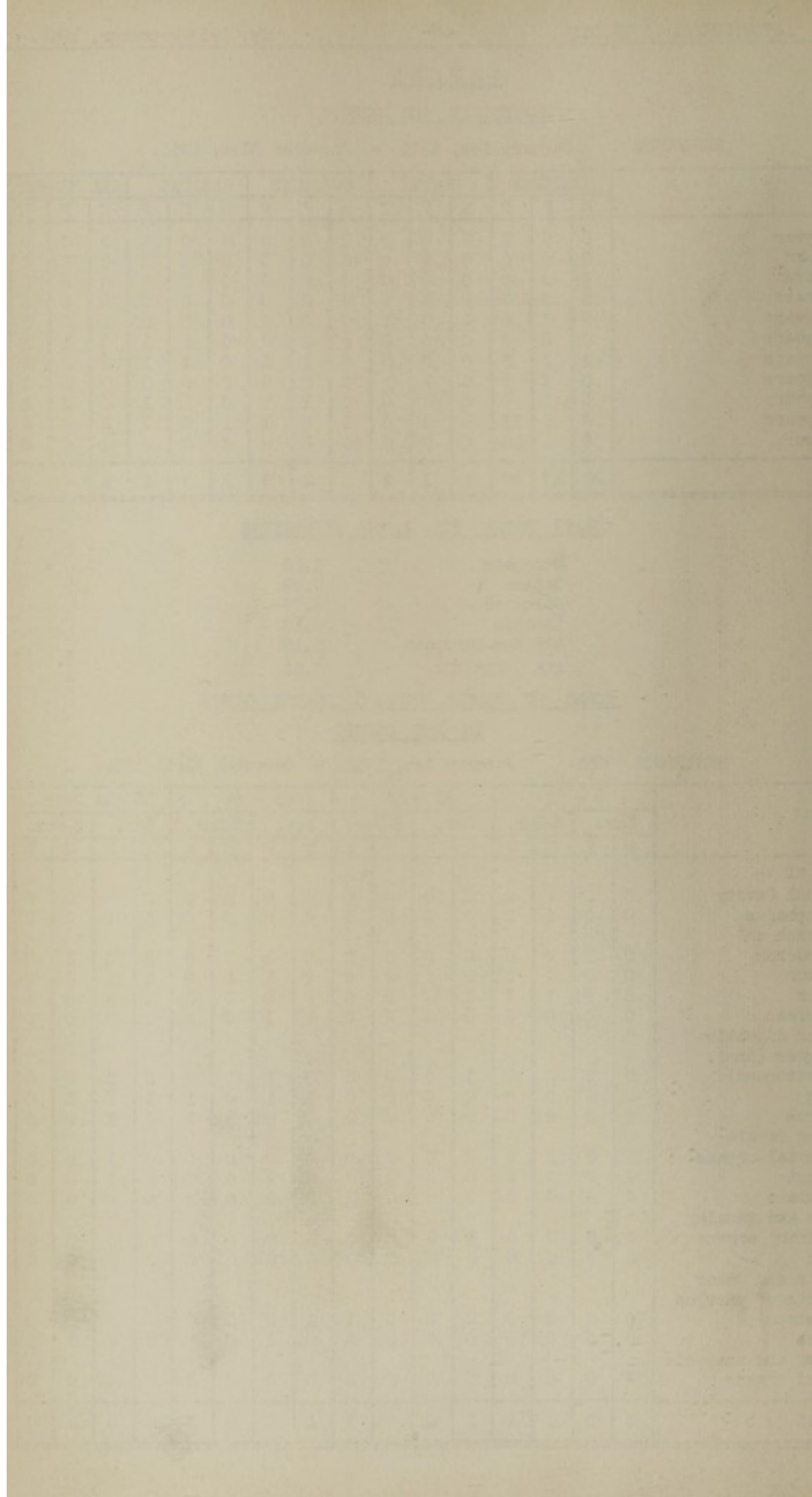
European	:	1.10
Native	:	0.09
Coloured	:	0.75
Asiatic	:	0.19
All Non-European	:	0.18
ALL PERSONS	:	0.56

FORMS OF CANCER CAUSING DEATHS GIVENIN AGE GROUPS

RESIDENTS ONLY

January 1st, 1954 - December 31st, 1954.

	0 - 24				25 - 44				45 - 64				65 and Over			
	Eur.		N-Eur.		Eur.		N-Eur.		Eur.		N-Eur.		Eur.		N-Eur.	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Cancer of :-																
100. Buccal Cavity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101. Oesophagus	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
102. Stomach and Duodenum	0	0	0	0	0	0	0	0	0	1	0	0	3	3	1	0
103. Rectum	0	0	0	0	0	0	0	0	2	1	0	0	2	0	0	0
104. Liver	0	0	1	0	1	0	0	0	0	0	0	1	0	1	0	0
105. Pancreas	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
106. Other digestive organs (incl. peritoneum)	0	0	0	0	1	0	0	0	0	1	0	0	0	2	0	0
109. Lung	0	0	0	0	0	0	0	0	1	1	0	1	3	0	1	0
110. Uterus	0	0	0	0	0	0	0	2	0	0	0	1	0	1	0	0
111. Other female genital organs	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
112. Breast	0	0	0	0	0	0	0	0	0	2	0	0	0	1	0	0
113. Prostate	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0
115. Male and female Urinary organs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
116. Skin	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
117. Brain and Other parts of nervous system	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0
118. Bones	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
119. Other and unspecified organs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL :	0	0	1	0	2	0	0	3	4	8	0	3	14	9	2	0



C A N C E RDEATHS IN AGE GROUPS

RESIDENTS

July 1st, 1953 - December 31st, 1953.

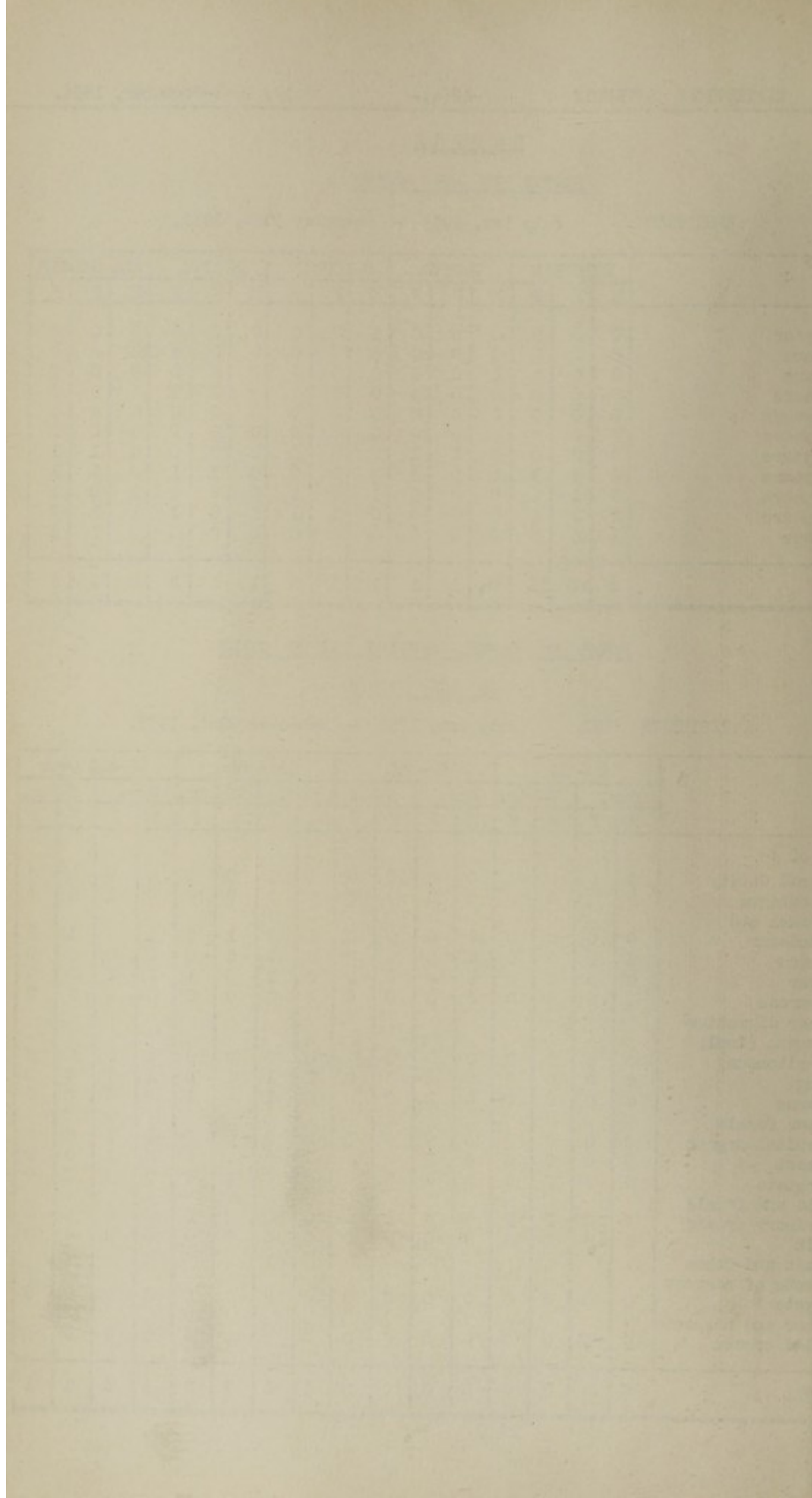
	EUROPEAN			NATIVE			COLOURED			ASIATIC			ALL NON-EUR		
	M	F	P	M	F	P	M	F	P	M	F	P	M	F	P
Under 1 year	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1 - 2 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 - 4 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 - 14 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 - 24 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 - 34 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 - 44 years	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1
45 - 54 years	0	3	3	0	0	0	0	0	0	0	1	1	0	1	1
55 - 64 years	5	1	6	0	0	0	1	0	1	0	0	0	1	0	1
65 - 74 years	2	2	4	0	0	0	0	1	1	1	0	1	1	1	2
75 and Over	1	4	5	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL :	8	10	18	0	1	1	1	1	2	1	1	2	2	3	5

FORMS OF CANCER CAUSING DEATHS GIVENIN AGE GROUPS

RESIDENTS ONLY

July 1st, 1953 - December 31st, 1953.

	0 - 24				25 - 44				45 - 64				65 and Over			
	Eur.		N-Eur.		Eur.		N-Eur.		Eur.		N-Eur.		Eur.		N-Eur.	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Cancer of :-																
100. Buccal Cavity	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
101. Oesophagus	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
102. Stomach and Duodenum	0	0	0	0	0	0	0	0	1	0	1	0	1	0	1	1
103. Rectum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104. Liver	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	0
105. Pancreas	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
106. Other digestive organs (incl. peritoneum)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109. Lung	0	0	0	0	0	0	0	0	1	1	0	0	2	1	0	0
110. Uterus	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0
111. Other female genital organs	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
112. Breast	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
113. Prostate	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
115. Male and female Urinary organs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
116. Skin	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
117. Brain and Other parts of nervous system	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0
119. Other and unspecified organs	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
TOTAL :	0	0	0	0	0	0	0	0	5	4	1	2	3	6	1	1



DEATHS DUE TO BRONCHITIS AND PNEUMONIA

(Code Nos. 402 - 406)

RESIDENTS : (Given in months of the Year).

	EUROPEAN			NATIVE			COLOURED			ASIATIC			ALL NON-ER		
	M	F	P	M	F	P	M	F	P	M	F	P	M	F	P
July, 1953	1	0	1	4	1	5	0	1	1	1	1	2	5	3	6
August	1	0	1	0	0	0	1	0	1	0	2	2	1	2	3
September	1	2	3	3	0	3	0	0	0	1	0	1	4	0	4
October	0	0	0	1	1	2	0	0	0	0	0	0	1	1	2
November	0	1	1	6	5	11	0	0	0	0	0	0	6	5	11
December, 1953	0	0	0	2	1	3	1	0	1	0	0	0	3	1	4
TOTAL :	3	3	6	16	8	24	2	1	3	2	3	5	20	12	32
January, 1954	0	0	0	2	1	3	0	0	0	1	1	2	3	2	5
February	0	0	0	0	1	1	0	0	0	1	0	1	1	1	2
March	0	0	0	1	4	5	0	0	0	1	0	1	2	4	6
April	1	0	1	1	1	2	0	0	0	1	1	2	2	2	4
May	1	1	2	0	3	3	0	0	0	0	0	0	0	3	3
June	4	0	4	0	0	0	0	0	0	2	0	2	2	0	2
July	1	0	1	1	1	2	0	0	0	1	0	1	2	1	3
August	2	0	2	1	0	1	1	1	2	0	0	0	2	1	3
September	1	0	1	1	2	3	1	0	1	1	0	1	3	2	5
October	0	0	0	1	0	1	0	0	0	1	0	1	2	0	2
November	2	1	3	3	1	4	0	0	0	2	2	4	5	3	8
December, 1954	0	0	0	3	4	7	0	0	0	1	0	1	4	4	8
TOTAL :	12	2	14	14	18	32	2	1	3	12	4	16	28	23	51

RESIDENTS : (GIVEN IN AGE GROUPS)

July 1st, 1953 - December 31st, 1953.

	EUROPEAN			NATIVE			COLOURED			ASIATIC			ALL NON-ER		
	M	F	P	M	F	P	M	F	P	M	F	P	M	F	P
Under 1 year	0	1	1	7	5	12	2	0	2	2	0	2	11	5	16
1 - 2 years	0	0	0	2	1	3	0	1	1	0	0	0	2	2	4
2 - 4 years	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
5 - 14 years	0	0	0	1	0	1	0	0	0	0	1	1	1	1	2
15 - 24 years	0	0	0	1	1	2	0	0	0	0	0	0	1	1	2
25 - 34 years	0	0	0	1	1	2	0	0	0	0	0	0	1	1	2
35 - 44 years	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
45 - 54 years	1	0	1	1	0	1	0	0	0	0	0	0	1	0	1
55 - 64 years	0	0	0	2	0	2	0	0	0	0	0	0	2	0	2
65 - 74 years	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0
75 and Over	1	0	1	0	0	0	0	0	0	0	2	2	0	2	2
TOTAL :	3	3	6	16	8	24	2	1	3	2	3	5	20	12	32
Bronchitis	0	0	0	0	1	1	0	0	0	0	2	2	0	3	3
Pneumonia	3	3	6	16	7	23	2	1	3	2	1	3	20	9	29
TOTAL :	3	3	6	16	8	24	2	1	3	2	3	5	20	12	32

January 1st, 1954 - December 31st, 1954

THE UNIVERSITY OF CHICAGO LIBRARY
1000 S. MICHIGAN AVE.
CHICAGO, ILL. 60607

DATE	DESCRIPTION	AMOUNT	BALANCE
1/1/50	Balance	100.00	100.00
1/15/50	Check #100	25.00	75.00
2/1/50	Check #101	15.00	60.00
2/15/50	Check #102	10.00	50.00
3/1/50	Check #103	5.00	45.00
3/15/50	Check #104	5.00	40.00
4/1/50	Check #105	5.00	35.00
4/15/50	Check #106	5.00	30.00
5/1/50	Check #107	5.00	25.00
5/15/50	Check #108	5.00	20.00
6/1/50	Check #109	5.00	15.00
6/15/50	Check #110	5.00	10.00
7/1/50	Check #111	5.00	5.00
7/15/50	Check #112	5.00	0.00
8/1/50	Check #113	5.00	-5.00
8/15/50	Check #114	5.00	-10.00
9/1/50	Check #115	5.00	-15.00
9/15/50	Check #116	5.00	-20.00
10/1/50	Check #117	5.00	-25.00
10/15/50	Check #118	5.00	-30.00
11/1/50	Check #119	5.00	-35.00
11/15/50	Check #120	5.00	-40.00
12/1/50	Check #121	5.00	-45.00
12/15/50	Check #122	5.00	-50.00
1/1/51	Check #123	5.00	-55.00
1/15/51	Check #124	5.00	-60.00
2/1/51	Check #125	5.00	-65.00
2/15/51	Check #126	5.00	-70.00
3/1/51	Check #127	5.00	-75.00
3/15/51	Check #128	5.00	-80.00
4/1/51	Check #129	5.00	-85.00
4/15/51	Check #130	5.00	-90.00
5/1/51	Check #131	5.00	-95.00
5/15/51	Check #132	5.00	-100.00
6/1/51	Check #133	5.00	-105.00
6/15/51	Check #134	5.00	-110.00
7/1/51	Check #135	5.00	-115.00
7/15/51	Check #136	5.00	-120.00
8/1/51	Check #137	5.00	-125.00
8/15/51	Check #138	5.00	-130.00
9/1/51	Check #139	5.00	-135.00
9/15/51	Check #140	5.00	-140.00
10/1/51	Check #141	5.00	-145.00
10/15/51	Check #142	5.00	-150.00
11/1/51	Check #143	5.00	-155.00
11/15/51	Check #144	5.00	-160.00
12/1/51	Check #145	5.00	-165.00
12/15/51	Check #146	5.00	-170.00
1/1/52	Check #147	5.00	-175.00
1/15/52	Check #148	5.00	-180.00
2/1/52	Check #149	5.00	-185.00
2/15/52	Check #150	5.00	-190.00
3/1/52	Check #151	5.00	-195.00
3/15/52	Check #152	5.00	-200.00
4/1/52	Check #153	5.00	-205.00
4/15/52	Check #154	5.00	-210.00
5/1/52	Check #155	5.00	-215.00
5/15/52	Check #156	5.00	-220.00
6/1/52	Check #157	5.00	-225.00
6/15/52	Check #158	5.00	-230.00
7/1/52	Check #159	5.00	-235.00
7/15/52	Check #160	5.00	-240.00
8/1/52	Check #161	5.00	-245.00
8/15/52	Check #162	5.00	-250.00
9/1/52	Check #163	5.00	-255.00
9/15/52	Check #164	5.00	-260.00
10/1/52	Check #165	5.00	-265.00
10/15/52	Check #166	5.00	-270.00
11/1/52	Check #167	5.00	-275.00
11/15/52	Check #168	5.00	-280.00
12/1/52	Check #169	5.00	-285.00
12/15/52	Check #170	5.00	-290.00
1/1/53	Check #171	5.00	-295.00
1/15/53	Check #172	5.00	-300.00
2/1/53	Check #173	5.00	-305.00
2/15/53	Check #174	5.00	-310.00
3/1/53	Check #175	5.00	-315.00
3/15/53	Check #176	5.00	-320.00
4/1/53	Check #177	5.00	-325.00
4/15/53	Check #178	5.00	-330.00
5/1/53	Check #179	5.00	-335.00
5/15/53	Check #180	5.00	-340.00
6/1/53	Check #181	5.00	-345.00
6/15/53	Check #182	5.00	-350.00
7/1/53	Check #183	5.00	-355.00
7/15/53	Check #184	5.00	-360.00
8/1/53	Check #185	5.00	-365.00
8/15/53	Check #186	5.00	-370.00
9/1/53	Check #187	5.00	-375.00
9/15/53	Check #188	5.00	-380.00
10/1/53	Check #189	5.00	-385.00
10/15/53	Check #190	5.00	-390.00
11/1/53	Check #191	5.00	-395.00
11/15/53	Check #192	5.00	-400.00
12/1/53	Check #193	5.00	-405.00
12/15/53	Check #194	5.00	-410.00
1/1/54	Check #195	5.00	-415.00
1/15/54	Check #196	5.00	-420.00
2/1/54	Check #197	5.00	-425.00
2/15/54	Check #198	5.00	-430.00
3/1/54	Check #199	5.00	-435.00
3/15/54	Check #200	5.00	-440.00
4/1/54	Check #201	5.00	-445.00
4/15/54	Check #202	5.00	-450.00
5/1/54	Check #203	5.00	-455.00
5/15/54	Check #204	5.00	-460.00
6/1/54	Check #205	5.00	-465.00
6/15/54	Check #206	5.00	-470.00
7/1/54	Check #207	5.00	-475.00
7/15/54	Check #208	5.00	-480.00
8/1/54	Check #209	5.00	-485.00
8/15/54	Check #210	5.00	-490.00
9/1/54	Check #211	5.00	-495.00
9/15/54	Check #212	5.00	-500.00
10/1/54	Check #213	5.00	-505.00
10/15/54	Check #214	5.00	-510.00
11/1/54	Check #215	5.00	-515.00
11/15/54	Check #216	5.00	-520.00
12/1/54	Check #217	5.00	-525.00
12/15/54	Check #218	5.00	-530.00
1/1/55	Check #219	5.00	-535.00
1/15/55	Check #220	5.00	-540.00
2/1/55	Check #221	5.00	-545.00
2/15/55	Check #222	5.00	-550.00
3/1/55	Check #223	5.00	-555.00
3/15/55	Check #224	5.00	-560.00
4/1/55	Check #225	5.00	-565.00
4/15/55	Check #226	5.00	-570.00
5/1/55	Check #227	5.00	-575.00
5/15/55	Check #228	5.00	-580.00
6/1/55	Check #229	5.00	-585.00
6/15/55	Check #230	5.00	-590.00
7/1/55	Check #231	5.00	-595.00
7/15/55	Check #232	5.00	-600.00
8/1/55	Check #233	5.00	-605.00
8/15/55	Check #234	5.00	-610.00
9/1/55	Check #235	5.00	-615.00
9/15/55	Check #236	5.00	-620.00
10/1/55	Check #237	5.00	-625.00
10/15/55	Check #238	5.00	-630.00
11/1/55	Check #239	5.00	-635.00
11/15/55	Check #240	5.00	-640.00
12/1/55	Check #241	5.00	-645.00
12/15/55	Check #242	5.00	-650.00
1/1/56	Check #243	5.00	-655.00
1/15/56	Check #244	5.00	-660.00
2/1/56	Check #245	5.00	-665.00
2/15/56	Check #246	5.00	-670.00
3/1/56	Check #247	5.00	-675.00
3/15/56	Check #248	5.00	-680.00
4/1/56	Check #249	5.00	-685.00
4/15/56	Check #250	5.00	-690.00
5/1/56	Check #251	5.00	-695.00
5/15/56	Check #252	5.00	-700.00
6/1/56	Check #253	5.00	-705.00
6/15/56	Check #254	5.00	-710.00
7/1/56	Check #255	5.00	-715.00
7/15/56	Check #256	5.00	-720.00
8/1/56	Check #257	5.00	-725.00
8/15/56	Check #258	5.00	-730.00
9/1/56	Check #259	5.00	-735.00
9/15/56	Check #260	5.00	-740.00
10/1/56	Check #261	5.00	-745.00
10/15/56	Check #262	5.00	-750.00
11/1/56	Check #263	5.00	-755.00
11/15/56	Check #264	5.00	-760.00
12/1/56	Check #265	5.00	-765.00
12/15/56	Check #266	5.00	-770.00
1/1/57	Check #267	5.00	-775.00
1/15/57	Check #268	5.00	-780.00
2/1/57	Check #269	5.00	-785.00
2/15/57	Check #270	5.00	-790.00
3/1/57	Check #271	5.00	-795.00
3/15/57	Check #272	5.00	-800.00
4/1/57	Check #273	5.00	-805.00
4/15/57	Check #274	5.00	-810.00
5/1/57	Check #275	5.00	-815.00
5/15/57	Check #276	5.00	-820.00
6/1/57	Check #277	5.00	-825.00
6/15/57	Check #278	5.00	-830.00
7/1/57	Check #279	5.00	-835.00
7/15/57	Check #280	5.00	-840.00
8/1/57	Check #281	5.00	-845.00
8/15/57	Check #282	5.00	-850.00
9/1/57	Check #283	5.00	-855.00
9/15/57	Check #284	5.00	-860.00
10/1/57	Check #285	5.00	-865.00
10/15/57	Check #286	5.00	-870.00
11/1/57	Check #287	5.00	-875.00
11/15/57	Check #288	5.00	-880.00
12/1/57	Check #289	5.00	-885.00
12/15/57	Check #290	5.00	-890.00
1/1/58	Check #291	5.00	-895.00
1/15/58	Check #292	5.00	-900.00
2/1/58	Check #293	5.00	-905.00
2/15/58	Check #294	5.00	-910.00
3/1/58	Check #295	5.00	-915.00
3/15/58	Check #296	5.00	-920.00
4/1/58	Check #297	5.00	-925.00
4/15/58	Check #298	5.00	-930.00
5/1/58	Check #299	5.00	-935.00
5/15/58	Check #300	5.00	-940.00
6/1/58	Check #301	5.00	-945.00
6/15/58	Check #302	5.00	-950.00
7/1/58	Check #303	5.00	-955.00
7/15/58	Check #304	5.00	-960.00
8/1/58	Check #305	5.00	-965.00
8/15/58	Check #306	5.00	-970.00
9/1/58	Check #307	5.00	-975.00
9/15/58	Check #308	5.00	-980.00
10/1/58	Check #309	5.00	-985.00
10/15/58	Check #310	5.00	-990.00
11/1/58	Check #311	5.00	-995.00
11/15/58	Check #312	5.00	-1000.00
12/1/58	Check #313	5.00	-1005.00
12/15/58	Check #314	5.00	-1010.00
1/1/59	Check #315	5.00	-1015.00
1/15/59	Check #316	5.00	-1020.00
2/1/59	Check #317	5.00	-1025.00
2/15/59	Check #318	5.00	-1030.00
3/1/59	Check #319	5.00	-1035.00
3/15/59	Check #320	5.00	-1040.00
4/1/59	Check #321	5.00	-1045.00
4/15/59	Check #322	5.00	-1050.00
5/1/59	Check #323	5.00	-1055.00
5/15/59	Check #324	5.00	-1060.00
6/1/59	Check #325	5.00	-1065.00
6/15/59	Check #326	5.00	-1070.00
7/1/59	Check #327	5.00	-1075.00
7/15/59	Check #328	5.00	-1080.00
8/1/59	Check #329	5.00	-1085.00
8/15/59	Check #330	5.00	-1090.00
9/1/59	Check #331	5.00	-1095.00
9/15/59	Check #332	5.00	-1100.00
10/1/59	Check #333	5.00	-1105.00
10/15/59	Check #334	5.00	-1110.00
11/1/59	Check #335	5.00	-1115.00
11/15/59	Check #336	5.00	-1120.00
12/1/59	Check #337	5.00	-1125.00
12/15/59	Check #338	5.00	-1130.00
1/1/60	Check #339	5.00	-1135.00
1/15/60	Check #340	5.00	-1140.00
2/1/60	Check #341	5.00	-1145.00
2/15/60	Check #342	5.00	-1150.00
3/1/60	Check #343	5.00	-1155.00
3/15/60	Check #344	5.00	-1160.00
4/1/60	Check #345	5.00	-1165.00
4/15/60	Check #346	5.00	-1170.00
5/1/60	Check #347	5.00	-1175.00
5/15/60	Check #348	5.00	-1180.00
6/1/60	Check #349	5.00	-1185.00
6/15/60	Check #350	5.00	-1190.00
7/1/60	Check #351	5.00	-1195.00
7/15/60	Check #352	5.00	-1200.00
8/1/60	Check #353	5.00	-1205.00
8/15/60	Check #354	5.00	-1210.00
9/1/60	Check #355	5.00	-1215.00
9/15/60	Check #356	5.00	-1220.00
10/1/60	Check #357	5.00	-1225.00
10/15/60	Check #358	5.00	-1230.00
11/1/60	Check #359	5.00	-1235.00
11/15/60	Check #360	5.00	-1240.00
12/1/60	Check #361	5.00	-1245.00
12/15/60	Check #362	5.00	-1250.00
1/1/61	Check #363	5.00	-1255.00
1/15/61	Check #364	5.00	-1260.00
2/1/61	Check #365	5.	

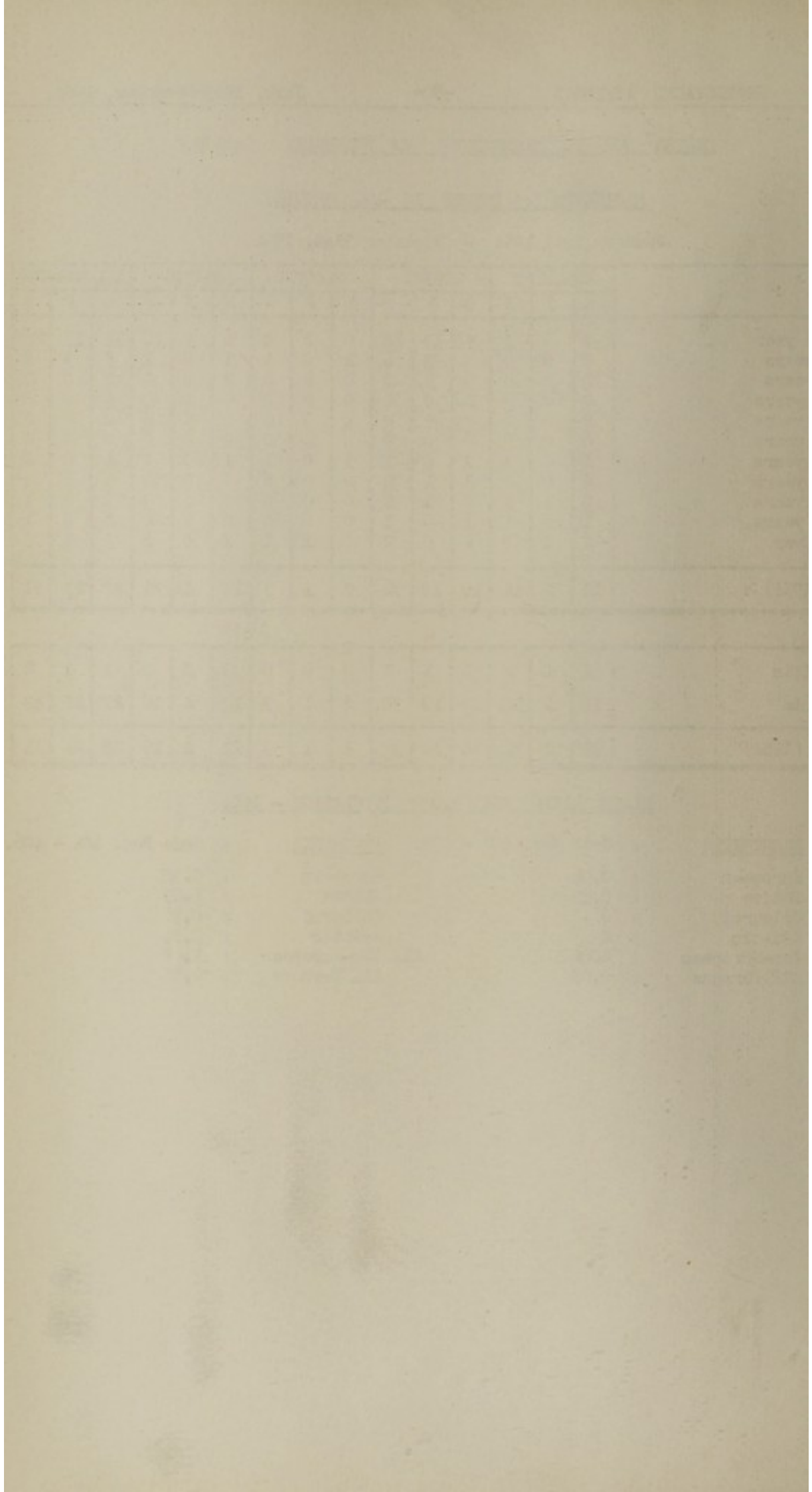
DEATHS DUE TO BRONCHITIS AND PNEUMONIA Cont'd.RESIDENTS : (GIVEN IN AGE GROUPS)

January 1st, 1954 - December 31st, 1954.

	EUROPEAN			NATIVE			COLOURED			ASIATIC			ALL NON-EUR		
	M	F	P	M	F	P	M	F	P	M	F	P	M	F	P
Under 1 year	3	0	3	5	13	18	0	0	0	6	4	10	11	17	28
1 - 2 years	0	0	0	3	3	6	1	0	1	1	0	1	5	3	8
2 - 4 years	0	0	0	0	0	0	0	0	0	2	0	2	2	0	2
5 - 14 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 - 24 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 - 34 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 - 44 years	1	0	1	2	0	2	1	0	1	1	0	1	4	0	4
45 - 54 years	0	0	0	1	1	2	0	0	0	0	0	0	1	1	2
55 - 64 years	0	1	1	0	1	1	0	0	0	0	0	0	0	1	1
65 - 74 years	1	0	1	1	0	1	0	0	0	0	0	0	1	0	1
75 and Over	7	1	8	2	0	2	0	1	1	2	0	2	4	1	5
TOTAL (1954) :	12	2	14	14	18	32	2	1	3	12	4	16	28	23	51
Bronchitis	2	0	2	1	1	2	0	0	0	0	0	0	1	1	2
Pneumonia	10	2	12	13	17	30	2	1	3	12	4	16	27	22	49
TOTAL (1954) :	12	2	14	14	18	32	2	1	3	12	4	16	28	23	51

DEATH RATES PER 1,000 POPULATION - 1954

<u>BRONCHITIS</u>	:	Code Nos. 402 - 403.	<u>PNEUMONIA</u>	:	Code Nos. 404 - 406.
European	:	0.06	European	:	0.36
Native	:	0.09	Native	:	1.29
Coloured	:	0	Coloured	:	0.76
Asiatic	:	0	Asiatic	:	0.74
All Non-European	:	0.04	All Non-European	:	1.00
All Persons	:	0.05	All Persons	:	0.74



DISEASES OF THE HEART AND CIRCULATORY SYSTEM

(Code Nos. 350 - 368)

DEATH IN AGE GROUPS

July 1st, 1953 - December 31st, 1953.

	EUROPEAN			NATIVE			COLOURED			ASIATIC			ALL NON-EUR		
	M	F	P	M	F	P	M	F	P	M	F	P	M	F	P
Under 1 year	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1 - 2 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 - 4 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 - 14 years	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
15 - 24 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 - 34 years	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1
35 - 44 years	1	1	2	2	1	3	0	1	1	1	2	3	3	4	7
45 - 54 years	4	1	5	0	0	0	2	2	4	1	1	2	3	3	6
55 - 64 years	9	1	10	3	1	4	1	0	1	6	3	9	10	4	14
65 - 74 years	4	10	14	1	0	1	0	0	0	4	1	5	5	1	6
75 and Over	11	12	23	0	1	1	1	0	1	8	0	8	9	1	10
TOTAL :	30	25	55	6	3	9	4	3	7	21	7	28	31	13	44

January 1st, 1954 - December 31st, 1954.

	EUROPEAN			NATIVE			COLOURED			ASIATIC			ALL NON-EUR		
	M	F	P	M	F	P	M	F	P	M	F	P	M	F	P
Under 1 year	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
1 - 2 years	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1
2 - 4 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 - 14 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 - 24 years	0	0	0	0	0	0	0	0	0	0	3	3	0	3	3
25 - 34 years	1	0	1	0	1	1	0	0	0	1	0	1	1	1	2
35 - 44 years	2	1	3	1	1	2	0	0	0	4	2	6	5	3	8
45 - 54 years	12	1	13	2	2	4	1	0	1	5	2	7	8	4	12
55 - 64 years	15	6	21	2	3	5	2	1	3	5	0	5	9	4	13
65 - 74 years	12	11	23	2	3	5	0	0	0	4	1	5	6	4	10
75 and Over	24	25	49	2	2	4	0	0	0	5	2	7	7	4	11
TOTAL :	67	44	111	9	12	21	3	1	4	25	10	35	37	23	60

DEATH RATE (PER 1,000 POPULATION) - 1954.

European	:	3.31
Native	:	0.90
Coloured	:	1.01
Asiatic	:	1.62
All Non-European	:	1.23
All Persons	:	2.08

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000	1001	1002	1003	1004	1005	1006	1007	1008	1009	1010	1011	1012	1013	1014	1015	1016	1017	1018	1019	1020	1021	1022	1023	1024	1025	1026	1027	1028	1029	1030	1031	1032	1033	1034	1035	1036	1037	1038	1039	1040	1041	1042	1043	1044	1045	1046	1047	1048	1049	1050	1051	1052	1053	1054	1055	1056	1057	1058	1059	1060	1061	1062	1063	1064	1065	1066	1067	1068	1069	1070	1071	1072	1073	1074	1075	1076	1077	1078	1079	1080	1081	1082	1083	1084	1085	1086	1087	1088	1089	1090	1091	1092	1093	1094	1095	1096	1097	1098	1099	1100	1101	1102	1103	1104	1105	1106	1107	1108	1109	1110	1111	1112	1113	1114	1115	1116	1117	1118	1119	1120	1121	1122	1123	1124	1125	1126	1127	1128	1129	1130	1131	1132	1133	1134	1135	1136	1137	1138	1139	1140	1141	1142	1143	1144	1145	1146	1147	1148	1149	1150	1151	1152	1153	1154	1155	1156	1157	1158	1159	1160	1161	1162	1163	1164	1165	1166	1167	1168	1169	1170	1171	1172	1173	1174	1175	1176	1177	1178	1179	1180	1181	1182	1183	1184	1185	1186	1187	1188	1189	1190	1191	1192	1193	1194	1195	1196	1197	1198	1199	1200	1201	1202	1203	1204	1205	1206	1207	1208	1209	1210	1211	1212	1213	1214	1215	1216	1217	1218	1219	1220	1221	12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DEATHS DUE TO DIARRHOEA AND ENTERITIS

(Under age of 2 years)

(Code No. 458)

RESIDENTS : July 1st, 1953 - December 31st, 1953.

	EUROPEAN			NATIVE			COLOURED			ASIATIC			ALL NON-EUR.		
	M	F	P	M	F	P	M	F	P	M	F	P	M	F	P
July	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
August	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1
October	0	0	0	1	1	2	0	0	0	0	0	0	1	1	2
November	0	0	0	2	3	5	0	0	0	1	1	2	3	4	7
December	0	0	0	7	2	9	1	1	2	0	0	0	8	3	11
TOTAL :	0	0	0	10	7	17	1	1	2	1	1	2	12	9	21

January 1st, 1954 - December 31st, 1954.

	EUROPEAN			NATIVE			COLOURED			ASIATIC			ALL NON-EUR.		
	M	F	P	M	F	P	M	F	P	M	F	P	M	F	P
January	0	0	0	5	2	7	0	0	0	1	0	1	6	2	8
February	1	0	1	1	2	3	2	0	2	0	0	0	3	2	5
March	0	0	0	2	2	4	0	1	1	0	1	1	2	4	6
April	0	0	0	2	4	6	0	0	0	1	0	1	3	4	7
May	0	0	0	0	1	1	1	0	1	0	1	1	1	2	3
June	0	0	0	1	0	1	0	1	1	3	1	4	4	2	6
July	2	0	2	1	0	1	0	0	0	0	0	0	1	0	1
August	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1
September	0	0	0	2	1	3	0	0	0	0	0	0	2	1	3
October	0	0	0	2	0	2	0	0	0	0	0	0	2	0	2
November	0	0	0	5	3	8	1	0	1	2	1	3	8	4	12
December	0	0	0	4	2	6	1	0	1	1	0	1	6	2	8
TOTAL :	3	0	3	25	17	42	5	3	8	8	4	12	38	24	62

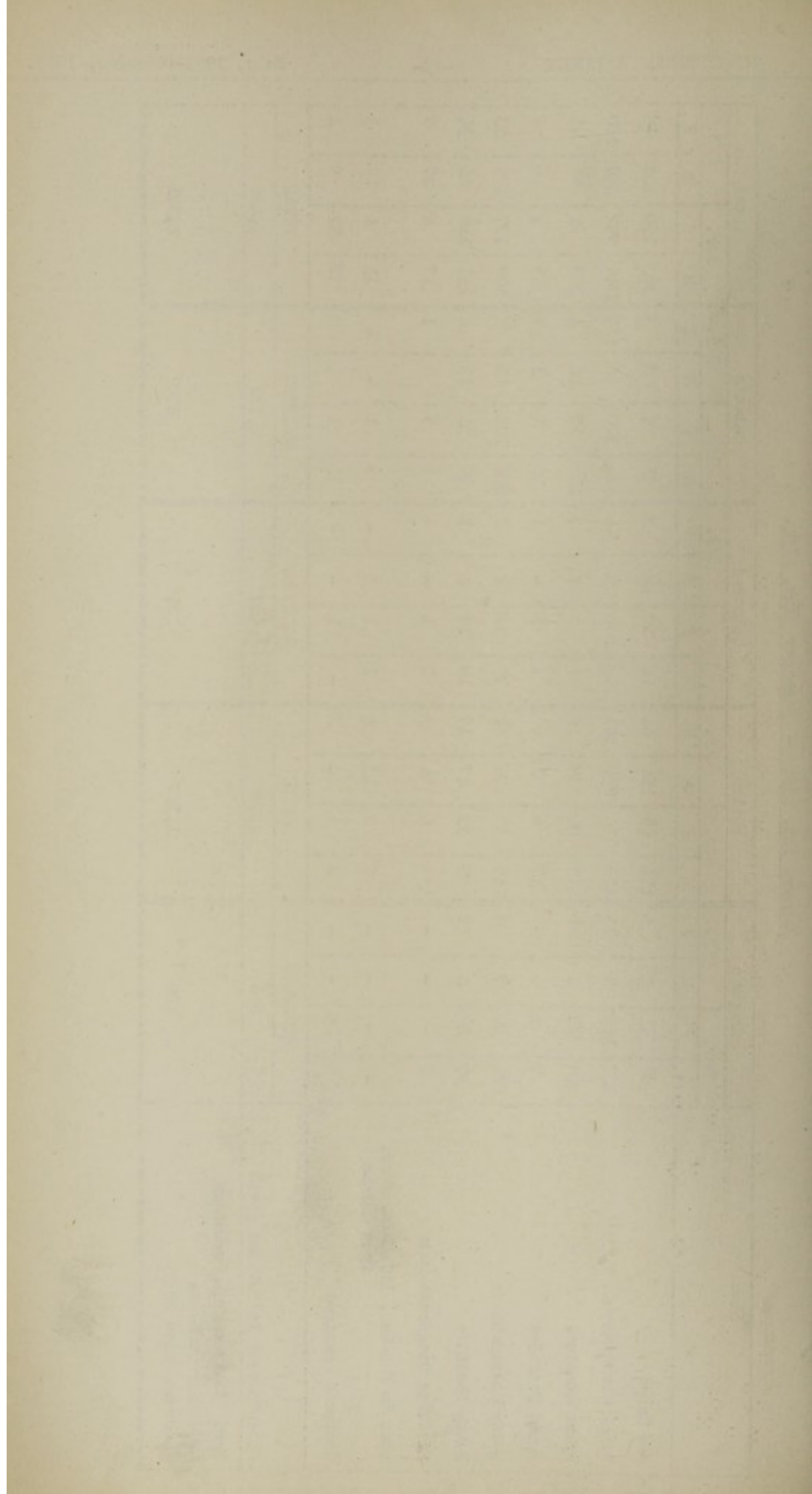
DISTRICTS OF RESIDENCE OF CASES OF ENTERIC FEVERAND TUBERCULOSIS

	Notifications of Enteric Fever		Deaths from Tuberculosis	
	July-Dec., 1953.	1954.	July-Dec., 1953.	1954.
P.M. Burg Central	3	1	6	9
Zwartkop Valley	-	-	-	-
Wembley	-	1	-	-
Scottsville (in water supply area)	-	-	2	1
Scottsville (outside water supply area)	-	-	-	-
Mountain Rise	-	-	-	-
Pentrich (in water supply area)	-	-	-	-
Pentrich (outside water supply area)	-	1	-	-
Chase and Town Bush Valleys	-	-	-	1
Sobantu Village	-	3	3	3
Bathorn's Hill	-	-	-	2
Asiatic Housing Scheme	-	-	-	-
Raisethorpe	-	-	2	5
Unable to trace residence	-	-	-	-
TOTAL :	3	6	13	21

TUBERCULOSIS CLINIC

January 1st, 1954 - December 31st, 1954.

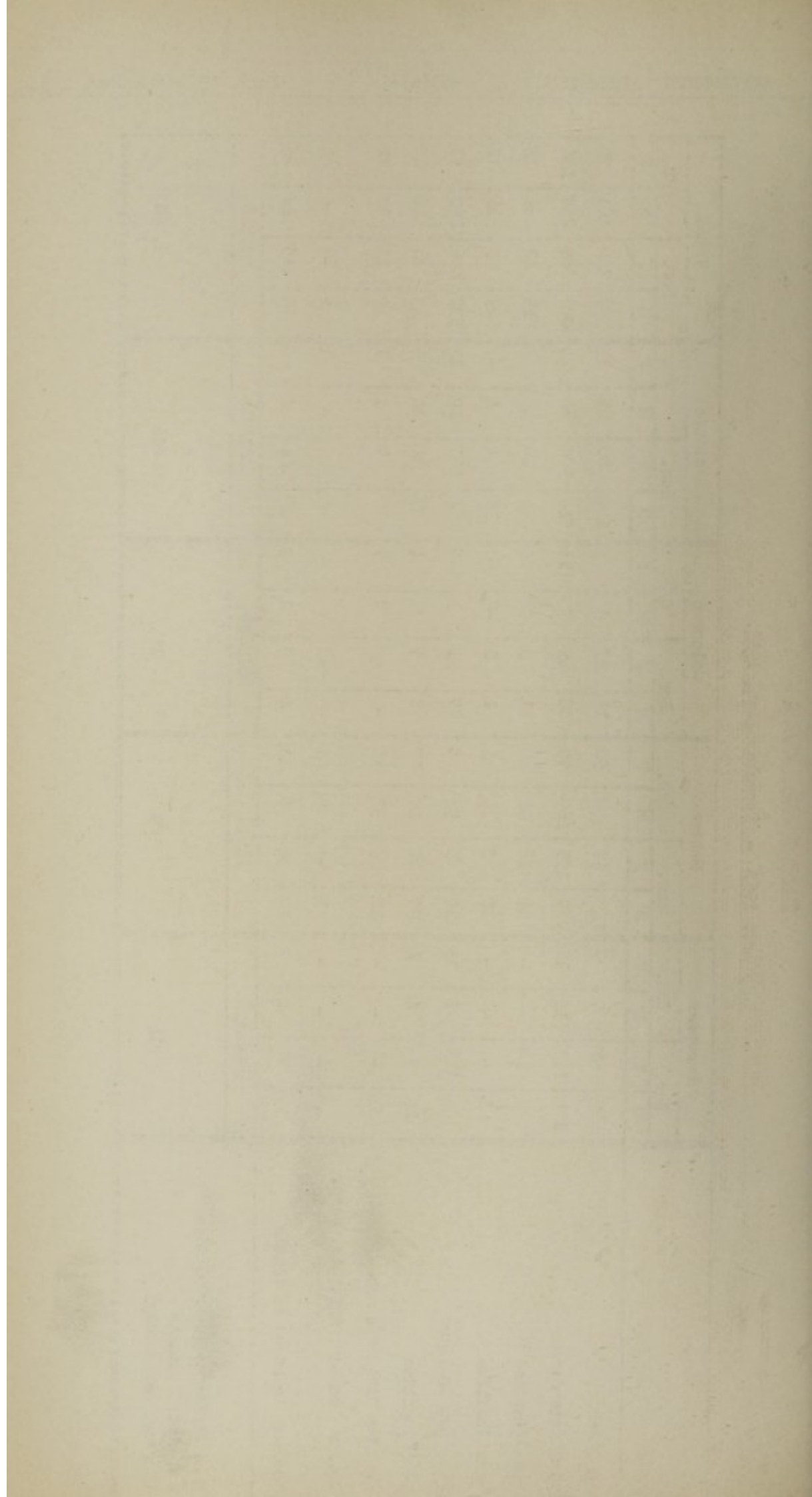
	European						Native						Coloured						Asiatic						Total					
	Bor.			O/B.			Bor.			O/B.			Bor.			O/B.			Bor.			O/B.			Bor.			O/B.		
	M	F		M	F		M	F		M	F		M	F		M	F		M	F		M	F		M	F				
New Cases	80	41	1	5	178	65	154	64	14	10	2	3	91	74	8	3	363	190	165	75										
Total Attendances	227	167	5	15	440	214	326	141	113	102	2	14	564	309	52	17	1344	792	385	187										
Sputa Examined	40	18	4	1	83	24	38	15	9	6	2	3	112	17	10	4	243	55	54	23										
Sputa Positive	7	1	-	-	17	6	1	-	1	1	-	1	10	2	3	1	33	9	6	2										
X-Ray Examinations	122	89	7	6	239	80	103	42	29	30	2	1	202	108	13	4	592	307	125	53										
X-Ray Positive	37	29	4	12	77	35	47	17	18	18	2	1	99	34	13	4	231	116	66	34										
Positive Diagnosis made	2	-	-	-	9	4	34	5	2	1	-	1	5	3	1	1	18	8	27	7										
Adm. to Non-Eur. Inf. Dis. Hosp. from Clinic	-	-	-	-	7	2	13	4	1	1	2	-	3	1	-	-	11	4	10	3										
Contacts Examined	5	5	-	-	2	5	4	2	-	1	-	-	31	21	1	2	38	32	5	4										
EUROPEAN						NATIVE						COLOURED						ASIATIC						TOTAL						
656						2,271						467						2,522						4,435						
Streptomycin Injections given																														
Home Visits to Tuberculous and their contacts (Borough cases only)						1,307						124						670						2,371						



TUBERCULOSIS CLINIC

July 1st, 1953 - December 31st, 1954.

	European						Native						Coloured						Asiatic						Total					
	Bor.			O/B.			Bor.			O/B.			Bor.			O/B.			Bor.			O/B.			Bor.			O/B.		
	M	F		M	F		M	F		M	F		M	F		M	F		M	F		M	F		M	F		M	F	
New Cases	87	65	7	9	143	68	68	68	68	50	13	17	3	3	108	80	23	13	356	230	101	75								
Total Attendances	174	143	13	16	289	155	169	169	169	78	78	65	9	16	519	300	66	24	1060	663	257	134								
Sputa Examined	23	10	-	-	54	11	41	10	10	10	11	3	4	4	125	18	16	2	213	42	61	16								
Sputa Positive	3	-	-	-	10	3	10	5	5	-	1	1	-	-	15	1	4	-	29	5	14	5								
X-Ray Examinations	108	113	16	15	150	85	93	58	27	31	5	8	5	8	252	173	29	12	537	402	143	93								
X-Ray Positive	25	20	4	4	37	28	29	17	8	7	1	4	1	4	73	32	14	3	143	87	48	28								
Positive Diagnosis made	1	-	-	-	11	9	32	20	-	-	1	1	1	1	7	7	4	1	19	15	37	22								
Adm. to Non-Eur. Inf. Dis. Hosp. from Clinic	-	-	-	-	1	-	5	1	-	-	-	-	-	-	-	-	-	-	2	-	5	2								
Contacts Examined at Clinic	15	20	2	3	22	36	5	13	4	3	1	2	1	2	48	46	4	6	89	105	12	24								
	EUROPEAN						NATIVE						COLOURED						ASIATIC						TOTAL					
Home Visits to Tuberculosis and their contacts (Borough cases only)	214						789						141						616						1,760					

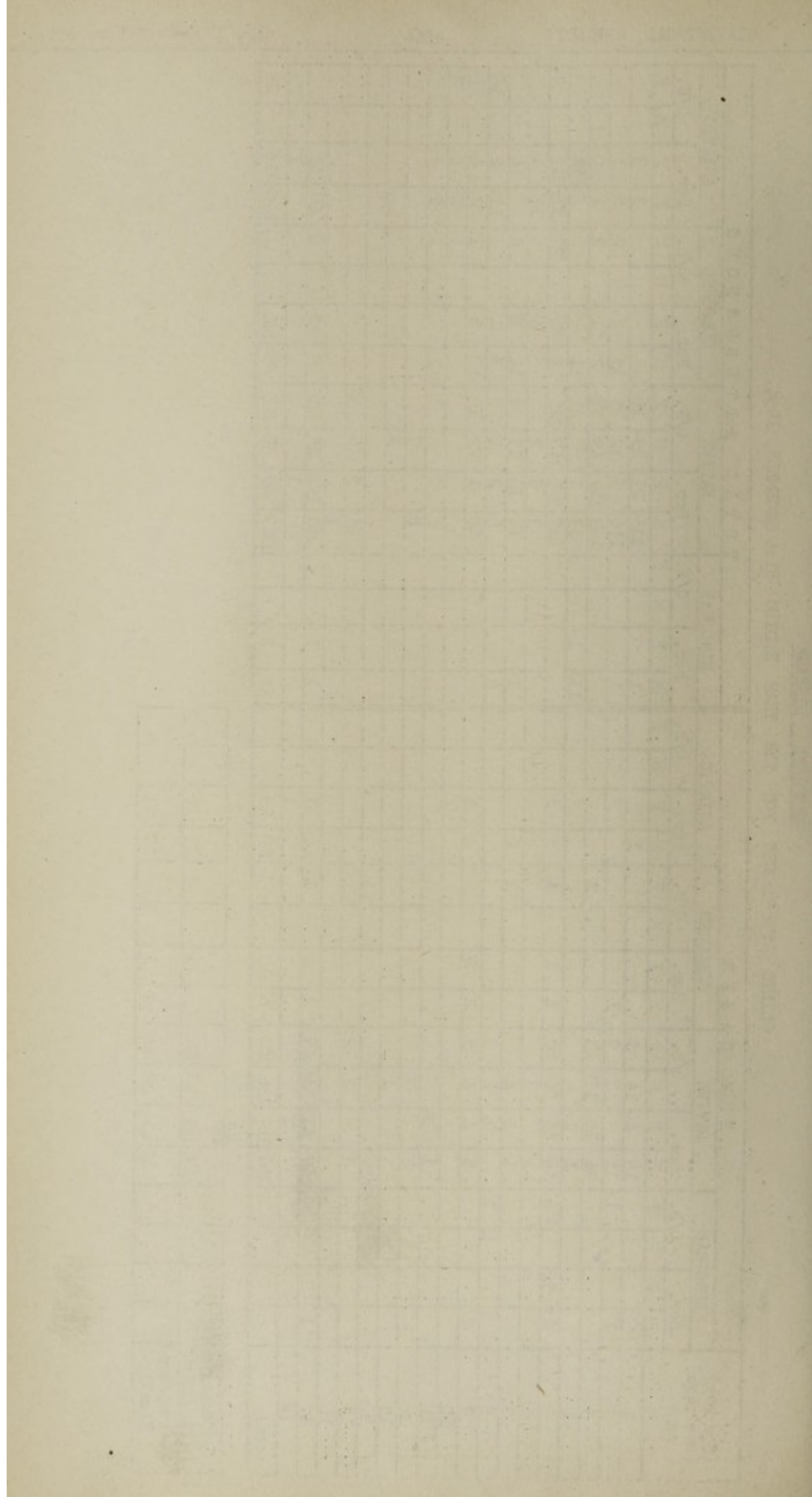


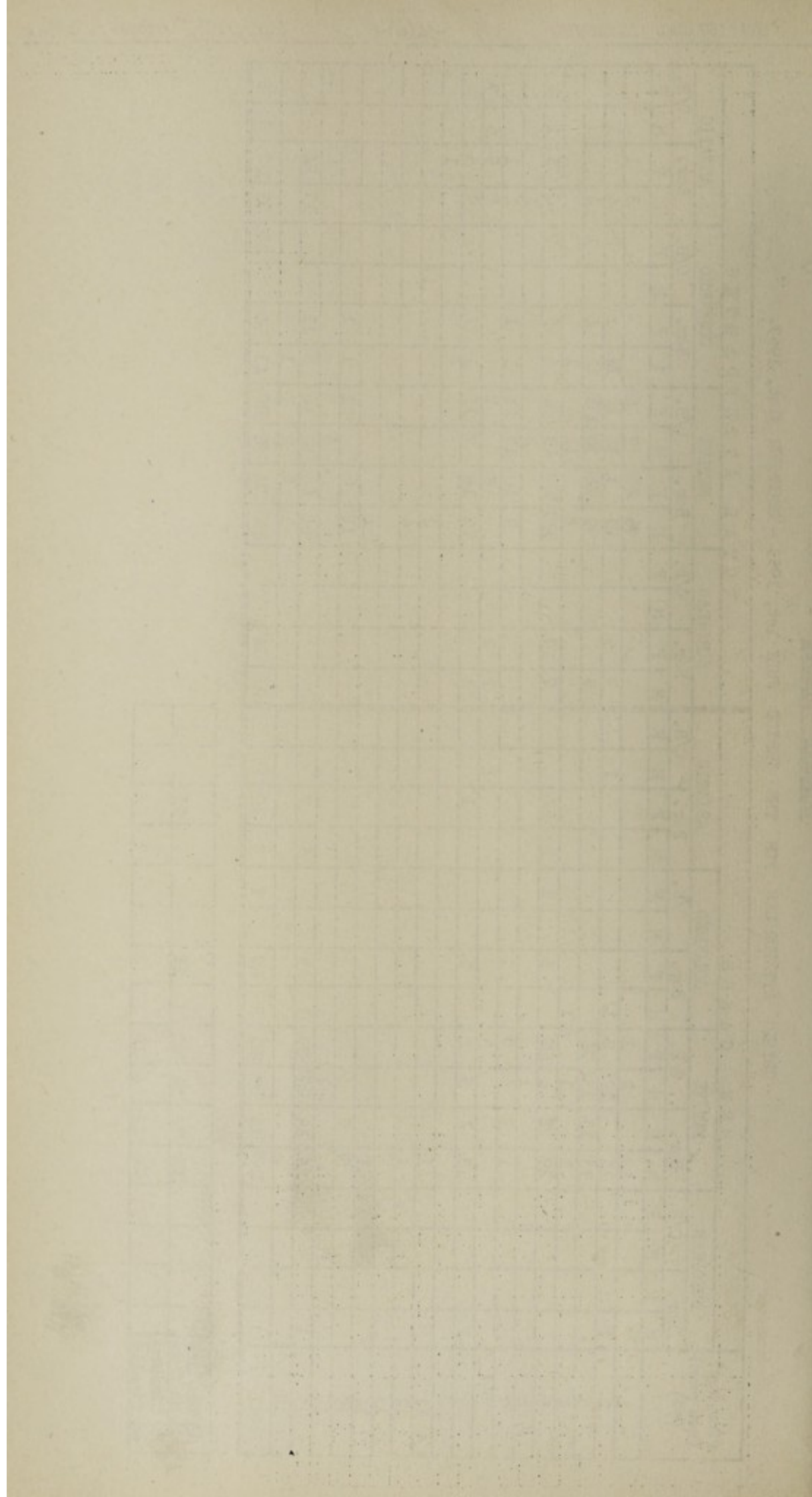
VENEREAL DISEASE

CLINIC ATTENDANCES FOR THE YEAR ENDING 31st DECEMBER, 1954.

(for key) (see page) (59)	NEW CASES												TOTAL ATTENDANCES																				
	EUROPEAN						NATIVE						COLOURED						ASIATIC														
	Bor.			O/B.			Bor.			O/B.			Bor.			O/B.			Bor.			O/B.			Bor.			O/B.					
	M	F		M	F		M	F		M	F		M	F		M	F		M	F		M	F		M	F		M	F				
1																																	
2	1			16	4	14	5																										
3				1		7	7																										
4				24	16	17	13																										
5				1	1																												
6				6	40	45	66																										
7	2	1		1	1	2																											
8				1	1	4																											
9				1	1	2	3																										
10	2			5	4	4	5																										
11																																	
12				3	3																												
13				2																													
14																																	
15																																	
16																																	
17	1	1		59	42	34	47																										
18				2																													
Total :	6	2		8	166	119	136	148		6	10		9	20	23	25	2		1367	945	396	695	83	124	41	140	218	28					

[illegible]

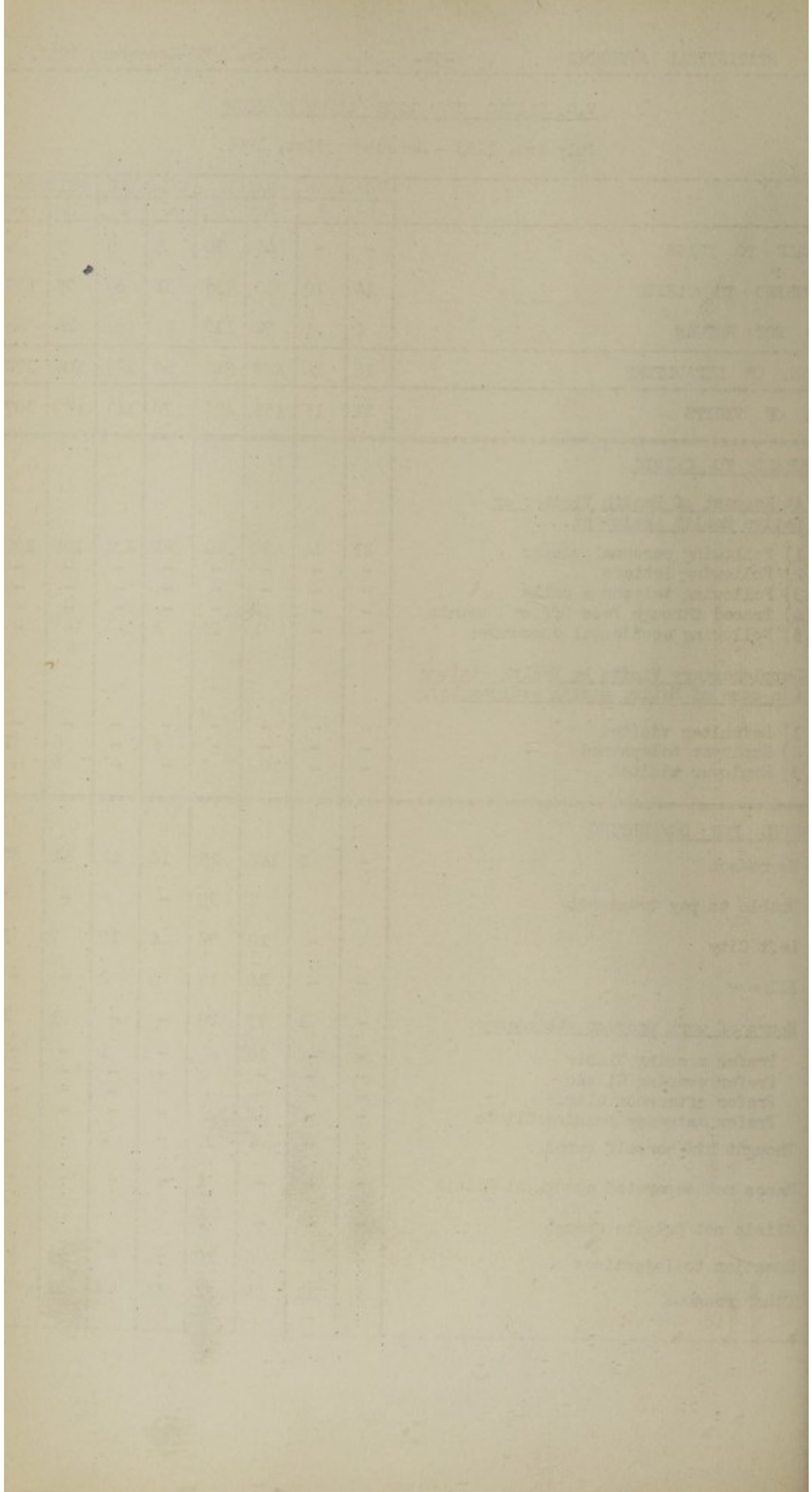




V.D. CLINIC DEFAULTER INVESTIGATIONS

July 1st, 1953 - December 31st, 1954.

	EUROPEAN		NATIVE		COLOURED		ASIATIC	
	M	F	M	F	M	F	M	F
UNABLE TO TRACE	-	-	44	30	4	5	3	6
RETURNED TO CLINIC	14	10	312	235	31	63	75	106
DID NOT RETURN	4	4	72	117	25	61	26	66
TOTAL OF DEFAULTERS	18	14	428	382	60	129	104	178
NO. OF VISITS	21	15	455	426	78	141	137	207
<u>RETURNED TO CLINIC</u>								
<u>A. At Request of Health Visitor or Native Health Assistant.</u>								
1) Following personal visits	21	14	430	382	61	134	104	178
2) Following letters	-	-	-	-	-	-	-	-
3) Following telephone calls	-	-	-	-	-	-	-	-
4) Traced through Pass Office Records	-	-	8	-	-	-	-	-
5) Following accidental encounter	-	-	1	15	1	-	-	-
<u>B. Supplementary Visits by Health Visitor (in case of Native Health Assistants).</u>								
1) Defaulter visited	-	-	-	-	-	-	-	-
2) Employer telephoned	-	-	-	-	5	-	6	1
3) Employer visited	-	-	105	3	-	-	6	-
<u>REASONS FOR DEFAULTING</u>								
No reason	-	2	148	25	18	42	41	88
Unable to pay transport	-	-	2	38	-	6	-	2
Left City	1	-	10	78	4	10	7	3
Illness	-	-	14	12	4	2	-	-
Hours of work prevent attendance:	-	1	73	29	-	-	1	1
Prefer morning Clinic	-	-	10	-	-	1	-	-
Prefer evening Clinic	-	-	-	6	-	-	-	-
Prefer afternoon Clinic	-	-	-	-	-	-	-	-
Prefer Saturday morning Clinic	-	-	12	1	-	-	-	-
Thought him/herself cured	-	-	4	35	-	2	-	2
Races not separated enough at Clinic	-	-	-	1	-	-	-	-
Clinic not private enough	-	-	-	6	-	-	-	-
Reaction to Injections	-	-	6	10	-	-	-	-
Other reasons	5	11	55	52	22	47	39	65



VENEREAL DISEASE Cont'd.

EPIDEMIC (V.D.) HOSPITAL RETURNS

YEAR ENDING 31st DECEMBER, 1954.

NATIVE (for key) (see page) (59)	A In Hospital last day of predg. year						B Admitted from Pass Office and Gaol						C Admitted Vol- untarily & from V.D. Clinic						Discharged or Absconded or Died after Treatment of Duration												
	Bor.			O/B.			Bor.			O/B.			Bor.			O/B.			0 - 14 Days D		15 - 28 Days E		29 - 42 Days F		43 - 56 Days G		57 + Days H				
	M	F		M	F		M	F		M	F		M	F		M	F		M	F		M	F		M	F		M	F		
1													28	7	46	16	30	7	48	16											
2													13		15	3	12		15	3											
3	1			1	1	3							21	23	59	69	24	23	64	68											
4															2	5			2	5											
5							1						4	4	9	32	5	4	10	32											
6																															
7													4	1	11	12	4	1	11	12											
8															2	7			2	7											
9													13	7	12	16	13	7	12	15											
10																															
11													1	1	2		1	1	2												
12													1		8	1	1		8	1											
13															1	4		1	3												
14																															
15				1			1						9	1	15	7	10	1	17	7											
16																															
17													1						10	24											

No. of admissions during Year:

	Borough		O/Borough		Borough		O/Borough		Borough		O/Borough	
	Males	Females	Males	Females	Males	Females	Males	Females	Males	Females	Males	Females

No. of individuals admitted during year.

No. of individuals discharged, etc., during year.

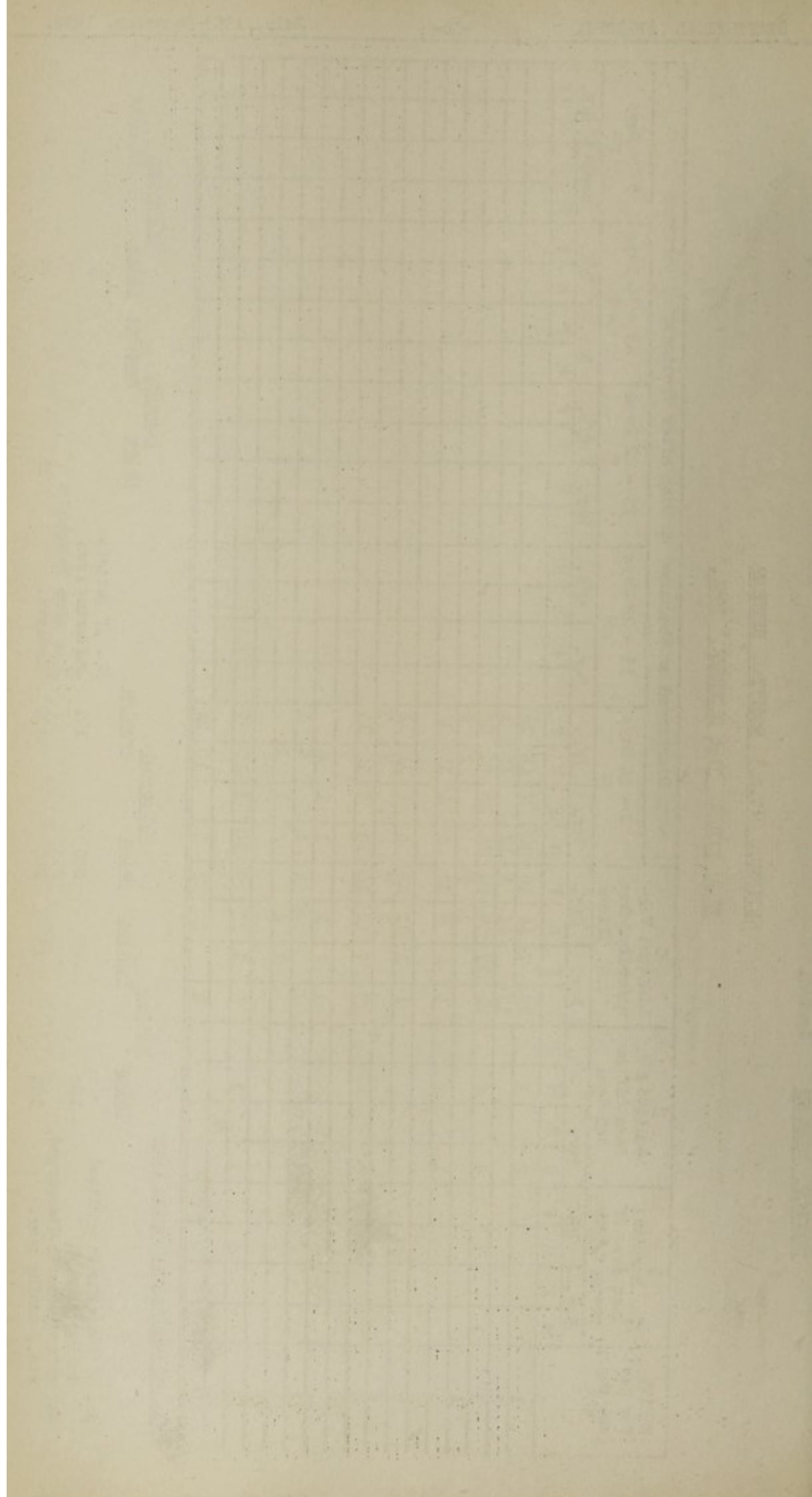
No. of Patients suffering from 2 or more Venereal Diseases.

20

14

5

11



VENEREAL DISEASE Cont'd.

EPIDEMIC (V.D.) HOSPITAL RETURNS

PERIOD JULY 1st, 1953 - DECEMBER 31st, 1953.

NATIVE (for key) (see page) (59)	A In Hospital last day of prev. year				B Admitted from Pass Office and Gaol				C Admitted Vol- untarily & from V.D. Clinic				Discharged or Absconded or Died after Treatment of Duration														
	Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		0 - 14 Days D			15 - 28 Days E			29 - 42 Days F			43 - 56 Days G			57 + Days H		
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
1	3				5		1		21	6	24	23	28	6	25	23	1										
2	1		4	1	3		7		6	1	20	5	10	1	29	5		2	1								
3			1		2		4		14	11	23	59	15	11	27	58											
4			1									1			1			1									
5	1	1		3					5	4	12	32	6	5	12	35											
6																											
7									1	1	7	8	1	1	7	8											
8											2	9			2	9											
9	1				2				9	3	11	14	12	3	11	14											
10																											
11									1		1	2	1		1	2											
12									3		1		3		1												
13											2				2												
14																											
15					1		2		4	2	14	5	5	1	15	4		1									
16																											
17			1	1					3	2	16	13	3	2	17	13											

No. of admissions during Year:

	Borough		O/Borough		No. of Patients suffering from 2 or more Venereal Diseases.	Borough		O/Borough	
	Males	Females	Males	Females		Males	Females	Males	Females

No. of individuals admitted during year.

80

No. of individuals discharged, etc., during year.

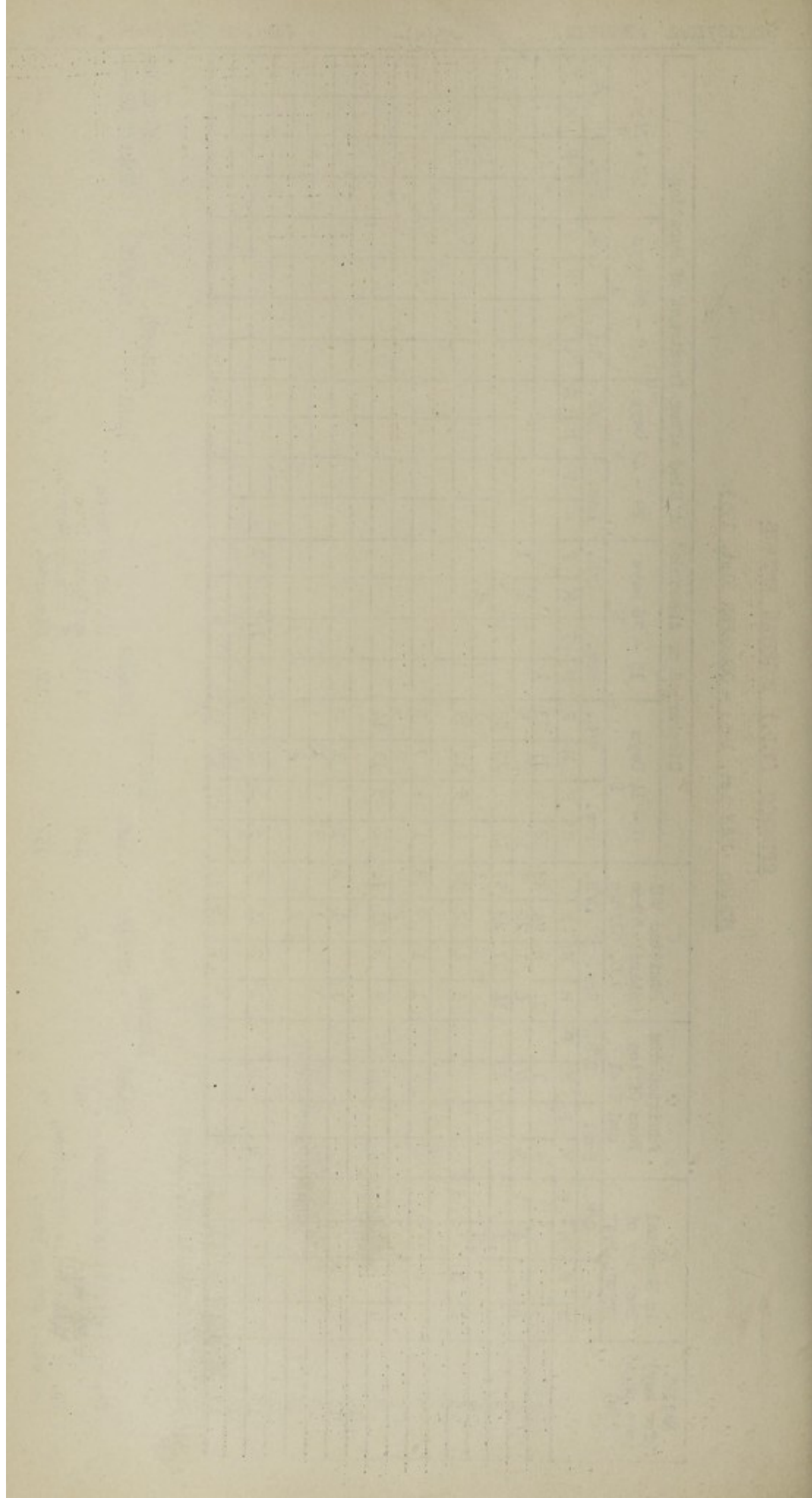
85

8

12

7

12



VENEREAL DISEASE Cont'd.

EPIDEMIC (V.D.) HOSPITAL RETURNS

YEAR ENDING 31st DECEMBER, 1954.

COLOURED (for key) (see page) (59)	A In Hospital last day of precedg. year				B Admitted from Pass Office & Gaol				C Admitted Vol- untarily & from V.D. Clinic				Discharged or Absconded or Died after Treatment of Duration											
	Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
1																								
2																								
3																								
4																								
5																								
6																								
7																								
8																								
9																								
10																								
11																								
12																								
13																								
14																								
15																								
16																								
17																								

No. of admissions during Year:

Borough
Males Females O/Borough
Males Females

Borough
Males Females O/Borough
Males Females

No. of individuals
admitted during the year. 0 2 3

No. of individuals
discharged during the year. 0 2 3

No. of Patients suffer-
ing from 2 or more
Venereal Diseases. 0 0 0

VENEREAL DISEASE Cont'd.

EPIDEMIC (V.D.) HOSPITAL RETURNS

PERIOD JULY 1st, 1953 - DECEMBER 31st, 1953.

COLOURED (for key) (see page) (59)	A In Hospital last day of predg. year		B Admitted from Pass Office & Gaol		C Admitted Vol- untarily & from V.D. Clinic		Discharged or Absconded or Died after Treatment of Duration									
	O/B.		O/B.		O/B.		0 - 14 Days D		15 - 28 Days E		29 - 42 Days F		43 - 56 Days G		57 + Days H	
	Bor.	M	Bor.	M	Bor.	M	Bor.	M	Bor.	M	Bor.	M	Bor.	M	Bor.	M
1																
2					1		1									
3																
4					1		1									
5																
6																
7																
8																
9					1		1									
10																
11																
12																
13																
14																
15																
16																
17																

No. of admissions during Year:

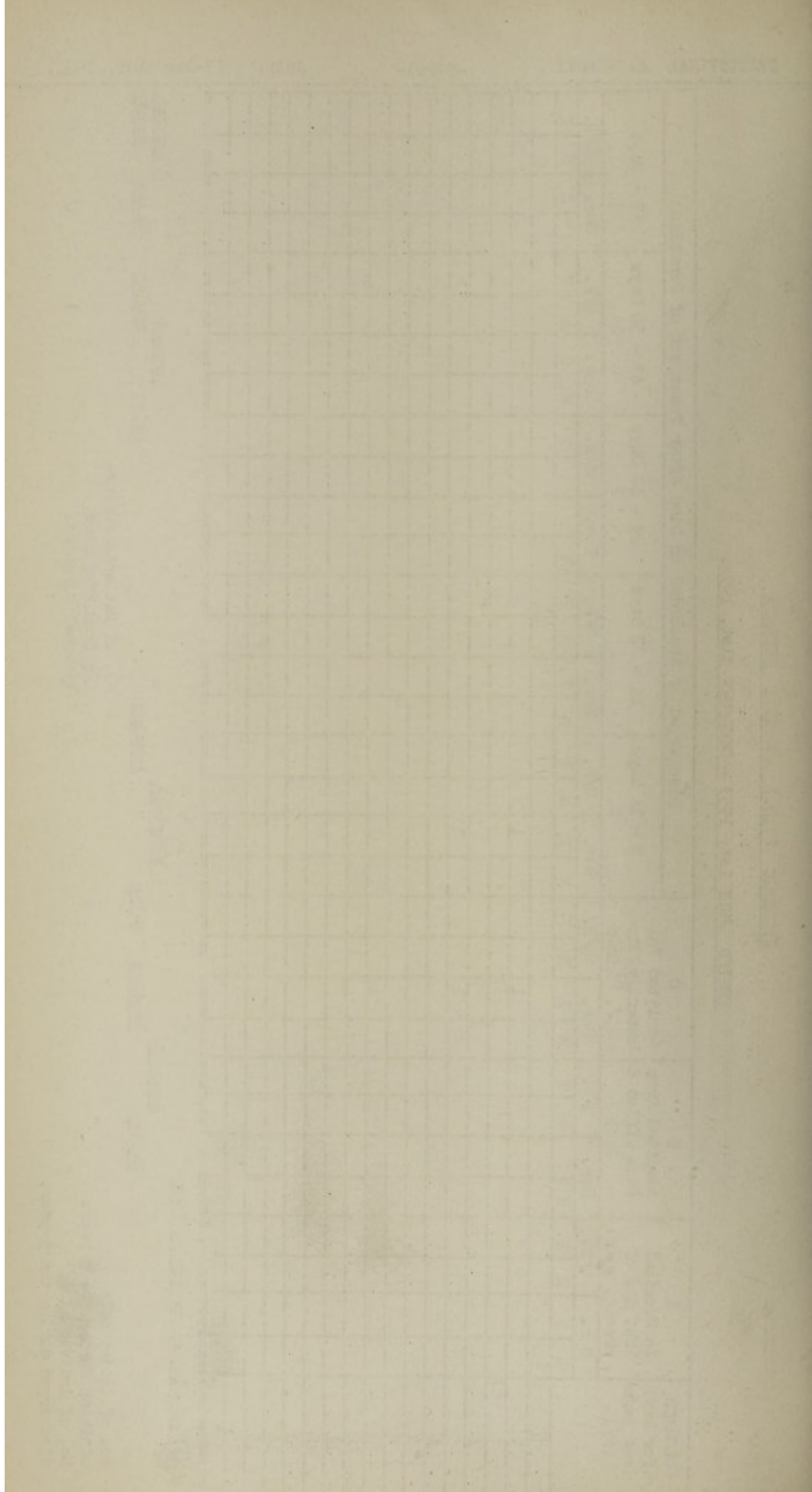
	Borough		O/Borough		Borough		O/Borough	
	Males	Females	Males	Females	Males	Females	Males	Females

No. of individuals
admitted during the $\frac{1}{2}$ year.

No. of individuals
discharged during the $\frac{1}{2}$ year.

No. of Patients suffer-
ing from 2 or more
Venereal Diseases.

0 0 0 1 0 0



VENEREAL DISEASE Cont'd.

EPIDEMIC (V.D.) HOSPITAL RETURNS
YEAR ENDING 31st DECEMBER, 1954.

ASIATIC (for key) (see page) (59)	A In Hospital last day of predg. year		B Admitted from Pass Office & Gaol		C Admitted Vol- untarily & from V.D. Clinic		Discharged or Absconded or Died after treatment of Duration											
	O/B.		O/B.		O/B.		0 - 14 Days D		15 - 28 Days E		29 - 42 Days F		43 - 56 Days G		57 + Days H			
	Bor.	F	Bor.	F	Bor.	F	Bor.	F	Bor.	F	Bor.	F	Bor.	F	Bor.	F		
	M		M		M		M		M		M		M		M			
1																		
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		

No. of admissions during Year:

	Borough		O/Borough		Borough		O/Borough	
	Male	Female	Male	Female	Male	Female	Male	Female

No. of individuals admitted

during the year

No. of individuals dis-

charged during the year

No. of Patients suffer-

ing from 2 or more

Venereal Diseases.

0

0

0

0

0

0

1

1

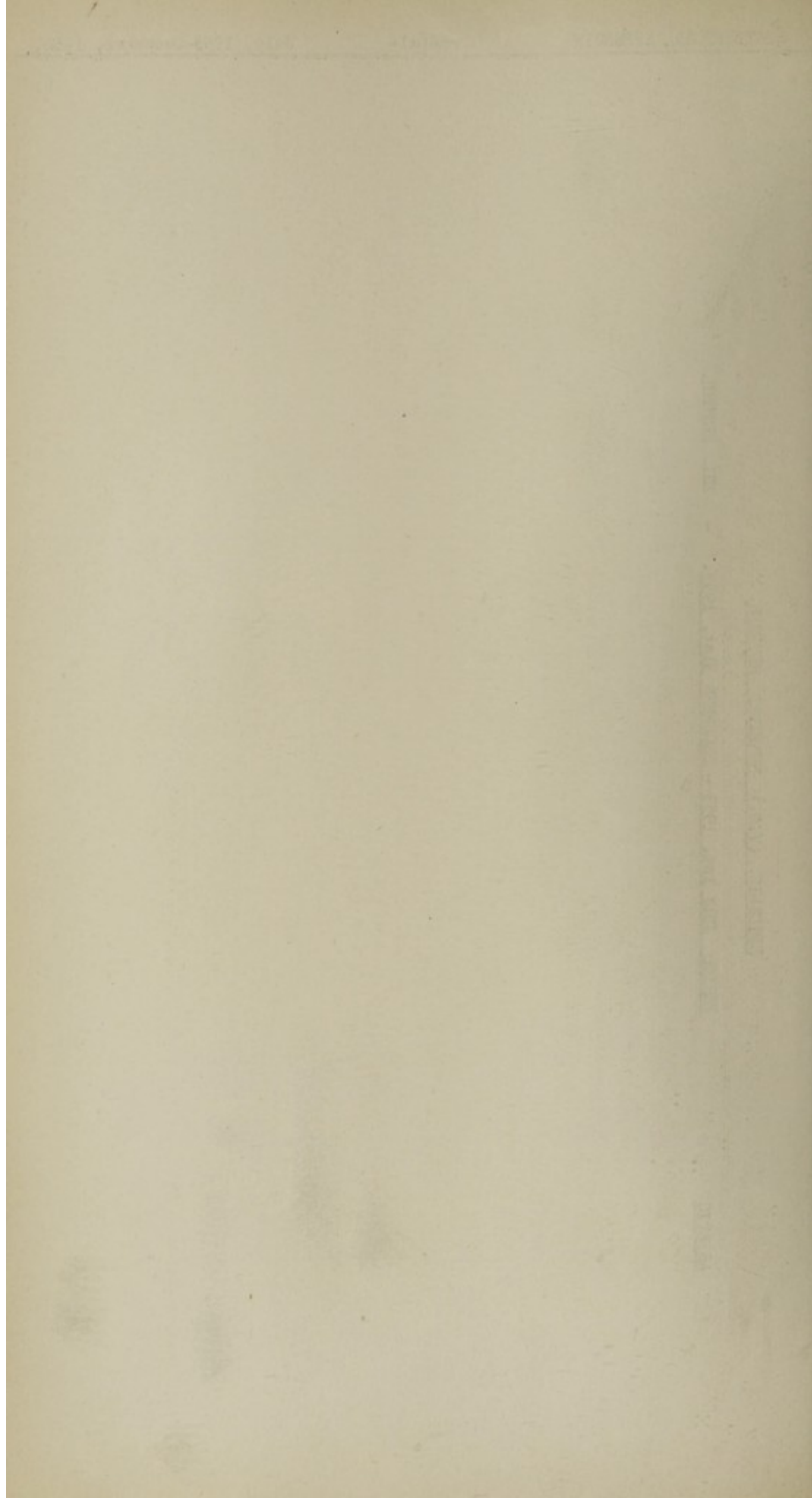
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VENEREAL DISEASE Cont'd.

EPIDEMIC (V.D.) HOSPITAL RETURNS

PERIOD JULY 1st, 1953 - DECEMBER 31st, 1953. - NIL RETURN.

ASIATIC



VENEREAL DISEASE Cont'd.KEY TO VENEREAL DISEASE CLINIC AND HOSPITAL RETURNS

1. Seronegative Primary Syphilis.
2. Seropositive Primary Syphilis.
3. Secondary Syphilis.
4. Tertiary Syphilis (clinical).
5. Latent Syphilis (Serological).
6. Neurosyphilis.
7. Congenital Syphilis under 1 year.
8. Congenital Syphilis over 1 year.
9. Gonorrhoea.
10. Gonococcal Vulvo Vaginitis.
11. Gonococcal Ophthalmia.
12. Chancroid.
13. Lymphogranuloma Venereum.
14. Granuloma Inguinale.
15. Venereal Warts.
16. -
17. Suspected Venereal Disease which proved Non-Venereal.
18. Suffering from 2 or more Venereal Diseases.

DAILY AVERAGE OF IN-PATIENTS AT MUNICIPAL EPIDEMIC HOSPITAL

(Non-European Venereal Diseases).

July 1st, 1953 - December 31st, 1954.

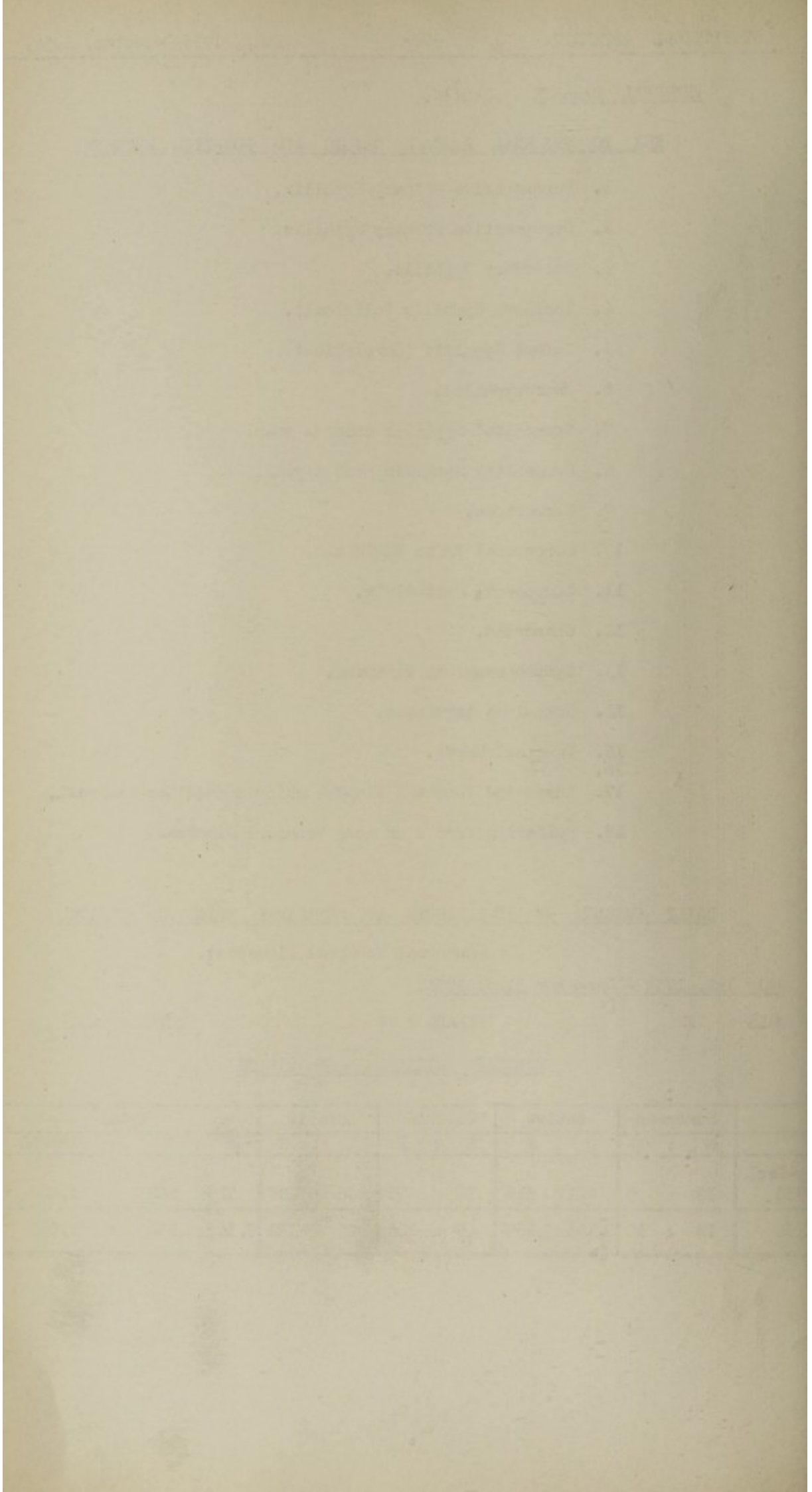
MALE : 11

FEMALE : 9

TOTAL : 20.

VENEREAL DISEASE HOME VISITS

	European		Native		Coloured		Asiatic		Total	
	M	F	M	F	M	F	M	F	M	F : PERSONS
July-Dec., 1953	13	9	601	515	36	70	76	88	726	682 : 1,408
1954	18	10	1,195	1,387	45	105	88	132	1,346	1,634 : 2,980



SECTION 36									
TOWNSHIP 36 N. RANGE 10 E. SECTION 36									
ACRES									
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

SECTION 36, TOWNSHIP 36 N., RANGE 10 E., SECTION 36

1. The land in this section is owned by the State of Iowa.

2. The land in this section is owned by the State of Iowa.

3. The land in this section is owned by the State of Iowa.

4. The land in this section is owned by the State of Iowa.

5. The land in this section is owned by the State of Iowa.

6. The land in this section is owned by the State of Iowa.

7. The land in this section is owned by the State of Iowa.

8. The land in this section is owned by the State of Iowa.

9. The land in this section is owned by the State of Iowa.

10. The land in this section is owned by the State of Iowa.

CULTURE	MONTHS												TOTAL
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
Wheat	10	15	20	25	30	35	40	45	50	55	60	65	450
Barley	5	10	15	20	25	30	35	40	45	50	55	60	225
Oats	3	5	7	10	12	15	18	20	22	25	28	30	135
Rye	2	3	4	5	6	7	8	9	10	11	12	13	60
Triticum	1	2	3	4	5	6	7	8	9	10	11	12	30
Speltz	1	2	3	4	5	6	7	8	9	10	11	12	30
Other	1	2	3	4	5	6	7	8	9	10	11	12	30
Total	22	37	52	69	83	96	108	120	132	140	148	155	780

WHEAT AND BARLEY ARE THE MOST IMPORTANT CEREALS IN THE UNITED STATES.

ISOLATION HOSPITAL (EUROPEAN) AND NON-EUROPEAN
INFECTIOUS DISEASES HOSPITAL CASES ADMITTED
JANUARY 1st, 1954 to DECEMBER 31st, 1954.

	Borough Cases					Out-of-Borough Cases					Total Cases Borough and Out-of-Borough
	E	N	C	A	Total	E	N	C	A	Total	
Scarlet Fever	20 ⁺	-	-	-	20	1	-	-	-	1	21
Measles	3	2	-	1	6	2	19	-	-	21	27
Diphtheria	15	12 [*]	-	11	38	9 [*]	35 ^o	1	1 [*]	46	84
Rumps	9	-	-	-	9	-	-	-	-	-	9
Whooping Cough	8	1	-	1	10	-	12	-	-	12	22
Chicken Pox	12	10	-	-	22	3	7	-	-	10	32
C.S. Fever	2	-	1	-	3	1	9	-	1	11	14
German Measles	2	-	-	-	2	-	-	-	-	-	2
Rumps and Pulmonary T.B.	-	-	-	-	-	-	1	-	-	1	1
Erysipelas	-	-	-	-	-	-	1	-	-	1	1
Pulmonary Tuberculosis	2	20	3	5	30	1	49	3	2	55	85
Ringworm	-	-	-	-	-	-	1	-	-	1	1
Poliomyelitis	17	6	-	1	24	10	35	-	-	45	69
Typhus Fever	-	-	-	-	-	-	1	-	-	1	1
Trachoma	-	2	-	1	3	-	-	-	-	-	3
Boat-rider	-	1	-	-	1	-	-	-	-	-	1
TOTAL :	90	54	4	20	168	27	170	4	4	205	373

* Includes 1 "Carrier".

^o Includes 1 Carrier and 1 Diphtheritic Conjunctivitis.

⁺ Includes 2 Haemolytic Strep. Throat.

ISOLATION HOSPITAL (EUROPEAN) AND NON-EUROPEAN
INFECTIOUS DISEASES HOSPITAL CASES ADMITTED
JULY 1st, 1953 to DECEMBER 31st, 1953.

	Borough Cases					Out-of-Borough Cases					Total Cases Borough and Out-of-Borough
	E	N	C	A	Total	E	N	C	A	Total	
Scarlet Fever	10	-	-	-	10	2	-	-	-	2	12
Measles	22	7	-	-	29	4	13	-	-	17	46
Diphtheria	4	4	1	1	10	1	35	2	1	39	49
Mumps	3	2	-	-	5	7	-	-	-	7	12
Whooping Cough	-	-	-	-	-	2	4	1	-	7	7
Chicken Pox	8	5	-	1	14	-	2	-	-	2	16
C.S. Fever	2	-	-	-	2	-	9	-	-	9	11
German Measles	19	-	-	-	19	-	-	-	-	-	19
Erysipelas	-	-	-	-	-	-	1	-	-	1	1
Measles & Chicken Pox	1	-	-	-	1	-	-	-	-	-	1
Pulmonary Tuberculosis	-	15	-	6	21	-	14	-	2	16	37
Leprosy	-	-	-	-	-	-	1	-	-	1	1
Paralytic Poliomyelitis	-	-	-	-	-	2	1	-	-	3	3
Non-Paralytic Poliomyelitis	1	-	-	-	1	2	-	-	-	2	3
Tetanus	-	-	-	-	-	-	1	-	-	1	1
Boarder	-	-	-	-	-	-	1	-	-	1	1
TOTAL :	70	33	1	8	112	20	82	3	3	108	220

ISOLATION HOSPITAL AND NON-EUROPEAN INFECTIOUS
DISEASES HOSPITAL

The following alterations in diagnosis were made following observation in hospital:-

January - December, 1954.

BOROUGH CASES

- In 1 case (Eur.) diagnosis Scarlet Fever altered to Influenza.
- In 1 case (As.) diagnosis Diphtheria altered to Diphtheria carrier.
- In 11 cases (4 Eur., 5 Nat., 2 As.) diagnosis Diphtheria altered to Tonsillitis.
- In 1 case (Eur.) diagnosis Diphtheria contact altered to Diphtheria carrier.
- In 1 case (Nat.) diagnosis Diphtheria altered to Vincent's Angina.
- In 1 case (Nat.) diagnosis Diphtheria altered to Laryngitis.
- In 1 case (Nat.) diagnosis Diphtheria altered to Diphtheroids.
- In 1 case (Eur.) diagnosis Mumps altered to Cervical Adenitis.
- In 1 case (Nat.) diagnosis Chicken Pox altered to Scabies.
- In 1 case (Eur.) diagnosis C.S. Meningitis altered to Meningismus.
- In 1 case (Eur.) diagnosis C.S. Meningitis altered to P.U.O.
- In 1 case (Eur.) diagnosis Meningitis altered to Otitis Media.
- In 1 case (Nat.) diagnosis Whooping Cough altered to Nutritional Oedema.
- In 1 case (Nat.) diagnosis Whooping Cough altered to Bronchitis and Pneumonia.
- In 1 case (Eur.) diagnosis German Measles altered to Measles.
- In 3 cases (2 Eur., 1 Nat.) diagnosis Poliomyelitis altered to Influenza.
- In 1 case (Nat.) diagnosis Poliomyelitis altered to Pneumococcal Meningitis.
- In 1 case (Nat.) diagnosis Poliomyelitis altered to Arthritis.
- In 1 case (Eur.) diagnosis Poliomyelitis was altered to Muscle Strain.
- In 1 case (Eur.) diagnosis Poliomyelitis was altered to Hysterical Paralysis.
- In 1 case (Nat.) diagnosis Poliomyelitis was altered to Convulsions and Broncho-Pneumonia.

OUT-OF-BOROUGH CASES

- In 1 case (Nat.) diagnosis Pulmonary Tuberculosis altered to Broncho-Pneumonia.
- In 1 case (Nat.) diagnosis Typhus altered to Mental Disorder.
- In 1 case (Nat.) diagnosis Whooping Cough altered to Bronchitis.
- In 2 cases (Nat.) diagnosis Whooping Cough altered to Pneumonia.
- In 1 case (Nat.) diagnosis Diphtheria altered to P.U.O.
- In 1 case (Nat.) diagnosis Diphtheria altered to Croup.
- In 1 case (Nat.) diagnosis Diphtheria altered to Laryngitis and Measles.
- In 2 cases (Nat.) diagnosis Diphtheria altered to Pharyngitis.
- In 3 cases (2 Eur., 1 Nat.) diagnosis Diphtheria altered to Tonsillitis.
- In 1 case (Col.) diagnosis Diphtheria altered to Laryngitis.
- In 4 cases (Nat.) diagnosis Diphtheria altered to Diphtheria Carrier.
- In 1 case (Eur.) diagnosis Measles altered to Allergic rash.
- In 1 case (Eur.) diagnosis Measles altered to Infective Endocarditis.
- In 1 case (Nat.) diagnosis Meningitis altered to Convulsions.
- In 1 case (Nat.) diagnosis Meningitis altered to Polio-encephalitis.
- In 1 case (Nat.) diagnosis C.S. Meningitis altered to Pneumococcal Meningitis.
- In 1 case (Nat.) diagnosis Meningitis altered to Injury to Bladder.
- In 2 cases (Nat.) diagnosis Meningitis altered to Measles.
- In 1 case (Nat.) diagnosis Poliomyelitis altered to Polyarthrititis.
- In 1 case (Nat.) diagnosis Poliomyelitis altered to Diarrhoea.
- In 1 case (Nat.) diagnosis Poliomyelitis altered to Injury to Spine.
- In 1 case (Nat.) diagnosis Poliomyelitis altered to ? Cerebral Tumour.
- In 1 case (Eur.) diagnosis Poliomyelitis altered to Influenza.
- In 1 case (Nat.) diagnosis Poliomyelitis altered to Osteitis.

In 3 cases/

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1. The first part of the book is devoted to a general introduction to the theory of the atom. It begins with a discussion of the historical development of atomic theory, from the ancient Greeks to the modern quantum theory. The author then discusses the basic principles of quantum mechanics, including the wave-particle duality, the uncertainty principle, and the Schrödinger equation. The second part of the book is devoted to a detailed discussion of the structure of the atom. It begins with a discussion of the hydrogen atom, which is the simplest atom and the only one for which an exact solution of the Schrödinger equation is possible. The author then discusses the structure of multi-electron atoms, which is a much more complex problem. The third part of the book is devoted to a discussion of the properties of atoms, including their chemical and physical properties. The author discusses the periodic table of elements, the properties of the various elements, and the properties of the various states of matter. The fourth part of the book is devoted to a discussion of the applications of atomic theory. The author discusses the applications of atomic theory to the fields of chemistry, physics, and engineering. The book is written in a clear and concise style, and it is suitable for use as a textbook in a course on atomic theory.

ISOLATION HOSPITAL AND NON-EUROPEAN INFECTIOUS DISEASESHOSPITAL

Cont'd.

OUT-OF-BOROUGH CASES

- In 3 cases (Nat.) diagnosis Poliomyelitis altered to Typhoid Fever.
- In 3 cases (Nat.) diagnosis Poliomyelitis altered to P.U.O.
- In 1 case (Nat.) diagnosis Poliomyelitis altered to T.B. Hip & T.B. Glands
Neck.
- In 1 case (Nat.) diagnosis Poliomyelitis altered to Acute Hip Disease.
- In 1 case (Nat.) diagnosis Poliomyelitis altered to T.B. Broncho-Pneumonia.
- In 3 cases (1 Eur., 2 Nat.) diagnosis Poliomyelitis altered to Meningitis.
- In 1 case (Nat.) diagnosis Poliomyelitis altered to Fibrositis.
- In 1 case (Nat.) diagnosis Poliomyelitis altered to Abscess in Groin.
- In 1 case (Nat.) diagnosis Poliomyelitis altered to Tetanus.
- In 1 case (Eur.) diagnosis Poliomyelitis altered to Alcoholic Peripheral
Neuritis.
- In 1 case (Eur.) diagnosis Poliomyelitis altered to Bornholms disease.

REPORT OF THE
COMMISSIONER OF THE GENERAL LAND OFFICE

IN 1889 (1st.) the same land was sold to the
In 1889 (2nd.) the same land was sold to the
In 1889 (3rd.) the same land was sold to the
In 1889 (4th.) the same land was sold to the
In 1889 (5th.) the same land was sold to the
In 1889 (6th.) the same land was sold to the
In 1889 (7th.) the same land was sold to the
In 1889 (8th.) the same land was sold to the
In 1889 (9th.) the same land was sold to the
In 1889 (10th.) the same land was sold to the

INFANT WELFARE1. INFANT CLINICS

1954.

	European	Native	Coloured	Asiatic
<u>NEW CASES:</u>				
Under 1 Year	452	453	157	430
Over 1 Year	4	49	8	18
<u>ATTENDANCES:</u>				
Under 1 Year	6,228	4,080	1,469	4,419
Over 1 Year	349	594	274	453
TOTAL :	6,577	4,674	1,743	4,872
Number on Register	962	697	347	799
Average Attendance per person	6.8	6.7	5.0	6.1

2. HOME VISITS

	European	Native	Coloured	Asiatic	Total
Ante-Natal	0	153	23	55	231
First Visits - (Notified Births)	577	266	145	655	1,643
Re-visits - under 1 year	667	1,020	178	553	2,418
Re-visits - over 1 year	330	547	493	1,332	2,702
Infectious Disease (Non-T.B.)	163	11	8	8	190
Protected Infants	4	3	5	4	16
Pediculosis and Scabies Visits	0	1	0	0	1
Confinement Visits	0	129	0	0	129
Infantile Mortality Visits	6	34	1	5	46
Nursing Home and Day Nursery Inspections	0	0	0	0	0
Other Home Visits (Housing Investi- gations, etc.)	20	0	0	2	22
TOTAL :	1,767	2,164	853	2,614	7,398

3. MILK DISTRIBUTED

	European	Native	Coloured	Asiatic	Total
Fresh - Pints	1,961	8,269	4,879	10,151	25,260
Dried - lbs.	38	520	453	713	1,724

INFANT WELFARE1. INFANT CLINICS

July 1st, 1953 - December 31st, 1953.

	European	Native	Coloured	Asiatic
<u>NEW CASES:</u>				
Under 1 Year	282	170	83	199
Over 1 Year	7	24	6	6
<u>ATTENDANCES:</u>				
Under 1 Year	3,807	1,565	830	2,133
Over 1 Year	420	662	259	490
TOTAL :	4,227	2,227	1,089	2,623
Number on Register	590	210	204	528
Average Attendance per person	7.2	10.6	5.3	5.0

2. HOME VISITS

	European	Native	Coloured	Asiatic	Total
Ante-Natal	0	10	12	29	51
First Visits - (Notified Births)	310	58	90	344	802
Re-visits - under 1 year	453	604	398	804	2,259
Re-visits - over 1 year	304	461	720	1,837	3,322
Infectious Disease (Non-T.B.)	109	4	1	5	119
Protected Infants	1	3	12	4	20
Pediculosis and Scabies Visits	0	0	0	0	0
Confinement Visits	0	58	0	0	58
Infantile Mortality Visits	12	5	2	3	22
Nursing Home and Day Nursery Inspections	0	0	0	0	0
Other Home Visits (Housing Investigations, etc.)	18	0	38	0	56
TOTAL :	1,207	1,203	1,273	3,026	6,709

3. MILK DISTRIBUTED

	European	Native	Coloured	Asiatic	Total
Fresh - Pints	1,071	4,692	2,828	5,229	13,820
Dried - lbs.	0	128	125	175	428

Year	1900	1901	1902	1903
1900	100	100	100	100
1901	100	100	100	100
1902	100	100	100	100
1903	100	100	100	100

Year	1900	1901	1902	1903
1900	100	100	100	100
1901	100	100	100	100
1902	100	100	100	100
1903	100	100	100	100

Year	1900	1901	1902	1903
1900	100	100	100	100
1901	100	100	100	100
1902	100	100	100	100
1903	100	100	100	100

FOODSTUFFSSAMPLES TAKEN AND SUBMITTED FOR ANALYSIS1. MILK.(a) Bacteriological Examination. July 1st, 1953 - December 31st, 1954.

Samples with less than 30,000 bacteria per c.c.	: 17 (inc. 3 Pasteurised)
Samples with between 30,000 and 200,000 bacteria per c.c.	: 17 (inc. 1 Pasteurised)
Samples with more than 200,000 bacteria per c.c.	: 31 (inc. 2 Pasteurised)
<u>TOTAL</u>	: <u>65</u> (inc. 6 Pasteurised)

Samples with B. Coli present in 1/100 c.c. or less	: 40 (inc. 2 Pasteurised)
Samples with B. Coli present in 1/10 but not in 1/100 c.c.	: 12 (inc. 1 Pasteurised)
Samples with B. Coli absent in 1/10 c.c. or more	: 13 (inc. 3 Pasteurised)
<u>TOTAL</u>	: <u>65</u> (inc. 6 Pasteurised)

(b) Bacteriological Examination. 1954.

Samples with less than 30,000 bacteria per c.c.	: 30 (inc. 2 Pasteurised)
Samples with between 30,000 and 200,000 bacteria per c.c.	: 41 (inc. 8 Pasteurised)
Samples with more than 200,000 bacteria per c.c.	: 67 (inc. 1 Pasteurised)
<u>TOTAL</u>	: <u>138</u> (inc. 11 Pasteurised)

Samples with B. Coli present in 1/100 c.c. or less	: 96 (inc. 4 Pasteurised)
Samples with B. Coli present in 1/10 but not in 1/100 c.c.	: 23 (inc. 7 Pasteurised)
Samples with B. Coli absent in 1/10 c.c. or more	: 19
<u>TOTAL</u>	: <u>138</u> (inc. 11 Pasteurised)

(c) Chemical Examination (By Government Analyst). July-December, 1953.

Samples with Solids-Not-Fat 8.5% and over	: 2
Samples with Solids-Not-Fat over 8% and under 8.5%	: 2 (inc. 1 Pasteurised)
Samples with Solids-Not-Fat below 8%	: 0
<u>TOTAL</u>	: <u>4</u>

Samples with Butter Fat 3% and over	: 4 (inc. 1 Pasteurised)
Samples with Butter Fat under 3%	: 0
<u>TOTAL</u>	: <u>4</u>

(d) Chemical Examination (By Government Analyst). 1954.

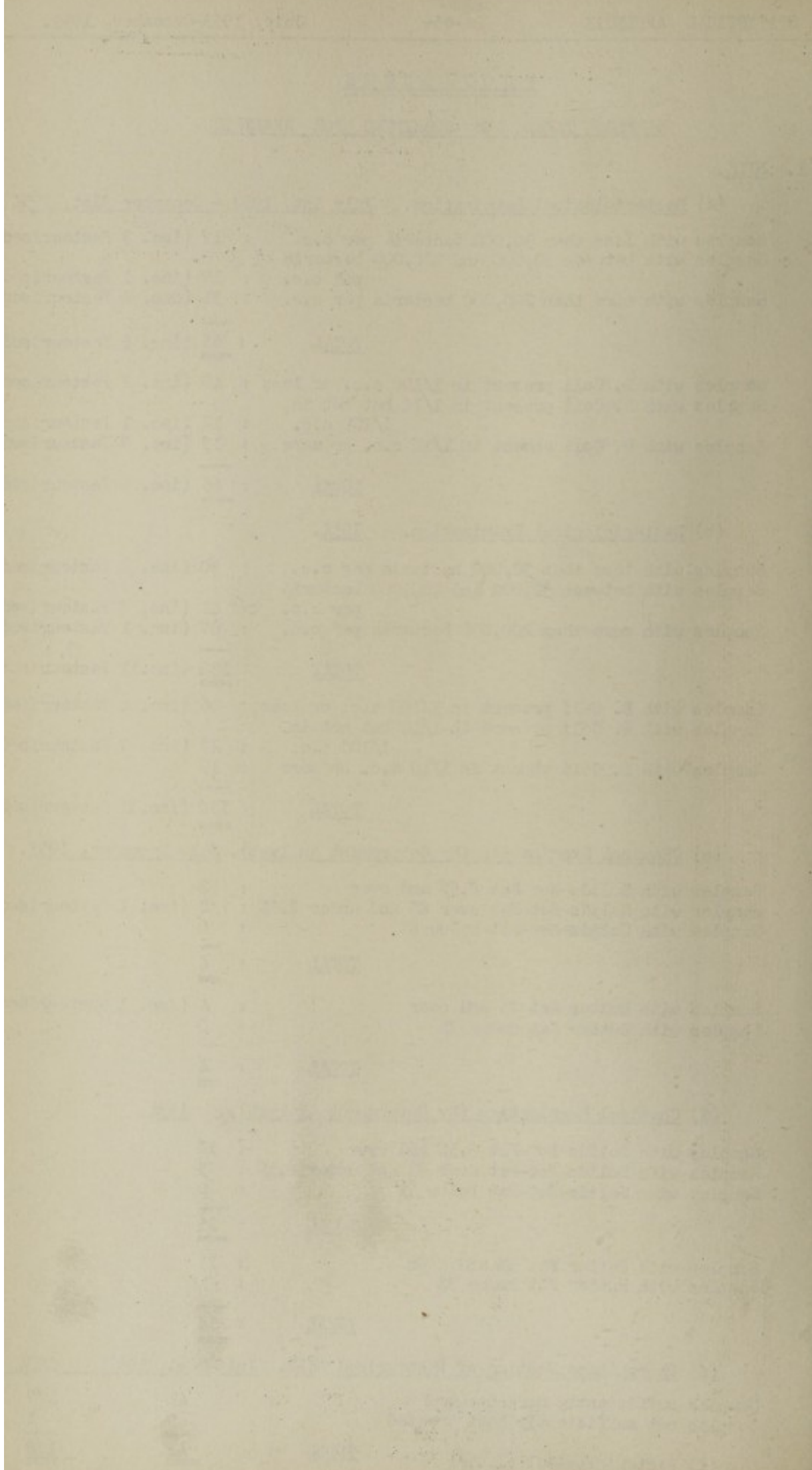
Samples with Solids-Not-Fat 8.5% and over	: 12
Samples with Solids-Not-Fat over 8% and under 8.5%	: 3
Samples with Solids-Not-Fat below 8%	: 0
<u>TOTAL</u>	: <u>15</u>

Samples with Butter Fat 3% and over	: 15
Samples with Butter Fat under 3%	: 0
<u>TOTAL</u>	: <u>15</u>

(e) Phosphatase Testing of Pasteurised Milk. July-Dec., 1953 1954

Samples sufficiently heat treated	: 48	187
Samples not sufficiently heat treated	: 0	1

(f) Bacteriological	<u>TOTAL</u> : <u>48</u>	<u>188</u>
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FOODSTUFFS Cont'd.(f) Bacteriological Testing of Milk Bottles and Cartons.

		<u>July-Dec., 1953</u>	<u>1954</u>
Samples satisfactory	:	21	23
Samples fairly satisfactory	:	2	6
Samples unsatisfactory	:	1	5
		<u>24</u>	<u>34</u>
<u>TOTAL</u>	:	<u>24</u>	<u>34</u>

2. ICE CREAM.

Samples of Ice Cream conforming to standard	:	0	3
Samples of Ice Cream not conforming to standard	:	0	0
		<u>0</u>	<u>3</u>
<u>TOTAL</u>	:	<u>0</u>	<u>3</u>

3. SAUSAGE.

Samples of Sausage conforming to standard	:	0	3
Samples of Sausage not conforming to standard	:	0	0
		<u>0</u>	<u>3</u>
<u>TOTAL</u>	:	<u>0</u>	<u>3</u>

4. MINCE MEAT.

Samples of Mince Meat conforming to standard	:	0	5
Samples of Mince Meat not conforming to standard	:	0	0
		<u>0</u>	<u>5</u>
<u>TOTAL</u>	:	<u>0</u>	<u>5</u>

5. CREAM.

Samples of Cream conforming to standard	:	8	18
Samples of Cream not conforming to standard	:	0	0
		<u>8</u>	<u>18</u>
<u>TOTAL</u>	:	<u>8</u>	<u>18</u>

6. WATERS. (Bacteriological examination by Bio-Chemist - City Engineer's Department.

(Results recorded in accordance with method laid down by Ministry of Health, Publication No. 71, 1939).

MUNICIPAL WATER SUPPLY.

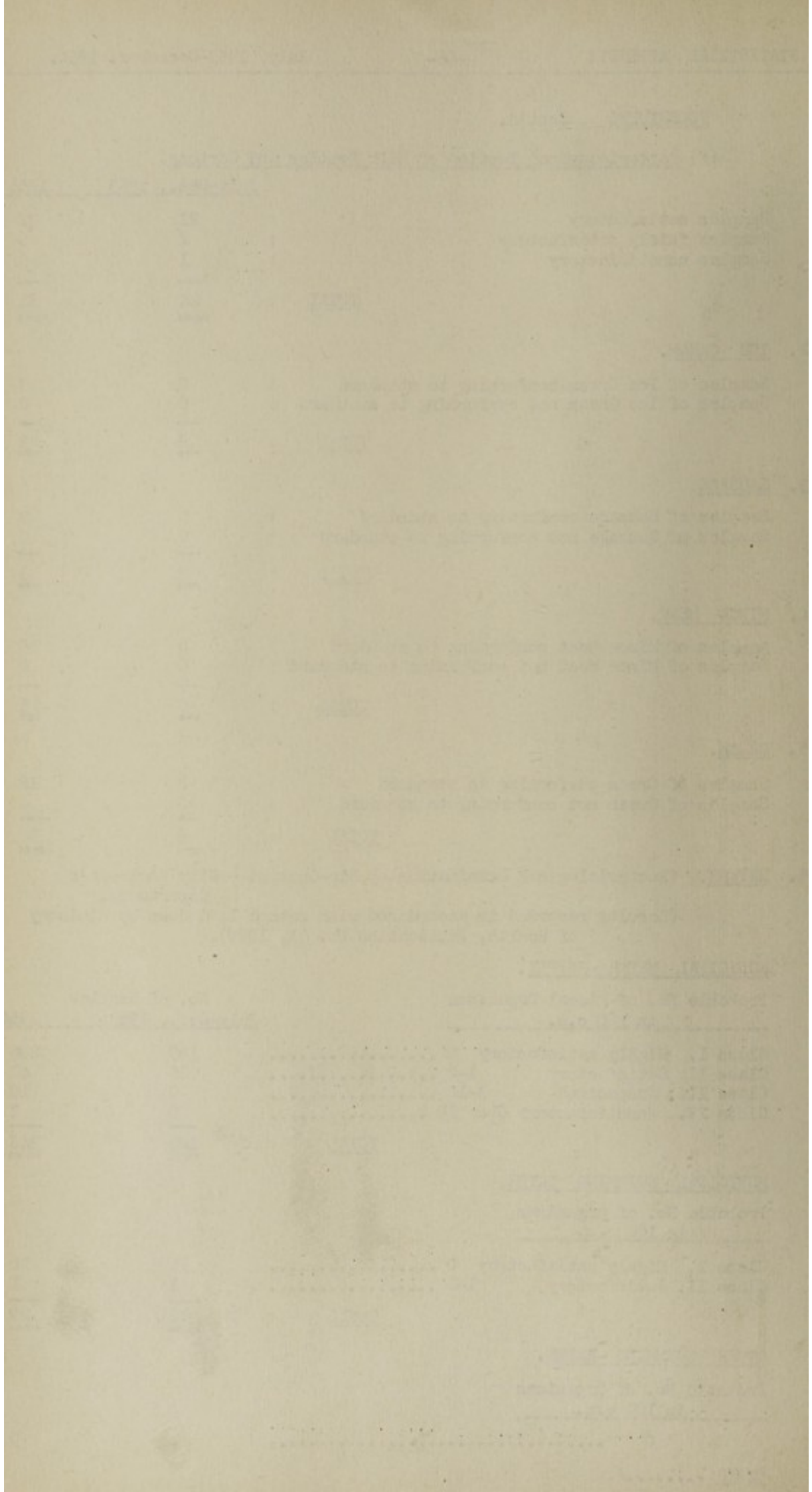
Probable No. of Faecal Organisms in 100 c.c.		<u>No. of Samples July-Dec., 1953</u>	<u>1954</u>
Class I. Highly satisfactory 0		169	286
Class II. Satisfactory 1-2		20	42
Class III. Suspicious 3-10		0	18
Class IV. Unsatisfactory Over 10		0	2
		<u>189</u>	<u>348</u>
<u>TOTAL</u>	:	<u>189</u>	<u>348</u>

MUNICIPAL SWIMMING BATHS.

Probable No. of Organisms in 100 c.c.			
Class I. Highly satisfactory 0		15	26
Class II. Satisfactory 1-2		1	1
		<u>16</u>	<u>27</u>
<u>TOTAL</u>	:	<u>16</u>	<u>27</u>

OTHER SWIMMING BATHS.

Probable No. of Organisms in 100 c.c.			
0		1	0
<u>OTHER</u>			



FOODSTUFFS Cont'd.OTHER SAMPLES TAKEN.

Probable No. of Organisms in 100 c.c.	No. of Samples	
	July-Dec., 1953	1954
Class III. Suspicious 3-10	0	1
Class IV. Unsatisfactory 10+	0	1
<u>TOTAL</u> :	<u>0</u>	<u>2</u>

FOODSTUFFS CONDEMNED AS UNFIT FOR HUMANCONSUMPTION

The following foodstuffs were inspected and condemned in the Municipal Market and in Shops within the Borough:-

	July-Dec., 1953.	1954.
Apples	-	15 boxes
Bananas	8 trays	-
Barley	3 lbs.	20 lbs.
Beverages	-	16 tins.
Beans - Green	3 pockets, 69 boxes	62 pockets, 16 boxes
Beans - Dry	-	9 lbs.
Biscuits	-	56 pkts.
Beetroot	-	1 crate
Bacon, sliced	-	3 tins
Baking Powder	-	1 tin
Confectionery Colouring	-	3 bottles
Curry Powder	1 tin	-
Chutney	4 bottles	8 bottles
Custard Powder	-	3 tins
Cocoanut	-	1 tin
Coffee	1 lb., 3 bottles	1 lb., 1 tin, 2 btls.
Coffee Essence	8 bottles	2 bottles
Chilies	-	10 pockets
Cinnamon	-	1 tin
Cloves	-	1 tin
Cowpeas	-	150 lbs.
Cereals	20 packets	27 packets
Cake Mixture, Flour	1 pkt.	115 lbs.
Cream	1 tin, $\frac{1}{2}$ pint carton	2 tins
Carrots	-	2 crates
Cheese	-	4 pkts.
Cabbages	15 boxes, 100 bags	70 bags
Cucumbers	38 pockets	-
Dates	-	4 lbs.
Egg Noodles	-	2 tins
Eggs	27 $\frac{1}{2}$ dozen	187 $\frac{1}{2}$ dozen
Fowls, live	4	1
Fowls, dressed	-	32
Fish Paste	13 jars	21 jars
Fish, tinned	70 tins	239 tins
Fish (dried)	16 lbs.	-
Fish (fresh)	1,572 lbs.	350 lbs.
Fruit (tinned)	70 tins	939 tins
Fruit (dried)	2 boxes, 6 lbs.	265 lbs.
Fruit (crystallised)	160 lbs.	45 lbs.
Grapes	-	12 half-lugs
Guavas	-	9 trays
Guinea Fowls	1	-
Ham	-	1
Horse Radish	-	1 bottle
Haddock	-	43 $\frac{1}{2}$ lbs.
Hors D'oeuvres	-	2 bottles.
Icing	-	-

EXHIBIT - 1000

THE MUSEUM OF THE

Exhibit No. 1000
Exhibit No. 1000

Class III. Anthropology
Class IV. Archaeology
Class V. Ethnology
Class VI. Linguistics
Class VII. Botany
Class VIII. Zoology
Class IX. Geology
Class X. Mineralogy
Class XI. Chemistry
Class XII. Physics
Class XIII. Mathematics
Class XIV. Medicine
Class XV. Law
Class XVI. History
Class XVII. Literature
Class XVIII. Art
Class XIX. Music
Class XX. Games
Class XXI. Sports
Class XXII. Miscellaneous

EXHIBIT - 1000

THE MUSEUM OF THE

The following exhibits were loaned and returned to the Museum
from the University of Chicago

Exhibit No.	Description	Quantity	Value
1000	Anthropology	1	100.00
1001	Anthropology	1	100.00
1002	Anthropology	1	100.00
1003	Anthropology	1	100.00
1004	Anthropology	1	100.00
1005	Anthropology	1	100.00
1006	Anthropology	1	100.00
1007	Anthropology	1	100.00
1008	Anthropology	1	100.00
1009	Anthropology	1	100.00
1010	Anthropology	1	100.00
1011	Anthropology	1	100.00
1012	Anthropology	1	100.00
1013	Anthropology	1	100.00
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1098	Anthropology	1	100.00
1099	Anthropology	1	100.00
1100	Anthropology	1	100.00

FOODSTUFFS CONDEMNED

Cont'd.

	July-Dec., 1953.	1954.
Icing Sugar	-	4 lbs.
Ice Cream Powder	-	2 pkts.
Infant Foods	2 tins	4 tins
Jam	304 tins	314 tins
Jelly Crystals	-	2 pkts.
Lemon Curd	3 bottles	1 bottle
Lemon Cordials	-	15 bottles
Mayonnaise	-	57 bottles
Madumbies	-	4 bags
Milk (dried)	-	2 tins
Milk (condensed)	18 tins	100 tins
Milk (malted)	1 tin	-
Macaroni	-	1 pkt.
Mixed Spice	-	2 bottles
Mustard	-	1 jar
Maltabella	-	2 pkts.
Meat (tinned)	27 tins	29 jars, 56 tins
Meat (fresh)	62 lbs. sausage	1 leg pork,
		15 lbs. mutton chops
Meat (extract)	1 jar	4 jars
Mushrooms	-	20 tins, 1 tray
Maizena	3 pkts.	4 pkts.
Nuts and Raisins	-	2 pkts.
Nutmeg	-	1 tin, 1 pkt.
Nutrine	2 tins	4 tins
Ovaltine	-	2 tins
Onions	7½ bags	1 pocket
Oats	21 pkts.	63 lbs.
Pawpaws	21 boxes	-
Pears	-	6 boxes
Peaches	2 trays	34 trays
Puddings	-	15
Peas, split	-	3 lbs.
Peaflour	2 tins	12 tins
Pickles	65 bottles	102 bottles
Peanut Butter	17 bottles	23 bottles
Peanuts	-	41 tins, 100 lbs.
Pepper	1 tin	2 tins
Peas	11 bags, 1 pocket	33 pockets
Pit-Pat stuffing	-	1 packet
Plums	-	3 trays
Raisins	-	2 pkts.
Rice, powder	-	2 lbs.
Relish rice, flour, ground	-	44 pkts.
Syrup	3 tins	4 tins
Savouries	-	2 tins
Salt	-	25 pkts.
Sandwich and assorted spreads	2 jars	25 jars
Sauce	-	15 bottles
Sugar	111½ lbs.	36½ lbs.
Squash	-	2 bottles
Soup mix	-	3 tins
Sweets	-	40 lbs.
Soda - Bicarb	-	1 lb.
Tomato spreads, chutney	-	7 bottles
Tomato Sauce	-	2 bottles
Tomato Paste	-	8 jars
Tomatoes	96 boxes	106 boxes
Tea	-	3½ lbs.
Unlabelled Packages	64 tins	167 tins
Vegetables (tinned)	58 tins	214 tins
Vinegar	-	2 bottles
Vermicelli	-	3 pkts.
Watermelons	-	221
Xmas Puddings	-	4
Yeast	6½ pkts.	12 pkts.

List of names		List of names	
1. John	2. Mary	3. Peter	4. Paul
5. David	6. Susan	7. Robert	8. Elizabeth
9. Michael	10. Jennifer	11. Christopher	12. Sarah
13. James	14. Emily	15. Daniel	16. Rachel
17. Andrew	18. Victoria	19. Benjamin	20. Rebecca
21. Matthew	22. Christopher	23. Steven	24. Elizabeth
25. Thomas	26. Victoria	27. William	28. Elizabeth
29. David	30. Victoria	31. William	32. Elizabeth
33. David	34. Victoria	35. William	36. Elizabeth
37. David	38. Victoria	39. William	40. Elizabeth
41. David	42. Victoria	43. William	44. Elizabeth
45. David	46. Victoria	47. William	48. Elizabeth
49. David	50. Victoria	51. William	52. Elizabeth
53. David	54. Victoria	55. William	56. Elizabeth
57. David	58. Victoria	59. William	60. Elizabeth
61. David	62. Victoria	63. William	64. Elizabeth
65. David	66. Victoria	67. William	68. Elizabeth
69. David	70. Victoria	71. William	72. Elizabeth
73. David	74. Victoria	75. William	76. Elizabeth
77. David	78. Victoria	79. William	80. Elizabeth
81. David	82. Victoria	83. William	84. Elizabeth
85. David	86. Victoria	87. William	88. Elizabeth
89. David	90. Victoria	91. William	92. Elizabeth
93. David	94. Victoria	95. William	96. Elizabeth
97. David	98. Victoria	99. William	100. Elizabeth

ABATTOIR

1. <u>ANIMALS SLAUGHTERED:</u>		July-Dec., 1953.	1954.
Cattle	:	5,039	11,578
Calves	:	1,533	2,554
Sheep	:	15,927	33,776
Pigs	:	2,189	3,154
Goats	:	130	81
<u>TOTAL</u>	:	<u>24,818</u>	<u>51,143</u>

2. ANIMALS EXAMINED AFTER SLAUGHTER IN OTHER ABATTOIRS:

		July-Dec., 1953.	1954.
Quarters of Beef	:	7,177	12,096
Carcases Mutton	:	1,383	2,507
Carcases Pork	:	-	-
Carcases Veal	:	-	-
Carcases Goat	:	-	-

3. INCIDENCE OF CERTAIN DISEASES:

		Carcases Examined	% Infected	Carcases Condemned	% Condemned
CATTLE - "Measles" (Cysticercus Bovis)	July-Dec., 1953	5,039	7.5%	49	1.0%
	1954	11,578	9.2%	176	1.5%
CALVES - "Measles" (Cysticercus Bovis)	July-Dec., 1953	1,553	3.6%	13	0.8%
	1954	2,554	3.13%	34	1.3%
PIGS - "Measles" (Cysticercus Cellulosae)	July-Dec., 1953	2,189	1.4%	19	0.9%
	1954	3,154	1.04%	29	0.9%
CATTLE - Tuberculosis	July-Dec., 1953	5,039	0.3%	4	0.08%
	1954	11,578	0.3%	9	0.08%
CALVES - Tuberculosis	July-Dec., 1953	1,553	-	-	-
	1954	2,554	.04%	1	.04%
PIGS - Tuberculosis	July-Dec., 1953	2,189	1.6%	1	0.05%
	1954	3,154	1.6%	5	.2%

4. SUMMARY OF MEAT CONDEMNED:

	Carcases		Approx. Weight	
	July-Dec., 53.	1954	July-Dec., 53.	1954
<u>BEEF:</u>	72	239	35,070 lbs.	118,430 lbs.
BEEF: Portions of Carcases, Organs, etc.	-	-	47,330 lbs.	126,675 lbs.
<u>VEAL:</u>	40	84	1,830 lbs.	3,785 lbs.
VEAL: Portions of Carcases, Organs, etc.	-	-	220 lbs.	550 lbs.
<u>PORK:</u>	33	50	5,850 lbs.	5,205 lbs.
PORK: Organs, etc.	-	-	2,670 lbs.	3,375 lbs.
<u>MUTTON:</u>	36	49	1,150 lbs.	1,360 lbs.
MUTTON: Organs, etc.	-	-	30,766 lbs.	61,165 lbs.
<u>GOAT:</u>	-	-	-	-
GOAT: Organs, etc.	-	-	-	-
			122,886 lbs.	320,545 lbs.

TABLE 1

Year	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960
Population	1,000,000	1,050,000	1,100,000	1,150,000	1,200,000	1,250,000	1,300,000	1,350,000	1,400,000	1,450,000	1,500,000
GDP	100	110	120	130	140	150	160	170	180	190	200
Unemployment	5%	6%	7%	8%	9%	10%	11%	12%	13%	14%	15%
Inflation	2%	3%	4%	5%	6%	7%	8%	9%	10%	11%	12%
Interest Rate	5%	6%	7%	8%	9%	10%	11%	12%	13%	14%	15%
Government Spending	10%	11%	12%	13%	14%	15%	16%	17%	18%	19%	20%
Tax Revenue	8%	9%	10%	11%	12%	13%	14%	15%	16%	17%	18%
Foreign Aid	1%	2%	3%	4%	5%	6%	7%	8%	9%	10%	11%
Trade Balance	0	1	2	3	4	5	6	7	8	9	10
Balance of Payments	0	1	2	3	4	5	6	7	8	9	10

TABLE 2

Year	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960
Population	1,000,000	1,050,000	1,100,000	1,150,000	1,200,000	1,250,000	1,300,000	1,350,000	1,400,000	1,450,000	1,500,000
GDP	100	110	120	130	140	150	160	170	180	190	200
Unemployment	5%	6%	7%	8%	9%	10%	11%	12%	13%	14%	15%
Inflation	2%	3%	4%	5%	6%	7%	8%	9%	10%	11%	12%
Interest Rate	5%	6%	7%	8%	9%	10%	11%	12%	13%	14%	15%
Government Spending	10%	11%	12%	13%	14%	15%	16%	17%	18%	19%	20%
Tax Revenue	8%	9%	10%	11%	12%	13%	14%	15%	16%	17%	18%
Foreign Aid	1%	2%	3%	4%	5%	6%	7%	8%	9%	10%	11%
Trade Balance	0	1	2	3	4	5	6	7	8	9	10
Balance of Payments	0	1	2	3	4	5	6	7	8	9	10

TABLE 3

Year	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960
Population	1,000,000	1,050,000	1,100,000	1,150,000	1,200,000	1,250,000	1,300,000	1,350,000	1,400,000	1,450,000	1,500,000
GDP	100	110	120	130	140	150	160	170	180	190	200
Unemployment	5%	6%	7%	8%	9%	10%	11%	12%	13%	14%	15%
Inflation	2%	3%	4%	5%	6%	7%	8%	9%	10%	11%	12%
Interest Rate	5%	6%	7%	8%	9%	10%	11%	12%	13%	14%	15%
Government Spending	10%	11%	12%	13%	14%	15%	16%	17%	18%	19%	20%
Tax Revenue	8%	9%	10%	11%	12%	13%	14%	15%	16%	17%	18%
Foreign Aid	1%	2%	3%	4%	5%	6%	7%	8%	9%	10%	11%
Trade Balance	0	1	2	3	4	5	6	7	8	9	10
Balance of Payments	0	1	2	3	4	5	6	7	8	9	10

ABATTOIR Cont'd.

MEAT CONDEMNED (Approximate Weight)

Statement of Carcasses and Meat found to be affected with disease

and unfit for human consumption : 1.1.54. - 31.12.54.

	BOVINES			PIGS			SHEEP AND GOATS		
	Carcasses Infected	Condemned		Carcasses Infected	Condemned		Carcasses Infected	Condemned	
		Whole Carcasses	Portions of Carcasses Approx. Weight lbs.		Whole Carcasses	Portions of Carcasses Approx. Weight lbs.		Whole Carcasses	Portions of Carcasses Approx. Weight lbs.
Actinomycosis	19	-	765	-	-	-	-	-	-
Anthrax	-	-	-	-	-	-	-	-	-
Measles (Veal)	80	34	200	-	-	-	-	-	-
Measles (Beef)	1067	176	88,700	33	29	35	-	-	-
Lymphadenitis	-	-	-	-	-	-	11	11	-
Malignant Tumours	6	6	-	-	-	-	1	1	-
Mammitis	-	-	-	-	-	-	-	-	-
Metritis	-	-	-	-	-	-	1	1	-
Peritonitis	7	7	-	-	-	-	-	-	-
Pneumonia - Veal	4	4	-	-	-	-	-	-	-
Pneumonia - Beef	1	1	-	-	-	-	2	2	-
Pyæmia - Veal	9	9	-	-	-	-	-	-	-
Pyæmia - Beef	3	3	-	-	-	-	1	1	-
Sarcocysts	3	3	-	4	4	-	-	-	-
Septicaemia	2	2	-	-	-	-	-	-	-
Tuberculosis - Veal	1	1	-	-	-	-	-	-	-
Tuberculosis	38	9	945	51	5	590	-	-	-
Nephritis	-	-	-	-	-	-	-	-	-
Stephanurus Dentata	-	-	-	-	-	-	-	-	-
Anaemia	-	-	-	-	-	-	-	-	-
Bruising - Veal	-	-	-	-	-	-	-	-	-
Bruising	6	6	3,645	7	7	-	3	3	-
Decomposition	-	-	-	-	-	-	-	-	60
Oedema	-	-	-	-	-	-	-	-	-
Onchocerca	-	-	-	-	-	-	-	-	-
Fevered - Veal	2	2	-	-	-	-	-	-	-
Fevered - Beef	-	-	-	2	2	-	4	4	-
Toxaemia - Veal	1	1	-	-	-	-	-	-	-
Toxaemia - Beef	2	2	-	-	-	-	-	-	-
Emaciation - Veal	16	16	-	-	-	-	-	-	-
Emaciation - Beef	23	23	-	3	3	-	21	21	-
Immaturity - Veal	6	6	-	-	-	-	-	-	-
Jaundice - Veal	11	11	-	-	-	-	-	-	-
Jaundice	-	-	-	-	-	-	5	5	-
Stilesia Hepatica,)	-	-	-	-	-	-	-	-	-
Fluke, Abscesses,)	-	-	-	-	-	-	-	-	-
Nodular Worms, etc.)	-	-	-	-	-	-	-	-	-
- Beef	-	-	31,790	-	-	2,750	-	-	61,105
- Veal	-	-	350	-	-	-	-	-	-
Septic Pericarditis	1	1	-	-	-	-	-	-	-
Unstamped	-	-	830	-	-	-	-	-	-

ABATTOIR Cont'd.MEAT CONDEMNED (Approximate Weight)

Statement of Carcasses and Meat found to be affected with disease

and unfit for human consumption : 1.7.53. - 31.12.53.

	BOVINES			PIGS			SHEEP AND GOATS		
	Carcasses Infected	Condemned		Carcasses Infected	Condemned		Carcasses Infected	Condemned	
		Whole Carcasses	Portions of Carcasses Approx. Weight lbs.		Whole Carcasses	Portions of Carcasses Approx. Weight lbs.		Whole Carcasses	Portions of Carcasses Approx. Weight lbs.
Actinomycosis	24	-	960	-	-	-	-	-	-
Anthrax	-	-	-	-	-	-	-	-	-
Measles (Veal)	56	13	120	-	-	-	-	-	-
Measles (Beef)	377	49	32,800	30	19	40	-	-	-
Lumpy Skin Disease (Beef)	-	-	-	-	-	-	-	-	-
Lumpy Skin Disease (Veal)	-	-	-	-	-	-	-	-	-
Lymphadenitis	-	-	-	-	-	-	10	10	-
Malignant Tumours	4	4	-	-	-	-	-	-	-
Mammitis	1	1	-	-	-	-	-	-	-
Metritis	-	-	-	-	-	-	-	-	-
Peritonitis	3	3	-	-	-	-	1	1	-
Pneumonia - Veal	-	-	-	-	-	-	-	-	-
Pneumonia - Beef	1	1	-	2	2	-	3	3	-
Pyæmia - Veal	6	6	-	-	-	-	-	-	-
Pyæmia	-	-	-	1	1	-	1	1	-
Sarcocysts	1	1	-	2	2	-	-	-	-
Septicaemia	1	1	-	-	-	-	-	-	-
Septicaemia - Veal	-	-	-	-	-	-	-	-	-
Tuberculosis	13	4	340	35	1	430	-	-	-
Nephritis	-	-	-	1	1	-	1	1	-
Stepharamus Dentata	-	-	-	-	-	-	-	-	-
Anaemia - Veal	1	1	-	-	-	-	-	-	-
Bruising - Veal	-	-	-	-	-	-	-	-	-
Bruising	4	4	990	3	3	-	-	-	-
Decomposition	-	-	410	-	-	-	-	-	-
Fevered	-	-	-	2	2	-	10	10	-
Eczema	-	-	-	1	1	-	-	-	-
Emaciation - Veal	6	6	-	-	-	-	-	-	-
Emaciation - Beef	5	5	-	1	1	-	10	10	-
Immaturity - Veal	7	7	-	-	-	-	-	-	-
Jaundice - Veal	6	6	-	-	-	-	-	-	-
Jaundice - Beef	-	-	-	-	-	-	-	-	-
Stilesia Hepatica,)	-	-	-	-	-	-	-	-	-
Fluke, Abscesses,)	-	-	-	-	-	-	-	-	-
Modular Worms, etc.)	-	-	-	-	-	-	-	-	-
- Beef	-	-	11,830	-	-	2,200	-	-	30,766
- Veal	-	-	100	-	-	-	-	-	-

LICENCE APPLICATIONS

(1) Applications dealt with under Licences (Control) and Municipal Licences Ord. No. 19 of 1942 and the

Borough By-Laws

January 1st - December 31st, 1954.

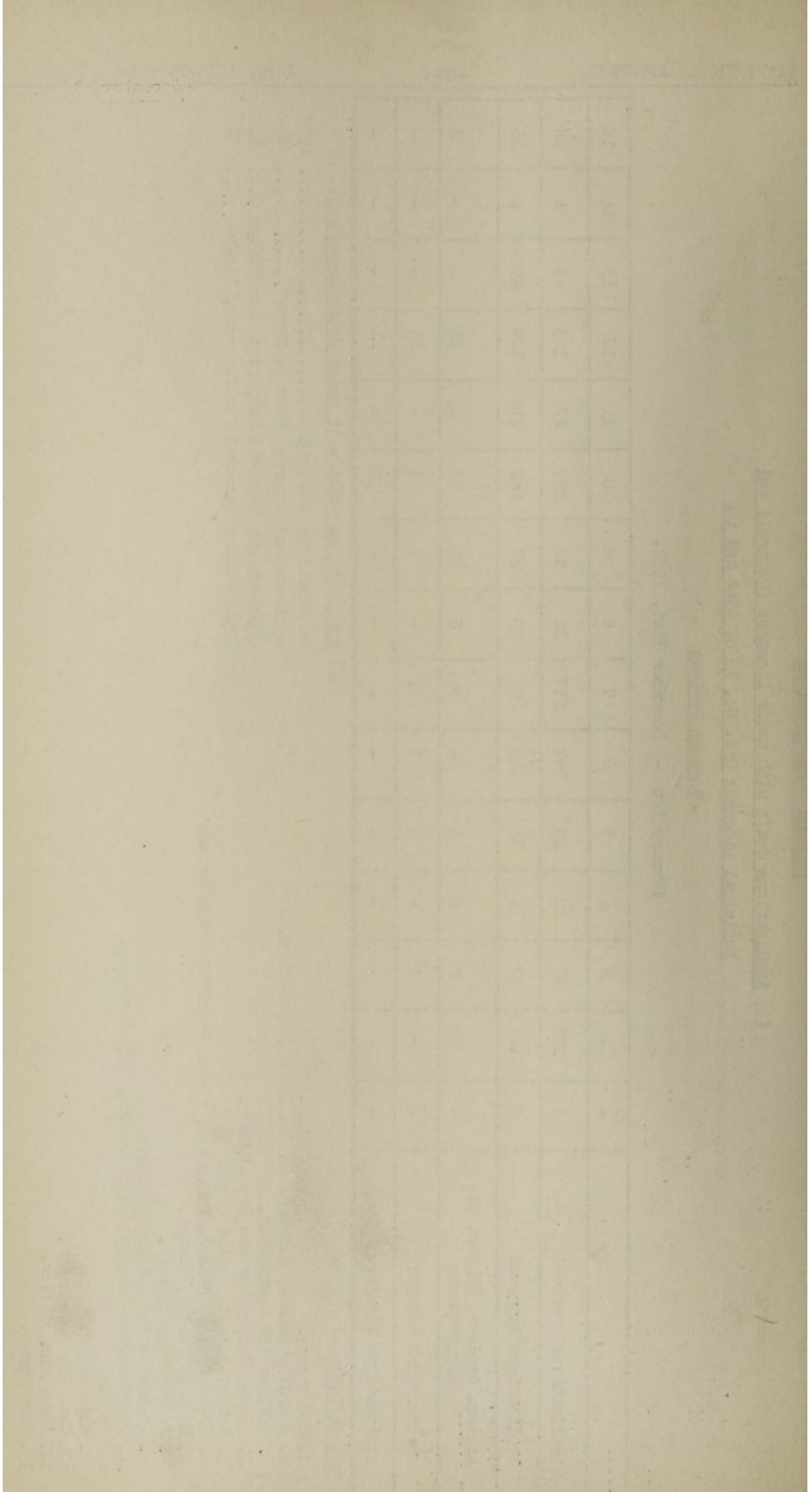
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Applications Received	5	178	52	20	20	177	257	24	30	299	279	123	25	4	18
Applications Approved	5	147	50	14	14	149	201	19	29	244	215	109	24	4	16
Appls. Approved Subject to Requirements	-	31	2	6	6	28	56	5	11	55	64	24	1	-	2
Applications Refused	-	-	1	-	-	1	1	-	1	1	-	3	-	-	-
Applications Withdrawn	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-

Key to Table:-

1. Apothecary.
2. Boarding Houses, Butchers and Building Contractors.
3. Cobbler and Contractor.
4. Depot, Dressmaker and Dry Cleaner.
5. Entertainment, Eating House.
6. Fresh Produce Dealer, Fumigator, Flats, Furniture Manufacturer.
7. General Dealer, Garage.
8. Hairdresser, Hawker.
9. Laundries and Letting of Flats.
10. Manufacturer, Mineral Water Dealer, Milk Purveyor.
11. Pedlar.
12. Refreshment Room.
13. Sawmill, Speculator.
14. Tea Rooms, Tailor.
15. Warehouses.

(2) Applications dealt with under Urban Areas Act.

Applications Received 105
 Applications Returned "Not in Order" 20
 Applications Approved Subject to Conditions 14
 Applications Approved for Temporary Licence 71

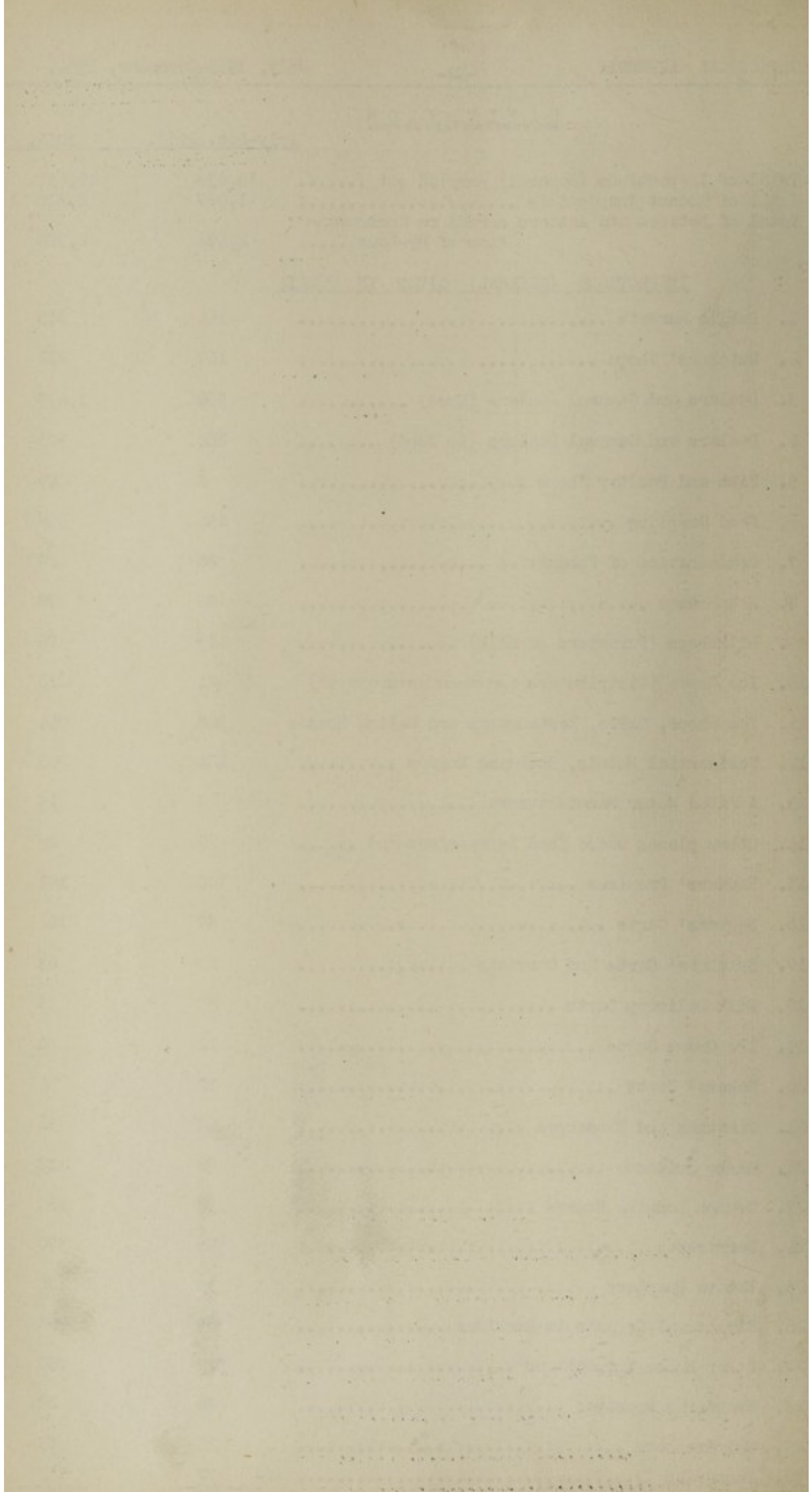


SANITATIONJuly-Dec., 1953.1954.

Total of Inspections (General) carried out	10,633	19,431
Total of Rodent Inspections	1,087	2,228
Total of Notices and letters served re Contraven- tion of By-Laws	2,492	2,388

INSPECTIONS (GENERAL) GIVEN IN DETAIL

1. Public Markets	164	345
2. Butchers' Shops	167	282
3. Dealers and General Dealers (Food)	566	1,095
4. Dealers and General Dealers (No Food)	262	303
5. Fish and Poultry Shops	8	49
6. Food Sampling	154	368
7. Condemnation of Foodstuffs	26	27
8. Bakehouses	50	78
9. Milkshops (Purveyors of Milk)	113	84
10. Ice Cream (Distributors and Manufacturers of)	21	10
11. Tea Shops, Cafes, Restaurants and Eating Houses	328	744
12. Residential Hotels, Boarding Houses	124	355
13. Aerated Water Manufacturers	8	15
14. Other places where food is manufactured	9	29
15. Hawkers' Premises	108	191
16. Hawkers' Carts	87	162
17. Butchers' Carts and Carriers	27	63
18. Milk Delivery Carts	57	35
19. Ice Cream Carts	12	8
20. Bakers' Carts	12	4
21. Theatres and Bioscopes	28	36
22. Smoke Nuisance	72	148
23. Common Lodging Houses	39	160
24. Barracks	595	370
25. Native Quarters	33	274
26. Structural Defects in Premises	395	768
27. Other House Inspections	519	838
28. Undrained Premises	96	28
29. Hairdressers	26	53
30. Laundries	72	138
C/Forward	4,178	7,060

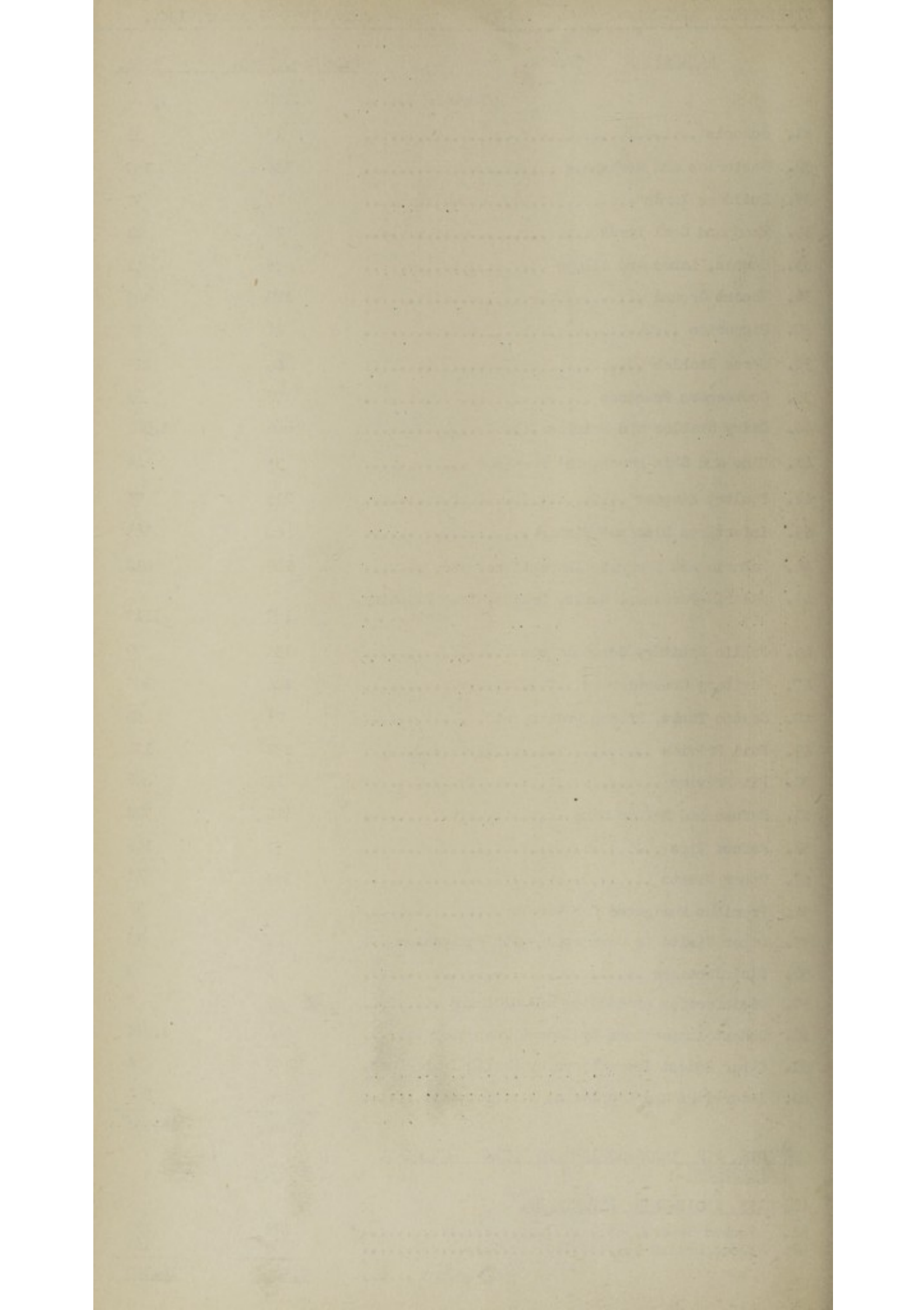


<u>SANITATION</u>	Cont'd.	<u>July-Dec., 1953.</u>	<u>1954.</u>
	B/Forward	4,178	7,060
31. Schools		13	31
32. Factories and Workshops		135	157
33. Builders Yards		27	77
34. Wood and Coal Yards		26	22
35. Courts, Lanes and Alleys		35	41
36. Vacant Ground		189	303
37. Piggeries		24	12
38. Horse Stables		44	117
39. Cowkeepers Premises		78	61
40. Dairy Stables and Dairies		648	1,061
41. Hide and Skin Merchants' Premises		35	46
42. Poultry Keepers		215	95
43. Infectious Diseases Visits		46	345
44. Malaria and Mosquito Inspections, etc.		209	618
45. Malaria-Permanent Works, Drains, Tree Planting, etc....		187	1,117
46. Public Sanitary Conveniences		154	70
47. Sanitary Conveniences		224	305
48. Septic Tanks, French Drains, etc.		21	52
49. Pail Privies		132	131
50. Pit Privies		11	26
51. Refuse and Refuse Bins		420	720
52. Refuse Tips		52	146
53. Other Visits		363	541
54. Premises Fumigated for Vermin		55	16
55. Other Visits in Connection with Fumigation ...		46	13
56. Disinfections		6	3
57. Disinfection of Bedding and Clothing		49	2
58. Rodent Inspections by Rodent Inspector		984	1,964
59. Other Rodent Inspections by Health Inspectors.		103	264
60. Interviews and Complaints		180	380
		<u>8,889</u>	<u>15,796</u>

REPORTS FOR TRANSMISSION TO OTHER MUNICIPAL DEPARTMENTS.

(1) CITY ENGINEER'S DEPARTMENT.

61. Blocked Sewers, etc.	129	133
62. Street Drains	86	161
	<u>9,104</u>	<u>16,090</u>
C/Forward		



<u>SANITATION</u> Cont'd.		<u>July-Dec., 1953.</u>	<u>1954.</u>
	B/Forward	9,104	16,090
63.	Defective Water Fittings	39	152
64.	Defective Surface and Waste Water Drains	26	172
65.	Other Defects	19	48
66.	Unauthorised Structures	83	179
67.	Sites, etc. re Plans	540	936
68.	Water Sampling	120	303
(2) <u>MUNICIPAL NATIVE ADMINISTRATION DEPARTMENT.</u>			
69.	Licensing and Other Inspections of Premises under Urban Areas Act	72	163
(3) <u>LICENSING DEPARTMENT.</u>			
70.	Inspection of Premises re Licence Applications	563	1,211
(4) <u>GENERAL.</u>			
71.	Other transportation trips	67	177
<u>TOTAL :</u>		<u>10,633</u>	<u>19,431</u>

CHAPTER 10

10.1. Introduction to the chapter. This chapter discusses the various aspects of the subject matter, including the historical background, the current state of research, and the future prospects. The chapter is organized into several sections, each dealing with a specific aspect of the topic.

10.2. Theoretical framework. This section provides a theoretical framework for the study, drawing on existing research and theory. It discusses the key concepts and models that will be used to analyze the data.

10.3. Methodology. This section describes the research methodology used in the study, including the data collection methods, the sample size, and the statistical analysis techniques.

10.4. Results. This section presents the results of the study, including the descriptive statistics, the inferential statistics, and the conclusions drawn from the data.

10.5. Discussion. This section discusses the implications of the findings, the limitations of the study, and the directions for future research.

10.6. Conclusion. This section summarizes the main findings of the study and provides a final conclusion.

10.7. References. This section lists the references used in the study, including books, articles, and other sources.

10.8. Appendix. This section contains the appendix, which includes the raw data, the statistical tables, and other supplementary material.

10.9. Index. This section contains the index, which provides a quick reference to the various topics covered in the book.

PROSECUTIONS : 1.7.53 - 31.12.54.

	<u>July-Dec., 1953.</u>	<u>1954.</u>
Total number of Prosecutions instituted :	12	25
Under Public Health By-Laws (either separately or in conjunction with contraventions of House Drainage; Building; Sanitary; Preparation, Storage & Sale of Foodstuffs By-Laws and Government Rodent-Proofing Regulations)	3	16
Under Dairy By-Laws	8	6
Under Regulations relating to Preparation, Storage and Sale of Foodstuffs	1	1
Under Sanitary By-Laws	0	2
TOTALS :	<u>12</u>	<u>25</u>
Total number in which accused found guilty and penalty imposed	7	22
Total number found not guilty, complied with, acquitted or withdrawn	5	3
No. still pending	0	0
TOTALS :	<u>12</u>	<u>25</u>

CONDEMNED PREMISESRooms and Buildings Condemned and/or Demolished.

	<u>July-Dec., 1953.</u>	<u>1954.</u>
(a) Under Public Health By-Law No. 19(a): (Closing Order)	0	0
(b) Under Public Health By-Law No. 19(b): (Demolition Orders)	10	13
(9 of these premises had been demolished and 1 converted to store-room).		(5 demolished, 7 converted stores. 1 pending).
(c) Under Slums Act	0	0
(d) Voluntary Demolitions	19	12
TOTALS :	<u>29</u>	<u>25</u>

