

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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CITY OF PIETERMARITZBURG

REPORT
OF THE
MEDICAL OFFICER
OF HEALTH

For the year ended
31st December, 1956

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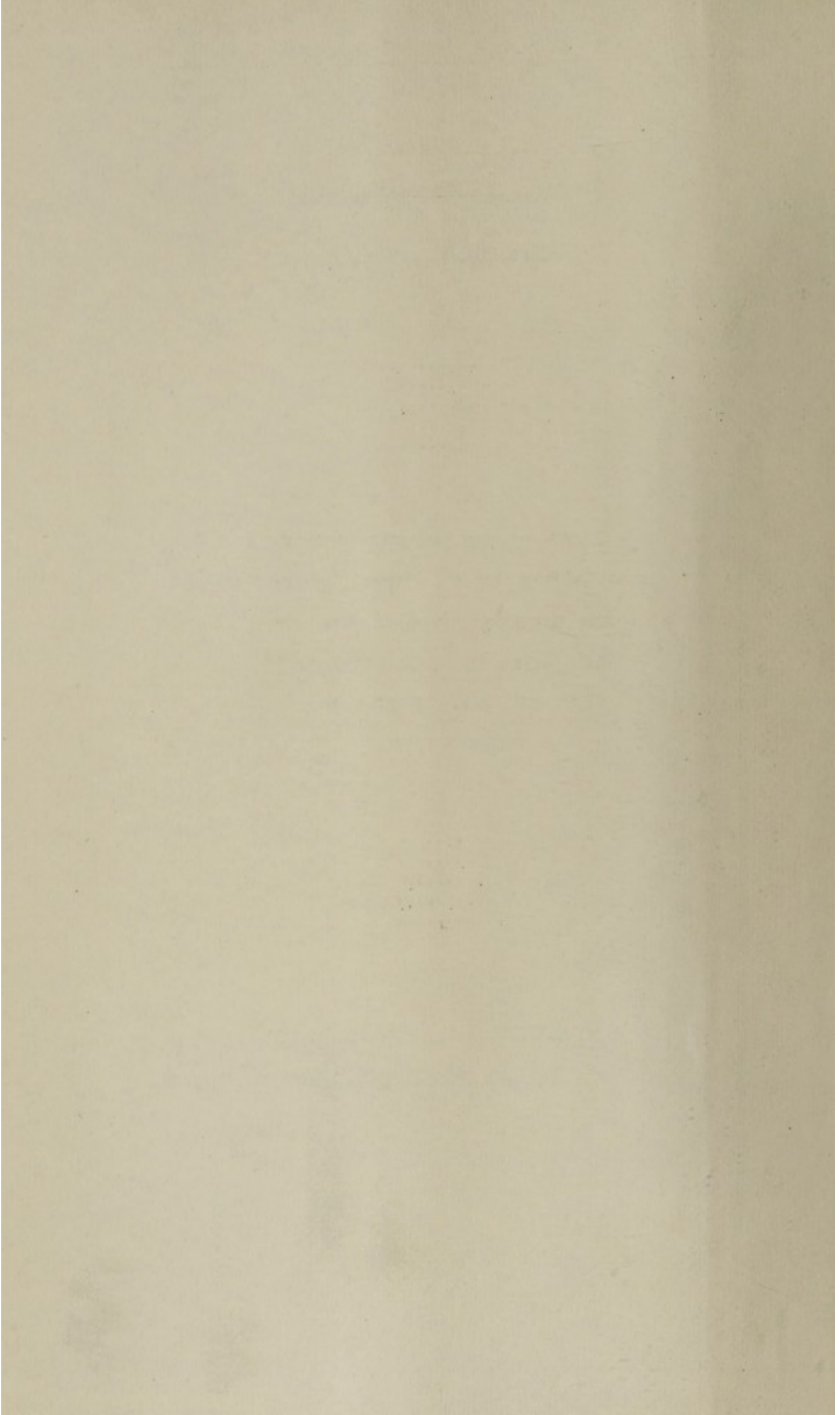


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PUBLIC HEALTH DEPARTMENT

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

MEDICAL OFFICER OF HEALTH



INTRODUCTORYCITY OF PIETERMARITZBURGPUBLIC 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 calendar year 1956.

There was an increase over last year's figures in the incidence of Infectious Disease, due chiefly to an increase in Anterior Poliomyelitis. This outbreak also interfered seriously with the Diphtheria immunisation programme.

While there has been a decrease in the number of houses built, there has been a jump in the total of flats constructed, especially for Asiatics.

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, despite the serious shortage in personnel experienced this 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.

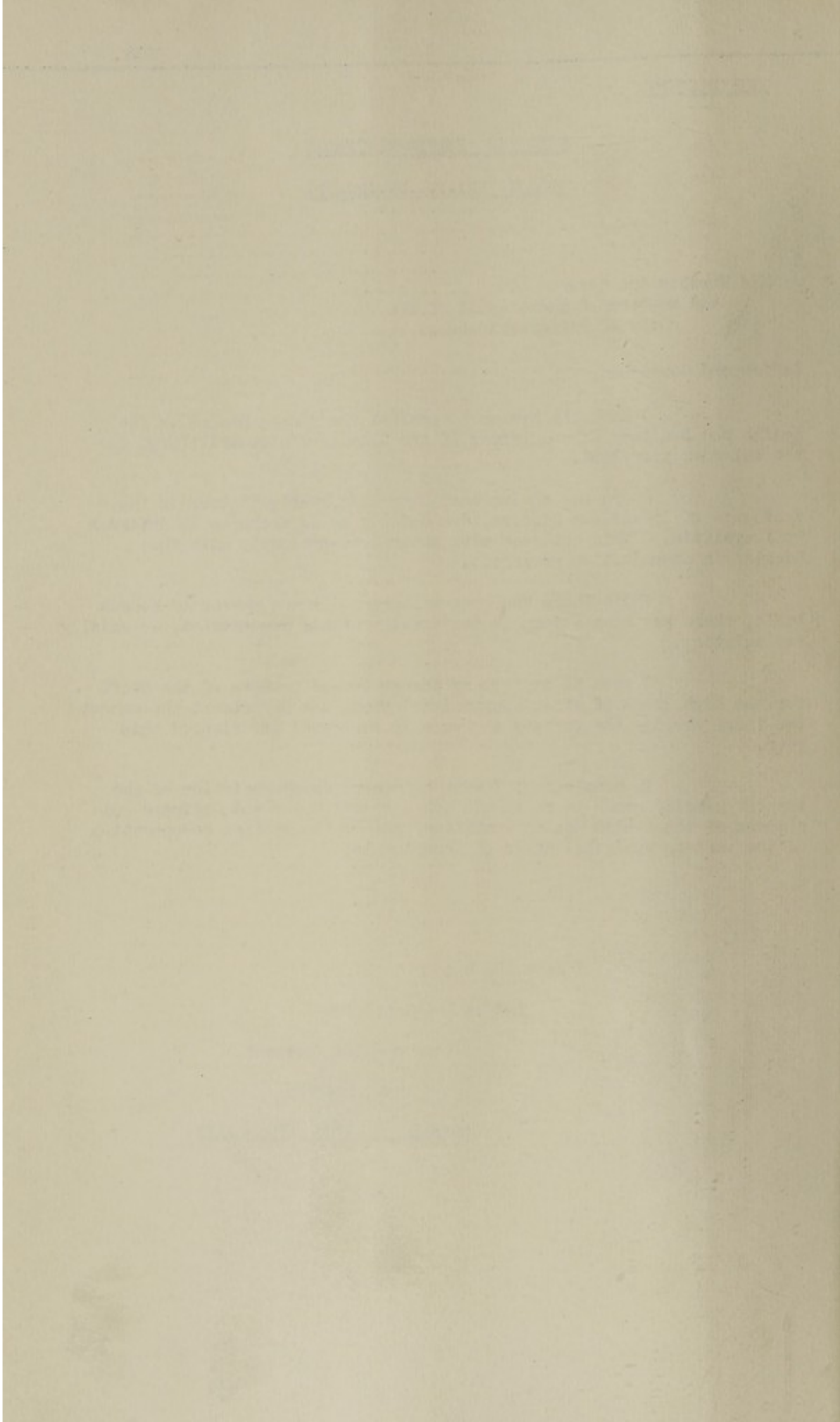
I have the honour to be,

Ladies and Gentlemen,

Your obedient servant,

M. Maister

MEDICAL OFFICER OF HEALTH.

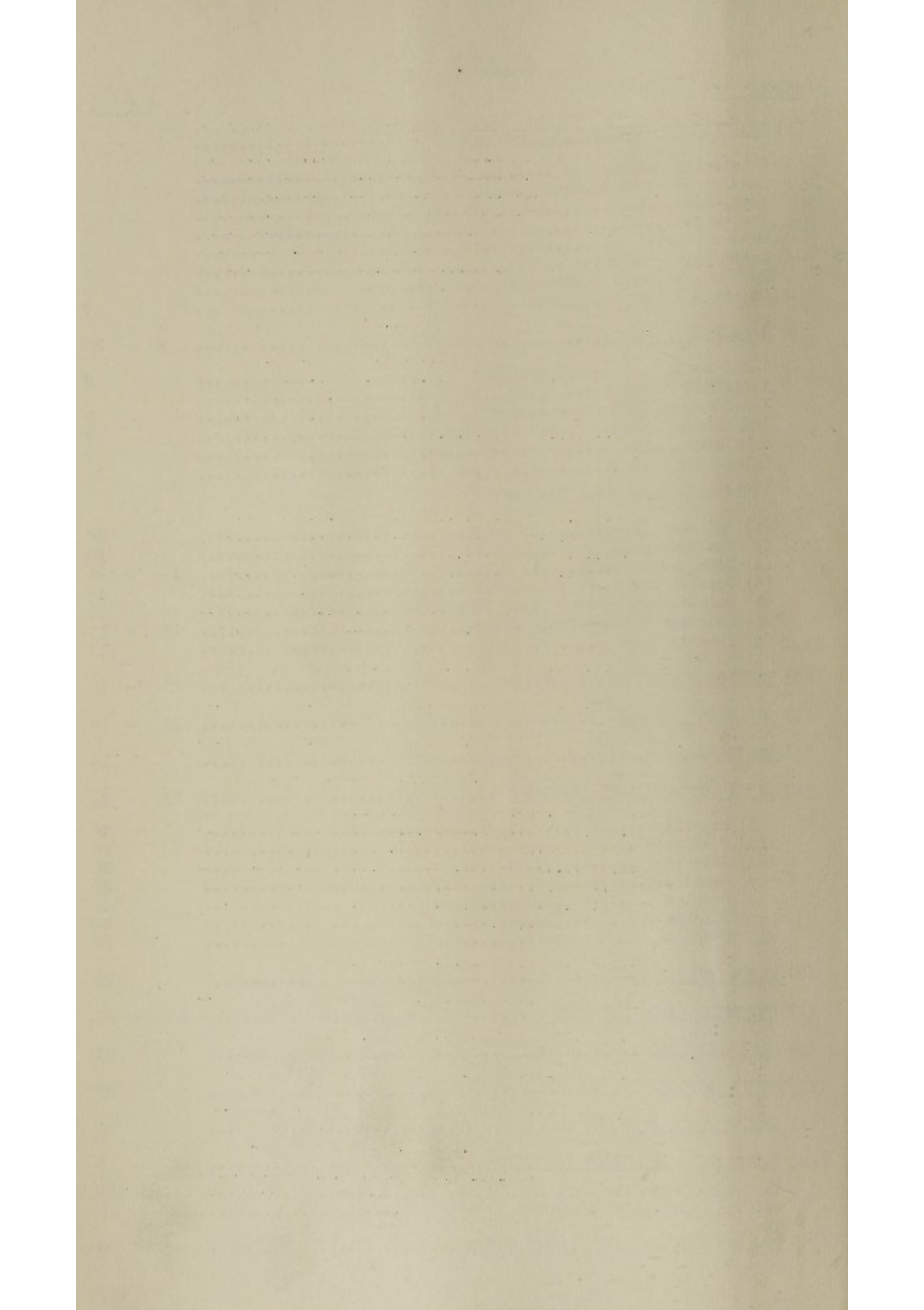


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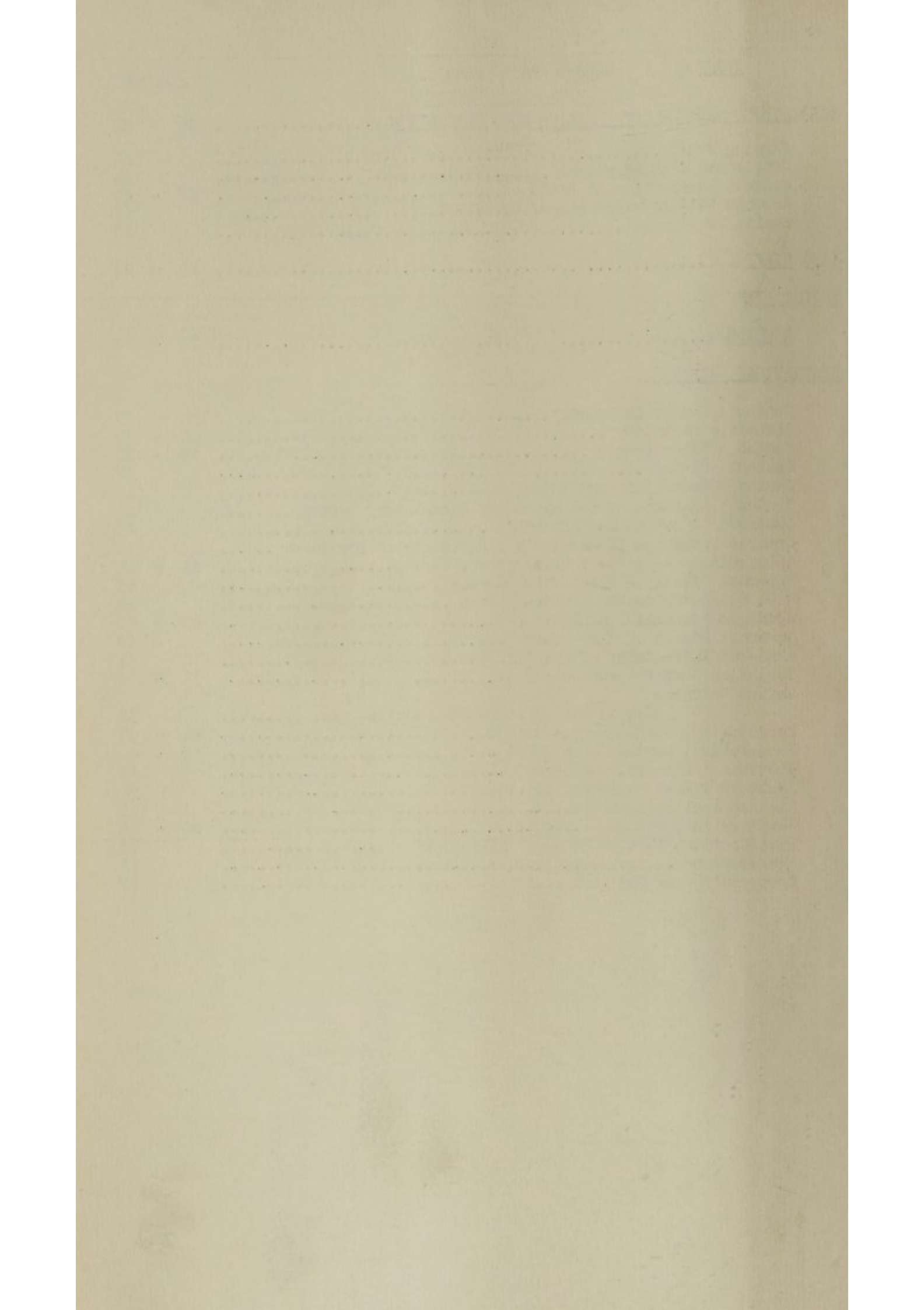
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* * * * *



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.

TEMPERATURE AND RAINFALL:

	<u>RAINFALL</u> <u>IN</u> <u>INCHES</u>	<u>ATMOSPHERIC TEMPERATURE</u>			<u>RELATIVE HUMIDITY</u> <u>Average Daily</u>
		<u>Av. Daily</u> <u>Maximum</u> °	<u>Av. Daily</u> <u>Minimum</u> °	<u>Av. Daily</u> <u>Mean.</u> °	
January	0.57	86.2	62.0	74.1	68.2%
February	6.98	81.6	63.5	72.5	80.7%
March	6.08	81.0	62.3	71.6	80.8%
April	2.05	77.5	54.7	66.1	80.0%
May	1.84	72.7	47.9	60.3	82.9%
June	0.47	70.3	40.0	55.1	83.8%
July	0.03	74.5	40.4	57.4	79.9%
August	0.66	73.0	45.9	59.4	75.1%
September	1.31	73.9	47.3	60.6	66.8%
October	2.93	76.9	54.8	65.8	73.0%
November	6.44	75.3	57.7	66.5	79.4%
December	7.89	72.3	58.1	65.2	79.1%
Total	37.21				

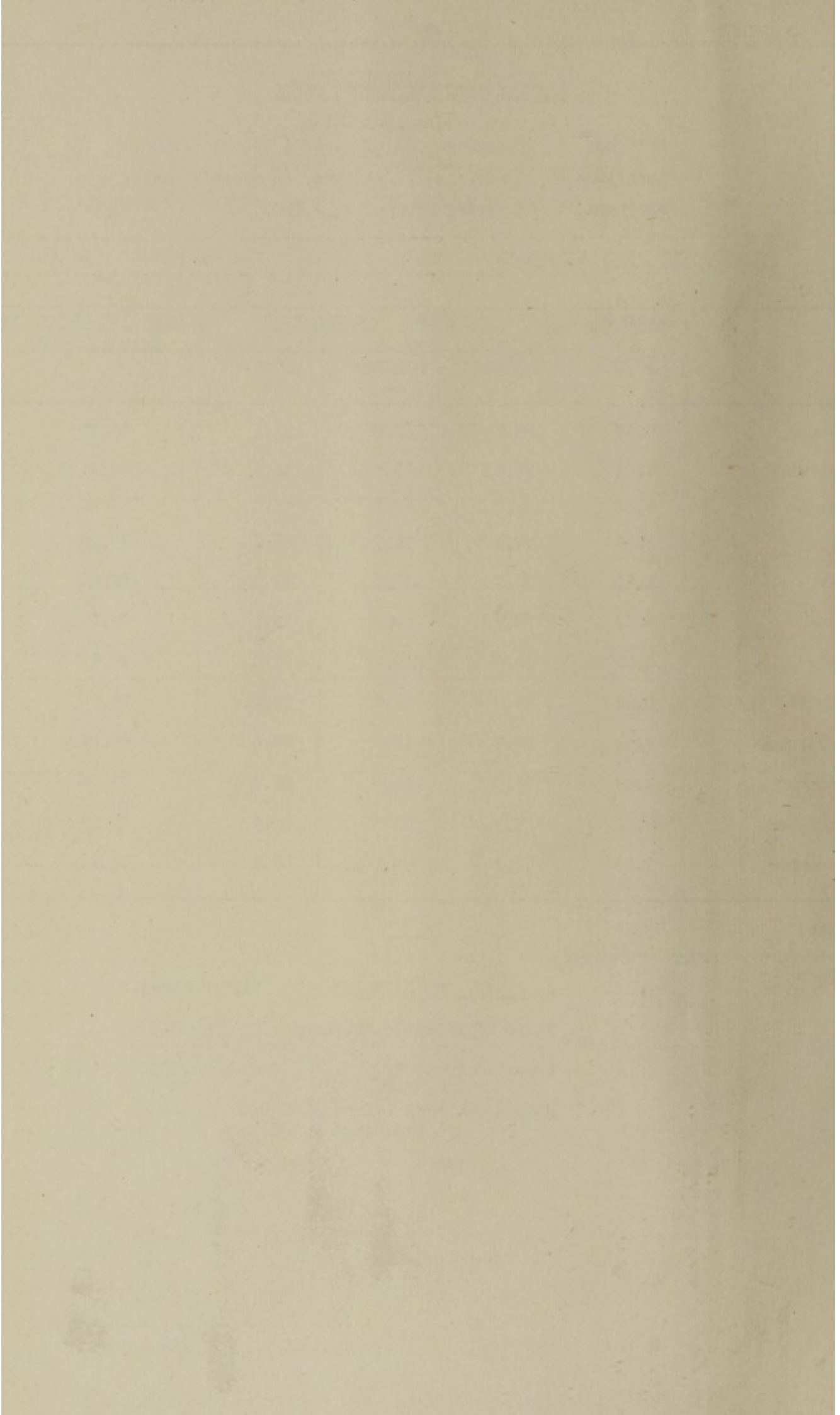
AREA OF MUNICIPALITY : 31,948 acres.

Value of Rateable Property : £28,326,550

Exempted Property : £10,606,700

RATES: General - Land - 7d in £
Buildings - 1 $\frac{3}{4}$ d in £

Water - $\frac{1}{2}$ d per £



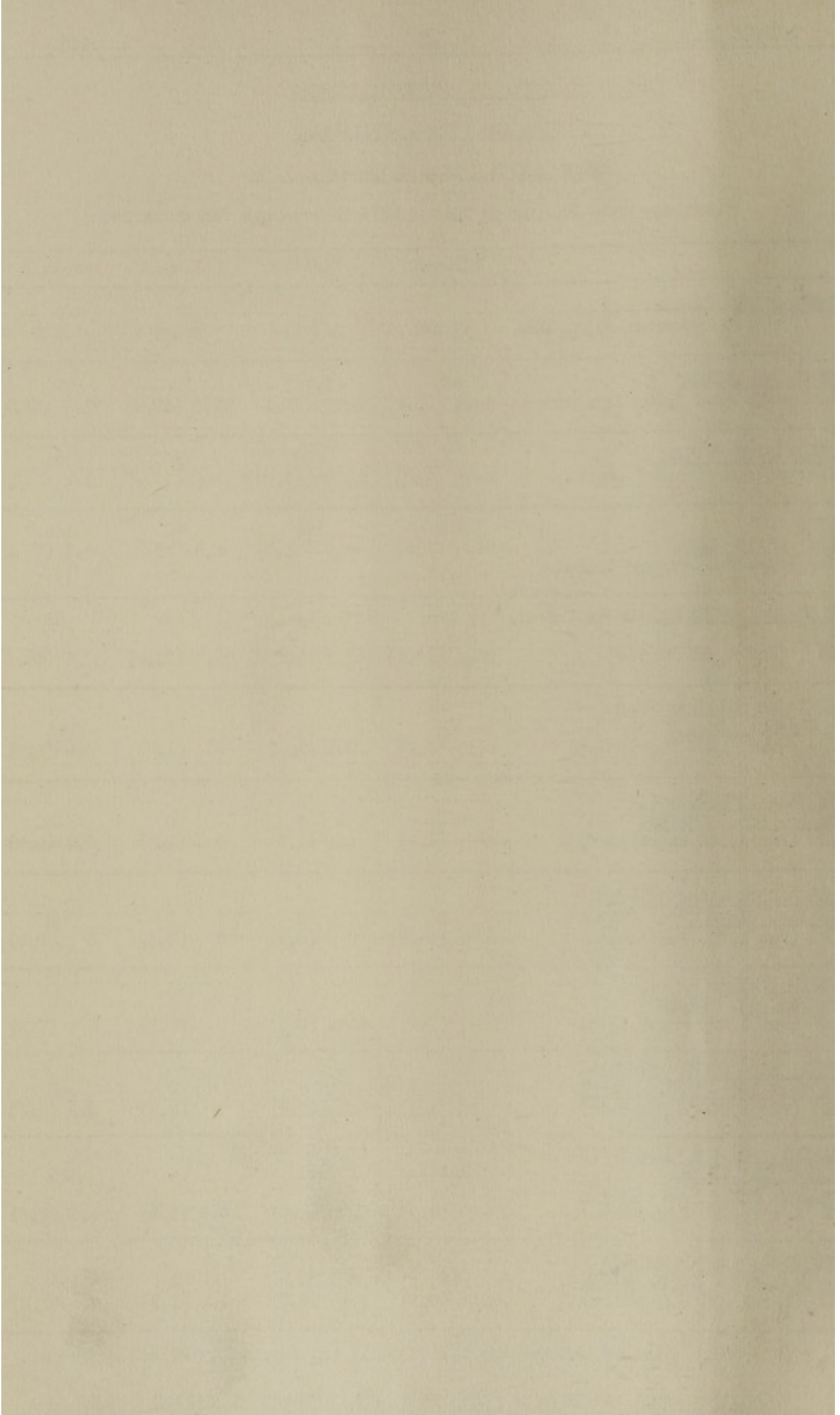
CITY OF PIETERMARITZBURGLEADING VITAL STATISTICSYEAR ENDING 31st DECEMBER. 1956.

(Average Rate for period 1946 - 1955 in brackets for comparison).

	European	Native	Coloured	Asiatic
* <u>POPULATION</u> (Estimated) at December 31st, 1956	35,880	26,243	4,455	25,100
<u>BIRTHS REGISTERED</u> BIRTH RATE (Per 1,000 Population)	685 19.1 (23.2)	1,101 42.0 (21.4)	170 38.2 (48.2)	790 31.5 (51.1)
<u>ILLEGITIMATE BIRTHS</u> (Percentage of total births)	6 0.9% (1.0%)	488 44.3% (47.0%)	30 17.6% (21.8%)	21 2.7% (1.1%)
<u>DEATHS</u> <u>CRUDE DEATH RATE</u> (Corrected for outward transfer)	308 8.6 (9.6)	176 6.7 (11.3)	20 4.5 (13.2)	145 5.8 (10.2)
<u>INFANTILE MORTALITY</u> (Up to 1 Year) <u>DEATHS</u> RATE (Per 1,000 Births)	18 26.3 (23.4)	68 61.8 (190.2)	6 35.3 (74.2)	32 40.5 (46.0)
<u>DEATHS in children from</u> <u>1 - 4 years (incl.)</u> RATE (Per 1,000 Population)	4 0.11 (0.2)	29 1.1 (1.6)	0 0 (1.2)	14 0.6 (1.0)
<u>PULMONARY TUBERCULOSIS</u> Code No. 015. <u>DEATHS</u> RATE (Per 1,000 Population)	0 0 (0.2)	3 0.1 (1.3)	0 0 (1.3)	4 0.2 (0.9)
<u>TUBERCULOSIS - OTHER FORMS</u> Code Nos. 016 - 025. <u>DEATHS</u> RATE (Per 1,000 Population)	1 0.03 (0.02)	0 0 (0.3)	0 0 (0.3)	0 0 (0.2)
<u>ENTERIC FEVER</u> Code No. 001. <u>DEATHS</u> RATE (Per 1,000 Population)	0 0 (0.02)	1 0.04 (0.1)	0 0 (0.1)	0 0 (0.1)
<u>CANCER AND OTHER TUMOURS</u> Code Nos. 100 - 136. <u>DEATHS</u> RATE (Per 1,000 Population)	35 1.0 (1.3)	5 0.2 (0.2)	0 0 (0.8)	8 0.3 (0.4)
<u>DISEASES OF THE HEART AND</u> <u>CIRCULATORY SYSTEM</u> Code Nos. 350 - 368. <u>DEATHS</u> RATE (Per 1,000 Population)	136 3.8 (3.7)	19 0.7 (1.2)	4 0.9 (2.6)	45 1.8 (1.8)
<u>BRONCHITIS AND PNEUMONIA</u> Code Nos. 402 - 406. <u>DEATHS</u> RATE (Per 1,000 Population)	16 0.4 (0.5)	28 1.1 (1.7)	2 0.4 (1.3)	16 0.6 (1.2)

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

BIRTHS AND DEATHS ARE CORRECTED FOR OUTWARD TRANSFERS ONLY.



(1) VITAL STATISTICS:POPULATION:

This is an estimate of the population as at December 31st, 1956, calculated for Vital Statistical purposes. Temporary Visitors, the inmates of the Mental Hospital and Fort 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.

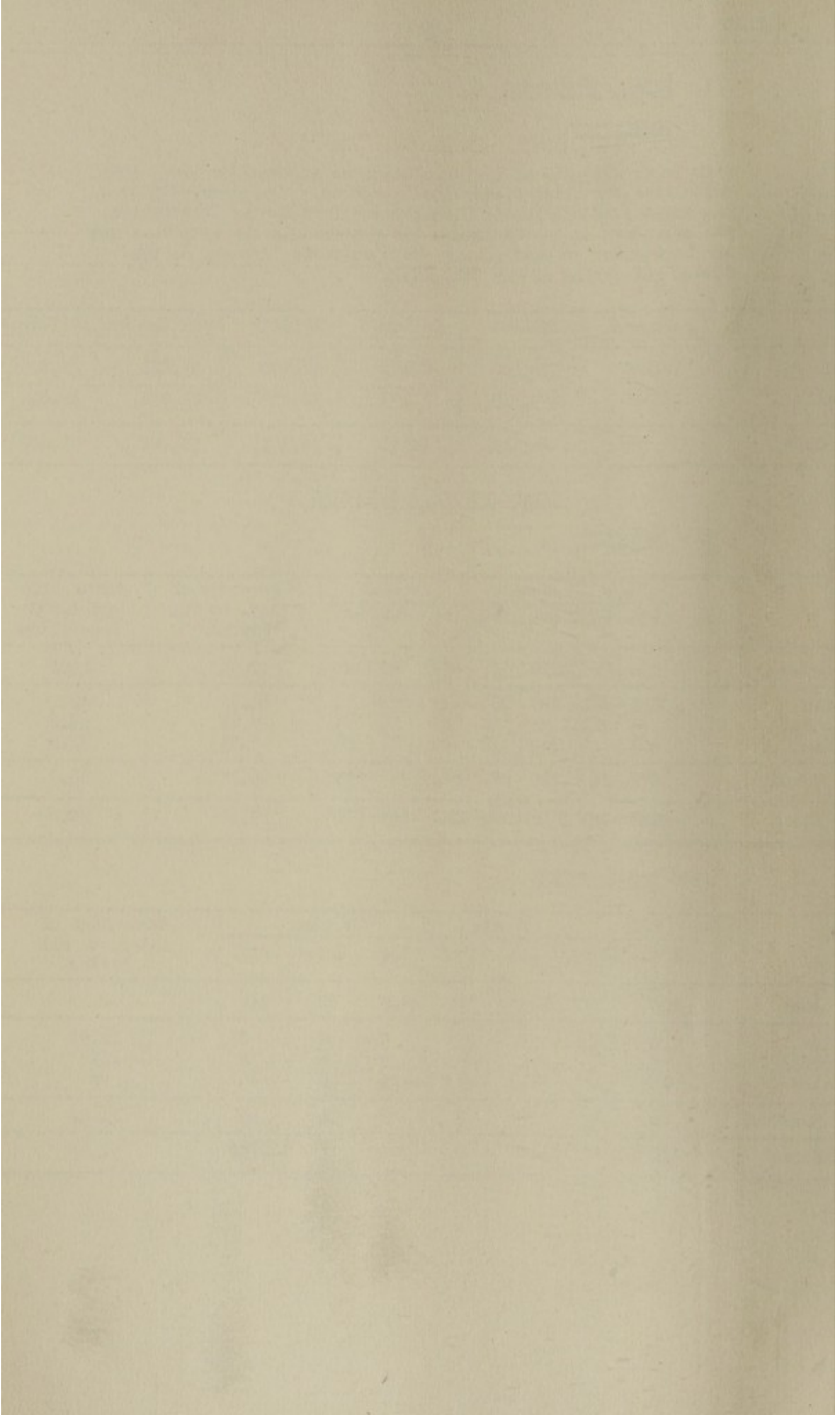
	European	Native	Coloured	Asiatic	All Non-Eur.	All Races
Male	17,200	16,880	2,176	12,770	31,826	49,026
Female	18,680	9,363	2,279	12,330	23,972	42,652
PERSONS	35,880	26,243	4,455	25,100	55,798	91,678

TOTAL BIRTHS REGISTERED(A) RESIDENTS

	Male		Female		Persons			Percentage of illeg. to all Births	Birth Rate per 1,000 Population
	Leg.	Illeg.	Leg.	Illeg.	Leg.	Illeg.	Total		
European	320	2	359	4	679	6	685	0.9%	19.1
Native	314	231	299	257	613	488	1101	44.3%	42.0
Coloured	79	14	61	16	140	30	170	17.6%	38.2
Asiatic	409	4	360	17	769	21	790	2.7%	31.5
All Non-Eur.	802	249	720	290	1522	539	2061	26.2%	36.9
All Races	1122	251	1079	294	2201	545	2746	19.8%	30.0

(B) NON-RESIDENTS

	Male		Female		Persons			Percentage of illeg. to all Births
	Leg.	Illeg.	Leg.	Illeg.	Leg.	Illeg.	Total	
European	120	0	129	0	249	0	249	0
Native	6	1	1	0	7	1	8	12.5%
Coloured	5	1	4	2	9	3	12	25%
Asiatic	15	0	11	0	26	0	26	0%
All Non-Eur.	26	2	16	2	42	4	46	11.1%
All Races	146	2	145	2	291	4	295	1.3%



DEATHSTOTAL DEATHS REGISTERED (RESIDENTS)

	Male		Female		Persons	
	Deaths	Rate per 1,000 Male Population	Deaths	Rate per 1,000 Fem- ale Population	Deaths	Death Rate (Per 1,000 Population)
European	169	9.8	139	7.4	308	8.6
Native	107	6.3	69	7.4	176	6.7
Coloured	9	4.1	11	4.8	20	4.5
Asiatic	85	6.7	60	4.9	145	5.8
ALL NON-EUR.	201	6.3	140	5.8	341	6.1
ALL RACES	370	7.5	279	6.5	649	7.1

DEATHS (Pages 5-7).

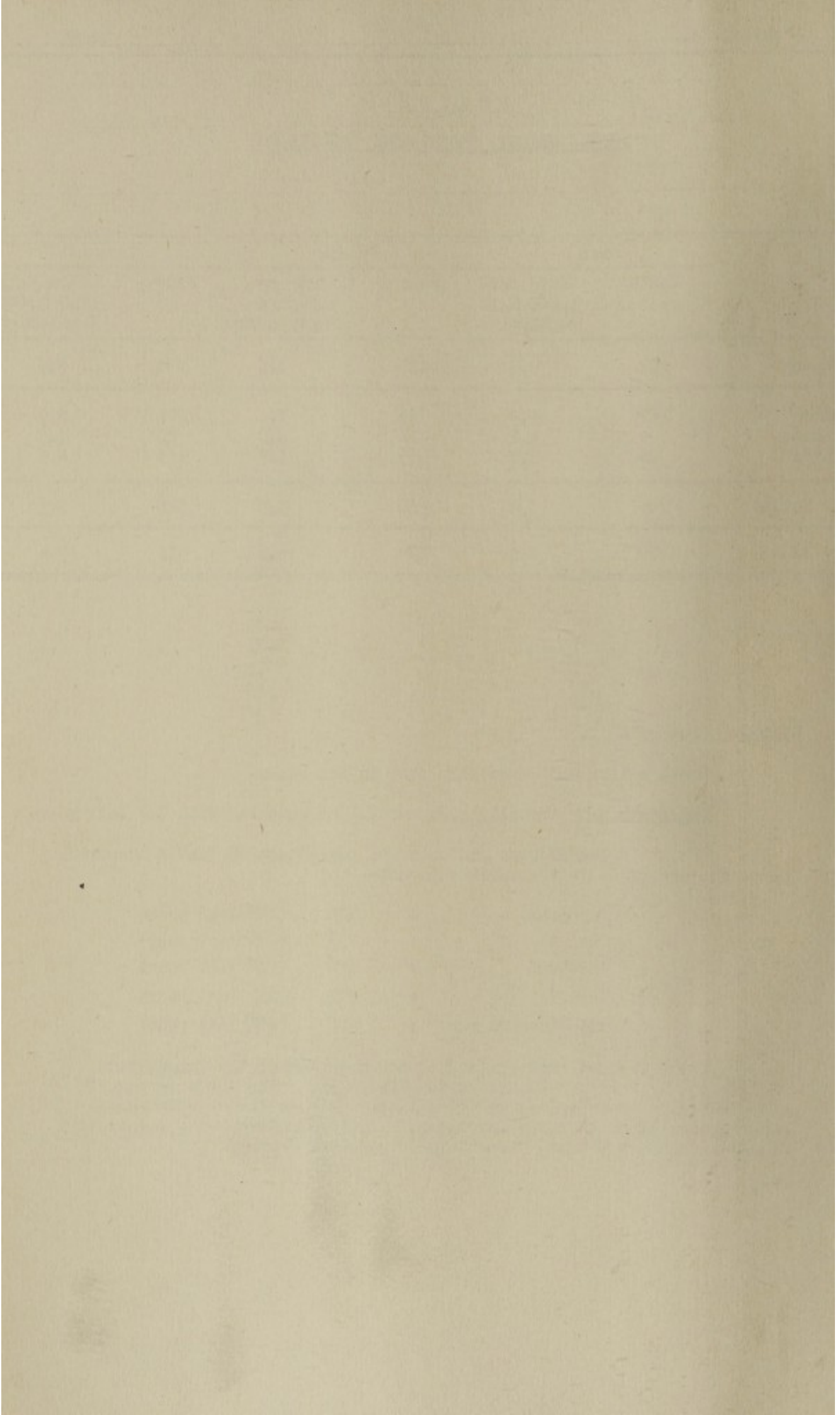
Death rates were lower this year in all races.

The death rate for all races was 7.1 as compared with 8.3 last year.

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

European	:	18%	(10% last year)
Native	:	73%	(82% last year)
Coloured	:	55%	(54% last year)
Asiatic	:	47%	(45% last year)
All Non-European	:	61%	(66% 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 7 also indicates that Cardiac and Circulatory disease far outweighs all other causes of death among Europeans. Among Non-Europeans, respiratory disease and heart disease were the main causes of death.

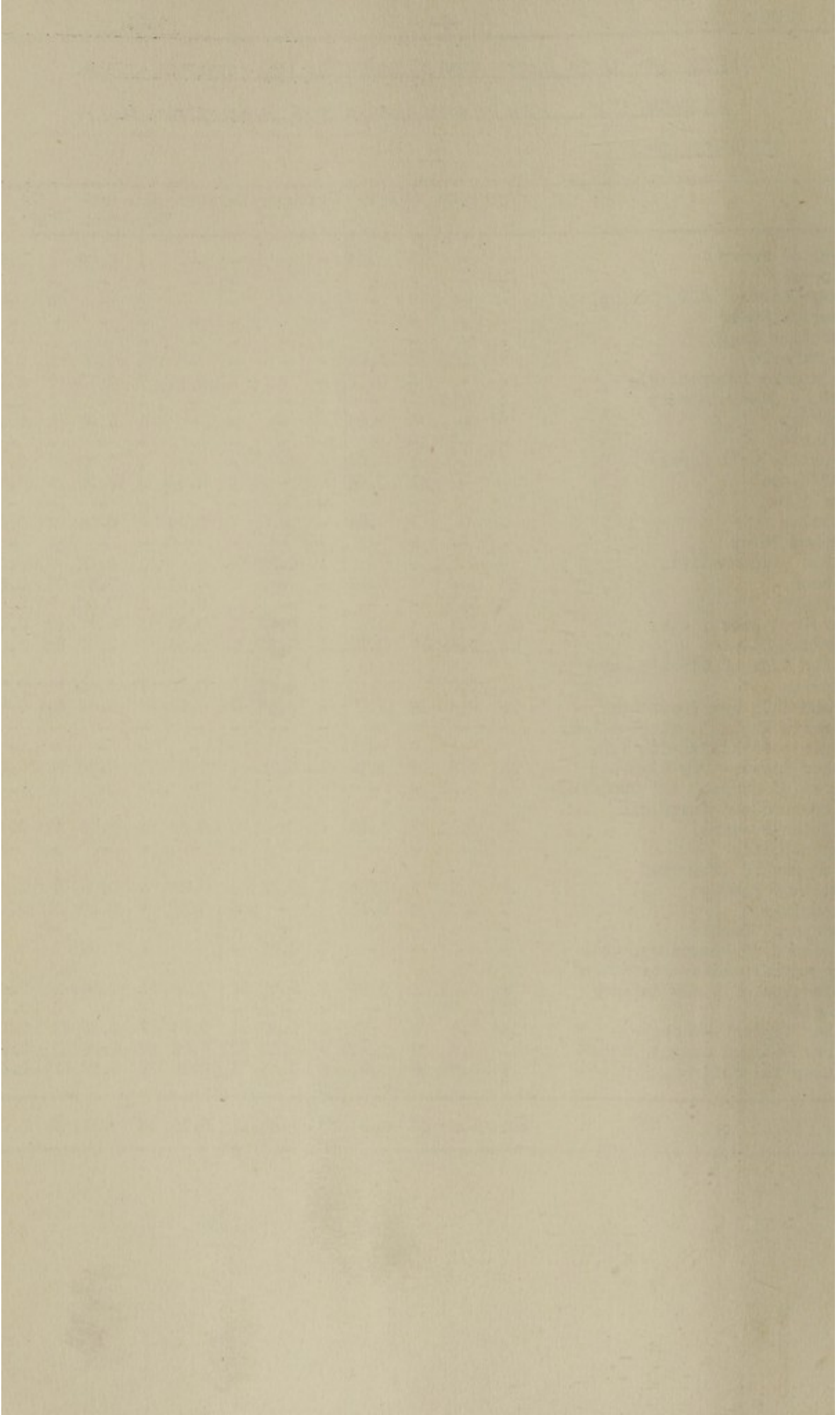


DEATHS AND DEATH RATES (PER 1,000 POPULATION) : VARIOUS CAUSES.

ABRIDGED LIST. (5th Decennial Revision of International List).

RESIDENTS ONLY

	European		Native		Coloured		Asiatic		All Non-Europeans		All Races	
1. Typhoid Fever	-	-	1	.04	-	-	-	-	1	0.02	1	0.01
2. Plague	-	-	-	-	-	-	-	-	-	-	-	-
3. Meningococcal C.S. Meningitis	-	-	0	-	-	-	-	-	0	-	0	-
4. Scarlet Fever	-	-	-	-	-	-	-	-	-	-	-	-
5. Whooping Cough	-	-	-	-	-	-	-	-	-	-	-	-
6. Diphtheria	2	0.06	1	0.04	-	-	-	-	1	0.02	3	0.03
7. Pulmonary Tuberculosis	-	-	3	0.11	-	-	4	0.16	7	0.13	7	0.07
8. T.B. - Non-Pulmonary	1	0.03	-	-	-	-	-	-	-	-	1	0.01
9. Leprosy	-	-	1	0.04	-	-	-	-	1	0.02	1	0.01
10. Malaria	-	-	-	-	-	-	-	-	-	-	-	-
11. Syphilis (all forms)	2	0.06	1	0.04	-	-	-	-	1	0.02	3	0.03
12. Influenza	-	-	1	0.04	-	-	2	0.08	3	0.05	3	0.03
13. Smallpox	-	-	-	-	-	-	-	-	-	-	-	-
14. Measles	-	-	1	0.04	-	-	1	0.04	2	0.04	2	0.02
15. Typhus Fever	-	-	-	-	-	-	-	-	-	-	-	-
Acute Poliomyelitis	5	0.14	-	-	1	0.22	-	-	1	0.02	6	0.07
16. Cancer	35	1.0	5	0.19	-	-	8	0.32	13	0.23	43	0.52
17. Diabetes	6	0.17	-	-	-	-	1	0.04	1	0.02	7	0.08
18. Cerebral Haem., etc.	25	0.7	5	0.19	2	0.45	8	0.32	15	0.27	40	0.44
19. Cardiac Disease	125	3.5	19	0.72	1	0.22	40	1.59	60	1.07	185	2.02
20. Other Dis. of Circulatory System	11	0.3	-	-	3	0.67	5	0.20	8	0.14	19	0.21
21. Bronchitis and Pneumonia	16	0.4	28	1.07	2	0.45	17	0.68	47	0.84	63	0.69
22. Miner's Phthisis without T.B.	-	-	-	-	-	-	-	-	-	-	-	-
23. Miner's Phthisis with T.B.	-	-	-	-	-	-	-	-	-	-	-	-
24. Other Respiratory Diseases	11	0.3	5	0.19	1	0.22	5	0.20	11	0.20	22	0.24
25. Ulcer of Stomach and Duodenum	1	0.03	-	-	-	-	-	-	-	-	1	0.01
26. Diarrhoea and Enteritis (Under 2 years)	5	0.14	27	1.03	0	0	8	0.32	35	0.63	40	0.44
27. Appendicitis	-	-	-	-	-	-	-	-	-	-	-	-
28. Diseases of Liver and Biliary Passage	7	0.2	1	0.44	1	0.22	3	0.12	5	0.09	12	0.13
29. Nephritis	3	0.08	4	0.15	-	-	5	0.20	9	0.16	12	0.13
30. Puerperal Sepsis	-	-	-	-	-	-	-	-	-	-	-	-
31. Diseases of Pregnancy, etc.	-	-	-	-	1	0.22	-	-	1	0.02	1	0.01
32. Congenital malformations and Diseases of Early Infancy	9	0.25	18	0.69	1	0.22	12	0.48	31	0.56	40	0.44
33. Suicide	1	0.03	-	-	-	-	-	-	-	-	1	0.01
34. Other Violent Deaths	14	0.4	3	0.11	3	0.67	1	0.04	7	0.13	21	0.23
35. Other Defined Causes	21	.6	26	0.99	2	0.45	22	0.88	50	0.89	71	0.77
36. Causes ill-defined	8	0.22	26	0.99	2	0.45	3	0.12	31	0.56	39	0.43
TOTAL :	308	8.6	176	6.7	20	4.49	14	5.78	34	6.11	649	7.08

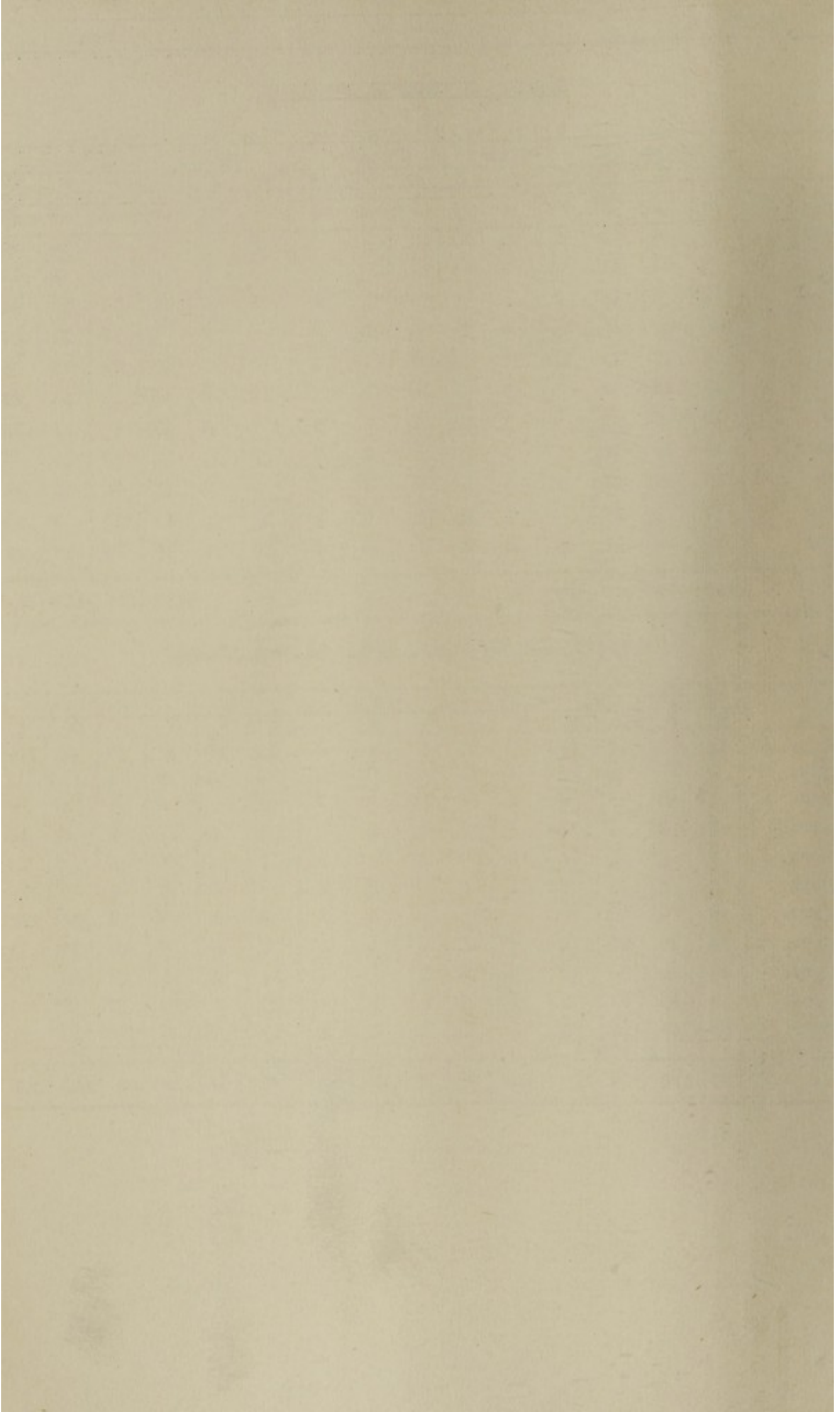


SEASONAL OCCURRENCE OF DEATHS

	European			Native			Coloured			Asiatic			All Non-Eur.		
	M	F	P	M	F	P	M	F	P	M	F	P	M	F	P
January, 1956	14	9	23	11	4	15	1	0	1	2	4	6	14	8	22
February	19	9	28	11	6	17	2	2	4	7	8	15	20	16	36
March	9	12	21	10	3	13	0	0	0	3	1	4	13	4	17
April	11	8	19	2	5	7	1	1	2	8	7	15	11	13	24
May	10	10	20	14	9	23	0	0	0	4	2	6	18	11	29
June	16	17	33	11	11	22	0	1	1	10	3	13	21	15	36
July	22	28	50	5	3	8	1	2	3	10	6	16	16	11	27
August	18	5	23	9	3	12	1	2	3	7	6	13	17	11	28
September	15	12	27	7	5	12	1	2	3	9	3	12	17	10	27
October	15	13	28	7	5	12	0	1	1	4	7	11	11	13	24
November	7	8	15	8	5	13	1	0	1	11	4	15	20	9	29
December	13	8	21	12	10	22	1	0	1	10	9	19	23	19	42
TOTAL :	169	139	308	107	69	176	9	11	20	85	60	145	201	140	341

DEATHS OF RESIDENTS GIVEN IN AGE GROUPS

	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	7	18	35	33	68	5	1	6	17	15	32	57	49	106
- 2 yrs.	1	0	1	14	5	19	0	0	0	2	4	6	16	9	25
- 4 yrs.	1	2	3	6	4	10	0	0	0	3	5	8	9	9	18
- 14 yrs.	2	1	3	3	1	4	0	1	1	3	4	7	6	6	12
- 24 yrs.	7	5	12	4	3	7	0	1	1	1	4	5	5	8	13
- 34 yrs.	4	1	5	5	1	6	0	2	2	3	0	3	8	3	11
- 44 yrs.	6	7	13	12	2	14	0	1	1	6	1	7	18	4	22
- 54 yrs.	18	10	28	10	4	14	1	1	2	7	10	17	18	15	33
- 64 yrs.	28	22	50	11	7	18	1	1	2	11	4	15	23	12	35
- 74 yrs.	28	35	63	3	5	8	2	1	3	19	6	25	24	12	36
and Over	63	49	112	4	4	8	0	2	2	13	7	20	17	13	30
TOTAL :	169	139	308	107	69	176	9	11	20	85	60	145	201	140	341

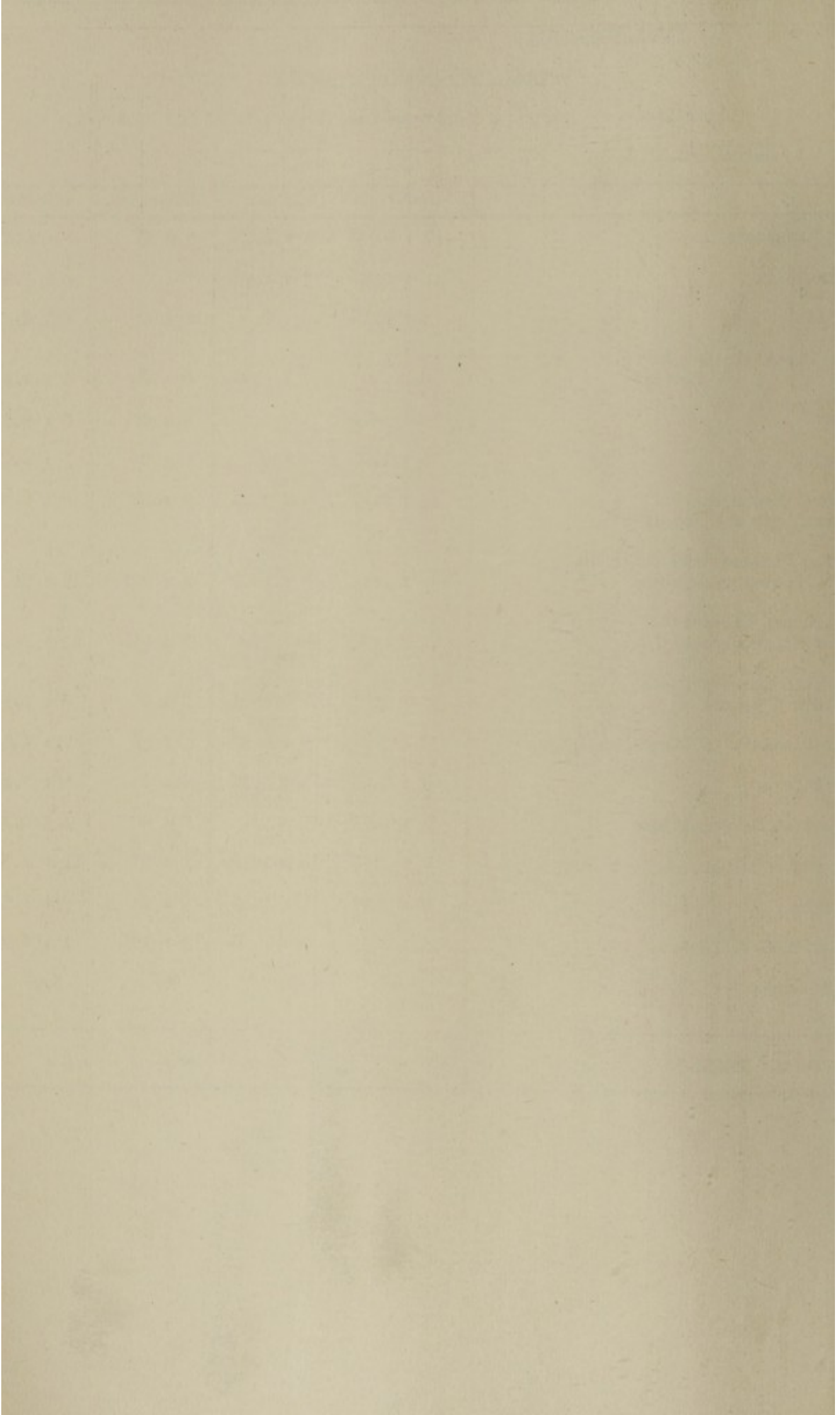


(1) Vital Statistics Cont'd.SUMMARY OF CAUSES OF DEATH

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

RESIDENTS ONLY

	European	Native	Coloured	Asiatic
Acute Exanthemata	7 : 2.3%	3 : 1.7%	1 : 5%	2 : 1.4%
Tuberculosis	1 : 0.3%	3 : 1.7%	0 : 0	4 : 2.8%
Syphilis	2 : 0.6%	0 : 0	0 : 0	0 : 0
Other Parasitic and Infective Diseases	0 : 0	7 : 3.9%	0 : 0	3 : 2.1%
Cancer	35 : 11.4%	5 : 2.8%	0 : 0	8 : 5.5%
Diabetes	6 : 1.9%	0 : 0	0 : 0	1 : 0.7%
Cerebral Haemorrhage Thrombosis and Embolism	25 : 8.1%	5 : 2.8%	2 : 10%	8 : 5.5%
Cardiac Diseases and Other Diseases of Circulatory System	136 : 44.2%	19 : 10.8%	4 : 20%	45 : 31.0%
Respiratory Diseases (non-tuberculosis)	27 : 8.8%	33 : 18.7%	3 : 15%	22 : 15.2%
Enteritis and Diarrhoea (under 2 years)	5 : 1.6%	27 : 15.3%	0 : 0	8 : 5.5%
Other Diseases of Digestive System	8 : 2.6%	5 : 2.8%	1 : 5%	7 : 4.8%
Nephritis	3 : 1.0%	4 : 2.3%	0 : 0	5 : 3.4%
Congenital Malformations	1 : 0.3%	0 : 0	0 : 0	1 : 0.7%
Diseases Peculiar to First Year of Life	8 : 2.6%	18 : 10.2%	1 : 5%	11 : 7.6%
Senility	9 : 2.9%	1 : 0.6%	0 : 0	8 : 5.5%
Deaths from Violence	15 : 4.9%	3 : 1.7%	3 : 15%	1 : 0.7%
Other Causes	6.5%	24.7%	25%	8.6%
TOTAL DEATHS :	308 :	176 :	20 :	145 :

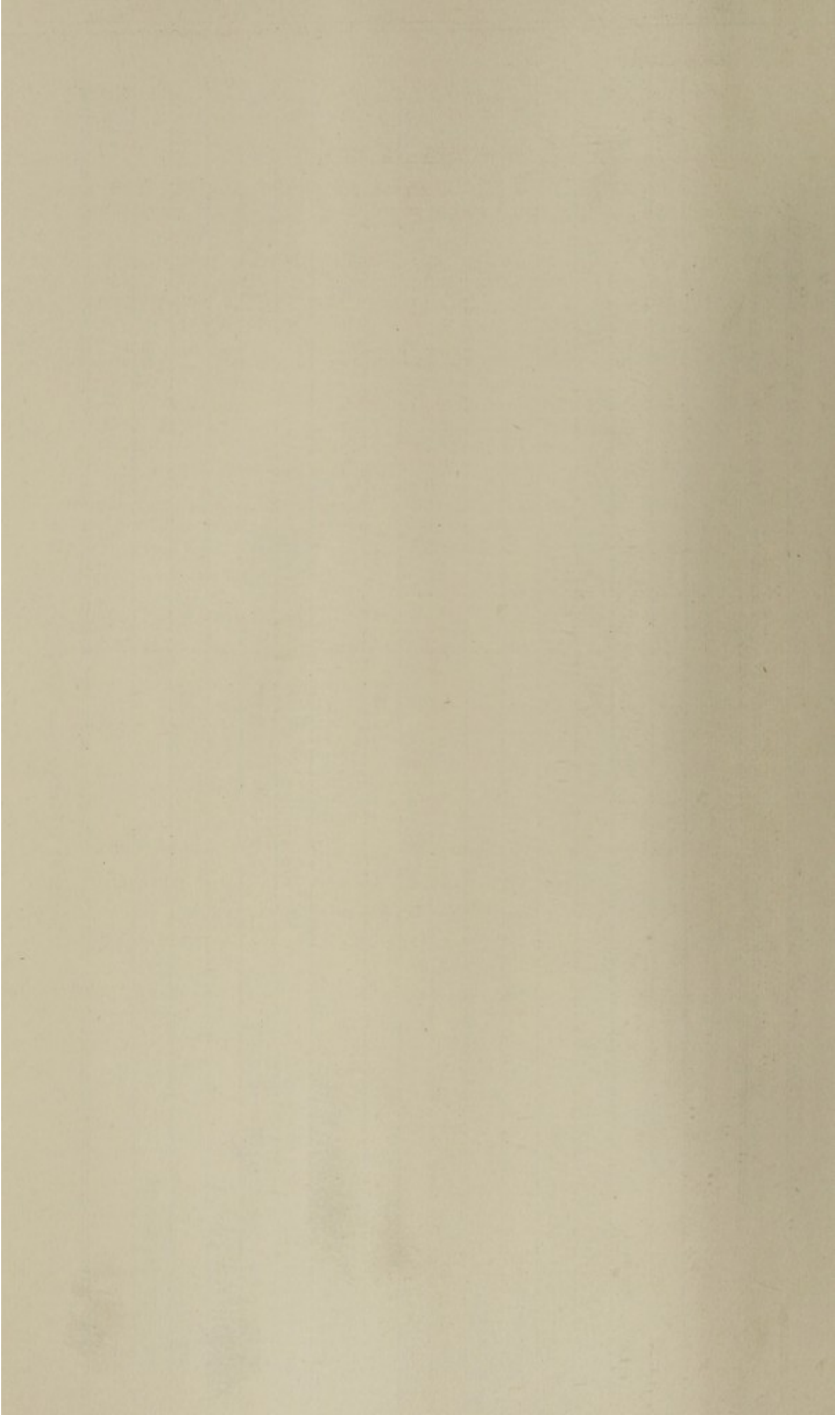


TOTAL NOTIFICATIONS OF INFECTIOUS DISEASE : (INCIDENCE PER 1,000 POPULATION IN BRACKETS).

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

	European	Native	Coloured	Asiatic	All Non-Eur.	All Races
Enteric Fever	1 (0.03)	10 (0.38)	2 (0.49)	3 (0.12)	15 (0.27)	16 (0.17)
Pulmonary Tuberculosis	8 (0.2)	86 (3.28)	14 (3.14)	11 (0.43)	111 (1.99)	119 (1.30)
Tuberculosis - Other Forms	0	1 (0.04)	0	1 (0.04)	2 (0.04)	2 (0.2)
Scarlet Fever	45 (1.3)	0	0	0	0	45 (0.49)
Erysipelas	2 (0.06)	0	2 (0.49)	0	2 (0.04)	4 (0.04)
Puerperal Sepsis	1 (0.03)	0	2 (0.49)	2 (0.08)	4 (0.07)	5 (0.05)
Trachoma	1 (0.03)	0	0	0	0	1 (0.01)
Diphtheria	22* (0.6)	6 (0.23)	1 (0.22)	2 (0.08)	9 (0.16)	31 (0.34)
Cerebrospinal Fever (Meningococcal Meningitis)	0	0	0	1 (0.04)	1 (0.02)	1 (0.01)
Anterior Poliomyelitis (Paralytic)	28 (0.8)	6 (0.23)	7 (1.57)	1 (0.04)	14 (0.25)	42 (0.46)
Anterior Poliomyelitis (Non-Paralytic)	7 (0.2)	1 (0.04)	1 (0.22)	0	2 (0.04)	9 (0.10)
Encephalitis	0	0	0	0	0	0
Leptosy	0	2 (0.08)	0	0	2 (0.04)	2 (0.02)
Ophthalmia Neonatorum	0	0	0	0	0	0
TOTAL :	115 (3.2)	112 (4.27)	29 (6.51)	21 (0.84)	162 (2.9)	277 (3.02)

* Includes 2 Diphtheria "Carriers".



(2) INFECTIOUS DISEASE

There were 277 notifications of infectious disease as compared with 242 in 1955 (See page 8).

ISOLATION HOSPITAL (EUROPEAN INFECTIOUS DISEASE) (Page 52).

Altogether 243 patients were admitted during the year 1956, 170 Borough and 73 Out-of-Borough, a big jump on last years total of 147. Figures for previous years were:-

1955 : 147; 1954 : 117; 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.

Cases of Puerperal Sepsis, Typhoid Fever and Tuberculosis, are provided for usually at Grey's Hospital - the Provincial General Hospital - and King George V-Springfield Hospital 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 the Special Unit established at Grey's Hospital.

NON-EUROPEAN INFECTIOUS DISEASES HOSPITAL (Page 52).

Admissions during 1956 totalled 414, 96 Borough and 318 Out-of-Borough cases, also a considerable increase over last years total of 331. Admissions since the opening of this hospital have been as follows:-

1955 : 331; 1954 : 256; 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.

Extensions of the Non-European Infectious Diseases Hospital were commenced in 1956. They consist of:-

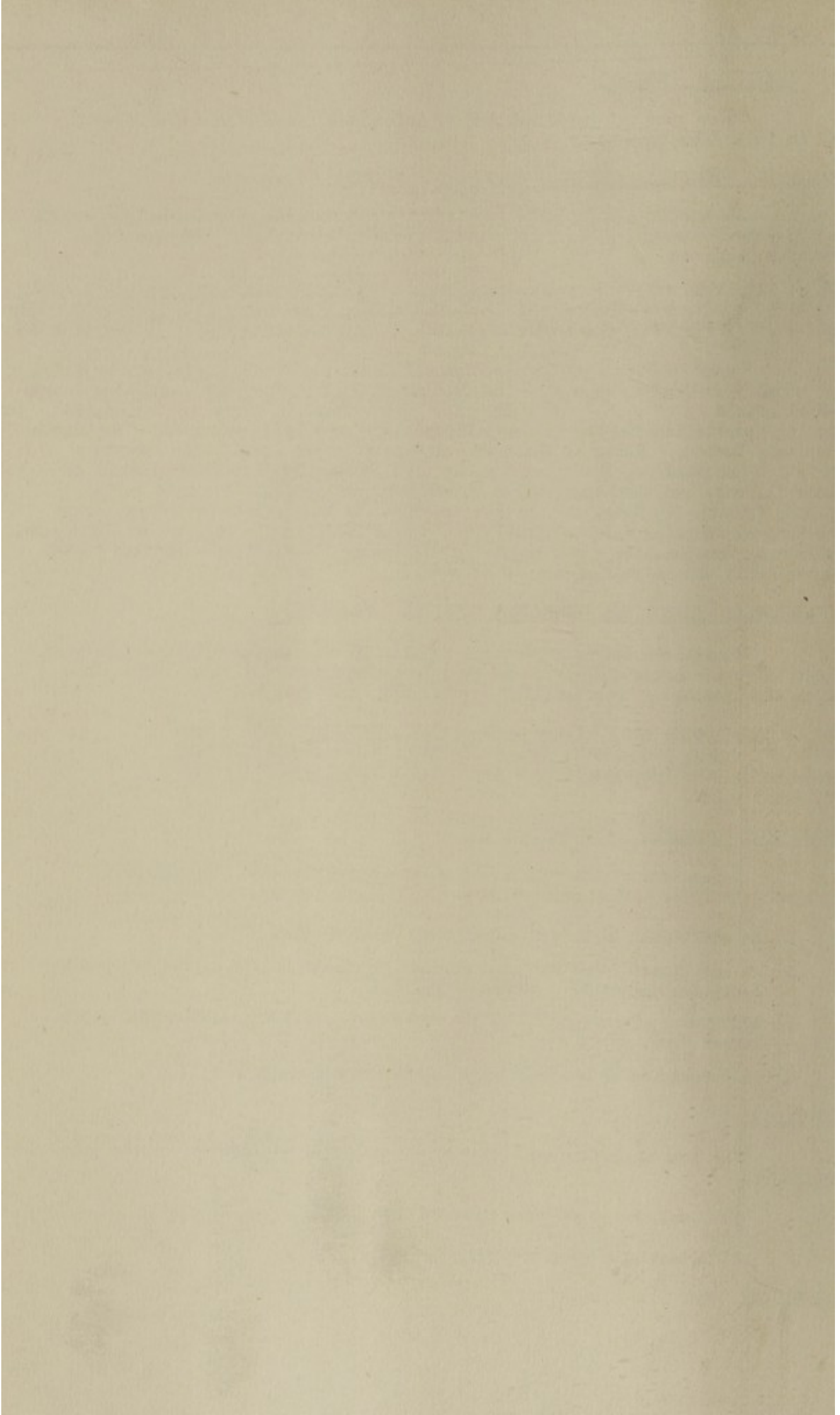
- 1) An additional 24 beds for Pulmonary Tuberculosis.
- 2) An additional 2 bed ward and service block extensions at the European Isolation Hospital. (Already completed).
- 3) Additional accommodation at the Non-European Infectious Disease Hospital Nurses Home.
- 4) The provision of sewerage at the Non-European Hospital.

AMBULANCE.

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

- | | | |
|----------------------------------|---|-------|
| 1) Total number of cases removed | : | 4,055 |
| 2) Infectious cases removed | : | 363 |

LABORATORY WORK



LABORATORY WORK.

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

Swabs for Diphtheria Bacilli	283
Swabs for Haemolytic Streptococci	115
Smears and swabs for Gonococcus, organisms, etc.	0
Cerebro-Spinal Fluids	94
Blood (Sugar and other examinations)	18
Blood (Counts, Smears)	0
Cough Plates	0
Stools (Parasites, T.B., etc.)	26
Urines (Chemical, microscopic, diastatic index, etc.) ..	28
Milk - for Bacterial Count	64
Milk - Phosphatase Test	186
	<u>814</u>

Laboratory work done by Municipal Bio-Chemist;

Milk - for Bacterial Count	60
Milk - for Phosphatase Test	184
Water - for Bacteriological Count	209

Work done in Departmental Laboratory:-

No. of Mosquito larvae examined	:	843
No. of Mosquito adults examined	:	0
No. of Snails examined	:	1,309
No. of Physopsis identified	:	171

NOTIFIABLE INFECTIOUS DISEASE.

- (a) ANTRAX. 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 25).

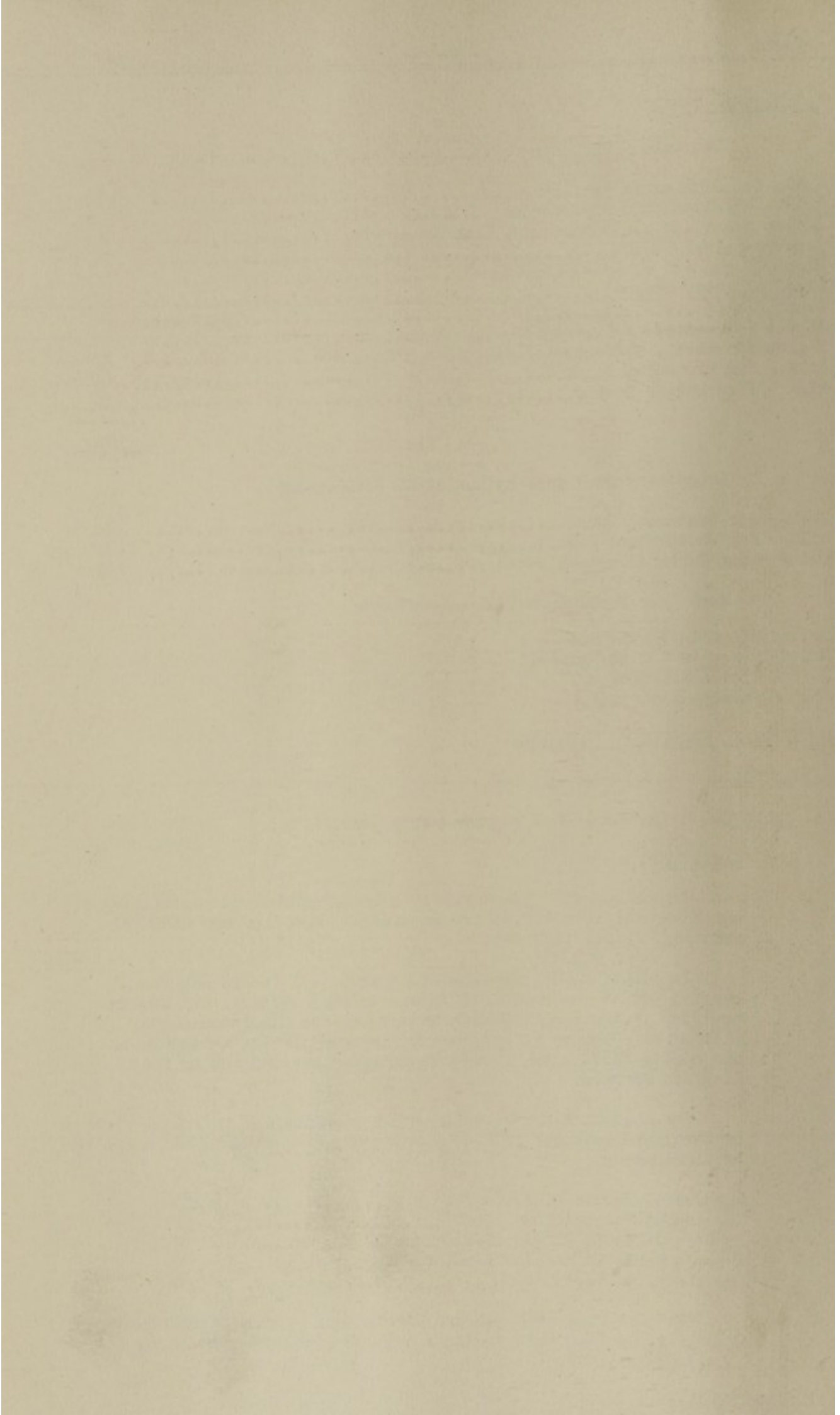
In addition, vaccination of infants (all races) has been carried out at the Municipal Infant Welfare Clinics, and adults applying to the Public Health Department are also vaccinated. This service serves to supplement the free service available to the public through the Public Vaccination carried out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

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

Successful Vaccinations (under 2)	283
Successful Vaccinations (over 2)	51
Insusceptible to Vaccination (under 2)	7
Insusceptible to Vaccination (over 2)	0
Exempted from Vaccination	0

The number of vaccinations carried out by this Department at its Clinics during this period was 1,207 (Eur. 306; Nat. 245; Col. 149; As. 507).

- (c) DIPHTHERIA/



(c) DIPHTHERIA.

The total number of cases notified in 1956 was 31 (including 2 "carriers", both Europeans), as compared with 34 last year, and 2 Europeans and 1 Native died from this disease. All the deaths occurred in non-immunised children.

The immunisation history in 40 definite cases (confirmed by Virulence tests admitted to our hospitals during 1956) was as follows:-

Immunised	Non-Immunised
Total cases : 3 (Eur.)	Total cases : 37 (13 Eur.; 24 Non-Eur.)
Deaths : Nil.	Deaths : 10 (2 Eur.; 8 Non-Eur.)

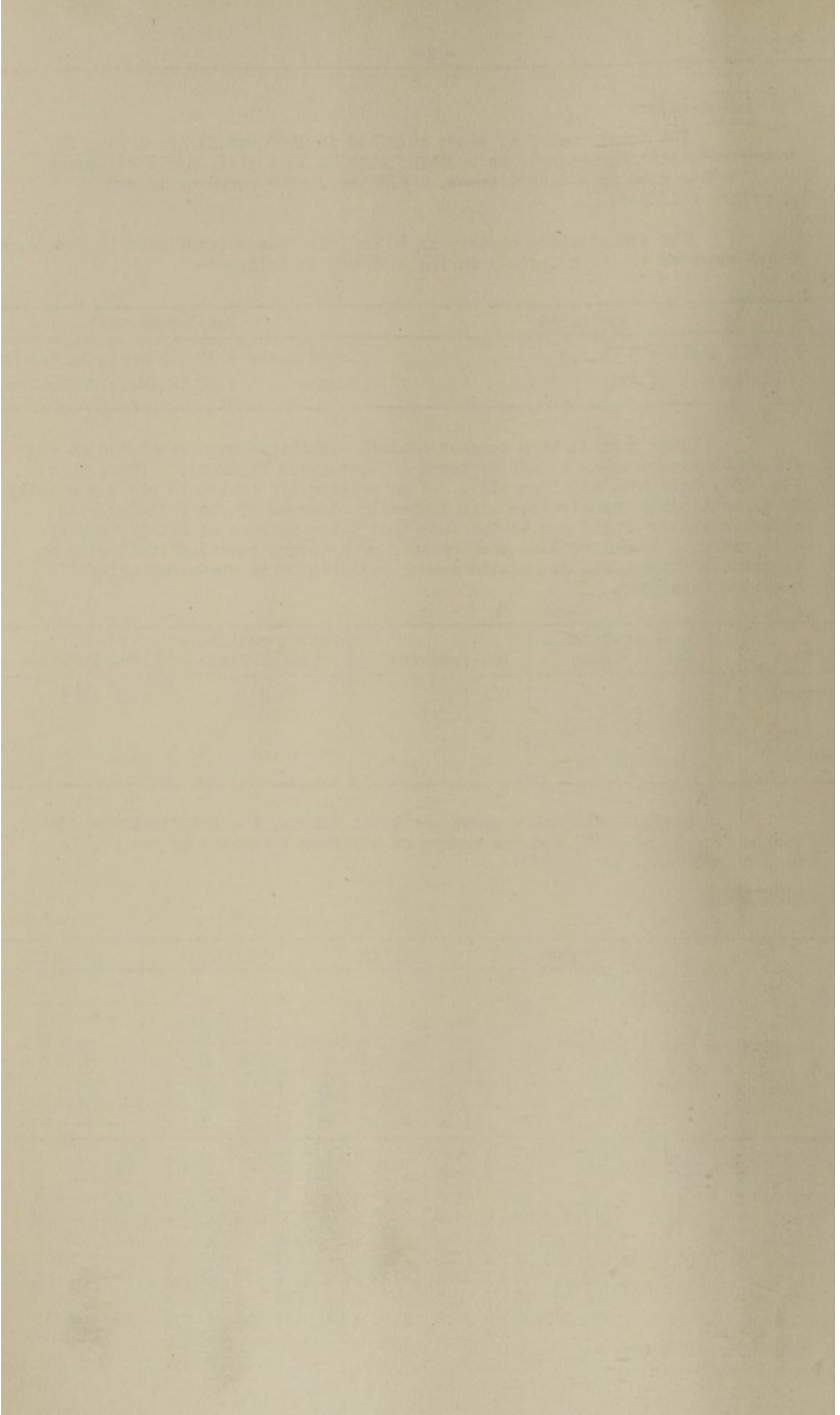
1,443 Immunisation courses against Diphtheria were completed at the Infant Clinic Sessions (a 42% decrease on last years figures). (Eur. 398; Nat. 257; Col. 156; Asiatics 632). This falling off in totals was due chiefly to discontinuing immunisation with the early outbreak of the Poliomyelitis epidemic this year and due to the fact that large numbers of Asiatic school children were immunised last year because of a "scare reaction" following an outbreak of Diphtheria in Asiatic school children, this event not being repeated this year.

Race	Pre-Inoculation Schick Tests	No. Positive	Post-Inoculation Schick Tests	No. Positive
European	6	4 (66%)	18	1 (6%)
Native	24	1 (85%)	20	0
Coloured	--	--	--	--
Asiatic	--	--	--	--

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
July, 1946-June, 1947	697	275	14	-	315	81	13	2	149	192	-	-	711	138	13	2
1947- " 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	-
Jan., 1954-Dec., 1954	1019	660	14	-	914	154	8	2	265	252	-	-	1200	698	8	2
Jan., - Dec., 1955	664	610	*17	1	1114	347	6	1	174	203	2	-	686	1333	9	1
- " 1956	685	398	°22	2	1101	257	6	1	170	156	1	-	790	632	2	-

* Includes 8 carriers.

° Includes 2 carriers.

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

(d) SCARLET FEVER.

45 Cases were notified as compared with 31 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.

(e) CEREBRO-SPINAL MENINGITIS.

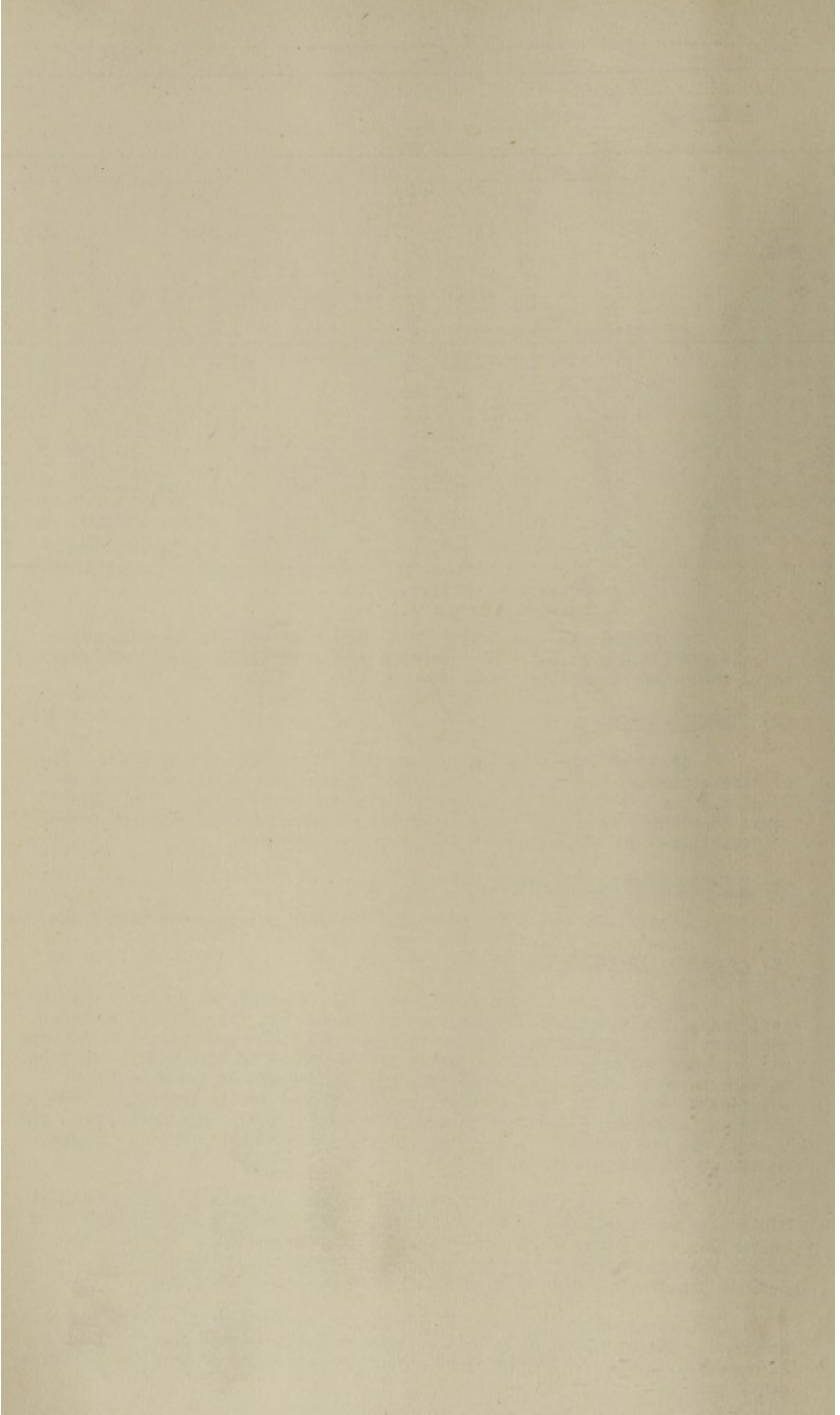
Only 1 case was notified during the year, as compared with 3 last year.

(f) ANTERIOR POLIOMYELITIS.

51 Cases were notified this year (42 Paralytic), as compared with 20 last year. Poliomyelitis Vaccination recovered from its original setbacks and there was a tremendous call for vaccine when it became evident that there was a severe outbreak of Poliomyelitis in the City. Unfortunately supplies of vaccine were inadequate to meet the full demand and as these limited supplies became available these were rapidly issued to the priority groups of children (children of doctors, nurses, ambulance drivers, teachers, etc.) and then to the age groups 1-5, 6-10, and 11-15. Additional staff was engaged to assist in this programme.

Numerous applications by adults who were exposed to the disease at times were received, but could not be met. The unusually high incidence of bulbar cases in young adults experienced this year points to the need to extend the immunisation campaign to the age groups up to the age of 40, as done in Denmark, as soon as supplies of vaccine become available.

Reactions to the vaccine were few in number and in no case became serious. By the end of 1956 this Department had completed immunisation of 24 children, given 159 children two injections and 725 children one injection only.



(f) ANTERIOR POLIOMYELITIS Cont'd.

The increase in the annual incidence of the disease in Pietermaritzburg is clearly shown in the following table of notifications:-

1941 - 0;	1942 - 12;	1943 - 2;	1944 - 15;	1945 - 7;
1946 - 0;	1947 - 2;	1948 - 32;	1949 - 4;	1950 - 1;
1951 - 11;	1952 - 3;	1953 - 3;	1954 - 25;	1955 - 20;
1956 - 51.				

The European notifications totalled 35 (an incidence rate of 98 per 100,000 population) as compared with 16 Non-Europeans (incidence rate, 29 per 100,000), thus confirming the general experience that the Non-European population acquires immunity much earlier than the European population.

The Provincial Hospital established a "Respiratory Unit" to deal with bulbar and respiratory types of cases in Grey's Hospital for Europeans and Non-Europeans and for this purpose acquired additional "iron lungs" and other automatic respiratory machines. The other types of Poliomyelitis cases were treated in the Municipal Isolation Hospitals for a period of three weeks and then transferred to the Provincial Hospitals or to the Uplands Orthopaedic Home for further orthopaedic treatment when required.

The number of "bulbar" and respiratory cases seen in young adults in particular was much greater this year than has ever been experienced in Pietermaritzburg and the majority of these cases came from the smaller towns and rural areas of Inland Natal and not from this City. Only 5 out of 24 European, and 1 out of 14 Non-European cases admitted to this unit during the Poliomyelitis season (October, 1956 - April, 1957), came from Pietermaritzburg. The incidence was almost entirely in European cases and very few cases of bulbar Poliomyelitis were seen in Non-Europeans, though a few Non-Europeans cases of pneumonic complications associated often with "spinal type respiratory embarrassment" needed treatment in this unit.

(g) ENTERIC FEVER.

16 Cases were notified, 1 European, 10 Native, 2 Coloured and 3 Asiatic.

55 Persons were immunised (1 European, 52 Natives and 2 Asiatics). 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 23, section (10) Milk Supplies). In addition, employees of the City Engineer's Department at the Sewerage Farm and in the water section are immunised yearly. (32 Europeans, 28 Natives and 131 Asiatics).

(3) TUBERCULOSIS (Pages 38-39).

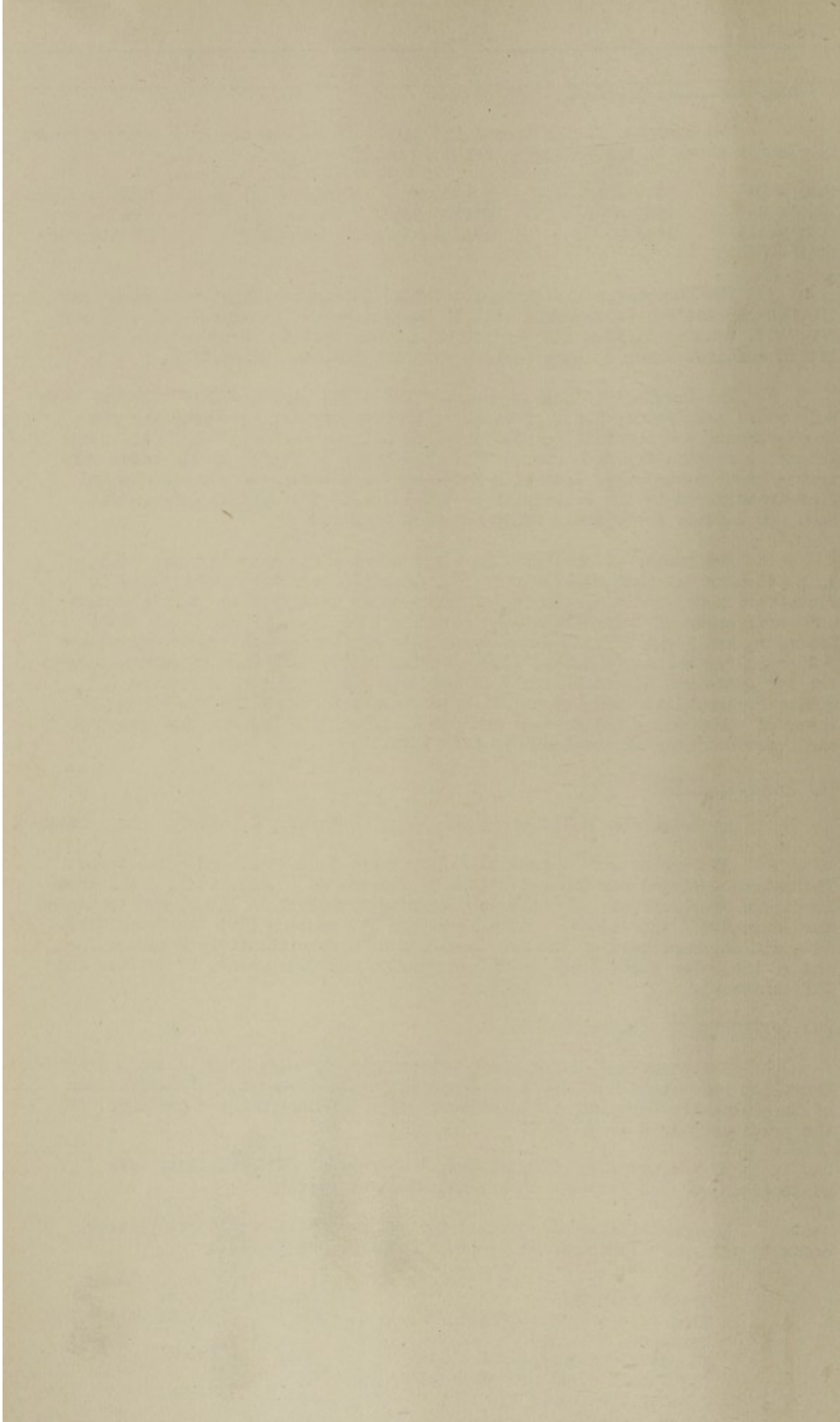
Notifications of Pulmonary Tuberculosis totalled 119, a small drop from last years total of 129, 8 of these being of Europeans. Notifications of Non-Pulmonary Tuberculosis totalled 2 (both Non-European) as compared with the previous year's total of 9.

37 Borough cases (28 Natives, 5 Coloureds and 4 Asiatics) were admitted to our Non-European Infectious Diseases Hospital.

Responsibility was accepted for the treatment of Pietermaritzburg cases of pulmonary Tuberculosis at other hospitals as follows:-

Grey's Hospital	:	Eur. 1; Col. 2.
King George V/Springfield Hosp.	:	Eur. 8; Nat. 4; Col. 1; As. 3.
Wentworth Hospital	:	Eur. 6.
Edendale Non-European Hospital	:	Nat. 26; As. 4.
Lilleshall Convalescent Hospital	:	Eur. 2.
F.O.S.A., Durban.	:	As. 2.
Other Hospitals	:	Nat. 8.

The/



(3) TUBERCULOSIS

Cont'd.

The Natal Anti-Tuberculosis Association rendered assistance to 21 families in Pietermaritzburg (3 European, 13 Native, 3 Coloured and 2 Asiatic), to enable the breadwinner to accept hospital treatment. The Council increased its expenditure this year on the issue of supplementary foodstuffs indigent tuberculosics from £200 to £1,000.

The following tables illustrate the trend in notifications and deaths from this disease over the period 1934-1956:-

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
Jan., - Dec., 1955	14	75	9	31	115	129	0	11	2	2	15	15
Jan., - Dec., 1956	8	86	14	11	111	119	0	3	0	4	7	7

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

NON-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	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	3	4	3	7	8	0	5	1	3	9	9
" 1944- " 1945	1	4	0	3	7	8	0	5	1	3	9	9
" 1945- " 1946	2	6	1	8	15	17	0	3	2	5	10	10
" 1946- " 1947	1	5	3	3	11	12	1	4	1	3	8	9
" 1947- " 1948	1	8	3	2	13	14	0	11	3	3	17	17
" 1948- " 1949	5*	9	1	4	14	19	1	8	1	2	11	12
" 1949- " 1950	0	7	0	7	14	14	1	7	1	2	10	11
" 1950- " 1951	0	12	2	10	24	24	1	3	1	2	6	7



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

	NOTIFICATIONS						DEATHS					
	Eur.	Nat.	Col.	As.	All Non-Eur.	Total	Eur.	Nat.	Col.	As.	All Non-Eur.	Total
July, 1950-June, 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
Jan., - Dec., 1955	1	4	1	3	8	9	1	3	0	0	3	4
Jan., - Dec., 1956	0	1	0	1	2	2	1	0	0	0	0	1

* Includes 1 case also notified as Pulmonary Tuberculosis.

The increase in Non-European notifications noted last year was maintained due mainly to an increase in the Native figures. There was, however, a sharp fall in the total of Native deaths from this disease, a feature which has been widely noted. The increased notifications in Natives is in a considerable measure due to the free use of Miniature X-Rays.

MINIATURE MASS RADIOGRAPHY

In 1954 the City Council installed its own Miniature X-Ray set (a fixed unit) in the Public Health Department.

The following table indicates the type of patient coming to or being referred to the unit for a Miniature X-Ray:- (See page 44(a) for detailed breakdown of these figures).

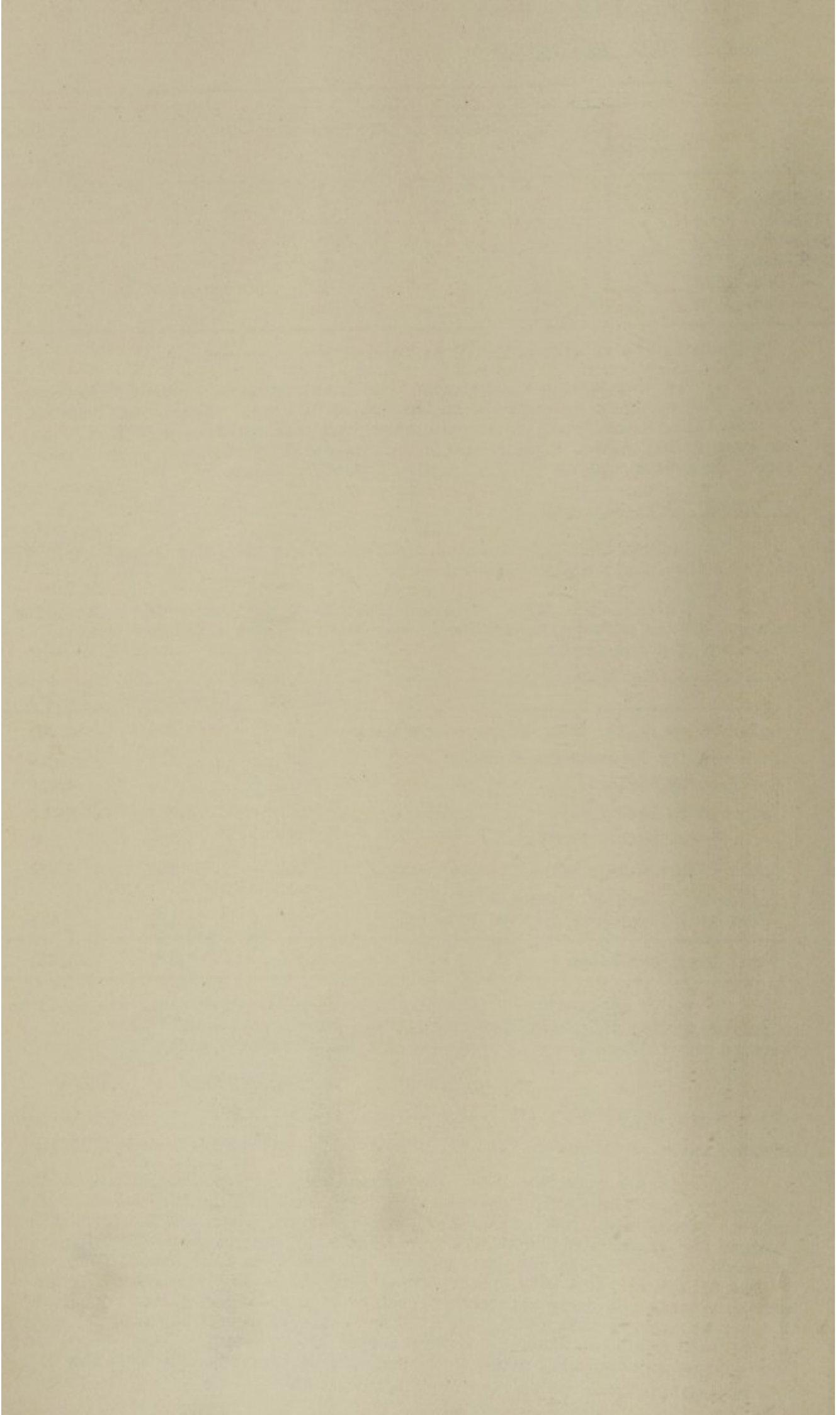
	European	N-European	Total
Referred ex Native Pass Office med. examn.	-	2,823	2,823
Referred for Pre-employment X-Ray	123	317	440
Referred by Employers	17	2,028	2,045
Referred by Doctors	454	1,254	1,708
Referred by Health Visitor	17	379	396
Applied Voluntarily for Miniature X-Ray	764	148	912
Follow-up X-Rays of cases attending Municipal Clinics or in T.B. Hospital	81	434	514
Total Persons X-Rayed	1,456	7,385	8,841

The final results of investigations carried out on cases suspected to be suffering from Pulmonary Tuberculosis as a result of the Miniature X-Ray revealed the following:- (Percentage of total miniatures given in brackets).

	<u>European</u>	<u>Non-European</u>	<u>Total</u>
Active cases of Pulmonary T.B.	17 (1.2%)	159 (2.2%)	176 (2.0%)
Arrested cases of Pulmonary T.B.	7 (0.5%)	41 (0.6%)	48 (0.6%)

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 large proportion of cases referred by doctors is a specially pleasing feature of the work done by this plant. Voluntary applicants for X-Ray also 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/



(3) TUBERCULOSIS Cont'd.

general public is becoming aware of the importance and value of the routine miniature X-Ray.

THE TUBERCULOSIS CLINIC (Page 44).

Staff: Asst. Medical Officer of Health (Part-time), a European Health Visitor (Full-time), and a Native Health Assistant (Full-time).

During the year there were 2,345 attendances at the Clinic (including 879 Out-of-Borough cases), as compared with last years total of 2,212. All contacts are now referred first of all to the Miniature X-Ray Clinic and only brought to clinic if found to be abnormal, whilst patients for Streptomycin injections only occasionally attend the clinic sessions as well, being supervised from the Streptomycin clinic.

Out-patient continuation treatment with injections of Streptomycin and oral I.N.H. (or P.A.S.) has been used 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.

During the year 12 European, 60 Native, 27 Coloured and 31 Asiatic patients received regular Streptomycin injections at the 2 special clinic sessions held per week for this purpose. (See page 44). One factory in Pietermaritzburg with the necessary medical organisation, carries out the follow-up Streptomycin injections on its own employees, 2 Natives, 3 Coloureds and 21 Asiatics being dealt with in this way. One European patient is being treated at home.

2,546 Visits were made to tuberculous and contacts in their homes, (Borough cases only), as compared with last years total of 2,892.

The following notified cases were on our Tuberculosis Register as at December 31st, 1956, (1955 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.	75(74)	231(172)	53(34)	171(157)	455(363)	530(437)
Non-Pulm.T.B.	2(2)	16(13)	3(3)	27(26)	46(42)	48(44)

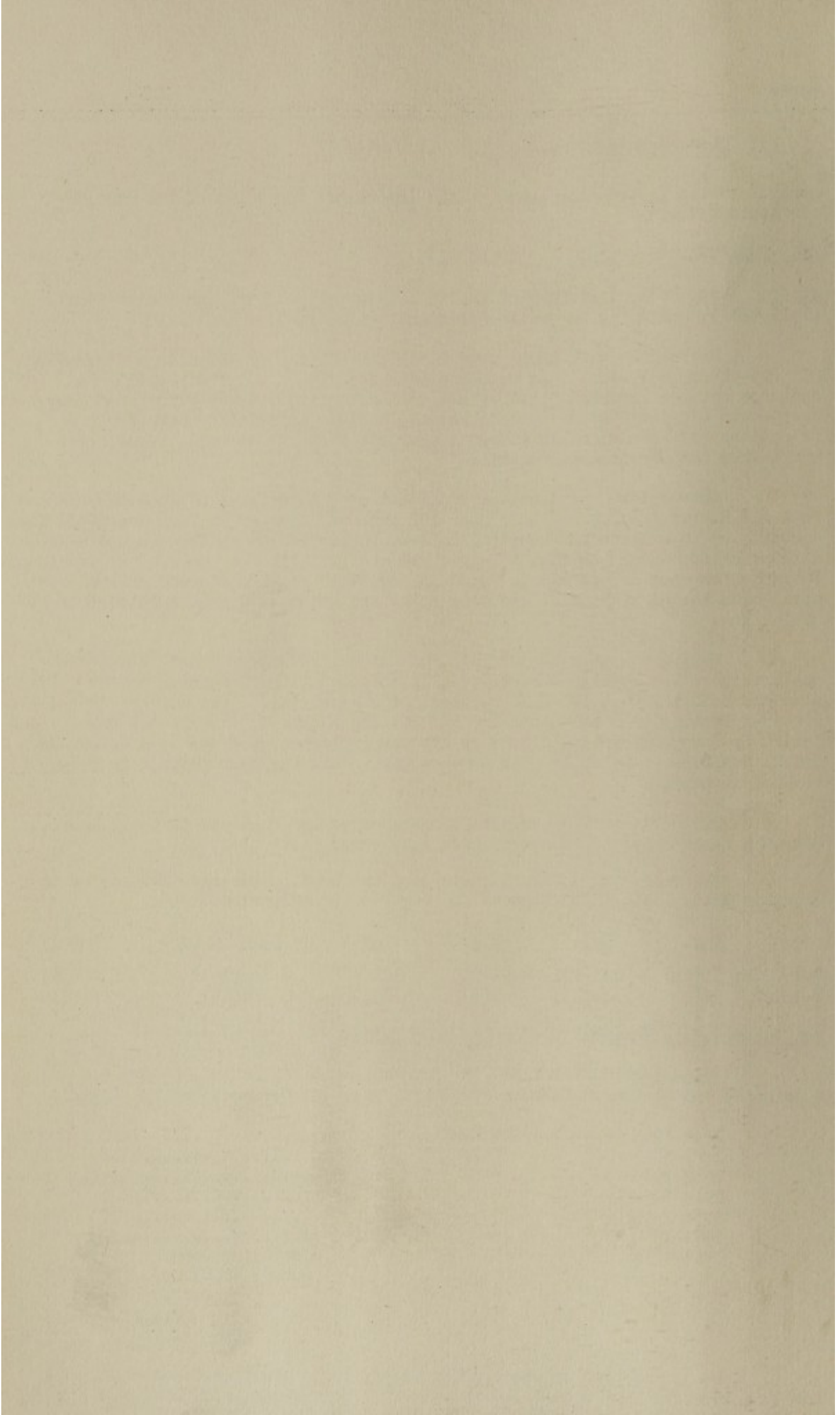
The Tuberculosis Hospital : (Non-European only).

Admissions totalled 129, 37 Borough cases (28 Native, 5 Coloured and 4 Asiatic) and 92 Out-of-Borough cases (88 Native, 3 Coloured and 1 Asiatic).

1946-1947	Annual Admission Rate per Bed	2.0 patients.
1947-1948	" " " " " "	3.1 "
1948-1949	" " " " " "	2.8 "
1949-1950	" " " " " "	2.3 "
1950-1951	" " " " " "	1.7 "
1951-1952	" " " " " "	1.5 "
1952-1953	" " " " " "	(including temporary beds)1.7 "
1954	" " " " " "	"2.1 "
1955	" " " " " "	"2.6 "
1956	" " " " " "	"3.3 "

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

(4) VENEREAL DISEASE/



(4) VENEREAL DISEASE (Pages 45-51).

- (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 for Europeans and at the Municipal Clinic in East Street for Non-Europeans. 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 2 Native Health Assistants, assist at the Clinics. Two 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:-

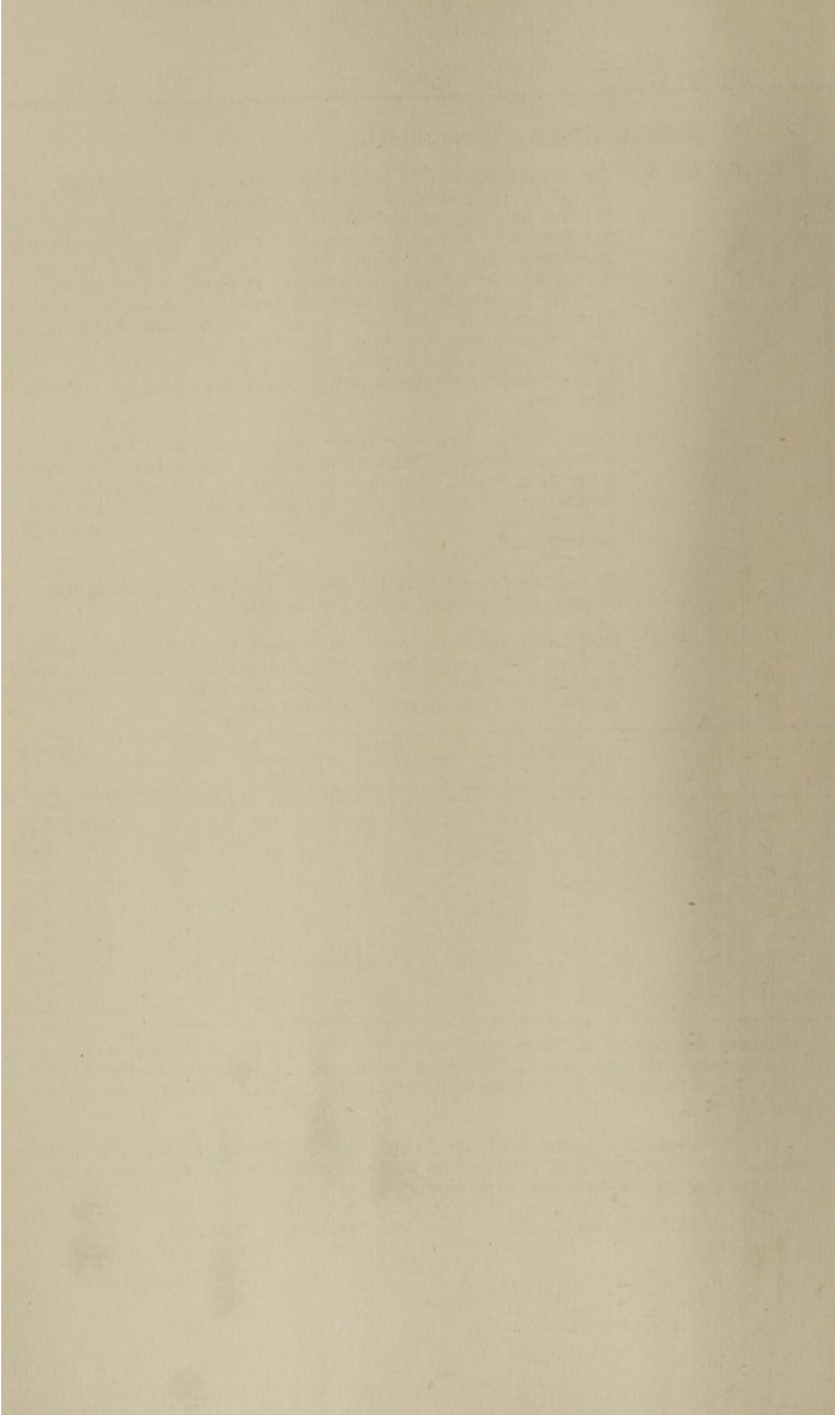
	European		Native		Coloured		Asiatic	
	No. of Tests	% Positive	No. of Tests	% Positive	No. of Tests	% Positive	No. of Tests	% Positive
July, 1946-June, 1947	185	0.5%	2,963	16.8%	465	1.9%	1,423	1.6%
" 1947- " 1948	193	1.6%	3,053	9.3%	153	3.2%	772	2.2%
" 1948- " 1949	293	1.7%	3,568	9.3%	190	2.8%	846	4.5%
" 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%
Jan., 1955- " 1955	221	1.4%	-	-	230	7%	1,065	2.2%
" 1956- " 1956	289	-	-	-	267	3.7%	1,073	1.8%

*Figures for 1953-1954 incomplete, owing to closing down of Mayors Walk Hospital in Pietermaritzburg, and its transfer to Edendale. Native Ante-Natal Clinics have been transferred to Edendale Hospital and are no longer held in Pietermaritzburg.

A small Ante-Natal Clinic is held in the Sobantu Village for Natives who are to be confined at home by the Municipal Midwife and the Ante-Natal figures for that clinic are as follows:-

No. of Tests : 150. WR⁸ Positive : 8 (5.3%).

(f) The/



(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
46-47	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
47-48	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
48-49	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
49-50	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
50-51	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
51-52	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
52-53	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
54	2.1	-	0.3	-	3.8	3.6	2.8	2.6	3.8	2.2	-	10.2	3.0	2.4	-	9.3
55	2.1	5	0	0	3.1	3.9	2	2.3	3.3	4.3	1.3	4.7	2.7	1.1	1	3.5
56	2.5	3.3	0	0	3.7	4.4	2	2.6	3.7	4.4	1	2.7	2.3	2.6	-	-

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 small increase in Clinic Attendances (not significant) was recorded for 1956, there being 2,647 attendances during the year as compared with the 1955 total of 2331. 827 Home visits were paid to cases of Venereal Disease, as compared with the 1955 total of 1,815, the fall off being due to disorganisation following the resignation of the Health Visitor in charge of this section of the work, and the long period we were without a successor.

EPIDEMIC HOSPITAL (Non-European V.D.)

Admissions to this hospital totalled 396, again showing the decrease that has been taking place in recent years, e.g. 1,312 in 1951-2, 910 in 1952-3, 561 in 1954, and 358 in 1955. The daily average of in-patients totalling 8 as compared with 6 last year, 20 the year before and 32 the year previous to that.

The re-admissions for this period numbered 37, i.e. 9.3% of admissions as compared with 15.4%, 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	9	7	16
2) Patients thought themselves cured after only a few follow-up injections	11	2	13
3) Patients stated no facilities for further treatment available near their homes ...	0	1	1
4) Patients unable to pay transport to obtain treatment	0	1	1
5) Patients unable to pay doctor for further treatment	0	0	0
6) Patients stated employers would not allow them to attend for further treatment or that could not leave work	0	0	0
7) Patients re-admitted suffering from forms of V.D. other than that originally admitted for	0	0	0
8) Relapsed though attended clinic fairly regularly	3	0	3
9) Reinfected after discharge	0	0	0
10) Gaoled and received no further treatment.	3	0	3

With



EPIDEMIC HOSPITAL

Cont'd.

With the availability of Penicillin Procaine G in Oil, Penicillin treatment of all Syphilitic cases is now routine in this hospital, a 7 day course (a total of 4.8 M.u. Penicillin Procaine in Oil), adopted on the instruction of the Union Health Department, being given. All cases of Gonorrhoea are also treated with Penicillin.

(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. A single Departmental Rodent Officer devotes all his time to anti-rodent measures, trapping, poisoning, chiefly with Zinc Phosphide and also with "Wharfalin" 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 3 Grain Stores in the City; all are now rodent-proofed.
There are 2 mills in the City -- both are now rodent-proof.

Trapping operations by Rodent Inspector : 27. Rodents trapped 57.
Poisoning " " " " : 261. Rodents Poisoned:
(Bodies recovered) 126.
(Amount of Poison meal used 75lbs)
Gassing operations by Rodent Inspector : 13. Bodies recovered 37.
18 Dwellings completed rodent-proofing -- 43 inspected.
86 Business premises, shops and stores rodent-proofed -- 291 inspected.
2 Stables rodent-proofed -- 5 inspected.

New buildings in course of erection supervised for rodent-proofing : 37.
Vacant lands gassed : 9.

(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 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 concrete 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.

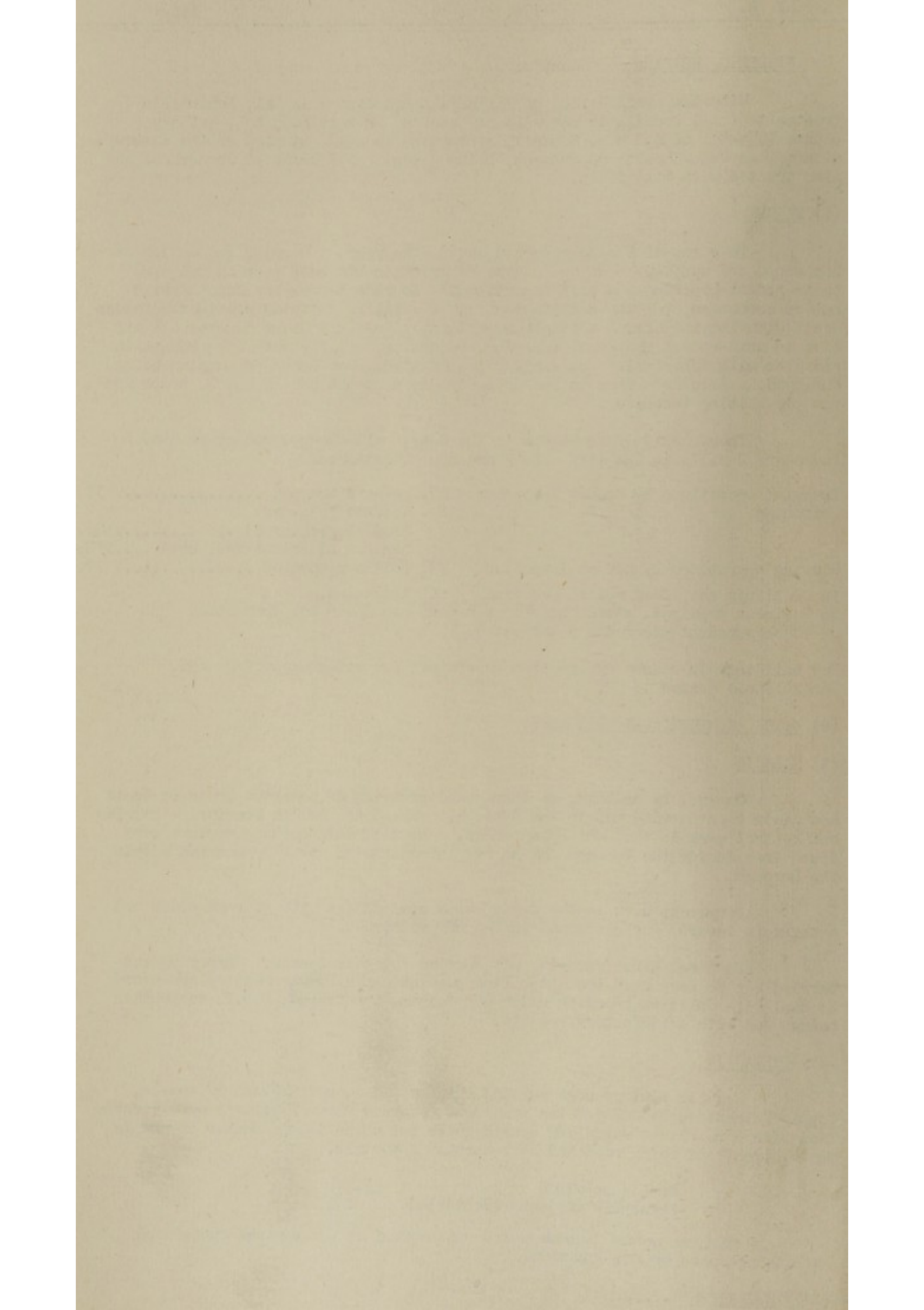
(II) BILHARZIA

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.

Snails examined : 1,309
Physopsis Africana identified: 171

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

(III) ENTERITIS/



(III) ENTERITIS in children under the age of two years accounted for 40 deaths, (5 European, 27 Native and 8 Indian), a decrease on the previous year's total of 54.

(IV) MUMPS

This disease was moderately prevalent during the year, 21 cases being admitted to the (European) Isolation Hospital, and 7 Non-European cases being admitted to the Non-European Infectious Diseases Hospital.

(V) MEASLES

This disease was quite widely prevalent in school children this year, 38 Borough cases being admitted to the Isolation Hospitals. 1 Native and 1 Asiatic death were recorded.

(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 57).

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 Aluminaferrie, before filtration. After filtration, the water is treated with Chloramine before being distributed to the six service reservoirs. A new covered service reservoir at Hathorns Hill of approximately 5 million gallons capacity is nearing completion.

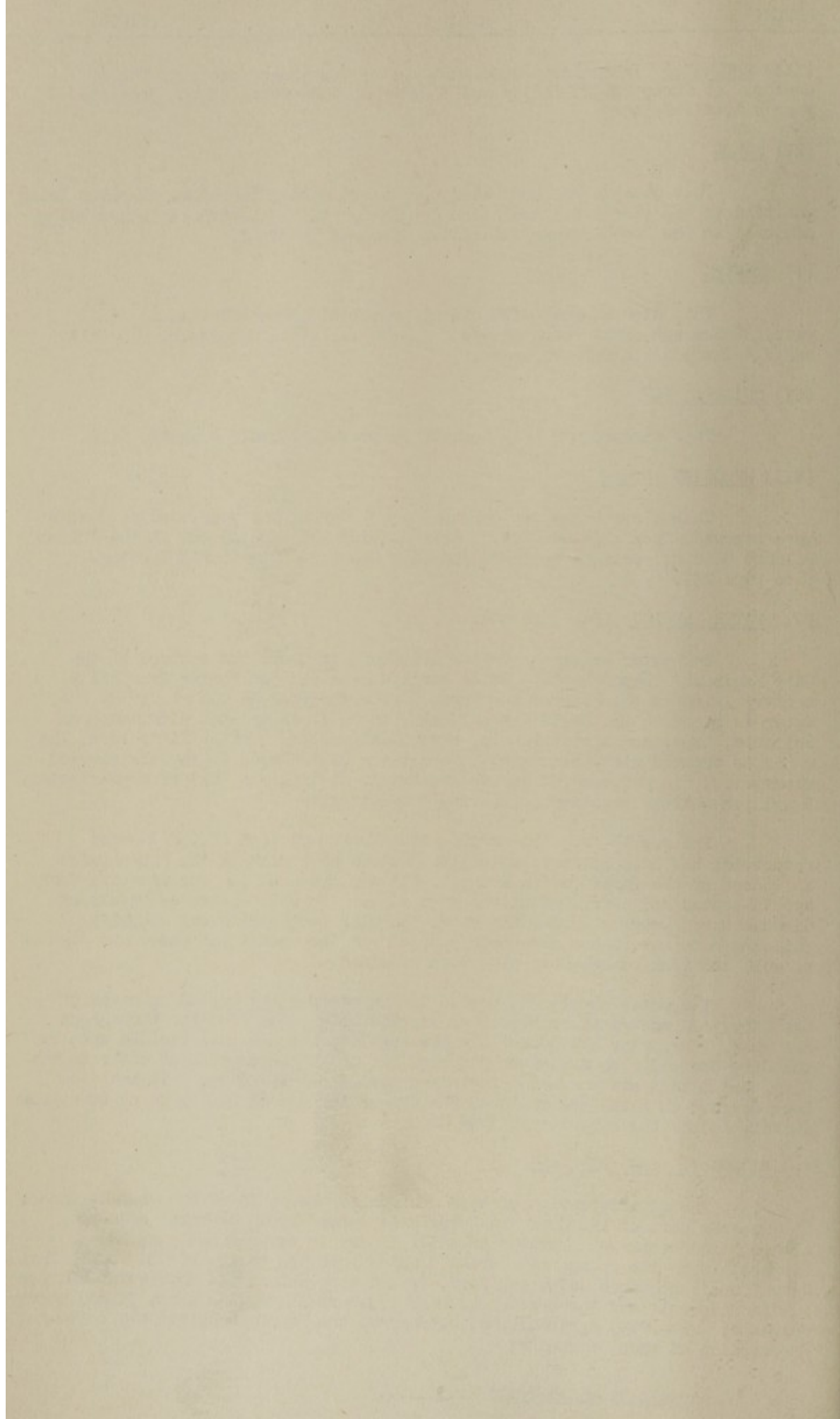
The supply from the Purification Works and each of the service reservoirs has been bacteriologically examined each week by the bio-chemist in charge of the Purification Works. All employees at the Purification Works are Vi-tested and immunised at the same time. No water-borne outbreaks of disease have 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.

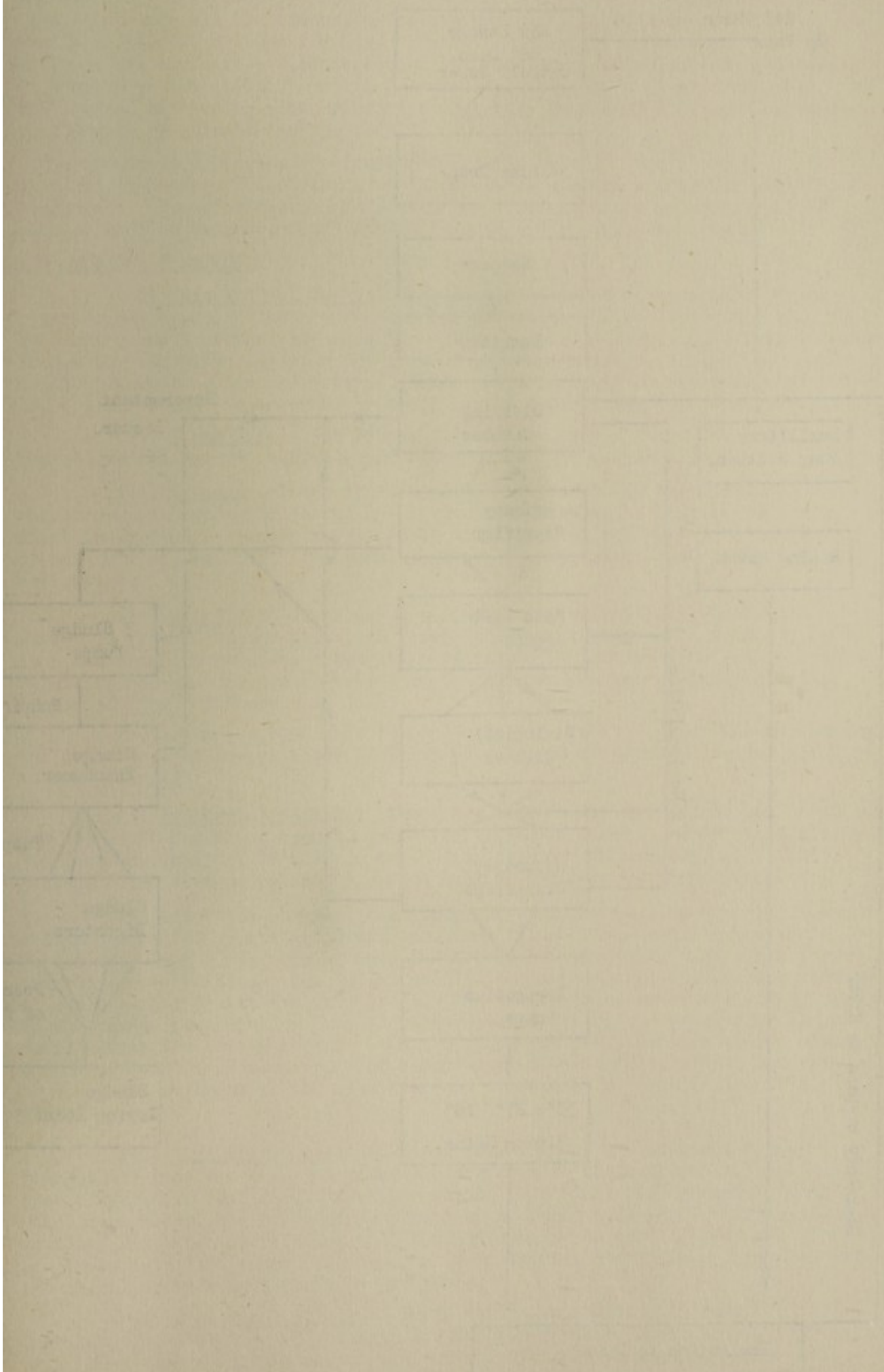
The water supply has proved inadequate for the expanding needs of the City, and restrictions have been imposed on the use of water throughout the year. Metering all domestic water supplies has now been decided upon by the City Council with a view to reducing the total consumption of water in the City, and meters are now being installed throughout the City. It has also been decided to raise the walls of the impounding dam at Henley so as to approximately double the capacity of this dam.

(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. The City Council acquired adjoining land, in order to extend the area available for sewage disposal, and the construction of a modern filtration plant is now nearly complete. The City Engineer, Mr. D. Harris, has kindly supplied the following description of these new works:-

Darvill Disposal Works:

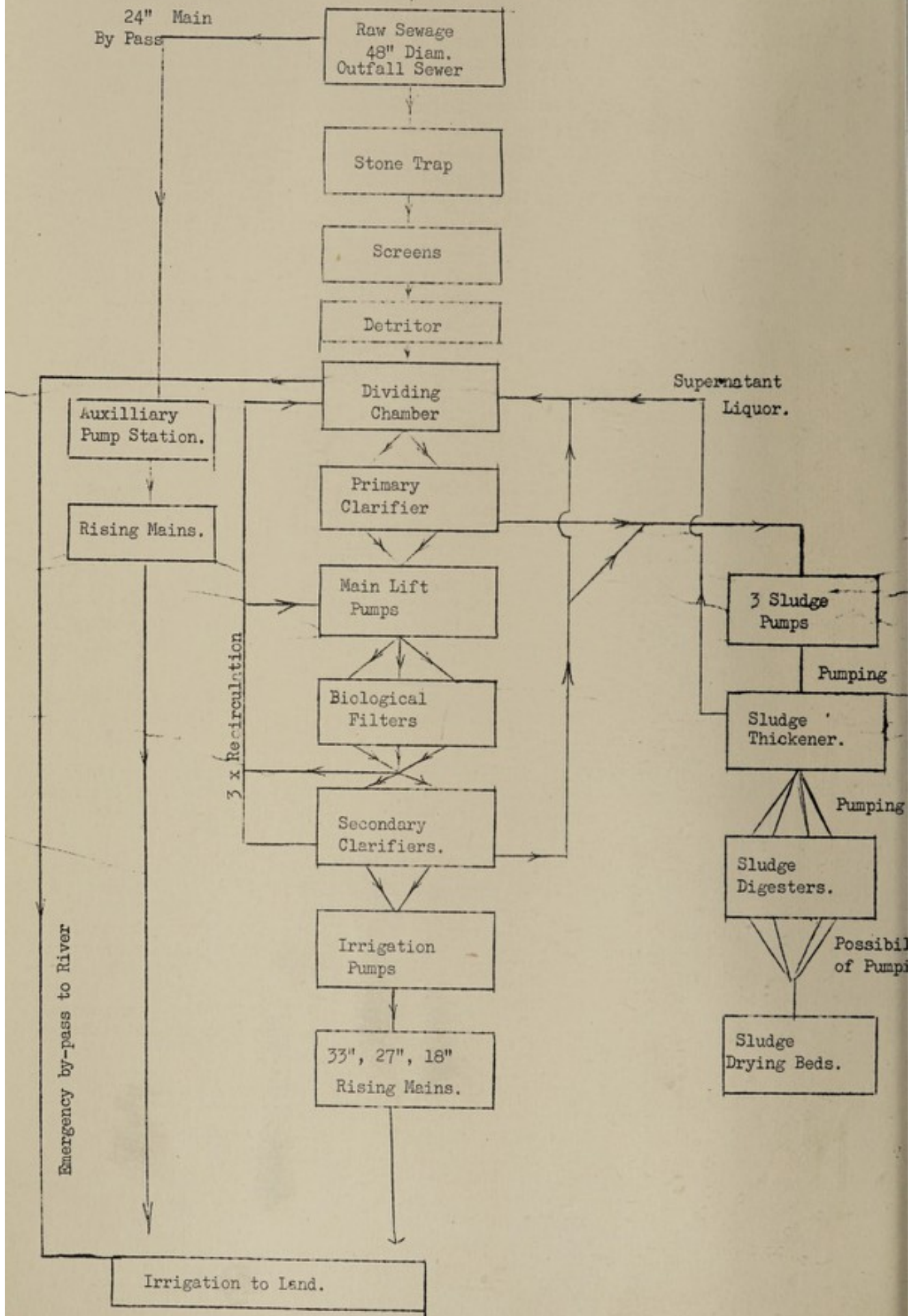




CITY OF PIETERMARITZBURG.

SEWAGE DISPOSAL WORKS.

FLOW SHEET.



DARVILL DISPOSAL WORKS : PIETERMARITZBURGINTRODUCTION:

The new Sewage Disposal Works, when completed will give full treatment to approximately 4,000,000 gallons of raw sewage per day - the present dry weather flow - but when all the extensions have been built, it will be possible to handle 16,000,000 gallons per day. Basic purification processes for the effluent are screening, disintegration and settlement of solids and biological filtration of the effluent with 3 : 1 recirculation of final effluent; and for the sludge, thickening with subsequent digestion in heated digesters and eventual drying on suitable drying beds.

The treatment processes are discussed briefly below. The plant has been supplied by Messrs. E.L. Bateman of Johannesburg who are agents for DORCO equipment. When reading the following brief description, reference should also be made to the accompanying flow diagram and general layout plan.

RAW SEWAGE TREATMENT:

(i) Main Outfall Sewer: 48" diameter concrete pipe capable of delivering $34\frac{1}{2}$ m.g.d. The present average dry weather flow is about $3\frac{1}{2}$ m.g.d. but during heavy storms, the peak flow is in excess of 22 m.g.d. This increase is due to rain water entering the sewer from washing areas, illegal connections and infiltration of ground water. The average strength of raw sewage is 300 - 350 p.p.m. B.O.D. (as measured by the 5 day Biological Oxygen Demand Test).

(ii) Stone Trap: The sewage first flows over a stone trap from which the stones are removed manually and conveyed by coco-pan to a dump.

(iii) Screens: There is at present one screen ($\frac{3}{4}$ " bar openings) operated by an automatic mechanical raking mechanism and a hand raked screen which is used as a standby only. This will later be replaced by a duplicate of the original screen. The screenings are disintegrated and returned to the raw sewage.

(iv) Detritor: After passing through the screens the velocity of sewage is reduced to one f.p.s. in order to settle out the grit which is raked to a low point by rotating rakes and then raised by an elevator into a cocopan. Provision has also been made to return to the effluent any organic material dropped in the detritors.

Provision has been made to duplicate this unit. After passing through the detritor, the sewage flows to a dividing box which equally divides the flow to each clarifier.

(v) Primary Clarifiers: There are two primary clarifiers but provision has been left for three more to cater for increased flows. Each clarifier is 100 feet in diameter, 13'6" deep and has an approximate capacity of 750,000 gallons - the average retention period will be about two - three hours.

The unsettled sewage flows (from the dividing box) up the steel centre column surrounded by a steel baffle and then flows slowly radially outwards over a weir into a concrete launder at the side of the tank. Adjacent to the weir is a scum baffle. The solids settle to the floor and are raked centrally to a sludge box by two rotating arms. The sludge flows by hydrostatic pressure to the sludge pump station pump. (Alternatively it can be removed by direct suction from the sludge pumps). One rotating arm has a scraper at the surface of the effluent to remove the scum caught behind the baffle. This scum passes to a manhole adjacent to the clarifier and is removed by suction from the sludge pumps.

(vi) Main Lift Pumps: (Recirculation Pumps) The effluent flows by hydrostatic pressure from the primary clarifiers to the settled effluent sump (capacity 110,000 gallons). Further mixing with final effluent also takes place here before the effluent is pumped on to three biological filters via a dividing box which distributes the effluent equally to each bio-filter. There are three main lift pumps each capable of delivering 8 million gallons per day - provision has been left for two more pumps.

(vii) Biological Filters: There are three existing filters 175 feet in diameter, and 5'6" deep filled with 1,500 cubic yards of stone between $2\frac{1}{2}$ " and 4". The filters will be dosed at a rate of 270 gals/cub. yd/day with settled sewage



sewage only (total dosing will be about 1,000 gals/cub.yd /day). Provision has been left for 5 additional filters of similar size.

(viii) Secondary Clarifiers: There are two secondary clarifiers - similar in size and operation to the primary clarifiers - provision has been left for 3 more. The sewage flows by gravity from the biofilters to these clarifiers via a dividing box which has been arranged so that all clarifiers can be by-passed or the flow to any particular clarifier cut-off. The recirculation effluent is obtained from an 18" diameter pipe situated below the launder of the secondary clarifiers.

The volume of recirculation effluent is automatically controlled by a sluice gate which is operated by the level of the effluent in the settled effluent sump. When the level drops in this sump the gate lifts allowing more recirculation effluent to flow through which in turn raises the effluent level in the sump. The opposite occurs when the level becomes too high in the sump. The final effluent, not required for recirculation purposes, flows into the irrigation sump of the main pump station.

As with the primary clarifiers the sludge is scraped to a centre pocket from where it is returned either to the unsettled effluent or the sludge thickener.

(ix) Irrigation Pumps: On the opposite side to the main lift pumps in the main pump house building are the irrigation pumps and the irrigation sump (capacity 190,000 gallons). There are three rising mains, viz. 33" diameter, 27" diameter and 18" diameter, required to deliver final effluent for irrigation purposes to different parts of the sewerage farm. This effluent is used for irrigating about 150 acres of poplars, 130 acres of maize and about 10 acres of osiers - total area of farm about 1,000 acres.

Irrigation Pumps	1 existing and 1 future 2 m.g.d. each pumping into an 18" diameter main (head 100').
	2 existing viz. 4 and 10 m.g.d. pumping into a 28" diameter main (head 70').
	1 present and 1 future 8 m.g.d. each pumping into a 33" main (head 40').

C. SLUDGE TREATMENT:

(i) Sludge Thickener combined with Sludge Pump Station.

The function of the sludge thickener is to remove supernatant liquor from the sludge thus causing a corresponding reduction in volume of sludge to be treated. On the basis of this it was decided to reduce the number of digesters - the four secondary digesters were not built.

The thickener is a circular tank 45 feet in diameter and about 10 feet deep. The supernatant liquor flows into an overflow launder and is returned to the unsettled sewage while the thickened sludge settles to the bottom.

The sludge pump station has been sited below the thickener and contains 3 DORRCO DUPLEX piston pumps. The sludge from the clarifiers (both primary and secondary - if desired) flows to the sludge sump from where it is pumped into the thickener. After thickening the thickened sludge is pumped to the digesters.

(ii) Digesters: There are four digesters each 45 feet in diameter covered with a R.C. dome roof and 20 feet high (capacity 30,000 cubic feet). The digesters are heated by hot water. This is in turn heated by burning the gas formed during digestion of the sludge in special burners. The contents of the upper half of the digester are well mixed through the action of a turbine pump fitted in the centre of the digester. Such circulation of the sludge prevents formation of a scum layer and accelerates digestion by seeding the raw sludge with partially digested sludge.

(iii) Sludge Drying: Thirty two sludge drying beds each 40' x 15' are at present under construction but provision has been left to increase the number as and when required. The digested sludge can flow by hydrostatic pressure to the beds, or if too thick, provision has been left to pump this sludge. After drying the sludge will be removed by monorail to the compost pits or to the loading bags for loading on to trucks.

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(9) MEAT SUPPLIES (See pages 61-62).

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. 119 Inspections of butchers' shops were made. A list of meat, fish and fowl condemned after inspection is shown on pages (58-60).

The Abattoir Manager reports that during the year 51,541 animals were slaughtered, an increase on the 1955 total of 47,973. 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 has been completed. The siding is working satisfactorily. 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. Tenders for the Abattoir extensions were invited during the year and work is expected to commence early in 1957, on the extensions of the hanging and slaughtering hall, and the provision of cold storage. It is anticipated that these extensions will solve many of the difficulties now being experienced in the operation of the Abattoir as a meat market when the auction system was extended to beef this year, a purpose for which this Abattoir was never designed.

ANTHRAX, 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		
	Slaught- tered	% In- fected	% Con- demned	Slaught- tered	% In- fected	% Con- demned	Slaught- tered	% In- fected	% Con- demned
48-49	9,126	5.82	0.97	3,102	4.51	1.90	5,318	2.76	2.08
49-50	10,564	7.16	0.88	3,385	4.66	1.38	6,308	1.37	1.10
50-51	8,364	8.72	1.21	3,113	5.30	1.28	6,445	2.17	1.69
51-52	10,740	8.69	0.94	2,428	5.02	1.35	4,148	3.18	2.60
52-53	11,438	7.03	0.62	2,345	4.64	1.02	2,470	1.65	1.21
54	11,578	9.2	1.5	2,554	3.13	1.3	3,154	1.04	0.9
55	9,271	9.3	1.4	1,643	3.6	1.8	3,385	1.4	1.2
56	13,626	8.7	1.4	1,814	4.4	1.9	3,715	1.0	0.9

(10) MILK SUPPLIES

The milk supply has been carefully controlled throughout the year. It was derived from 41 producer-distributors, of whom 13 are in the Borough, and 28 outside of the Borough, and 83 producers, 6 Borough and 77 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 77% of the milk sold in Pietermaritzburg was pasteurised.

There are 14 cream suppliers, of whom 5 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. 825 Bloods were examined and of these 1 was reported positive. 875 Immunising injections of Typhoid Endotoxoid Vaccine were given to dairy employees.

(11) OTHER FOOD SUPPLIES



(11) OTHER FOOD SUPPLIES (Pages 56-60).

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 58-60). 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 63. Careful attention is paid to storage conditions, particularly to rodent-proofing, and there is a considerable improvement in this connection. 276 Inspections of the Borough Market and 1,600 inspections of other premises manufacturing or handling food were made. (Pages 64-66).

Food and Drugs Act. (Pages 56-57).

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

Milk: 19 Samples: 2 Samples, not in accordance with requirements in regard to Solids-Non-Fat, were between 8% and 8.5%.

Ice Cream: 5 Samples: All in accordance with standards laid down.

Cream: 8 Samples: All in accordance with standards laid down.

Mince Meat: 12 Samples: All in accordance with standards laid down.

Sausage: No samples.

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.

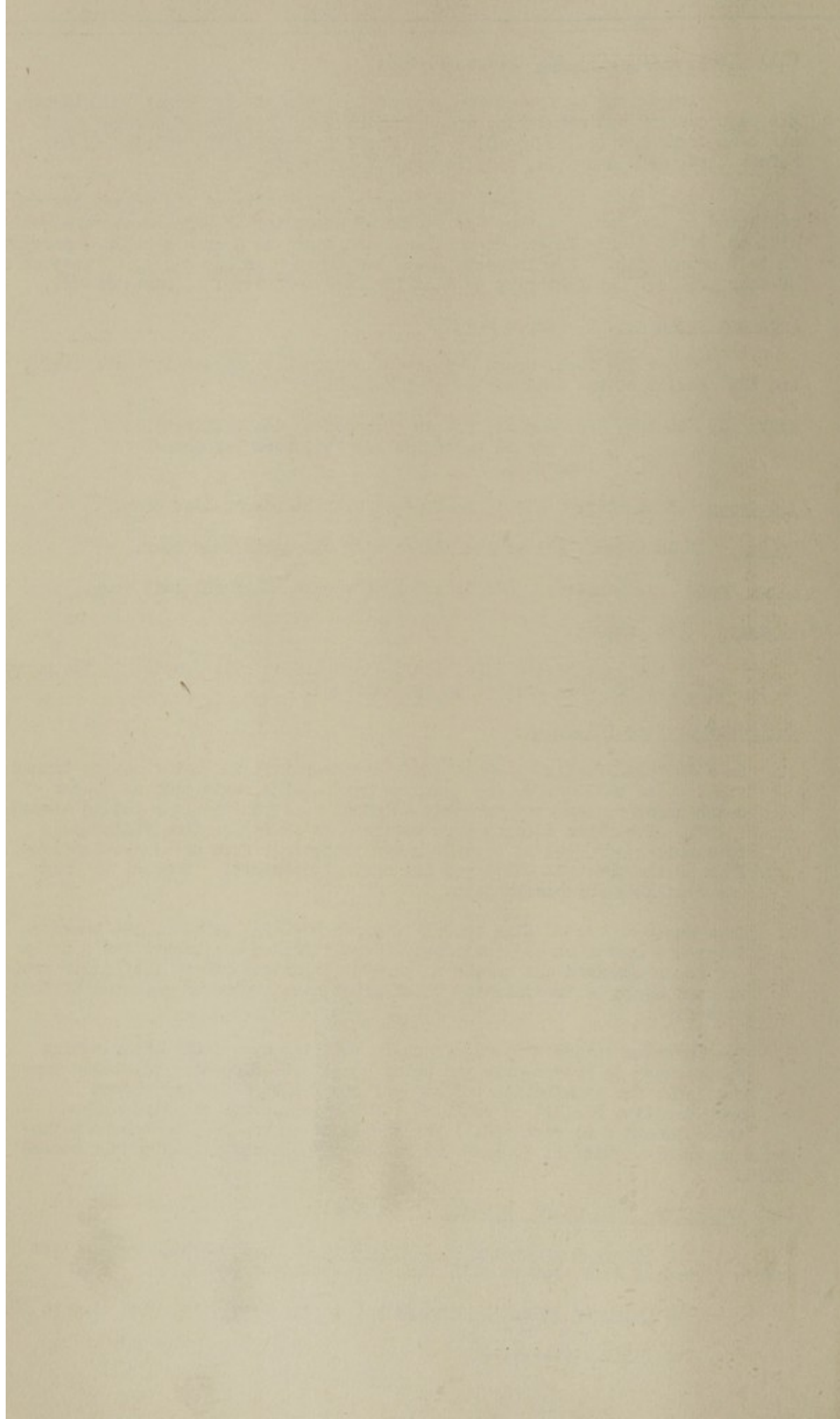
1. In a Coloured family, 1 adult and 3 children fell ill after eating tinned fish. One child died, the cause of death being registered as "Cause of death undetermined, but probably Salmonella poisoning after eating tinned fish". The other 3 cases were notified as suffering from "Salmonella food poisoning", but no organisms were recovered from stool examinations. None of the patients displayed any nervous symptoms. None of the fish was available for examination.
2. In a European Girls' High School 10 girls out of a total of 190 boarders developed diarrhoea and vomiting. Stools from the patients and a number of foods examined all showed no harmful organisms and no particular article of food could be incriminated which might have caused an outbreak of food poisoning.
3. Two European children developed acute vomiting apparently after eating "popsicles" (a frozen coloured water ice). No suspected popsicles were available for examination but others from the same factory showed Gram Negative Bacilli on culture. No other reports of illness from these sweets were received. The stools of one child revealed no pathogenic organisms, while B. Proteus was recovered from the stools of the second child.

(12) MATERNITY AND CHILD WELFARE (Page 55).

The European Infantile Mortality Rate of 26.3 was higher than last year's figure of 21.1, but is still fairly satisfactory.

The Coloured Infantile Mortality Rate improved, viz. from 51.0 to 40.5.

The Native/



(12) MATERNITY AND CHILD WELFARE Cont'd.

The Native Infantile Mortality Rate was 61.8, an improvement on last years figure of 76.3. 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 36-37.

In Europeans prematurity accounted for $\frac{1}{3}$ of the Infantile deaths. Diarrhoea and Enteritis was the chief cause of Non-European Infantile Mortality, with Bronchitis and Pneumonia second, and Prematurity third.

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 55.

Diphtheria immunisation was continued as one of the important activities of the Infant Welfare Clinics, a total of 1,443 children being immunised, (European 398; Native 257; Coloured 156; Asiatic 632), as compared with 2,493 last year.

Of the total given above 246 European, 91 Native and 57 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 11). All Diphtheria immunisation was suspended during the Poliomyelitis outbreak this year and this accounted for the considerable drop in the total immunised.

Child Welfare Clinic attendances were as follows:-

	<u>European</u>	<u>Native</u>	<u>Coloured</u>	<u>Asiatic</u>
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
1955	5,926	7,023	1,984	6,012
1956	7,034	7,764	1,984	6,514

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

Successful Vaccinations (under 2 years) :	283
" " (over 2 years) :	51
Insusceptible to Vaccination (under 2 years) :	7
" " " (over 2 years) :	0
Exempted :	6

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

Eur. 306; Nat. 245; Col. 149; As. 507; Total: 1,207.

Maternal Mortality.

1 Coloured death was recorded from Haemorrhage during Childbirth.

The/



(12) MATERNITY AND CHILD WELFARE Cont'd.Maternal Mortality Cont'd.

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 to the new Edendale Hospital. Native District Midwifery is carried out by the Municipal Native Midwife in the Sobantu Village, and is increasing because the distance of the new Edendale Hospital from the Sobantu Village makes Native mothers reluctant to go to hospital for their confinements.

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

Borough cases:Ante-Natal Clinic Attendances:

Europeans : 1,712
Coloureds : 1,297
Asiatics : 5,110
TOTAL : 8,119

District Midwifery Visits:

Europeans : 934
Coloureds : 746
Asiatics : 5,914
TOTAL : 7,594

The Municipal Native Midwife conducted 76 confinements and paid 781 confinement visits.

In addition, an Ante-Natal Clinic was held for these patients:-

No. of Patients	Ante-Natal Attendances	W.R.'s taken	W.R.'s Positive
160	576	150	8

15 Patients were sent to hospital for confinement because of abnormalities of labour.

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 12 confinements. 2 Midwife's bag inspections were made.

(13) BY-LAW NOTICES AND PROSECUTIONS (Pages 64-67).

1,477 Notices and formal letters were served regarding breaches of the Borough By-Laws. 18 Prosecutions were initiated in the Magistrate's Court, as detailed on page 67.

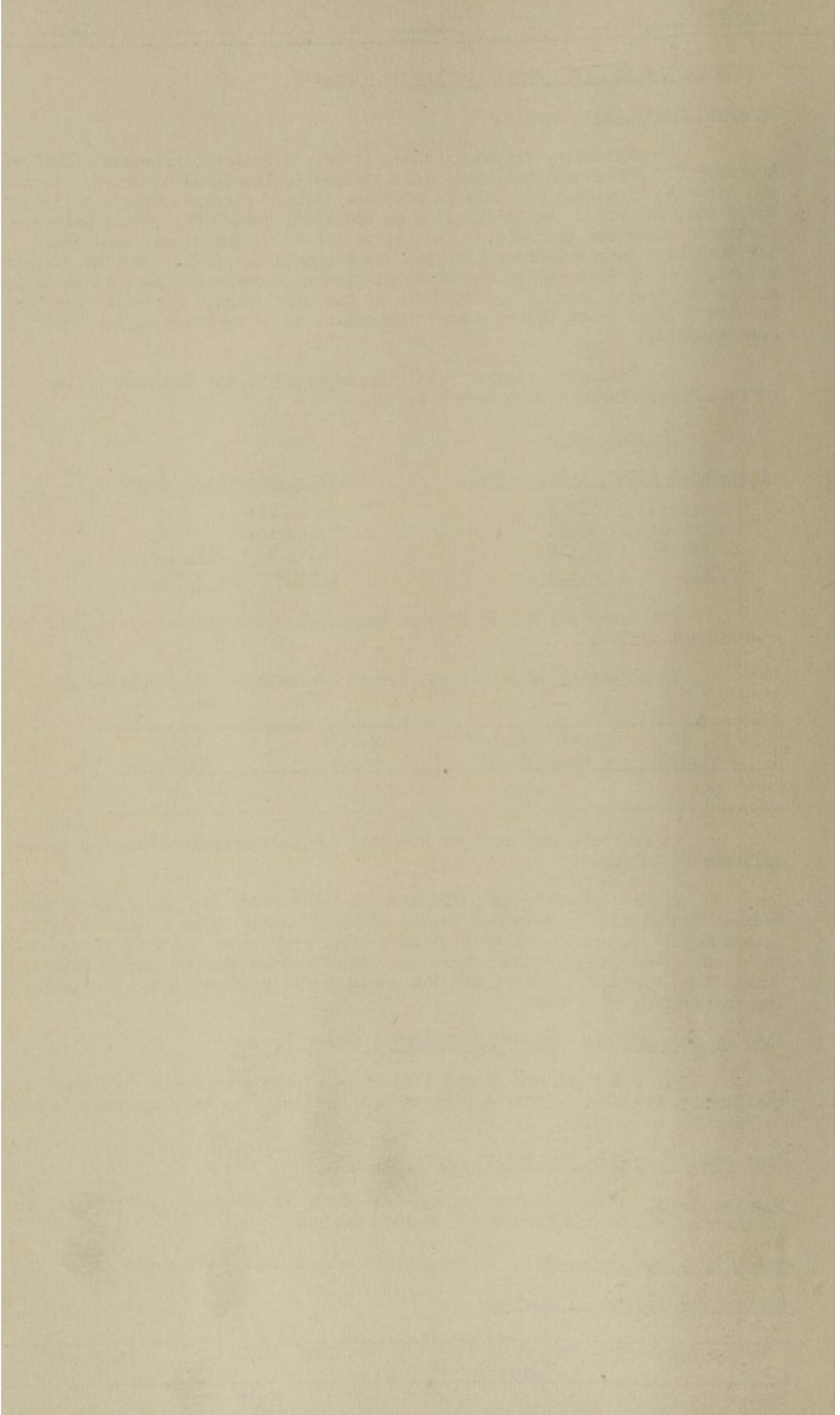
(14) OTHER MATTERS OF HEALTH AND SANITATION.

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

Complaints from Burgesses: 95 Complaints were received and dealt with.

Medical Examination of Natives:

Number Examined	Rejected (All Causes)	Rejected V.D.	Vaccinated
Male : 27,478	105 : 0.4%	37 : 0.13%	
Female : 55	0 : 0	0 : 0	
<u>TOTAL</u> : 27,533	105 : 0.4%	37 : 0.13%	551



(14) OTHER MATTERS OF HEALTH AND SANITATION Cont'd.Other Reasons for Rejection:

Scabies	:	Male	:	67;	Female	:	0.
Other Causes	:	Male	:	1;	Female	:	0.

The number of Native female domestic servants coming forward for voluntary examination remains low. Every person appearing at the Pass Office who does not possess evidence of successful vaccination, is vaccinated. A Miniature X-Ray is taken of every person whose chest appears to be clinically abnormal.

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.

Number of New Patients attending Dispensary	:	1,414
Re-attendances at Dispensary	:	122
Home Visits	:	2,785
Surgical Dressings	:	8,966

Health Propaganda:

Through the medium of the Electric Light accounts a pamphlet "Poliomyelitis Precautions" in English and Afrikaans was issued to every house in the City. Posters on Diphtheria Immunisation were also placed in the Municipal buses.

(15) STAFF

The Staff of the Department at December 31st, 1956, was as follows:-

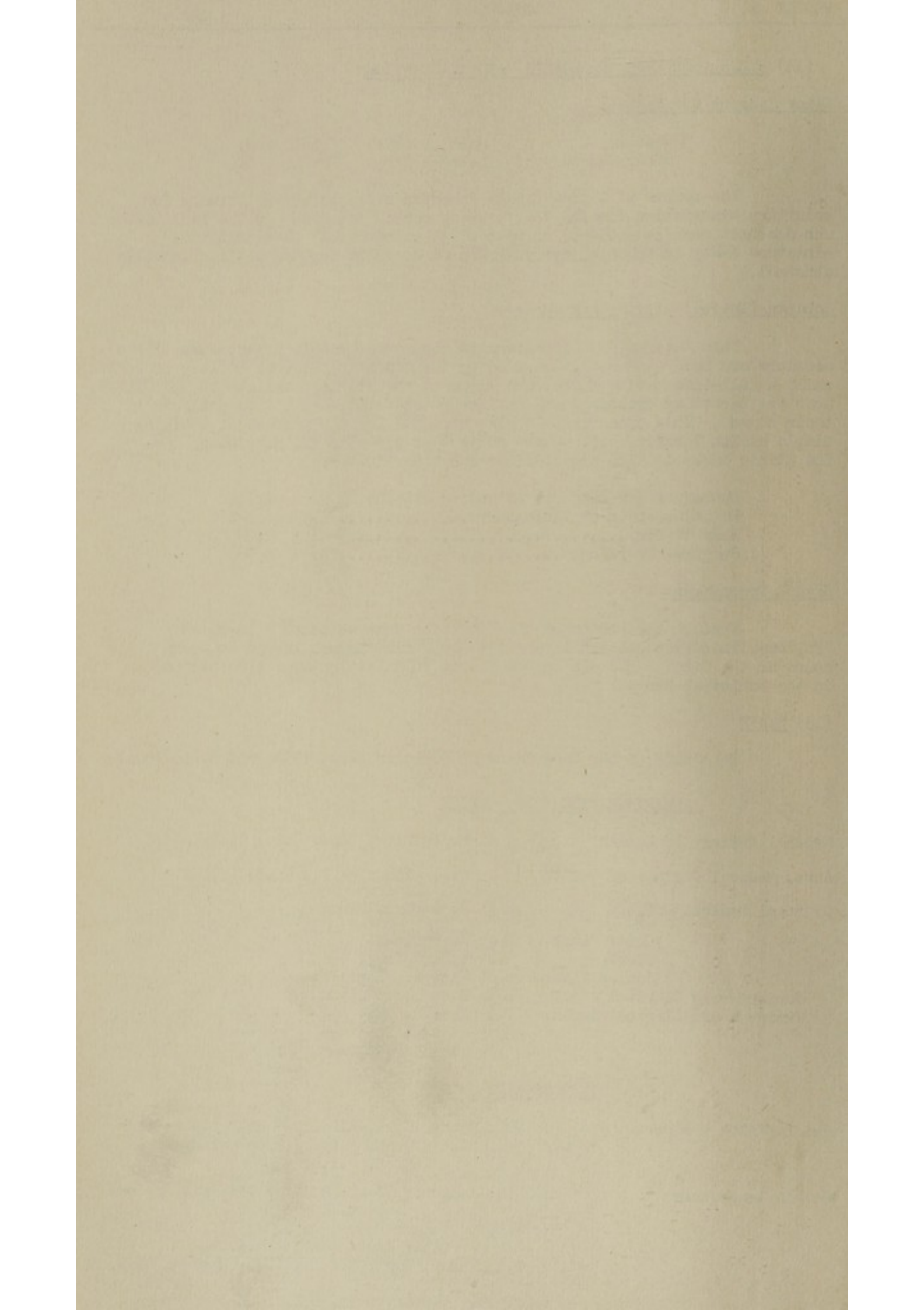
ADMINISTRATIVE AND OFFICE

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. Pastow
Clerk	:	E.D. Gafney
Junior Clerk	:	Miss Y. Wiggill
Senior Woman Clerical Asst.	:	Miss E.M. Hughes
Junior Woman Clerical Assts.	:	Mrs. D. Cox
	:	Miss M. Hattingh
	:	Miss Y.W. Gafney

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.E.J. van der Merwe, Cert. R.S.I., Meat & Other Foods Cert. R.S.I.
	:	G.A. Eudey, Cert. R.S.I., Trop. Hygiene Cert. R.S.I.
	:	C.L.O. Iversen, Cert. R.S.I., Meat & Other Foods Cert. R.S.I.

Malaria Officer/



(15) STAFF Cont'd.INSPECTORATE

Malaria Officer : R.F. Fryer.
 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.
 : Mrs. I. Ellis, Health Visitor's Cert. R.S.I.;
 Reg. Mental Nurse, S.A.N.C.
 Clinic Sister (temporary) : Mrs. B.A. Mitchell.
 Clinic Clerk : Mrs. A.C. Ferguson.
 Native Health Visitor : Celiwe Ngema, Health Visitors Cert. R.S.I.

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 : G. Rodolo, T. Butelezi and G. Vengeni.

ISOLATION HOSPITAL

Matron : E. Harrison.
 Sisters : A.E. Konstam, A.E. Spies, Vacant.
 Night Sister : K.E. Koon.
 Probationer Nurses : M. Piek, A.S. du Toit.
 1 Housekeeper : J.M. Ritchie.
 14 Domestic Servants
 1 Native Night Watchman

NON-EUROPEAN INFECTIOUS DISEASES HOSPITAL

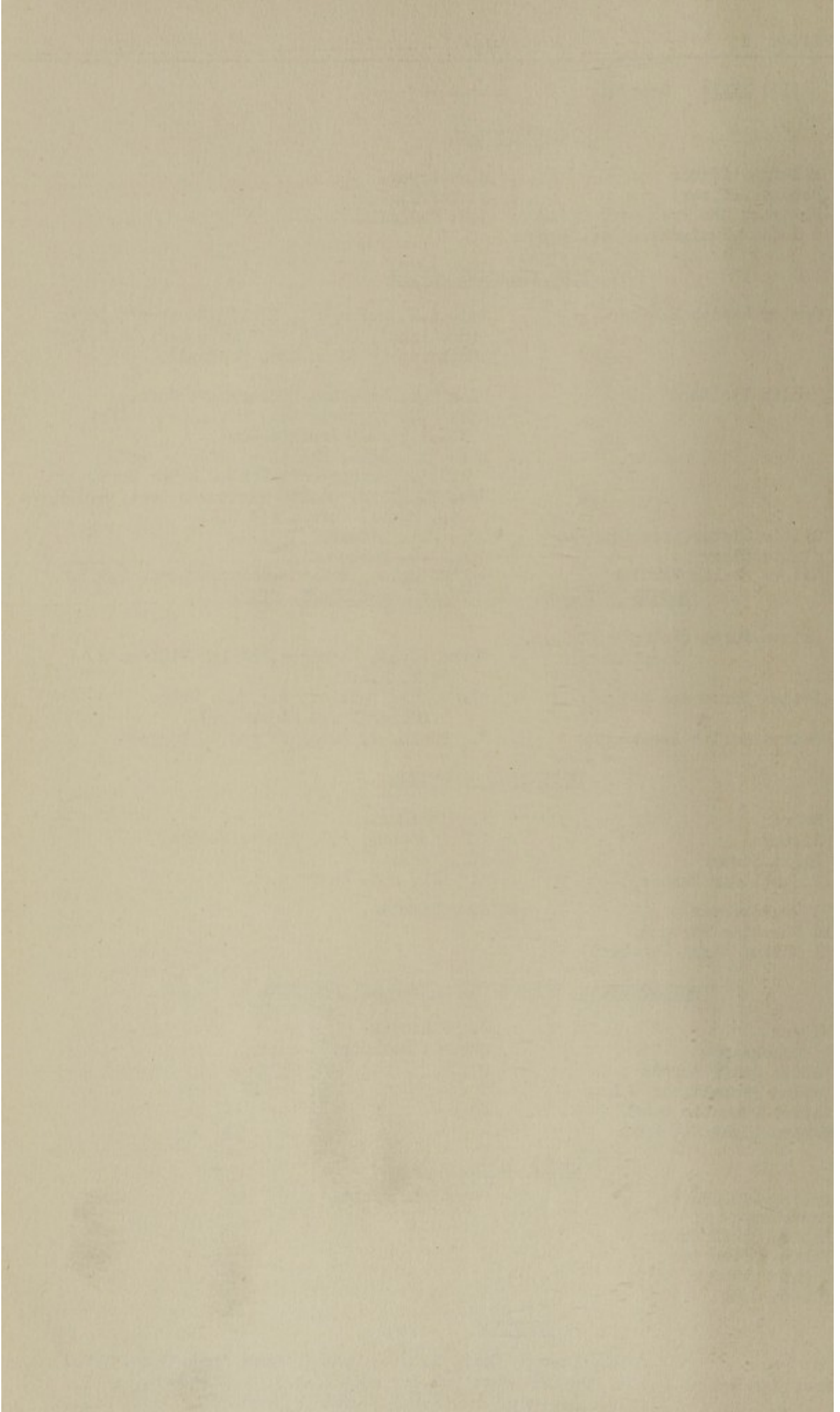
Matron : C. Le Steers.
 1 Housekeeper : Mrs. A. Roberts.
 Native Staff Nurses : 8
 Native Probationer Nurses : 5
 Native Domestic Staff : 22
 Native Night Watchman : 1

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. Dreyer; Cert. R.S.I.; Meat & Other Foods Cert. R.S.I.
 : E.R. Lupton; Cert. R.S.I.; Meat & Other Foods Cert. R.S.I.
 Clerk : Position Vacant.
 Stockyard Foreman : N.J. Kriel.



REPORT B.(1) HOUSING.

The City Council built 29 Houses for Europeans at Riverbend, and 190 houses at the Sobantu Village for Natives.

Powers under the Borough By-Laws have been exercised sparingly in dealing with insanitary dwellings, owing to the acute housing shortage. 11 Dwellings were condemned for demolition under Public Health By-Law 19(b), (10 of these being demolished by the end of the period under review), and 12 dwellings were voluntarily demolished mostly to make way for new buildings. Most of the buildings demolished were insanitary back yard shacks occupied as dwellings by Natives.

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
1956	470	120	46	71	678

New Buildings.

The City Engineer reports that 188 dwellings and 262 flats were completed for Europeans, 14 dwellings and 65 flats for Asiatics, and 2 dwellings for Natives. This is in addition to the Council building detailed above.

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

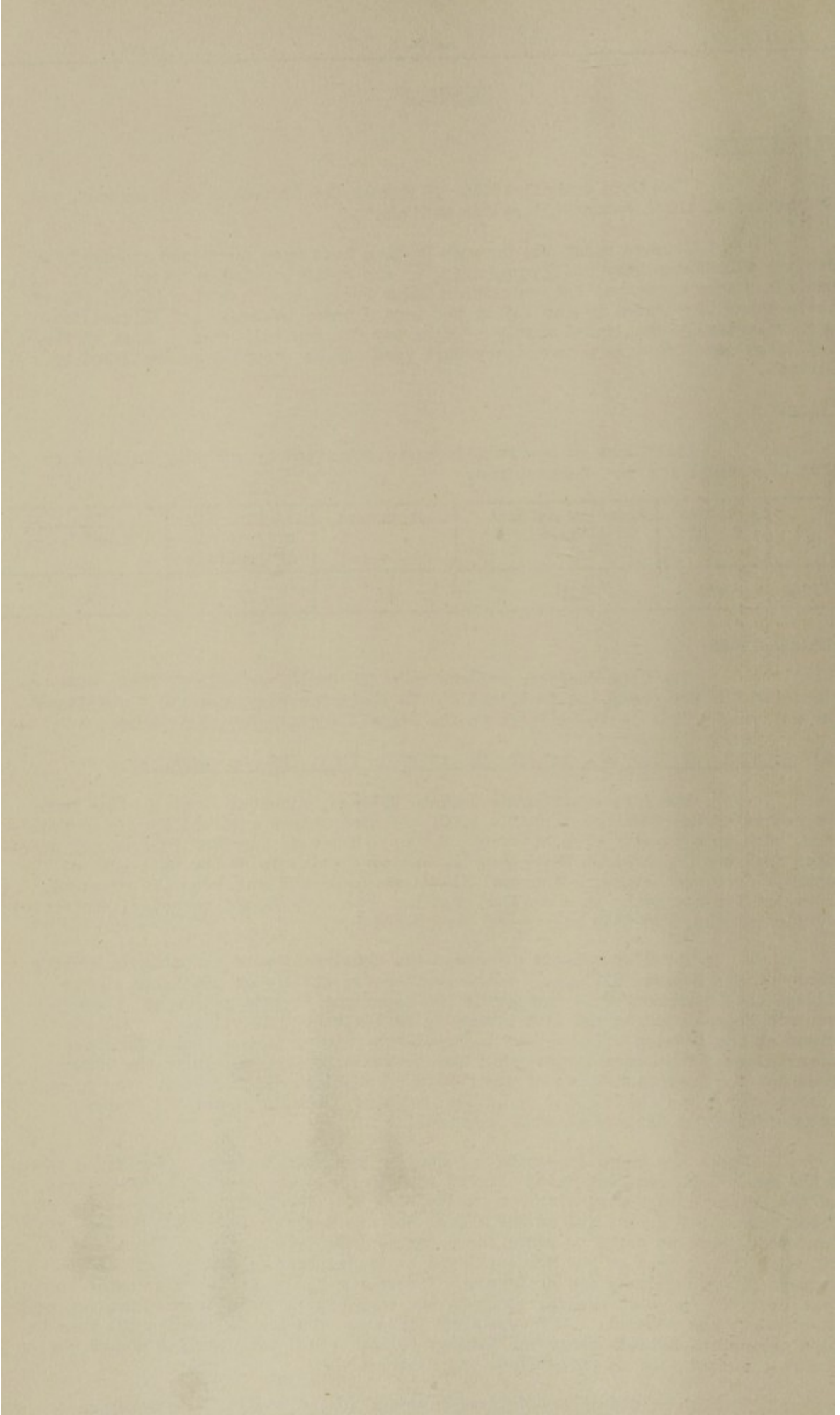
The Pietermaritzburg Sobantu Village, situated about 3 miles from the centre of the Town now contains 1,001 occupied houses and various public buildings, with an estimated population of 7,500. Water is supplied by communal stand-pipes from the Corporation Water Supply, and sanitation is by the pail system, separate from 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 commenced the construction of an Economic Housing scheme at the Sobantu Village. Although there is still room available at the village the Government will not permit the extension of this scheme and these Economic Houses will be the last houses to be built at this village. All the houses at the Sobantu Village have been built by Native labour, under European supervision. The Council must now find another site approved under the Group Areas Act for further housing of its Native population, and has under consideration a scheme for a new Native Village at Slangerruit. The Corporation's hostel accommodation for Natives remains unchanged.

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 115. The Women's Hostel in Church Street houses 300 women, and an additional Women's Hostel housing 200 Natives has been established at Cribi 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. 697 Temporary Licences were granted during the year to house unexempted Natives under the Natives (Urban Areas) Act, pending the provision of more accommodation at the Village and Hostels.

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

These/



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: 1,994 Houses and 672 Flats.
- (2) Natives:
 - a) 631 Houses and 54 Flats.
 - b) Accommodation for 23 persons - aged and indigent Natives.
 - c) Additional Hostel accommodation for Native Males.
- (3) Coloureds: 28 National (Sub-economic) Houses.
- (4) Asiatics: 215 Houses and 79 Flats (including 75 Sub-economic and National Houses).

New Council Housing Schemes:

A scheme for 29 European Economic houses was completed in 1956.

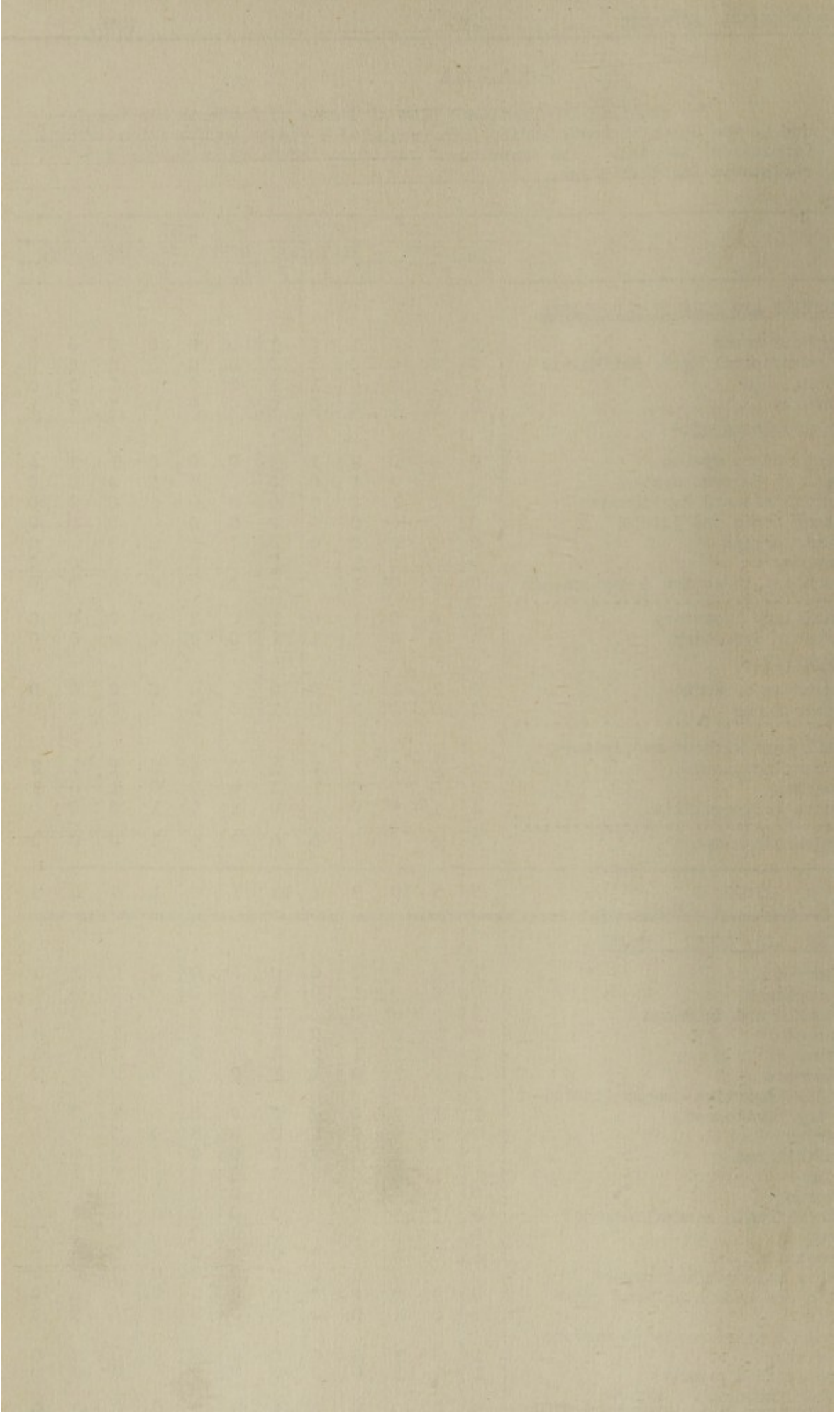
A scheme for 50 'economic' houses for Coloureds adjoining the present Coloured 'national' housing scheme in Fitzsimmons Road was commenced during 1955 and is nearing completion.

A Housing Scheme for 114 'National' houses and 100 'Economic'

DEATHS

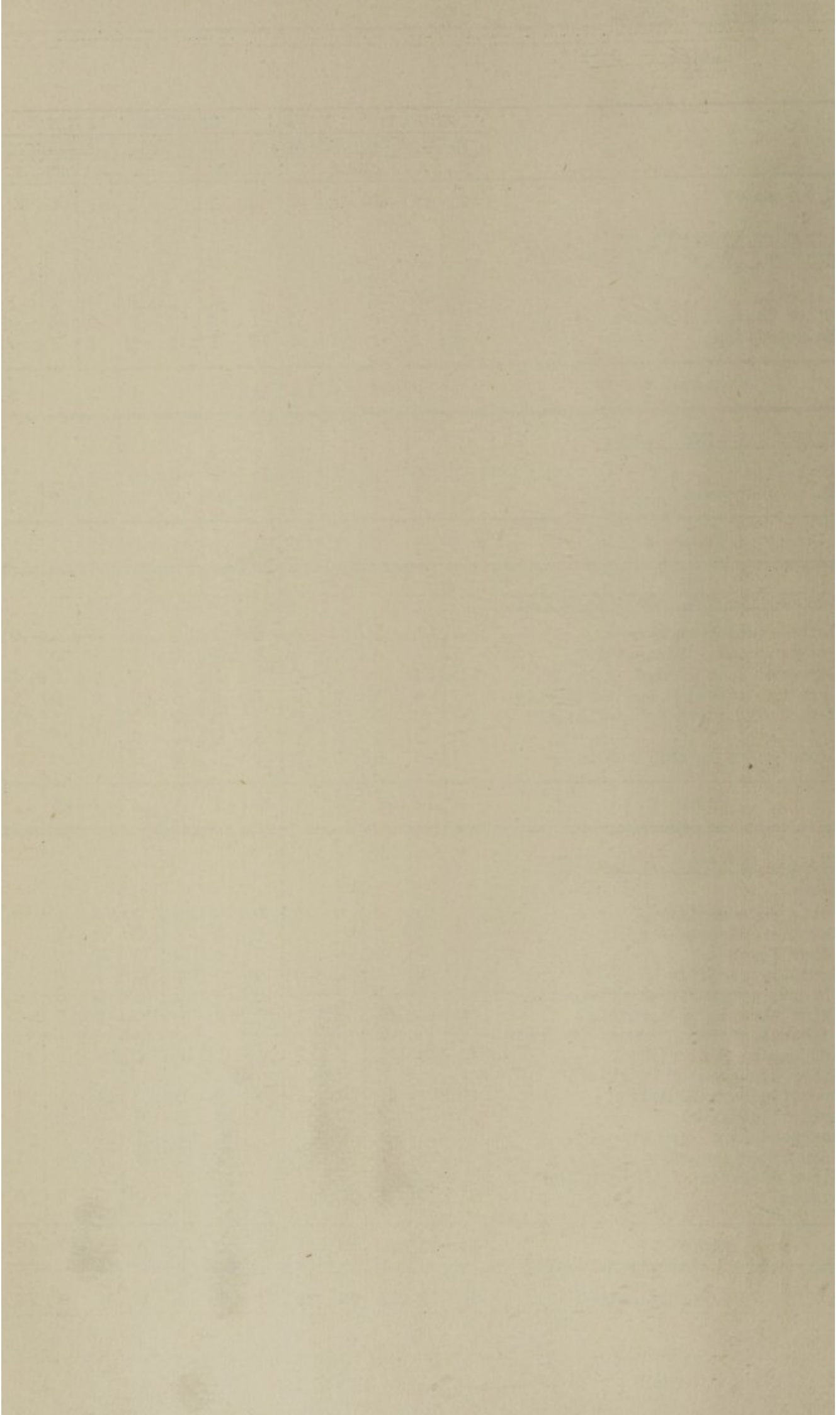
The detailed International List of Causes of Death as adapted for use in the Union of South Africa (5th Decennial Revision by the International Commission) is used. The omission of any cause indicates no deaths were registered for that cause.

	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.												
01. Typhoid Fever	0	0	0	1	0	1	0	0	0	0	0	0
08. Cerebrospinal Mgc. Meningitis	0	0	0	0	0	0	0	0	0	0	0	0
12. Diphtheria	1	1	2	0	1	1	0	0	0	0	0	0
14. Tetanus	0	0	0	0	0	0	0	0	0	1	0	1
Tuberculosis of:-												
15. Respiratory system	0	0	0	2	1	3	0	0	0	1	3	4
16. Central Nervous system	0	0	0	0	0	0	0	0	0	0	0	0
17. Intestines and Peritoneum	0	1	1	0	0	0	0	0	0	0	0	0
19. Other bones and joints	0	0	0	0	0	0	0	0	0	0	0	0
23. Other organs	0	0	0	0	0	0	0	0	0	0	0	0
26. Leprosy	0	0	0	1	0	1	0	0	0	0	0	0
27. Purulent infection & septicaemia	0	0	0	1	0	1	0	0	0	0	0	0
32. Bacillary dysentery	0	0	0	1	0	1	0	0	0	0	0	0
33. Amoebic dysentery	0	0	0	1	1	2	0	0	0	0	0	0
Syphilis:-												
42. Aneurysm of Aorta	0	2	2	0	0	0	0	0	0	0	0	0
44. Other forms	0	0	0	1	0	1	0	0	0	0	0	0
49. Influenza without respiratory complications	0	0	0	1	0	1	0	0	0	1	1	2
52. Measles	0	0	0	0	1	1	0	0	0	1	0	1
53. Acute Poliomyelitis	4	1	5	0	0	0	1	0	1	0	0	0
75. Hodgkin's Disease	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL : GROUP I	5	5	10	9	4	13	1	0	1	5	4	9
2) CANCER AND OTHER TUMOURS.												
100. Pharynx	3	0	3	0	0	0	0	0	0	0	1	1
101. Oesophagus	0	0	0	1	0	1	0	0	0	0	0	0
102. Stomach and duodenum	3	3	6	0	1	1	0	0	0	1	0	1
103. Rectum	0	2	2	0	0	0	0	0	0	2	0	2
104. Liver	1	0	1	1	0	1	0	0	0	1	0	1
105. Pancreas	1	0	1	0	1	1	0	0	0	0	0	0
106. Other digestive organs (including peritoneum)	1	1	2	0	0	0	0	0	0	2	0	2
107. Larynx	0	0	0	0	0	0	0	0	0	0	0	0
108. Mediastinum	1	0	1	0	0	0	0	0	0	0	0	0
109. Lung	1	1	2	0	0	0	0	0	0	0	0	0
110. Uterus	0	2	2	0	0	0	0	0	0	0	0	0
111. Other female genital organs	0	3	3	0	0	0	0	0	0	0	1	1
112. Breast	0	3	3	0	0	0	0	0	0	0	0	0
113. Prostate	4	0	4	0	0	0	0	0	0	0	0	0
114. Other male genital organs	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
116. Skin	1	0	1	0	0	0	0	0	0	0	0	0
117. Brain & other parts of nervous system	1	0	1	0	0	0	0	0	0	0	0	0
119. Unspecified organs	1	2	3	0	0	0	0	0	0	0	0	0
126. Other unspecified organs (tumours of undetermined nature)	0	0	0	1	0	1	0	0	0	0	0	0
TOTAL : GROUP II	18	17	35	3	2	5	0	0	0	6	2	8
Total G/Forward	23	22	45	12	6	18	1	0	1	11	6	17



DEATHS Cont'd.

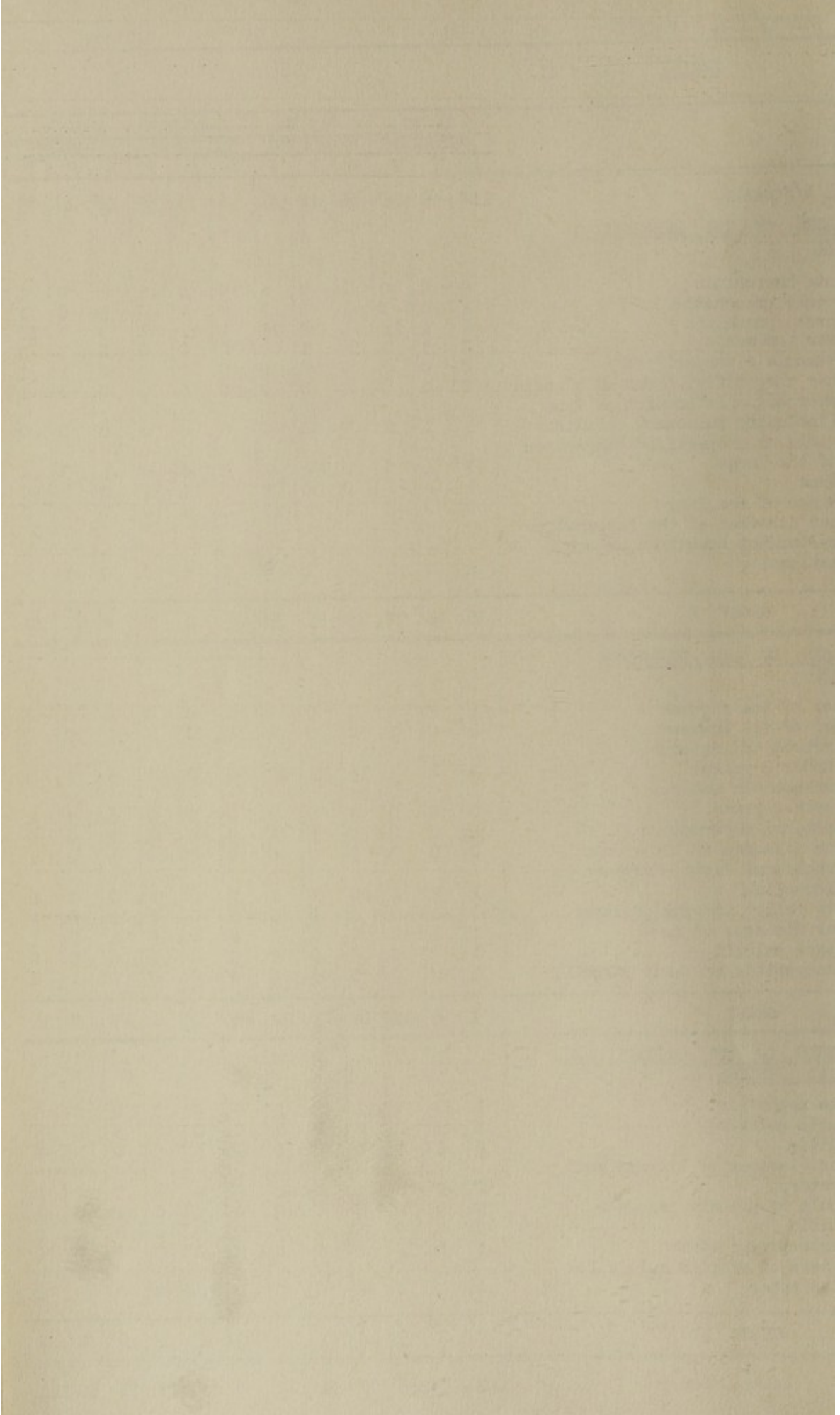
	EUROPEAN			NATIVE			COLOURED			ASIATIC		
	RESIDENTS			RESIDENTS			RESIDENTS			RESIDENTS		
	M	F	P	M	F	P	M	F	P	M	F	P
Total B/Forward	23	22	45	12	6	18	1	0	1	11	6	17
3) <u>RHEUMATISM, DISEASES OF NUTRITION, ETC.</u>												
152. Diabetes	0	6	6	0	0	0	0	0	0	0	1	1
161. Other General diseases	0	0	0	1	0	1	0	0	0	0	0	0
163. Malnutrition	1	0	1	6	4	10	1	0	1	1	1	2
TOTAL : GROUP 3	1	6	7	7	4	11	1	0	1	1	2	3
4) <u>DISEASES OF THE BLOOD.</u>												
207. Leukaemia	1	0	1	1	0	1	0	0	0	0	1	1
209. Splenic Anaemia	0	1	1	0	0	0	0	0	0	0	0	0
TOTAL : GROUP 4	1	1	2	1	0	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	0	0	0	0	0	0
302. Pneumococcal - meningitis	0	1	1	0	0	0	1	0	1	1	0	1
305. Cerebral haemorrhage	9	13	22	5	0	5	1	1	2	4	2	6
306. Cerebral embolism and thrombosis	0	3	3	0	0	0	0	0	0	2	0	2
308. Mental disorders and deficiency	0	0	0	1	0	1	0	0	0	0	1	1
309. Epilepsy	0	0	0	2	1	3	0	0	0	1	0	1
310. Convulsions in children	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL : GROUP 6	9	18	27	8	1	9	2	1	3	8	3	11
7) <u>DISEASES OF THE CIRCULATORY SYSTEM.</u>												
352. Acute endocarditis	0	0	0	0	0	0	0	0	0	0	0	0
353. Valvular disease - rheumatic	3	0	3	0	0	0	0	0	0	0	1	1
354. Other forms	0	0	0	0	0	0	0	0	0	0	0	0
355. Acute myocarditis	2	0	2	0	0	0	0	0	0	0	0	0
356. Chronic myocarditis - rheumatic	1	0	1	0	0	0	0	0	0	0	0	0
357. Other chronic myocarditis	8	4	12	0	2	2	0	0	0	0	0	0
358. Diseases of the coronary arteries and angina pectoris	35	16	51	0	1	1	1	0	1	8	2	10
360. Other diseases of heart not specified as rheumatic	29	27	56	8	8	16	0	0	0	18	11	29
362. Arterio sclerosis	3	1	4	0	0	0	0	0	0	0	0	0
363. Gangrene (inc. cancrumoris)	0	1	1	0	0	0	0	0	0	0	0	0
367. High blood pressure	2	3	5	0	0	0	1	2	3	0	3	3
368. Other diseases of the circulatory system	1	0	1	0	0	0	0	0	0	0	0	0
TOTAL : GROUP 7	84	52	136	8	11	19	2	2	4	28	17	45
Total C/Forward	118	99	217	36	22	58	6	3	9	48	29	77



DEATHS

Cont'd.

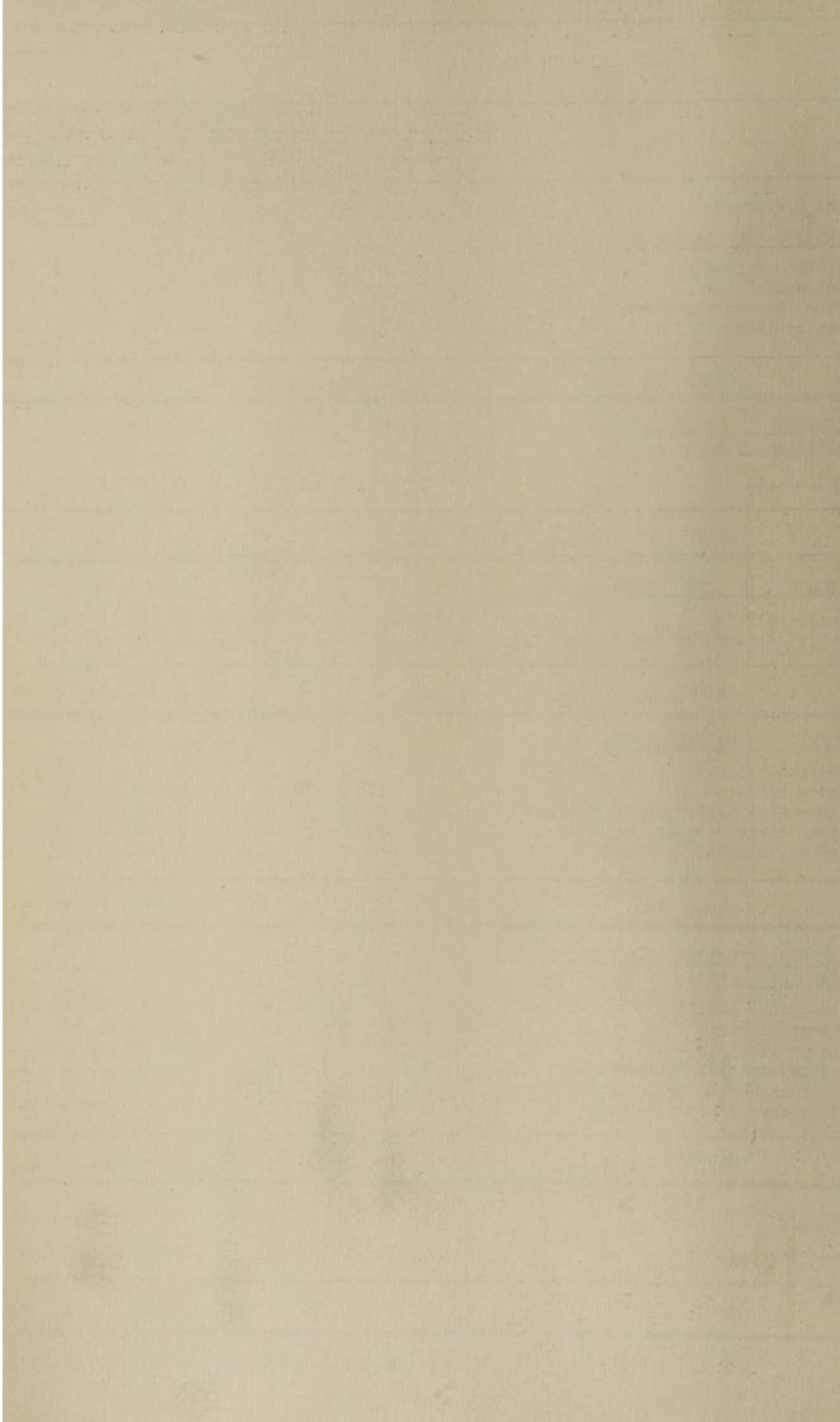
	EUROPEAN RESIDENTS			NATIVE RESIDENTS			COLOURED RESIDENTS			ASIATIC RESIDENTS		
	M	F	P	M	F	P	M	F	P	M	F	P
Total B/Forward	118	99	217	36	22	58	6	3	9	48	29	77
8) <u>DISEASES OF THE RESPIRATORY SYSTEM</u>												
402. Acute bronchitis	0	0	0	1	3	4	0	0	0	1	0	1
403. Chronic bronchitis	1	0	1	1	0	1	0	0	0	1	0	1
404. Broncho pneumonia	6	4	10	8	8	16	1	1	2	3	7	10
405. Lobar pneumonia	2	3	5	6	1	7	0	0	0	2	1	3
406. Pneumonia - unspecified	0	0	0	0	0	0	0	0	0	0	1	1
408. Other unspecified forms of pleurisy	0	0	0	0	0	0	0	0	0	0	1	1
409. Haemorrhagic infarction of lung (including pulmonary embolism)	1	1	2	0	0	0	0	0	0	0	0	0
410. Chronic or unspecified congestion of the lungs	3	4	7	0	2	2	0	0	0	1	3	4
411. Asthma	1	0	1	0	0	0	0	1	1	0	0	0
417. Abscess of the lung	0	0	0	2	1	3	0	0	0	0	0	0
418. Other diseases of the respiratory system not specified as occu- pational	1	0	1	0	0	0	0	0	0	0	1	1
TOTAL : GROUP 8	15	12	27	18	15	33	1	2	3	8	14	22
9) <u>DISEASES OF THE DIGESTIVE SYSTEM</u>												
455. Ulcer of the stomach	0	0	0	0	0	0	0	0	0	0	0	0
456. Ulcer of the duodenum	1	0	1	0	0	0	0	0	0	0	0	0
458. Diarrhoea and enteritis (under 2 years)	3	2	5	16	11	27	0	0	0	5	3	8
459. Diarrhoea and enteritis (over 2 years)	0	0	0	3	0	3	0	0	0	1	3	4
463. Intestinal obstruction	0	0	0	0	1	1	0	0	0	0	0	0
465. Other diseases of intestines	0	0	0	0	0	0	0	0	0	1	0	1
467. Cirrhosis of liver - without alcoholism	1	3	4	0	1	1	1	0	1	0	0	0
468. Acute yellow atrophy of liver	0	0	0	0	0	0	0	0	0	1	0	1
469. Other diseases of liver	1	1	2	0	0	0	0	0	0	1	0	1
470. Biliary calculi	1	0	1	0	0	0	0	0	0	0	0	0
471. Cholecystitis (without calculi)	0	0	0	0	0	0	0	0	0	0	1	1
TOTAL : GROUP 9	7	6	13	19	13	32	1	0	1	9	7	16
10) <u>DISEASES OF THE URINARY AND GENITAL SYSTEMS</u>												
500. Acute nephritis	1	0	1	1	1	2	0	0	0	0	0	0
501. Chronic nephritis	1	1	2	2	0	2	0	0	0	5	0	5
503. Pyelitis	2	1	3	0	0	0	0	0	0	0	0	0
504. Other diseases of kidneys and ureters	2	0	2	1	0	1	0	0	0	0	0	0
505. Calculi of urinary passages	0	0	0	0	0	0	0	0	0	1	0	1
506. Cystitis	0	0	0	0	0	0	0	0	0	0	0	0
509. Hypertrophy prostate	1	0	1	0	0	0	0	0	0	0	0	0
512. Diseases of ovaries and fallo- pian tubes	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL : GROUP 10	7	2	9	4	1	5	0	0	0	6	0	6
Total C/Forward	147	119	266	77	51	128	8	5	13	71	50	121



DEATHS

Cont'd.

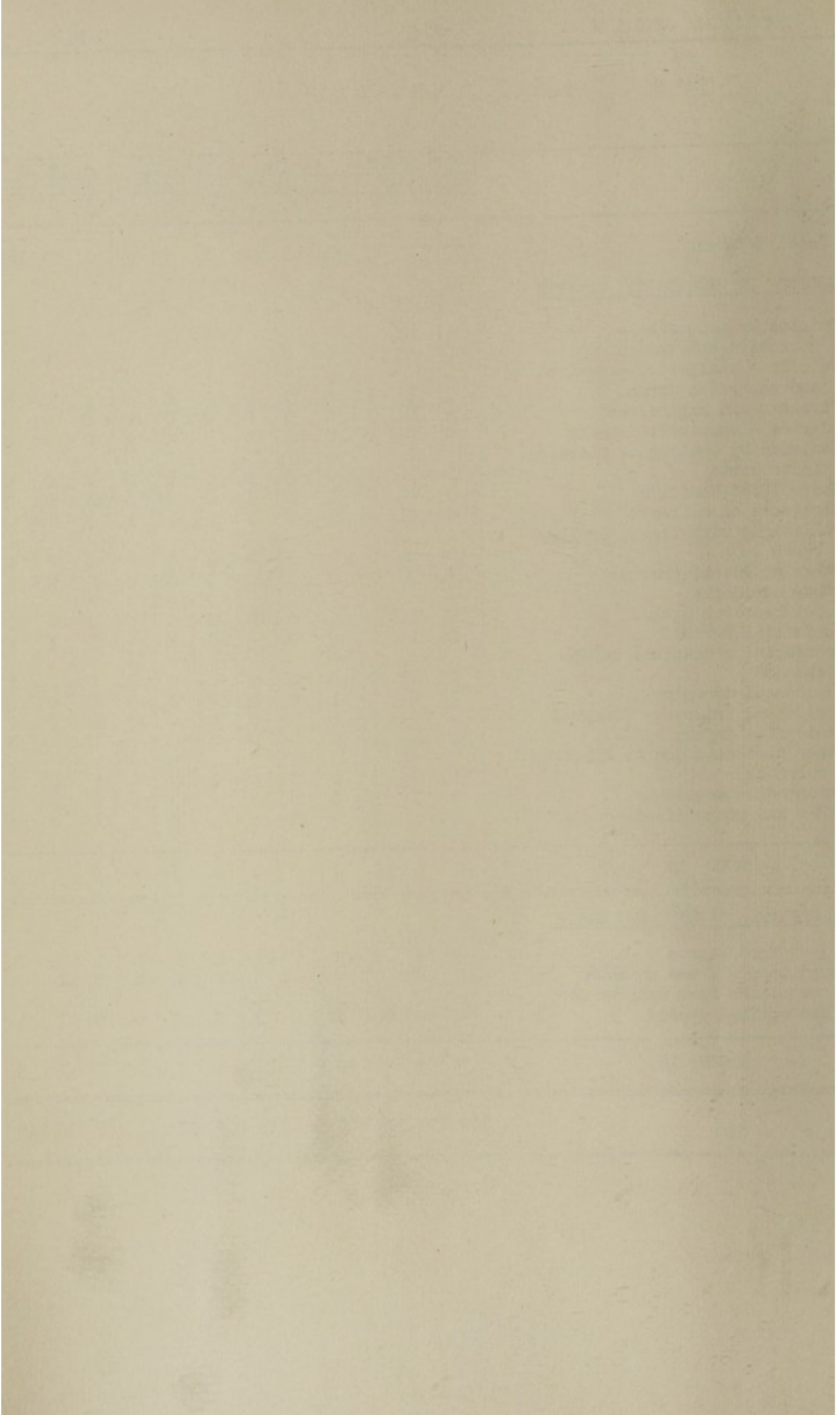
	EUROPEAN			NATIVE			COLOURED			ASIATIC		
	RESIDENTS			RESIDENTS			RESIDENTS			RESIDENTS		
	M	F	P	M	F	P	M	F	P	M	F	P
Total B/Forward	147	119	266	77	51	129	8	5	13	71	50	121
11) <u>DISEASES OF PREGNANCY</u>												
554. Ectopic gestation	0	0	0	0	0	0	0	0	0	0	0	0
558. Eclampsia	0	0	0	0	0	0	0	0	0	0	0	0
565. Other Haemorrhages during childbirth	0	0	0	0	0	0	0	1	1	0	0	0
TOTAL : GROUP 11	0	0	0	0	0	0	0	1	1	0	0	0
12) <u>DISEASES OF SKIN AND CELLULAR TISSUE</u>												
601. Cellulitis	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL : GROUP 12	0	0	0	0	0	0	0	0	0	0	0	0
13) <u>DISEASES OF THE BONES</u>												
650. Osteomyelitis	0	0	0	0	0	0	0	0	0	0	0	0
651. Other diseases of bones - not T.B.	0	1	1	0	0	0	0	0	0	0	0	0
TOTAL : GROUP 13	0	1	1	0	0	0	0	0	0	0	0	0
14) <u>CONGENITAL MALFORMATIONS</u>												
700. Hydrocephalus	0	0	0	0	0	0	0	0	0	0	0	0
701. Spina Bifida	0	0	0	0	0	0	0	0	0	0	0	0
702. Congenital malformation of heart	1	0	1	0	0	0	0	0	0	0	0	0
708. Other stated congen. malformns.	0	0	0	0	0	0	0	0	0	1	0	1
709. Unspec. congen. malformns.	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL : GROUP 14	1	0	1	0	0	0	0	0	0	1	0	1
15) <u>DISEASES PECULIAR TO FIRST YEAR OF LIFE</u>												
750. Congenital debility	0	0	0	0	1	1	0	0	0	0	0	0
751. Premature birth	4	2	6	3	7	10	0	1	1	3	4	7
752. Injury at birth -												
Intra-cranial haemorrhage	1	0	1	2	3	3	0	0	0	0	1	1
754. Asphyxia during or after birth	0	1	1	1	3	4	0	0	0	2	0	2
758. Other specified diseases	0	0	0	0	0	0	0	0	0	0	1	1
TOTAL : GROUP 15	5	3	8	6	12	18	0	1	1	5	6	11
16) <u>SENILITY</u>												
800. Senility (age 65 and over)	4	5	9	1	0	1	0	0	0	7	1	8
TOTAL : GROUP 16	4	5	9	1	0	1	0	0	0	7	1	8
Total C/Forward	157	128	285	84	63	147	8	7	15	84	57	141



DEATHS

Cont'd.

	EUROPEAN RESIDENTS			NATIVE RESIDENTS			COLOURED RESIDENTS			ASIATIC RESIDENTS		
	M	F	P	M	F	P	M	F	P	M	F	P
Total B/Forward	157	128	285	84	63	147	8	7	15	84	57	141
17) <u>VIOLENT OR ACCIDENTAL DEATHS</u>												
850. Suicide by poisoning - corrosive substances	0	0	0	0	0	0	0	0	0	0	0	0
851. Suicide - analgesic, narcotic and soporific drugs	0	1	1	0	0	0	0	0	0	0	0	0
858. Firearms and explosives	3	0	3	0	0	0	0	0	0	0	0	0
863. Suicide - unspecified means	0	0	0	0	0	0	0	2	2	0	0	0
866. Homicide by cutting or piercing instruments	0	1	1	0	0	0	0	0	0	0	0	0
867. Unspecified homicide	0	0	0	1	0	1	0	0	0	0	0	0
868. Accidents on railways	0	0	0	1	0	1	0	1	1	0	0	0
870. Collisions with trams, trolley- buses	0	0	0	0	0	0	0	0	0	0	0	0
871. Other accidents (motor)	3	0	3	0	0	0	0	0	0	0	0	0
874. Other accidents - Motor-driven cycles	1	0	1	0	0	0	0	0	0	0	0	0
891. Accidental burns	0	1	1	0	0	0	0	0	0	0	1	1
892. Accidental mechanical suffo- cation	0	0	0	0	0	0	0	0	0	0	0	0
893. Accidental drowning	1	0	1	1	0	1	0	0	0	0	0	0
894. Accidental injury by firearms	0	0	0	0	0	0	0	0	0	0	0	0
896. Accidental injury by fall	0	1	1	0	0	0	0	0	0	0	0	0
904. Other accidents due to electric currents	1	0	1	0	0	0	0	0	0	0	0	0
906. Anaesthetic accidents	0	1	1	0	0	0	0	0	0	0	0	0
908. Other and unspecified accidents	0	1	1	0	0	0	0	0	0	0	0	0
TOTAL : GROUP 17	9	6	15	3	0	3	0	3	3	0	1	1
18) <u>ILL-DEFINED CAUSES OF DEATH</u>												
951. Ill-defined causes	3	5	8	19	5	24	1	1	2	1	1	2
952. Found dead - cause unknown	0	0	0	0	0	0	0	0	0	0	0	0
953. Other deaths from unknown or unspecified causes	0	0	0	1	1	2	0	0	0	0	1	1
TOTAL : GROUP 18	3	5	8	20	6	26	1	1	2	1	2	3
TOTAL	169	139	308	107	69	176	9	11	20	85	60	145

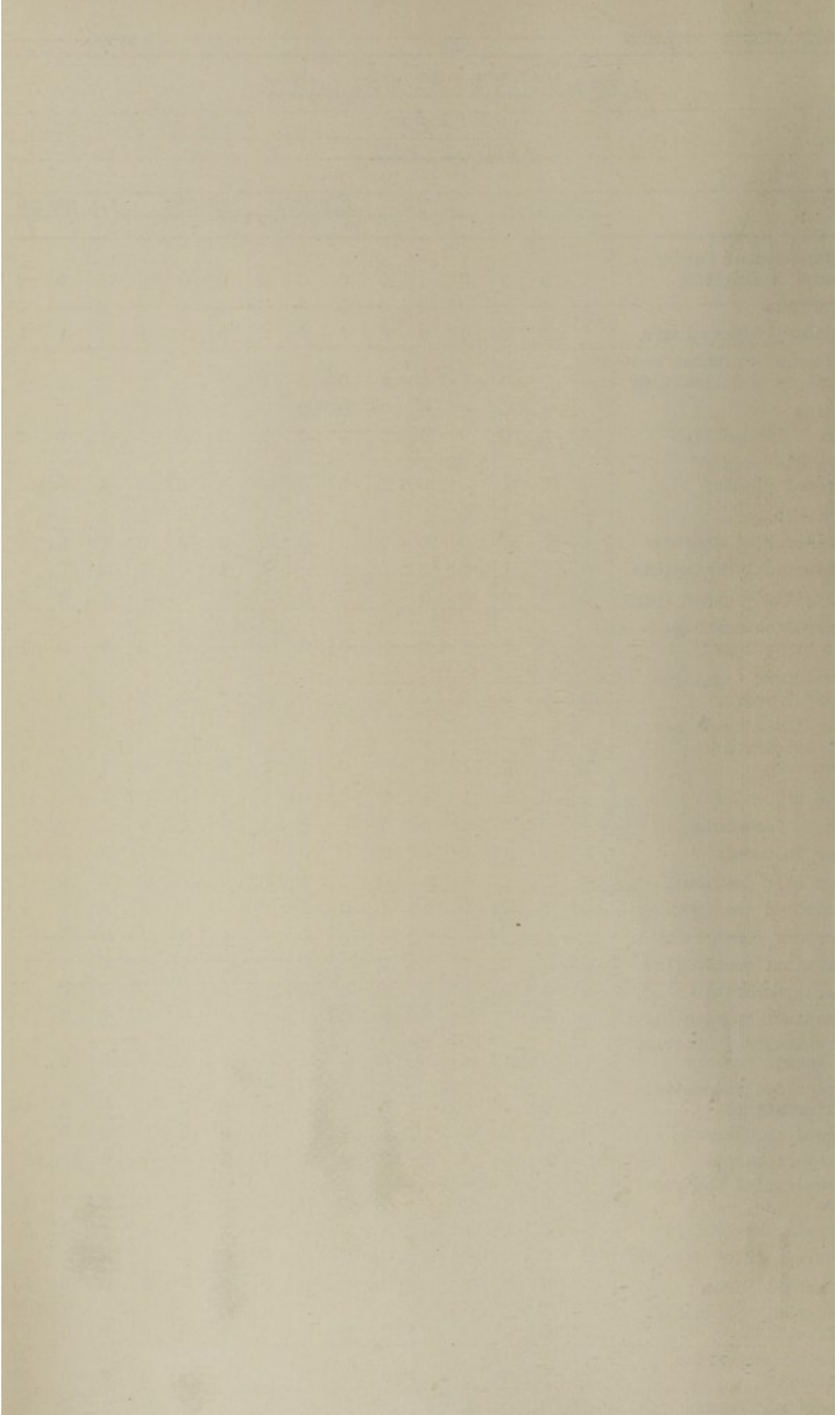


INFANTILE MORTALITY

(under 1 year)

CAUSES OF DEATH

	EUROPEAN			NATIVE			COLOURED			ASIATIC			ALL NON-EUR		
	M	F	P	M	F	P	M	F	P	M	F	P	M	F	P
38. Cerebro-spinal Meningo-coccal Meningitis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2. Diphtheria	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
15. Pulmonary Tuberculosis	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1
49. Influenza - without respiratory complications	0	0	0	1	0	1	0	0	0	1	1	2	2	1	3
52. Measles	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1
53. Acute Poliomyelitis	0	0	0	0	0	0	1	0	1	0	0	0	1	0	1
51. Other diseases of adrenal glands	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
63. Malnutrition	1	0	1	2	1	3	1	0	1	1	0	1	4	1	5
00. Intra-cranial abscess	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02. Pneumococcal Meningitis	0	1	1	0	0	0	1	0	1	1	0	1	2	0	2
03. Meningitis - other forms	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05. Cerebral haemorrhage - not birth injury	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
10. Convulsions (children under 5 years)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60. Other diseases of heart not specified as rheumatic	1	1	2	1	1	2	0	0	0	0	0	0	1	1	2
02. Acute bronchitis	0	0	0	1	2	3	0	0	0	0	0	0	1	2	3
04. Broncho Pneumonia	0	0	0	4	5	9	1	0	1	3	2	5	8	7	15
05. Lobar Pneumonia	1	0	1	2	0	2	0	0	0	1	1	2	3	1	4
10. Hypostatic pneumonia	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1
17. Abscess of the lung	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1
58. Diarrhoea & Enteritis	1	2	3	12	9	21	0	0	0	4	3	7	16	12	28
63. Intestinal obstruction	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1
01. Chronic Nephritis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700. Congenital hydrocephalus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
702. Congenital malformation of heart	1	0	1	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	0	0	0	0	0	0
750. Congenital debility	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1
751. Premature birth	4	2	6	3	7	10	0	1	1	3	4	7	6	12	18
752. Intra-cranial haemorrhage	1	0	1	2	1	3	0	0	0	0	1	1	2	2	4
754. Asphyxia, atelectasis	0	1	1	1	2	3	0	0	0	2	0	2	3	2	5
758. Other specified diseases	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1
891. Accidental burns	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
892. Accidental mechanical suffocation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
908. Other & unspecified accidents	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
951. Ill-defined causes	0	0	0	4	2	6	1	0	1	0	0	0	5	2	7
TOTAL :	11	7	18	35	33	68	5	1	6	17	15	32	57	49	106



INFANTILE MORTALITY

	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	6	2	8	8	11	19	0	1	1	4	7	11	12	19	31
1 Week - 1 Month	0	1	1	3	0	3	0	0	0	0	1	1	3	1	4
1 Month - 2 Months	0	1	1	3	5	8	1	0	1	5	2	7	9	7	16
3 Months - 5 Months	1	0	1	8	3	11	0	0	0	1	4	5	9	7	16
6 Months - 8 Months	3	2	5	5	10	15	2	0	2	5	0	5	12	10	22
9 Months - 11 Months	1	1	2	8	4	12	2	0	2	2	1	3	12	5	17
TOTAL :	11	7	18	35	33	68	5	1	6	17	15	32	57	49	106

INFANTILE MORTALITY RATES

(Deaths per 1,000 Births)

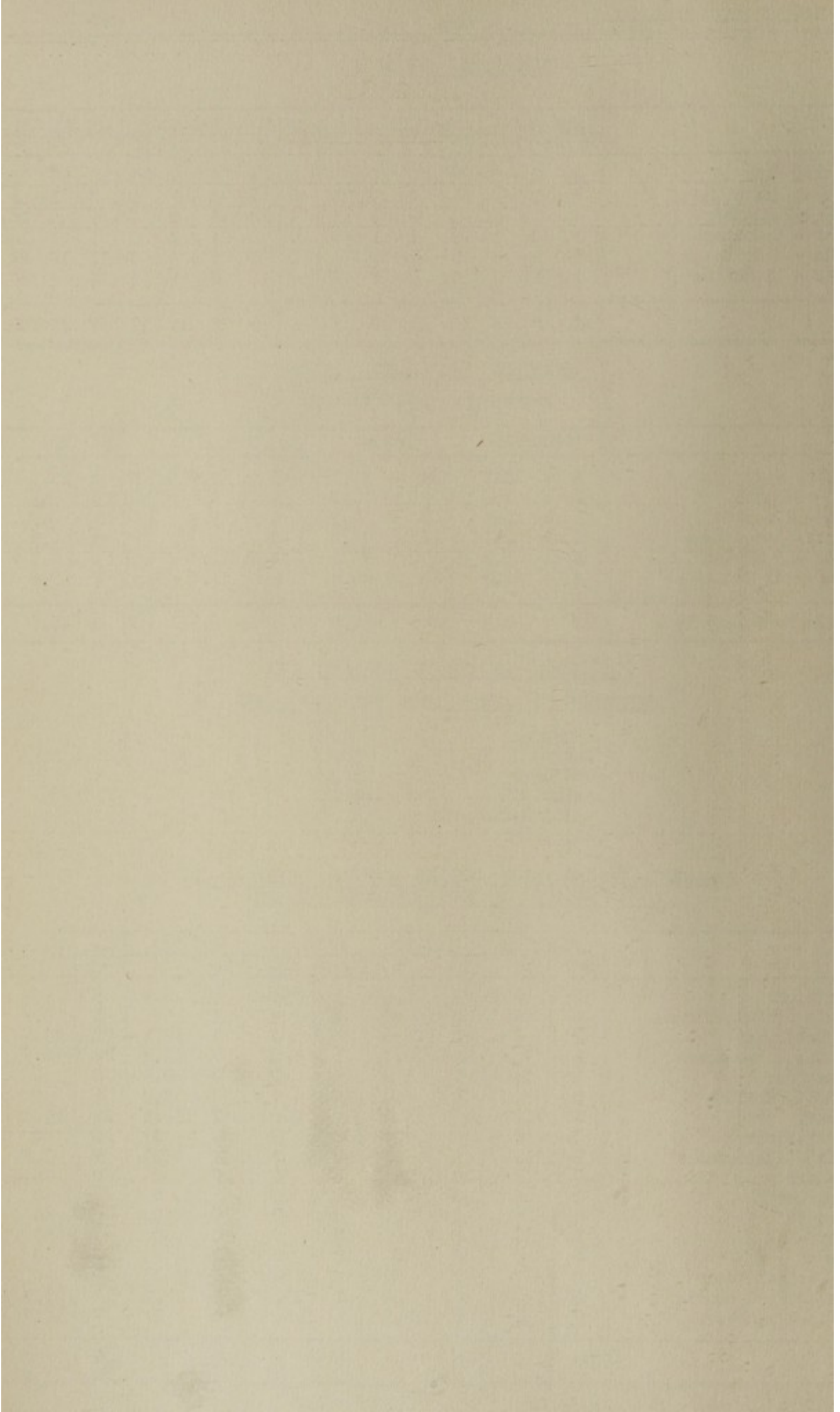
	EUROPEAN		NATIVE		COLOURED		ASIATIC	
During 1st Week	8	: 11.7	19	: 17.3	1	: 5.9	11	: 13.9
1 Week - 1 Month	1	: 1.5	3	: 2.7	0	: 0	1	: 1.3
1 Month - 2 Months	1	: 1.5	8	: 7.3	1	: 5.9	7	: 8.9
3 Months - 5 Months	1	: 1.5	11	: 10.0	0	: 0	5	: 6.3
6 Months - 8 Months	5	: 7.3	15	: 13.6	2	: 11.8	5	: 6.3
9 Months - 11 Months	2	: 2.9	12	: 10.9	2	: 11.8	3	: 3.8
Infantile Mortality Rate	18	: 26.3	68	: 61.8	6	: 35.3	32	: 40.5

PERCENTAGE OF DEATHS AT ALL AGESOCCURRING IN THE FIRST YEAR OF LIFE

European	:	5.8%
Native	:	38.6%
Coloured	:	30.0%
Asiatic	:	22.1%
All Non-European	:	31.1%
All Races	:	19.1%

INFANTILE DEATHS FROM VARIOUS CAUSES EXPRESSED AS
A PERCENTAGE OF ALL INFANTILE DEATHS

	EUROPEAN		NATIVE		COLOURED		ASIATIC		ALL NON-EUR	
	No.	%	No.	%	No.	%	No.	%	No.	%
Malnutrition	1	0	3	11.8	1	16.7	1	2.9	5	9.2
Tuberculosis (all forms)	0	0	0	0	0	0	1	0	1	0.8
Gastro-Enteritis	3	0	21	25.6	0	0	7	17.1	28	23.7
Bronchitis & Pneumonia	1	7.1	14	16.3	1	16.7	7	22.9	22	16.8
Malformations	1	7.1	0	1.2	0	0	0	2.9	0	0
Congenital Debility	0	0	1	0	0	0	0	2.9	1	0
Prematurity	6	14.3	10	15.1	1	16.7	7	14.3	18	14.5
Injury at Birth	0	0	0	0	0	0	0	0	0	0
Asphyxia - Atelectasis	1	21.4	3	1.2	0	0	2	8.6	5	3.1
Convulsions	0	0	0	0	0	0	0	0	0	0
Whooping Cough	0	0	0	0	0	0	0	0	0	0
Syphilis	0	0	0	0	0	0	0	0	0	0
Diphtheria	1	0	0	0	0	0	0	0	0	0
Measles	0	0	0	0	0	0	0	0	0	0
Cerebro-spinal Fever	0	0	0	0	0	0	0	0	0	0
Other specified causes	4	42.9	10	7.0	2	33.3	7	25.7	19	13.7
Ill-defined causes	0	0	6	12.8	1	16.7	0	0	7	10.7
	18		68		6		32		106	



PULMONARY TUBERCULOSISDEATHS IN MONTHS OF THE YEAR

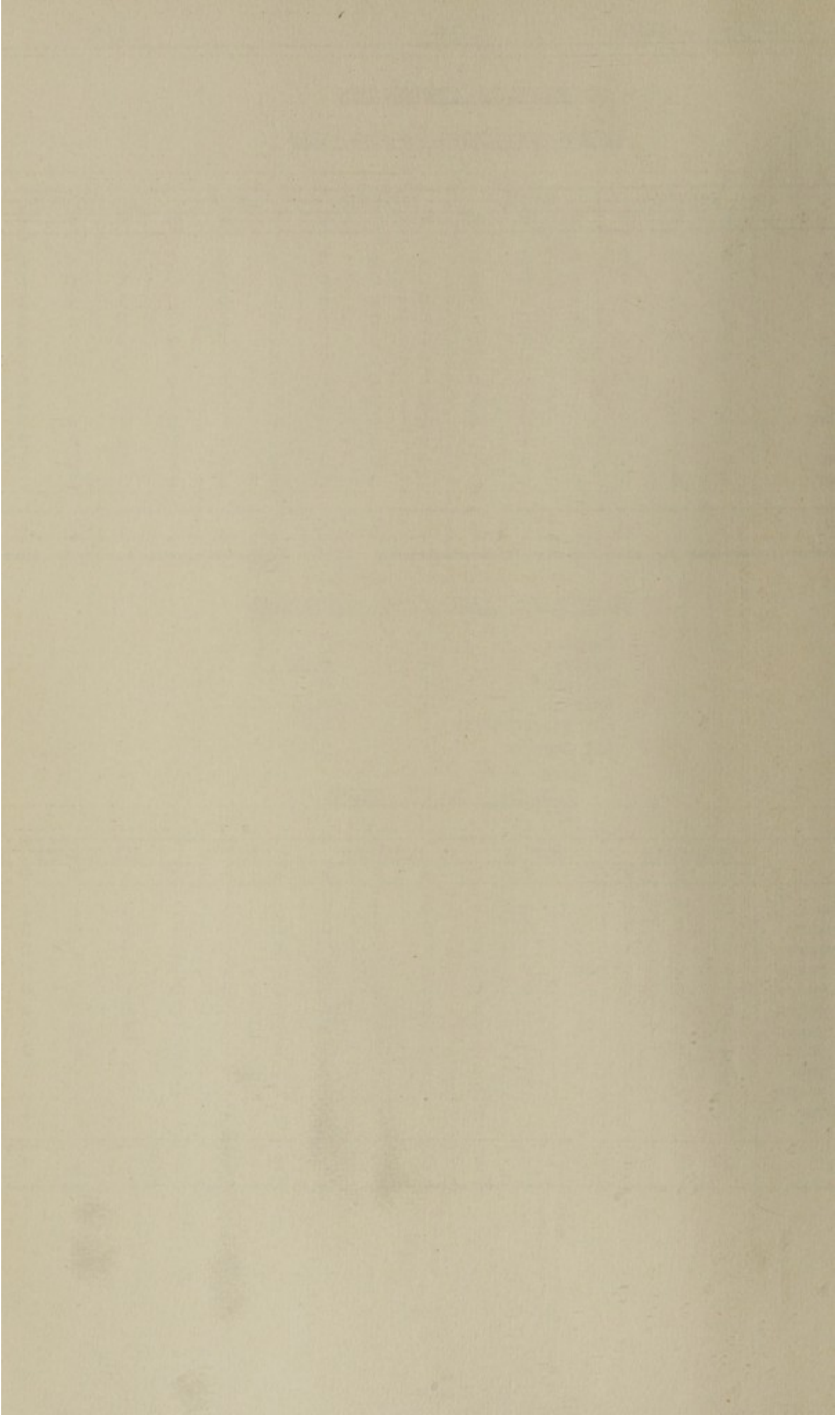
	EUROPEAN			NATIVE			COLOURED			ASIATIC			ALL NON-EUR.		
	M	F	P	M	F	P	M	F	P	M	F	P	M	F	P
January	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
February	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
March	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
April	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1
May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
June	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
August	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
September	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
October	0	0	0	0	1	1	0	0	0	0	1	1	0	2	2
November	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1
December	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1
TOTAL :	0	0	0	2	1	3	0	0	0	1	3	4	3	4	7

DEATH RATES (PER 1,000 POPULATION)

European	:	0
Native	:	0.11
Coloured	:	0
Asiatic	:	0.16
All Non-European	:	0.13
All Persons	:	0.08

DEATHS IN AGE GROUPS

	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	1	1	0	1	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	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	1	1	0	0	0	0	0	0	0	1	1
35 - 44 years	0	0	0	2	0	2	0	0	0	0	0	0	2	0	2
45 - 54 years	0	0	0	0	0	0	0	0	0	1	1	2	1	1	2
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	1	1	0	1	1
TOTAL :	0	0	0	2	1	3	0	0	0	1	3	4	3	4	7



NON-PULMONARY TUBERCULOSIS

DEATHS IN MONTHS OF THE YEAR

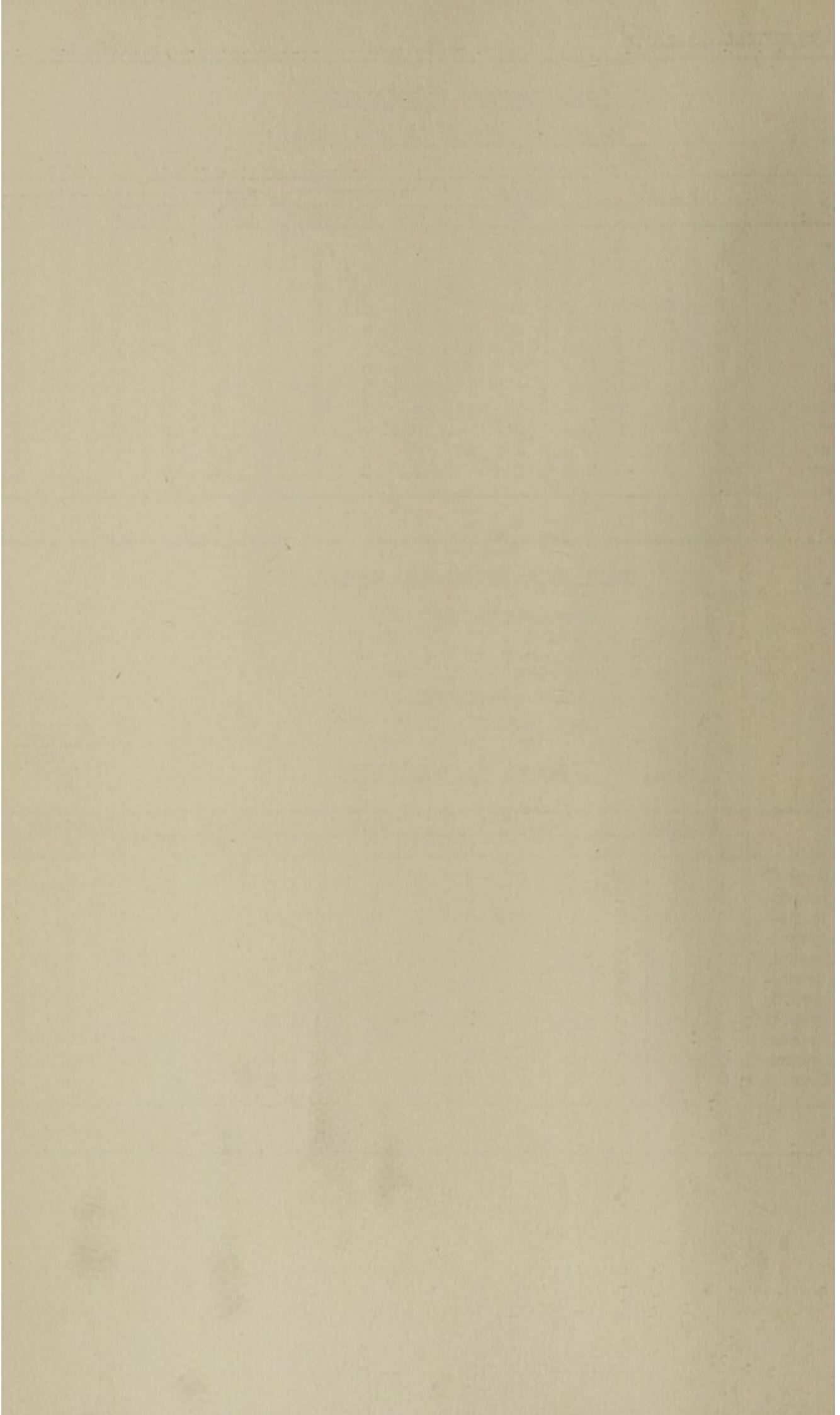
[illegible]

DEATH RATE PER 1,000 POPULATION

European	:	0.03
Native	:	0
Coloured	:	0
Asiatic	:	0
All Non-European	:	0
ALL PERSONS	:	0.01

DEATHS IN AGE GROUPS

[illegible]



CANCER AND OTHER TUMOURS

DEATHS IN AGE GROUPS

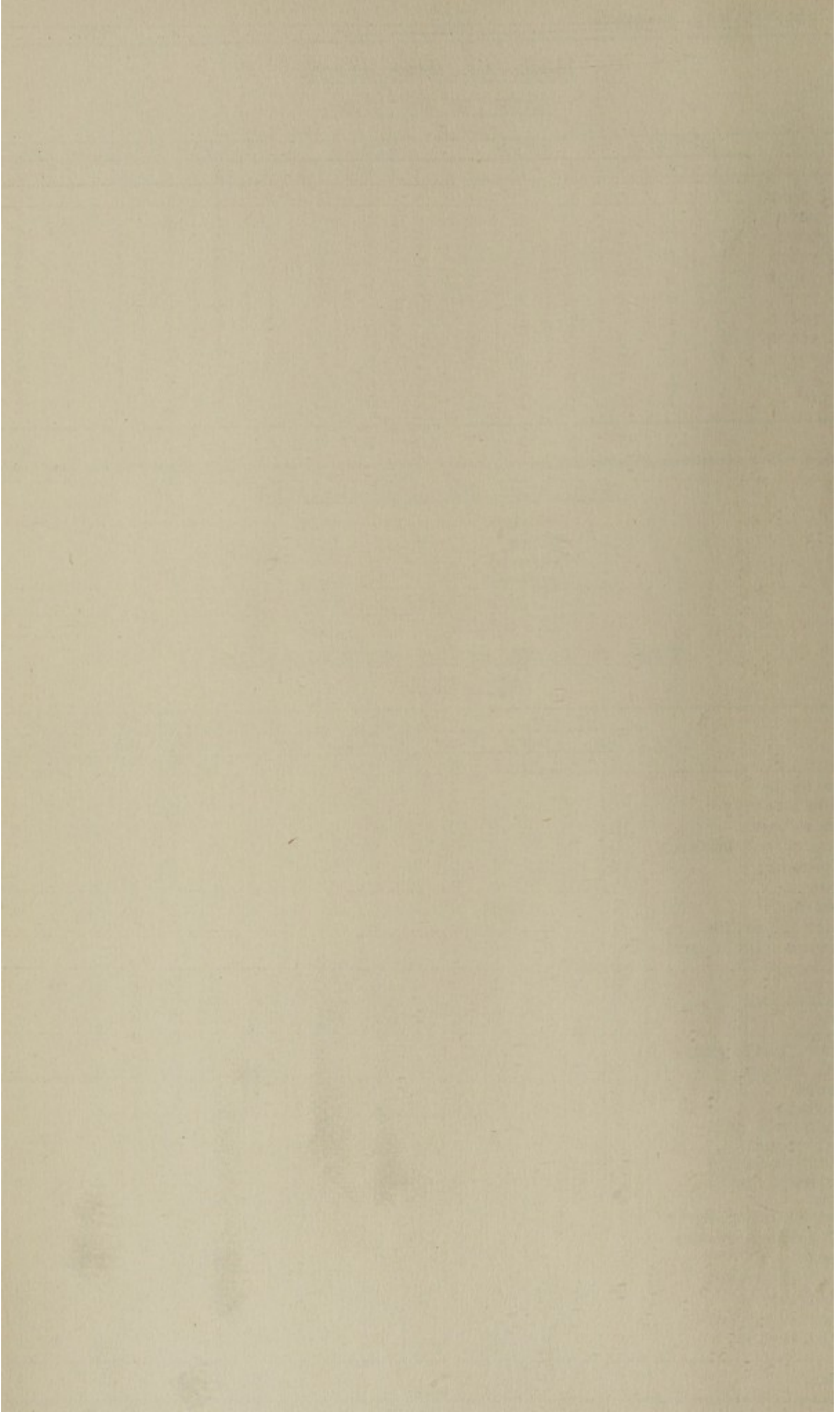
	EUROPEAN			NATIVE			COLOURED			ASIATIC			ALL NON-EUR.		
	M	F	P	M	F	P	M	F	P	M	F	P	M	F	P
Under 1 year	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1 - 2 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 - 4 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 - 14 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 - 24 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 - 34 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 - 44 years	1	1	2	1	0	1	0	0	0	2	0	2	3	0	3
5 - 54 years	2	1	3	2	0	2	0	0	0	0	1	1	2	1	3
5 - 64 years	8	4	12	0	0	0	0	0	0	2	0	2	2	0	2
5 - 74 years	0	4	4	0	1	1	0	0	0	1	1	2	1	2	3
5 and Over	7	7	14	0	1	1	0	0	0	1	0	1	1	1	2
TOTAL :	18	17	35	3	2	5	0	0	0	6	2	8	9	4	13

DEATH RATES PER 1,000 POPULATION

European	:	0.98
Native	:	0.19
Coloured	:	0
Asiatic	:	0.32
All Non-European	:	0.23
ALL PERSONS	:	0.52

FORMS OF CANCER CAUSING DEATHS GIVEN IN
AGE GROUPS

	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 :-																
00. Buccal Cavity	0	0	0	0	0	0	0	0	2	0	0	0	1	0	0	0
01. Oesophagus	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
02. Stomach and Duodenum	0	0	0	0	0	0	0	0	2	0	0	0	1	3	1	1
03. Rectum	0	0	0	0	0	0	1	0	0	0	1	0	0	2	0	0
04. Liver	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0
05. Pancreas	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
06. Other digestive organs (incl. peritoneum)	0	0	0	0	0	0	1	0	1	0	0	0	0	1	1	0
07. Larynx	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08. Mediastinum	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
09. Lung	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
10. Uterus	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0
11. Other female genital organs	0	0	0	0	0	0	0	0	0	2	0	0	0	1	0	0
12. Breast	0	0	0	0	0	0	0	0	0	1	0	1	0	2	0	0
13. Prostate	0	0	0	0	0	0	0	0	1	0	0	0	3	0	0	0
14. Other male genital organs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15. Male and female urinary organs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16. Skin	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
17. Brain & other parts of nervous system	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
18. Bones	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19. Other & unspecified organs	0	0	0	0	0	1	0	0	1	0	0	0	0	1	0	0
20. Other & unspecified organs	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
TOTAL :	0	0	0	0	1	1	3	0	10	5	4	1	7	11	2	3



DEATHS DUE TO BRONCHITIS AND PNEUMONIA

(Code Nos. 402 - 406)

RESIDENTS : (Given in months of the Year).

	EUROPEAN			NATIVE			COLOURED			ASIATIC			ALL NON-EUR.		
	M	F	P	M	F	P	M	F	P	M	F	P	M	F	P
January	1	0	1	2	1	3	0	0	0	0	1	1	2	2	4
February	0	1	1	1	2	3	0	0	0	0	1	1	1	3	4
March	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0
April	0	0	0	0	0	0	0	0	0	1	1	2	1	1	2
May	0	0	0	3	2	5	0	0	0	1	0	1	4	2	6
June	0	0	0	2	5	7	0	0	0	2	0	2	4	5	9
July	4	1	5	1	0	1	0	0	0	0	1	1	1	1	2
August	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1
September	1	2	3	2	0	2	0	0	0	2	0	2	4	0	4
October	1	1	2	0	0	0	0	1	1	1	1	2	1	2	3
November	0	1	1	4	1	5	1	0	1	0	1	1	5	2	7
December	1	0	1	1	1	2	0	0	0	0	2	2	1	3	4
TOTAL :	9	7	16	16	12	28	1	1	2	7	9	16	24	22	46

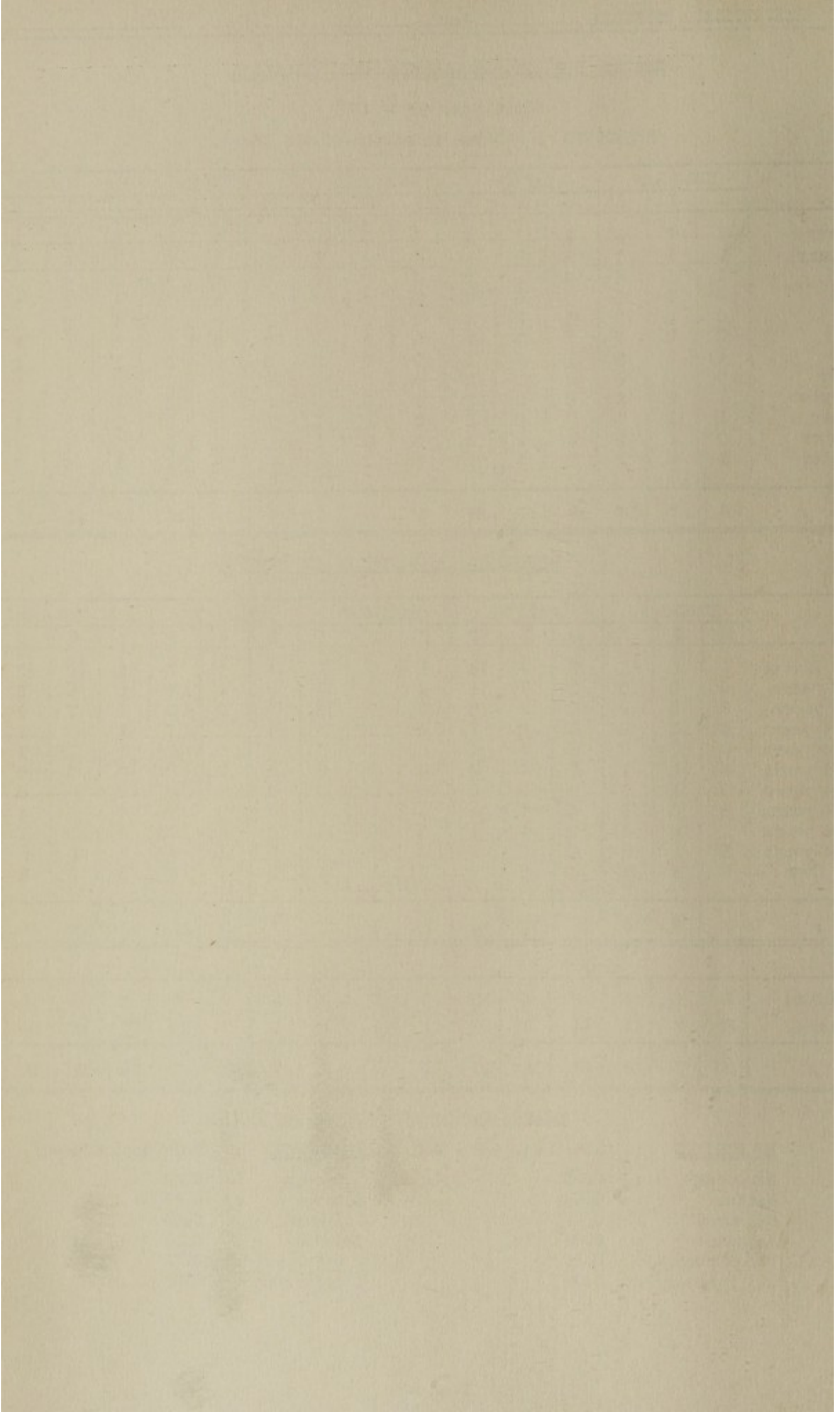
RESIDENTS : (GIVEN IN AGE GROUPS)

	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	7	7	14	1	0	1	4	3	7	12	10	22
1 - 2 years	0	0	0	2	1	3	0	0	0	0	2	2	2	3	5
2 - 4 years	0	0	0	0	2	2	0	0	0	0	0	0	0	2	2
5 - 14 years	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
15 - 24 years	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1
25 - 34 years	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
35 - 44 years	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
45 - 54 years	0	0	0	4	0	4	0	0	0	0	0	0	4	0	4
55 - 64 years	1	0	1	0	1	1	0	0	0	0	0	0	0	1	1
65 - 74 years	5	1	6	2	0	2	0	0	0	3	1	4	5	1	6
75 and Over	2	4	6	0	0	0	0	1	1	0	3	3	0	4	4
TOTAL :	9	7	16	16	12	28	1	1	2	7	9	16	24	22	46

Bronchitis	1	0	1	2	3	5	0	0	0	2	0	2	4	3	7
Pneumonia	8	7	15	14	9	23	1	1	2	5	9	14	20	19	39
TOTAL :	9	7	16	16	12	28	1	1	2	7	9	16	24	22	46

DEATH RATES PER 1,000 POPULATION

<u>BRONCHITIS</u> :	Code Nos. 402 - 403.	<u>PNEUMONIA</u> :	Code Nos. 404-406.
European :	0.03	European :	0.42
Native :	0.19	Native :	0.88
Coloured :	0	Coloured :	0.45
Asiatic :	0.08	Asiatic :	0.56
All Non-European :	0.13	All Non-European :	0.70
All Persons :	0.09	All Persons :	0.59



DISEASES OF THE HEART AND CIRCULATORY SYSTEM

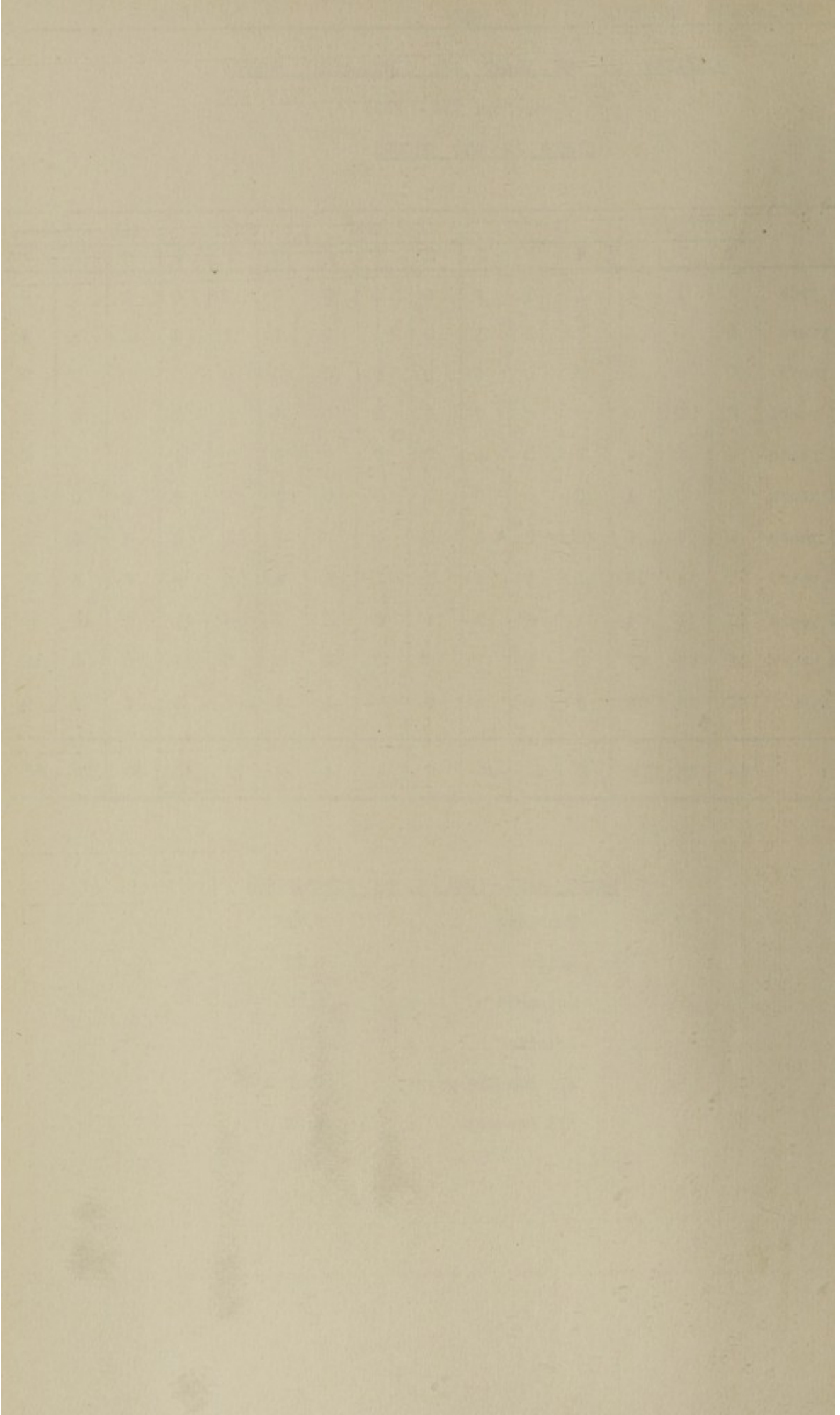
(Code Nos. 350 - 368)

DEATH IN AGE GROUPS

	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	1	2	1	1	2	0	0	0	0	0	0	1	1	2
1 - 2 years	0	0	0	1	0	1	0	0	0	1	1	2	2	1	3
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	2	2	0	2	2
15 - 24 years	2	0	2	1	0	1	0	0	0	0	1	1	1	1	2
25 - 34 years	1	0	1	0	0	0	0	0	0	2	0	2	2	0	2
35 - 44 years	1	0	1	0	2	2	0	0	0	3	1	4	3	3	6
45 - 54 years	11	4	15	1	1	2	1	1	2	4	3	7	6	5	11
55 - 64 years	13	11	24	1	6	7	1	0	1	7	4	11	9	10	19
65 - 74 years	15	12	27	0	1	1	0	0	0	8	3	11	8	4	12
75 and Over	40	24	64	3	0	3	0	1	1	3	2	5	6	3	9
TOTAL :	84	52	136	8	11	19	2	2	4	28	17	45	38	30	68

DEATH RATE (PER 1,000 POPULATION)

European	:	3.79
Native	:	0.72
Coloured	:	0.90
Asiatic	:	1.79
All Non-European:		1.22
All Persons	:	2.23



DEATHS DUE TO DIARRHOEA AND ENTERITIS

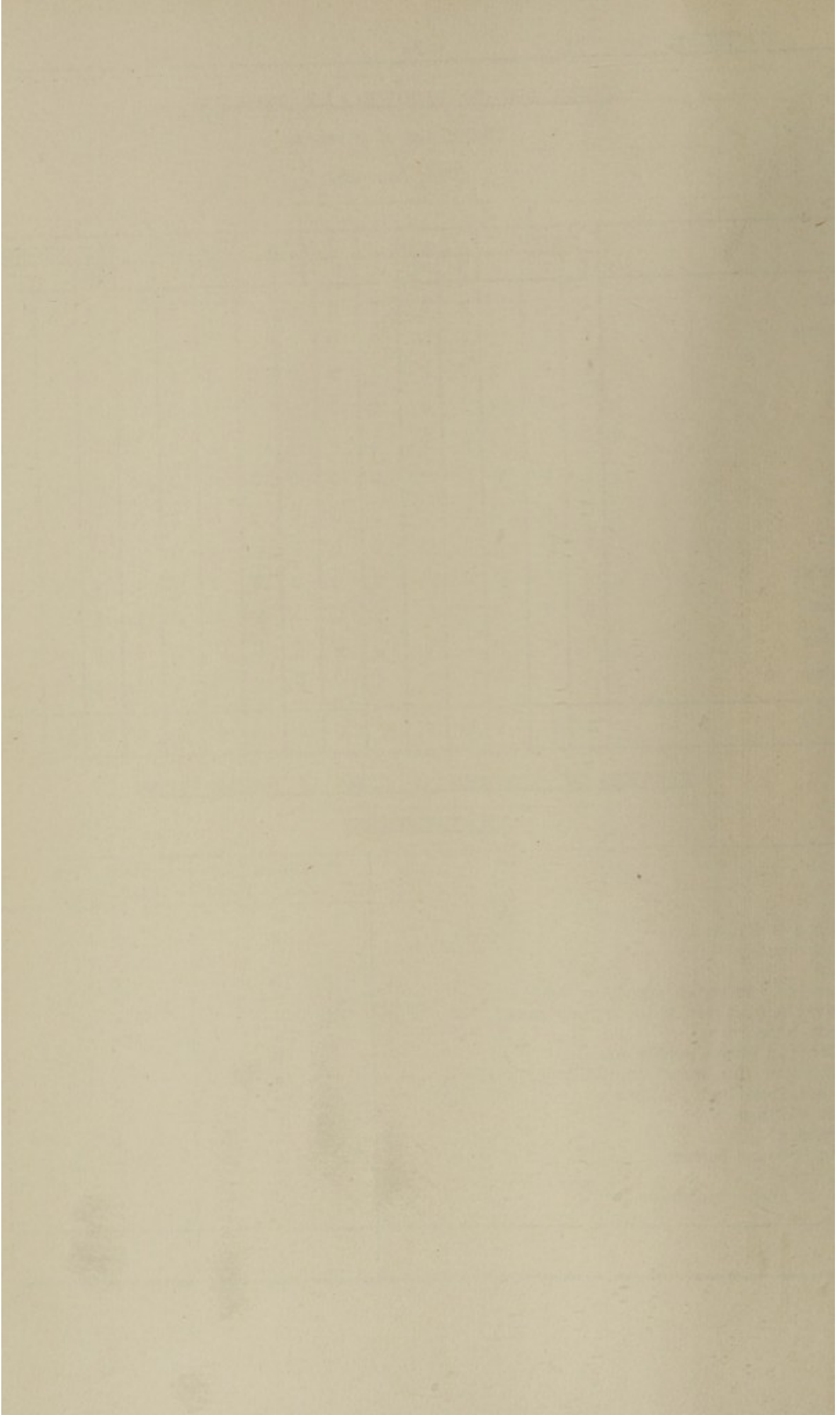
(Under age of 2 years)

(Code No. 458)

	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	2	1	3	7	3	10
February	0	1	1	4	3	7	0	0	0	0	0	0	4	3	7
March	1	0	1	0	2	2	0	0	0	0	0	0	0	2	2
April	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
May	0	0	0	2	1	3	0	0	0	1	0	1	3	1	4
June	2	1	3	0	0	0	0	0	0	0	0	0	0	0	0
July	0	0	0	1	0	1	0	0	0	0	1	1	1	1	2
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	0	0	0	0	0	0
October	0	0	0	0	1	1	0	0	0	1	0	1	1	1	2
November	0	0	0	1	0	1	0	0	0	1	0	1	2	0	2
December	0	0	0	3	2	5	0	0	0	0	1	1	3	3	6
TOTAL :	3	2	5	16	11	27	0	0	0	5	3	8	21	14	35

DISTRICTS OF RESIDENCE OF CASES OF ENTERIC FEVERAND TUBERCULOSIS

	Notifications of Enteric Fever	Deaths from Tuberculosis
P.M. Burg Central	4	6
Zwartkop Valley	1	--
Wembley	2	--
Scottsville (in water supply area)	--	--
Scottsville (outside water supply area)	--	--
Mountain Rise	--	--
Pentrich (in water supply area)	3	1
Pentrich (outside water supply area)	--	--
Chase and Town Bush Valleys	--	--
Sobantu Village	6	--
Hethorn's Hill	--	--
Asiatic Housing Scheme	--	--
Raisethorpe	--	1
Unable to trace residence	--	--
TOTAL :	16	8



TUBERCULOSIS CLINIC

	European						Native						Coloured						Asiatic						Total										
	Bor.			O/B.			Bor.			O/B.			Bor.			O/B.			Bor.			O/B.			Bor.			O/B.							
	M	F	M	M	F	F	M	F	M	M	F	F	M	F	M	M	F	M	M	F	M	M	F	M	M	F	M	F							
New Cases	39	13	13		1		112	37	195	48	20	10	4	3	37	11	2	4	208	71	214	56													
Total Attendances	140	114	20		19		527	158	633	116	66	79	11	17	263	119	33	30	996	470	697	182													
Sputa Examined	34	40	1		3		90	19	119	19	16	12	1	1	42	9	6	2	182	80	127	25													
Sputa Positive	10	7	-		-		9	3	13	3	4	3	1	1	12	1	2	2	35	14	16	6													
X-Ray Examinations	86	59	7		7		197	53	192	36	23	22	4	5	96	32	12	9	402	166	215	57													
X-Ray Positive	37	30	2		6		90	24	129	26	13	17	4	3	63	23	9	8	203	104	144	43													
Positive Diagnosis made	2	-	-		-		4	3	4	-	3	-	1	-	1	-	-	-	10	3	5	5													
Adm. to Non-Eur. Inf. Dis. Hosp. from Clinic	-	-	-		-		2	2	20	3	1	1	1	1	2	-	-	-	5	3	21	4													
Contacts Examined	7	3	-		-		2	3	-	-	-	-	1	-	3	1	-	-	9	4	1	1													
EUROPEAN						NATIVE						COLOURED						ASIATIC						TOTAL											
563						1,998						1,504						3,024						7,089											
Streptomycin Injections given																																			
Home Visits to Tuberculous and their contacts (Borough cases only)						328						1,377						212						629						2,546					





RESULTS OF MINIATURE X-RAYS

	EUROPEAN						COLOURED						ASIATIC						TOTAL					
	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	
1. Suspected P. Tuberculosis	59	21		9	4	203	42	152	48	6	8	2	41	19	10	5	309	90	173	59				
2. Other lung conditions	95	45		4	4	34	15	57	34	2	4	-	32	17	4	1	163	81	65	39				
3. Cardiac conditions	10	1		-	4	19	3	8	8	-	-	-	4	3	2	1	33	7	10	13				
4. Spinal or Thoracic cage	7	1		1	-	17	1	2	3	-	-	-	1	1	1	-	25	3	4	3				
5. Nil abnormal detected	620	472		47	45	3650	292	1471	150	91	64	7	557	178	70	37	4918	1006	1595	234				
6. Other conditions noted	5	2		-	-	1	-	2	1	-	-	-	-	-	-	-	6	2	2	1				
TOTALS :	796	542		61	57	3924	353	1692	244	99	76	9	635	218	87	44	5454	1189	1849	349				

European : 1,456.

All Non-European : 7,385.

All Persons : 8,841.



FOLLOW-UP RESULTS OF SUSPECTED CASES DETECTED

BY MINIATURE X-RAY

	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	
A. P.T.B. Active	8	8	1	-	-	67	17	40	8	2	1	-	-	-	-	-	-	-	14	7	2	1	1	33	43	9				
B. P.T.B. Inactive	5	2	-	-	-	21	3	11	1	-	-	-	-	-	-	-	-	-	4	1	-	-	-	6	11	1				
C. Non-P.T.B.	9	5	-	2	15	3	14	4	1	-	-	-	-	-	-	-	-	-	5	-	2	-	30	8	16	6				
D. Other	37	6	8	2	100	19	87	35	3	7	2	2	2	2	18	11	6	4	158	43	103	43								



VENEREAL DISEASE

CLINIC ATTENDANCES FOR THE YEAR ENDING 31st DECEMBER, 1956.

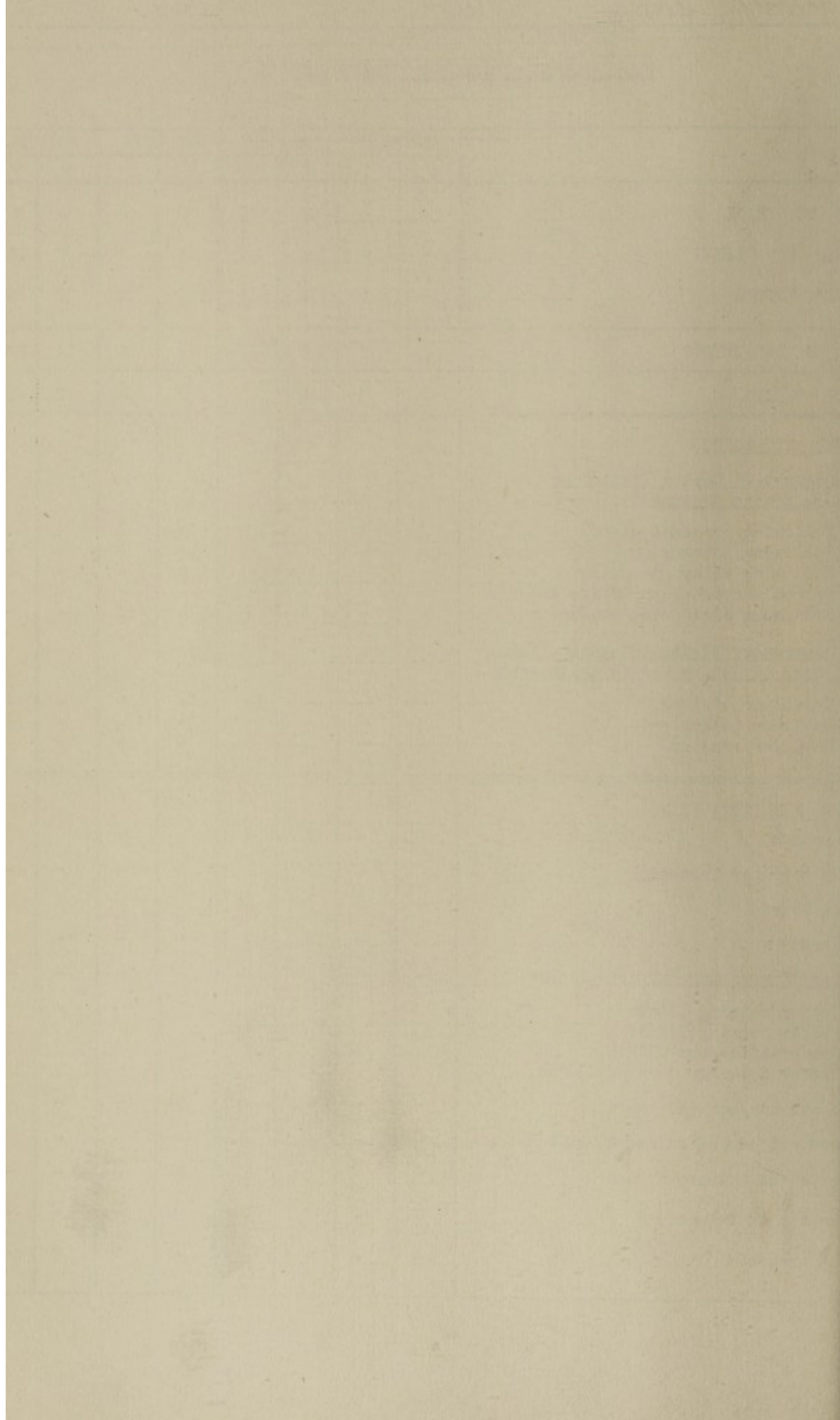
(for key) (see page) (50)	NEW CASES												TOTAL ATTENDANCES																			
	EUROPEAN				NATIVE				COLOURED				ASIATIC				EUROPEAN				NATIVE				COLOURED				ASIATIC			
	Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
1					18	2	7	2					1				3				62	5	18	7								
2					3		1	1					1								18	1	2	1	2							
3					21	7	10	18	1												118	42	31	54	5		2					
4																																
5	1	1			42	76	15	29					2	3	8		1	8			440	539	74	219	4	71		22	15	62		
6						1															1	1										
7	1				3	10	2	3	3						1		1				20	37	9	16	13	1	2	3	2	7		
8					2																6	3								1	1	
9	3				36	24	13	14	1	1			2	1			12	1			116	51	29	56	3	3			10	1	1	
10																																
11					3			2	1				3								3			2	6					9	1	
12								1													1			2								
13																																
14																																
15																																
16																																
17	2	1			43	20	7	14	3								3	1			114	95	19	55	9		1		17	9		
18																					1	1	2									
Total :	8	2			172	141	63	66	8	7			2	15	12		20	10			905	825	193	416	44	75	3	27	57	104		

19 Discharged on Probation	1	1	0	0	176	126	40	65	5	10	0	4	6	7	0	0
20 Discharged Finally	0	0	0	0	74	64	24	19	4	4	1	1	7	8	0	0



V.D. CLINIC DEFAULTER INVESTIGATIONS

	EUROPEAN		NATIVE		COLOURED		ASIATIC	
	M	F	M	F	M	F	M	F
LE TO TRACE	-	-	58	43	0	0	-	2
RNED TO CLINIC	-	-	104	67	1	2	7	15
NOT RETURN	2	2	30	15	6	4	7	5
L OF DEFAULTERS	2	2	192	125	7	6	14	22
OF VISITS	2	3	339	207	7	6	10	21
<u>RNED TO CLINIC</u>								
<u>at Request of Health Visitor or</u>								
<u>Native Health Assistant.</u>								
1) Following personal visits	4	4	169	125	-	3	4	11
2) Following letters	-	-	-	-	-	-	-	-
3) Following telephone calls	-	-	1	-	-	-	-	1
4) Traced through Pass Office Records	-	-	10	-	-	-	-	-
5) Following accidental encounter	-	-	2	2	-	1	-	-
<u>Supplementary Visits by Health Visitor</u>								
<u>(in case of Native Health Assistants).</u>								
1) Defaulter visited	-	-	-	-	-	-	-	-
2) Employer telephoned	-	-	-	-	-	-	-	-
3) Employer visited	-	-	2	3	-	-	-	-
<u>REASONS FOR DEFAULTING</u>								
No reason	-	-	2	-	-	-	1	4
Inable to pay transport	-	-	5	-	-	-	-	-
Left City	2	-	57	37	-	-	-	-
Illness	-	-	3	7	-	-	-	-
Hours of work prevent attendance:	-	-	20	18	-	-	-	-
Prefer morning Clinic								
Prefer evening Clinic								
Prefer afternoon Clinic								
Prefer Saturday morning Clinic								
Thought him/herself cured	-	-	12	4	-	-	-	-
Spaces not separated enough at Clinic	-	-	-	-	-	-	-	-
Clinic not private enough	-	-	5	1	-	-	-	-
Reaction to Injections	-	-	6	1	-	-	-	-
Other reasons	-	-	-	-	-	3	6	-



VENEREAL DISEASE Cont'd.

EPIDEMIC (V.D.) HOSPITAL RETURNS

NATIVE (for Key) (see page) (50)	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.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.			

No. of admissions during Year:

	Borough		O/Borough	
	Males	Females	Males	Females

No. of individuals

admitted during the year.

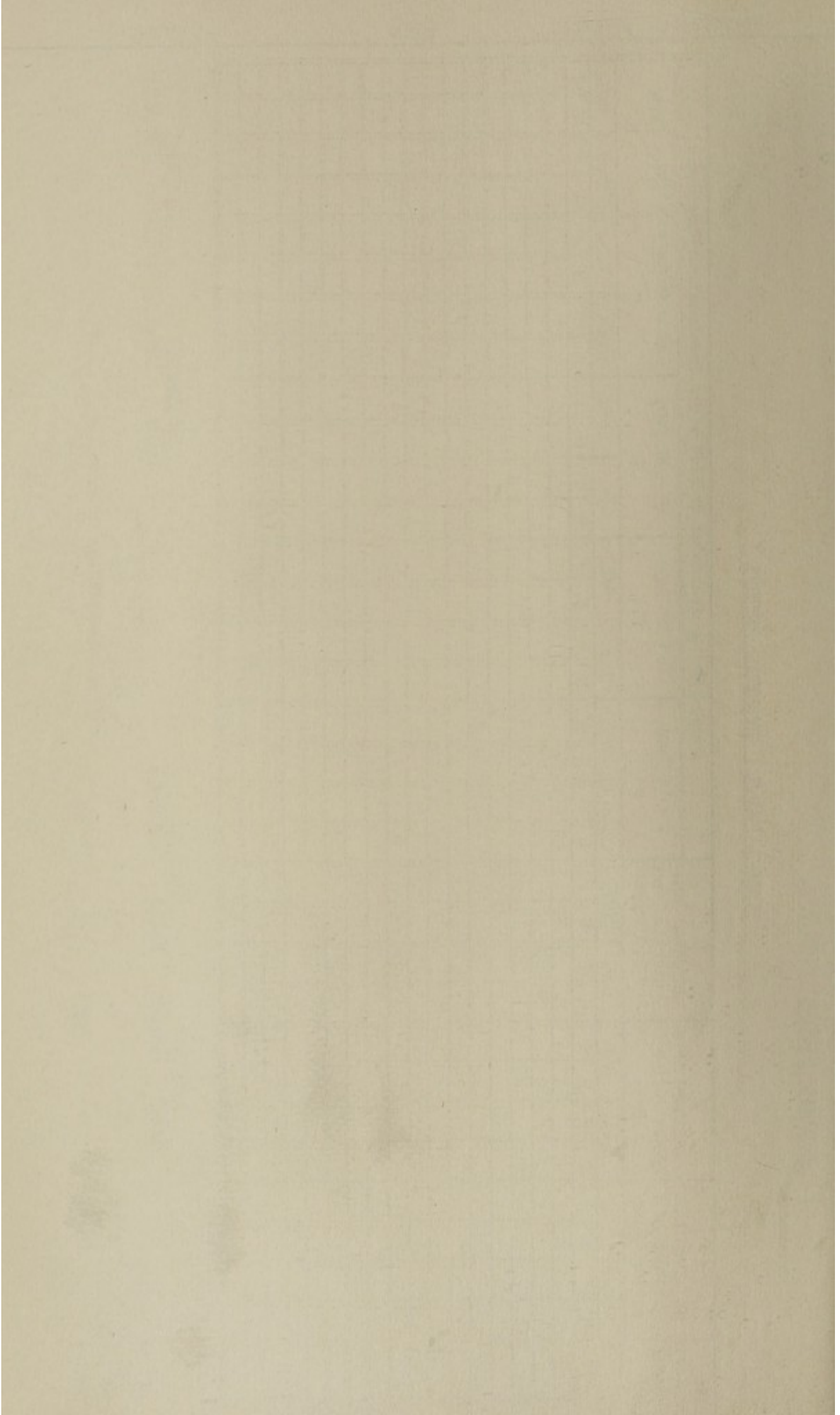
No. of individuals

discharged during the year.

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

	Borough		O/Borough	
	Males	Females	Males	Females

20	18	4	14
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VENEREAL DISEASE Cont'd.

EPIDEMIC (V.D.) HOSPITAL RETURNS

COLORED (for key) (see page) (50)	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											
						0 - 14 Days D			15 - 28 Days E			29 - 42 Days F			43 - 56 Days G		
	Bor.	O/B.	Bor.	O/B.	Bor.	O/B.	Bor.	O/B.	Bor.	O/B.	Bor.	O/B.	Bor.	O/B.	Bor.	O/B.	57 + Days H
1	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M
2					1												
3																	
4																	
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17																	

No. of admissions during Year:

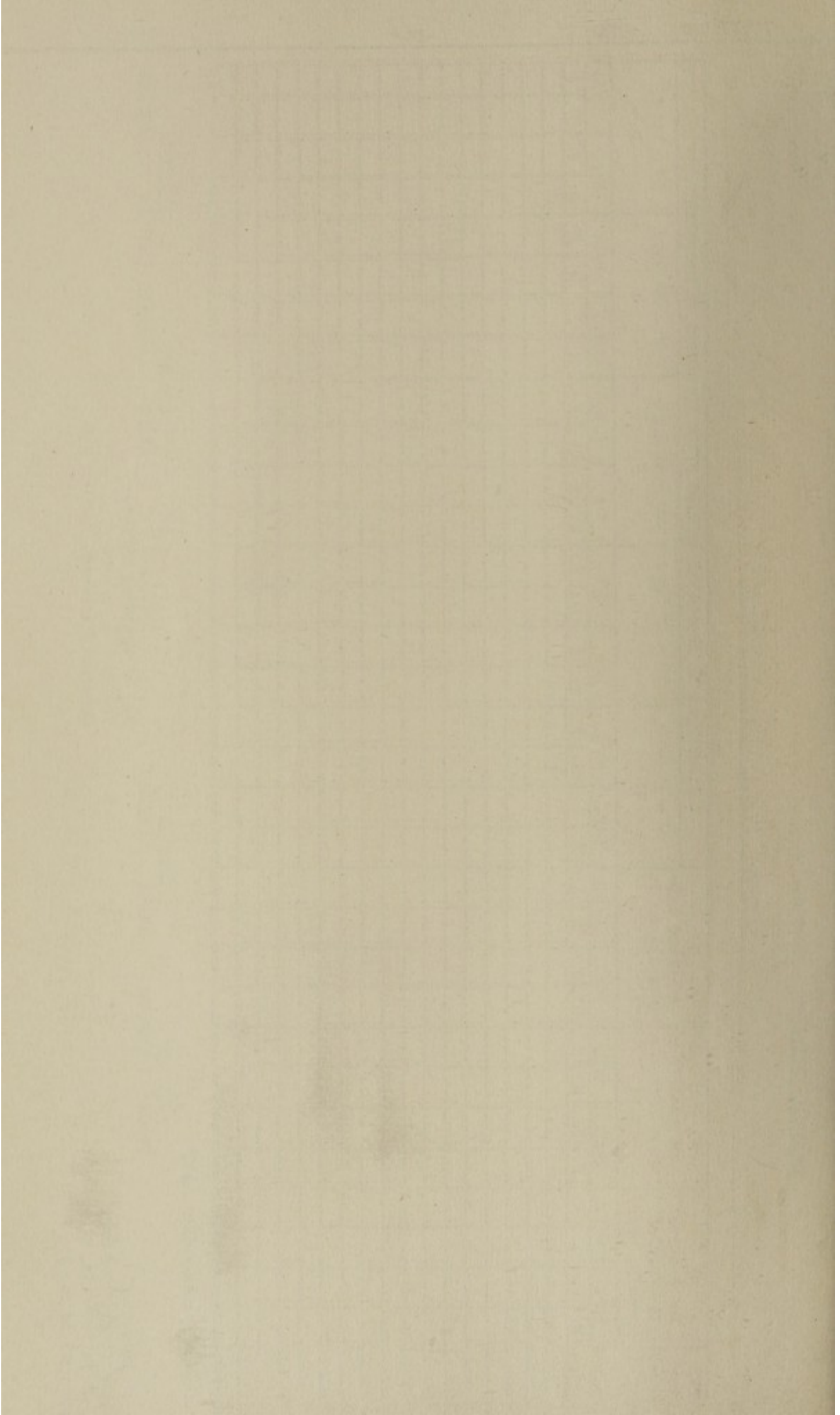
Borough
Males Females
Males Females

Borough
Males Females
Males Females

No. of individuals admitted during the year. 0 0 1 0 0 0 0 0

No. of individuals discharged during the year. 0 0 1 0 0 0 0 0

No. of Patients suffering from 2 or more Venereal Diseases. 0 0 0 0 0 0 0 0



VENEREAL DISEASE Cont'd.

EPIDEMIC (V.D.) HOSPITAL RETURNS

ASIATIC (for key) (see page) (50)	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													
							0 - 14 Days D				15 - 28 Days E				29 - 42 Days F				43 - 56 Days G	
	Bor.	O/B.	Bor.	O/B.	Bor.	O/B.	Bor.	O/B.	Bor.	O/B.	Bor.	O/B.	Bor.	O/B.	Bor.	O/B.	Bor.	O/B.	Bor.	O/B.
1																				
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14																				
15																				
16																				
17																				

No. of admissions during Year:

Borough
Male Female O/Borough
Male Female

Borough
Male Female O/Borough
Male Female

No. of individuals admitted
during the year.

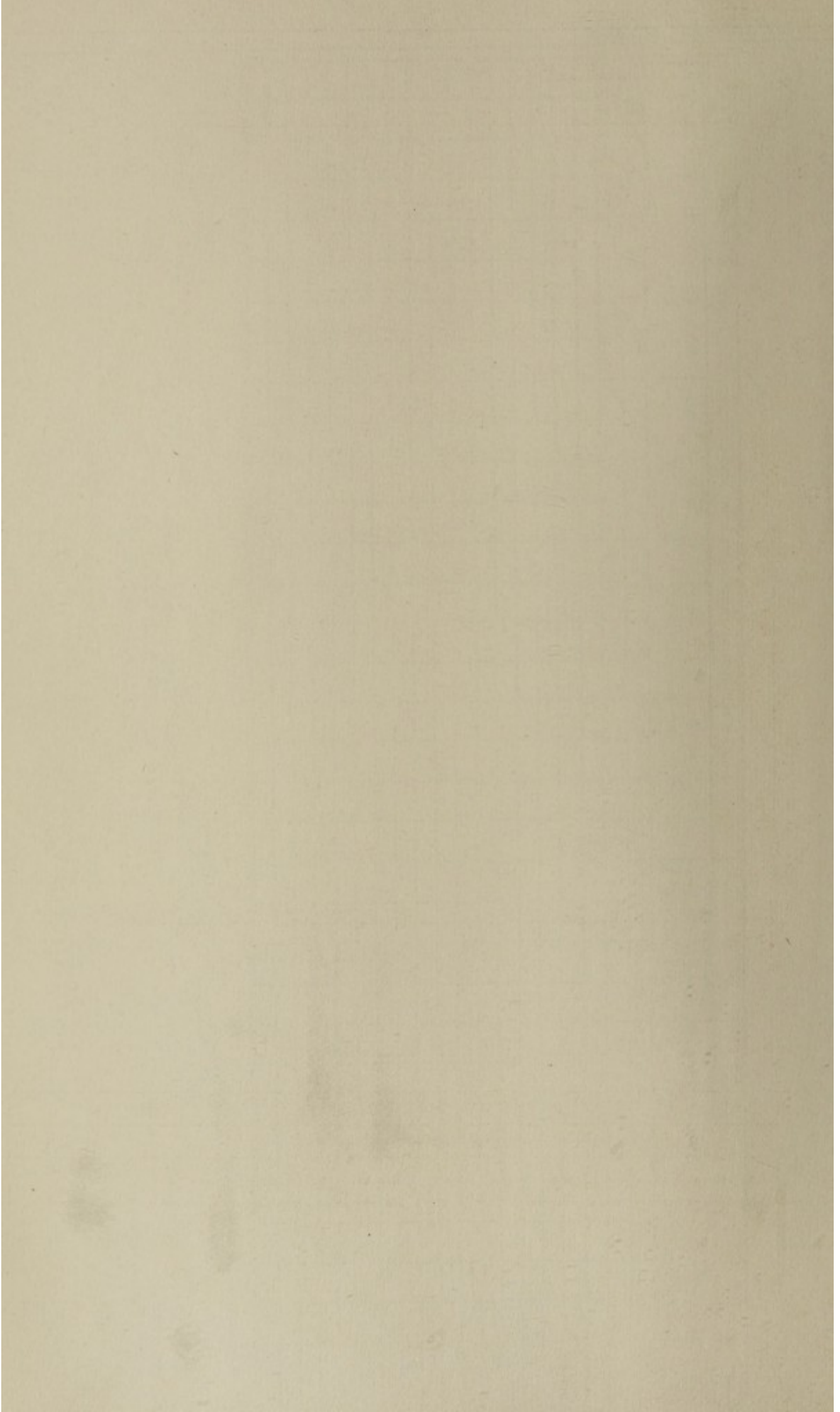
No. of individuals dis-
charged during the year.

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

1 0 1 0

1 0 1 0

0 0 0 0



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).

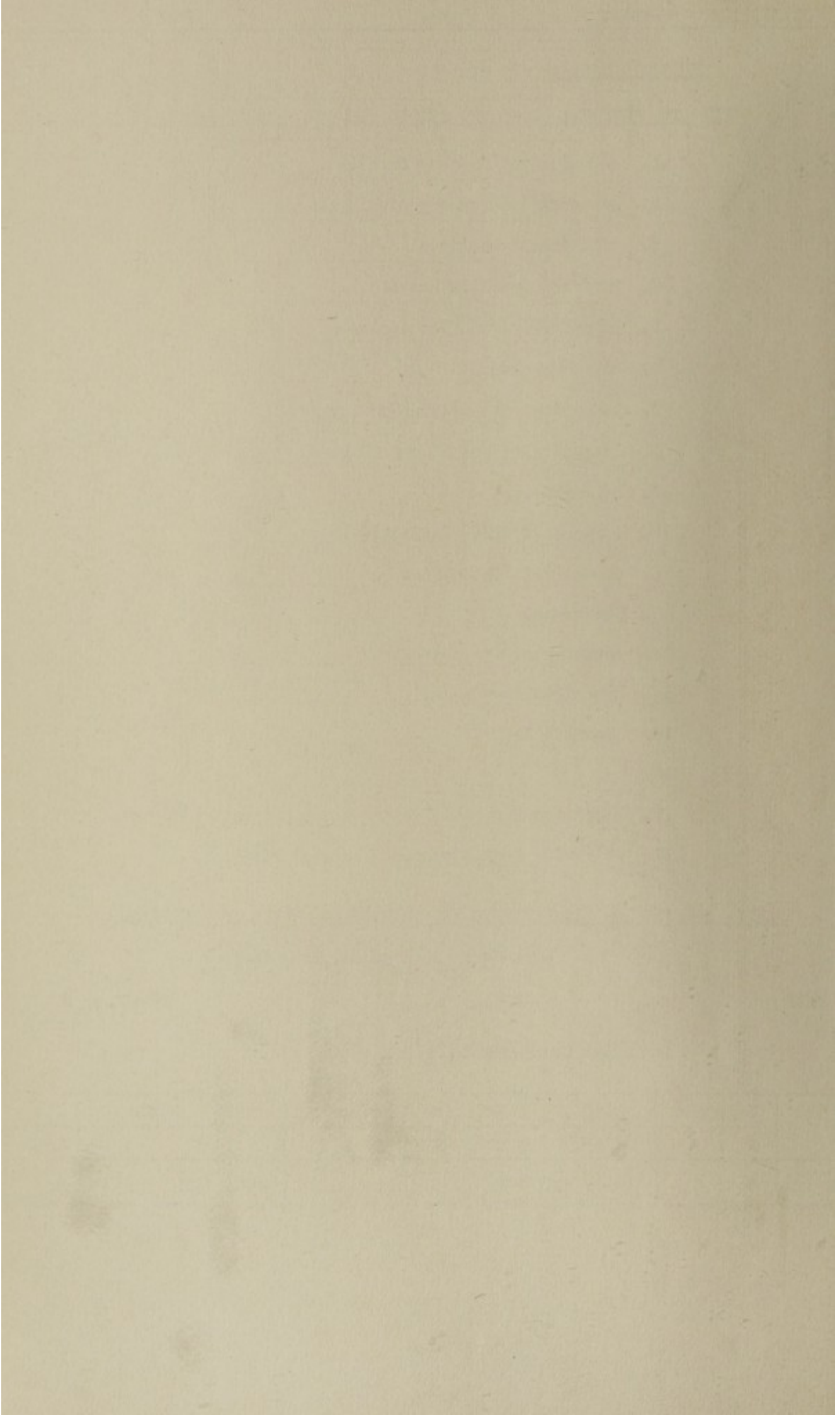
MALE : 5

FEMALE : 3

TOTAL : 8

VENEREAL DISEASE HOME VISITS

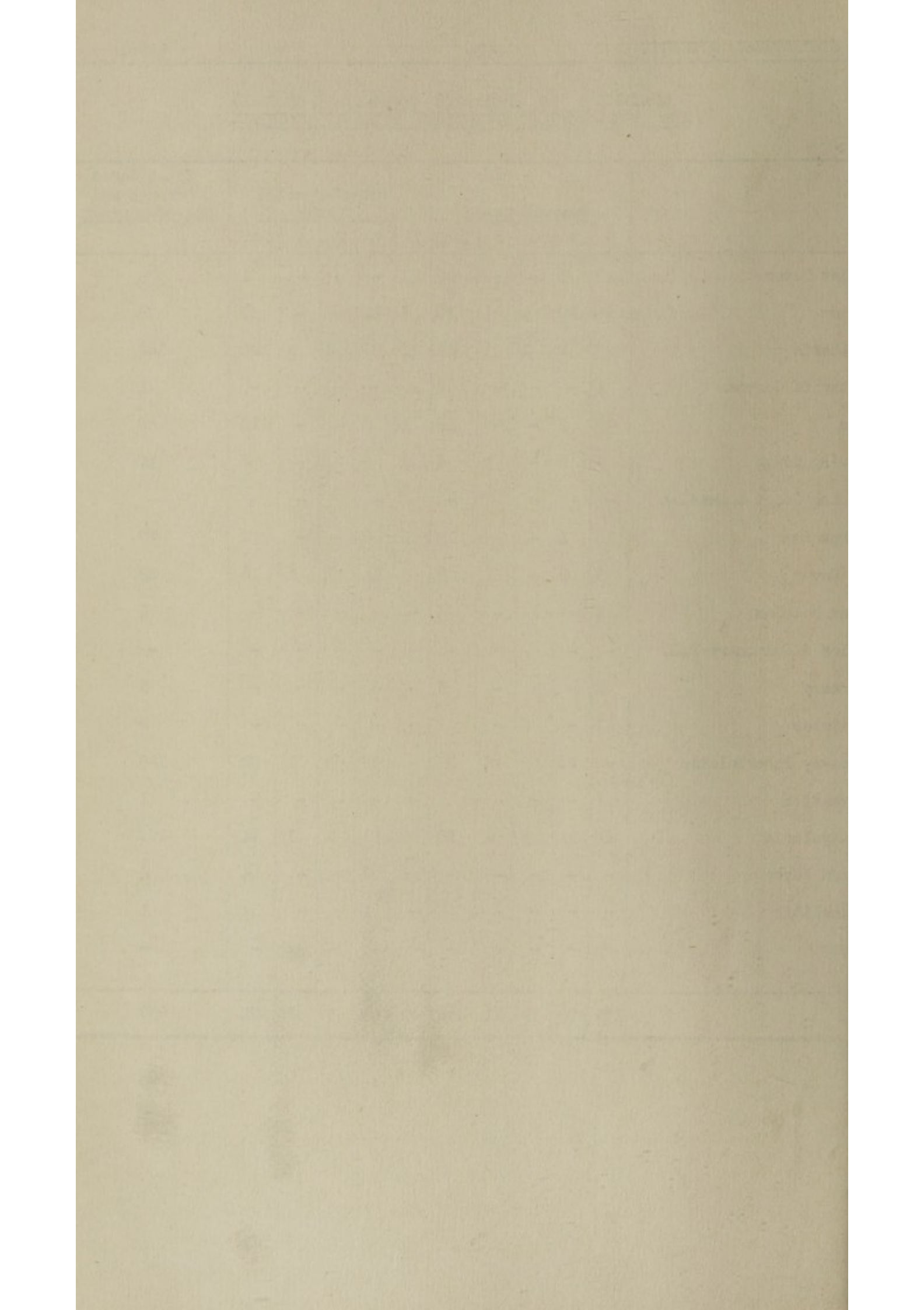
	European	Native	Coloured	Asiatic	Total	
	M : F	M : F	M : F	M : F	M : F	: PERSONS
1956	0 : 0	390 : 391	6 : 8	13 : 19	409 : 418	: 827





ADMISSIONS TO ISOLATION HOSPITAL (EUROPEAN)
AND NON-EUROPEAN INFECTIOUS DISEASES HOSPITAL

	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	27	1	-	-	28	1	-	-	-	1	29
Measles	26	10	2	-	38	6	31	-	-	37	75
Diphtheria	27	10	2	3	42	18	97	2	3	120	162
Diphtheria Carrier	1	-	-	-	1	-	-	-	-	-	1
Mumps	15	3	-	-	18	6	4	-	-	10	28
Whooping Cough	4	1	-	1	6	1	7	-	-	8	14
Whooping Cough & Measles	-	-	-	-	-	-	-	-	-	-	-
Chicken Pox	15	4	-	-	19	1	7	-	-	8	27
C.S. Fever	3	2	-	1	6	-	14	1	1	16	22
German Measles	4	-	-	-	4	-	-	-	-	-	4
Measles & Pulmonary T.B.	-	-	-	-	-	-	-	-	-	-	-
Dysentery	5	-	-	-	5	-	-	-	-	-	5
Erysipelas	1	-	1	-	2	-	-	-	-	-	2
Pulmonary Tuberculosis	-	28	5	4	37	-	88	3	1	92	129
Observation	1	-	-	-	1	-	-	-	-	-	1
Poliomyelitis	41	11	5	2	59	39	51	1	3	94	153
Typhoid Fever	-	-	-	-	-	1	3	-	-	4	4
Encephalitis	-	-	-	-	-	-	1	-	-	1	1
Boarder	-	-	-	-	-	-	-	-	-	-	-
TOTAL :	170	70	15	11	266	73	303	7	8	391	657



ISOLATION HOSPITAL AND NON-EUROPEAN INFECTIOUS
DISEASES HOSPITAL

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

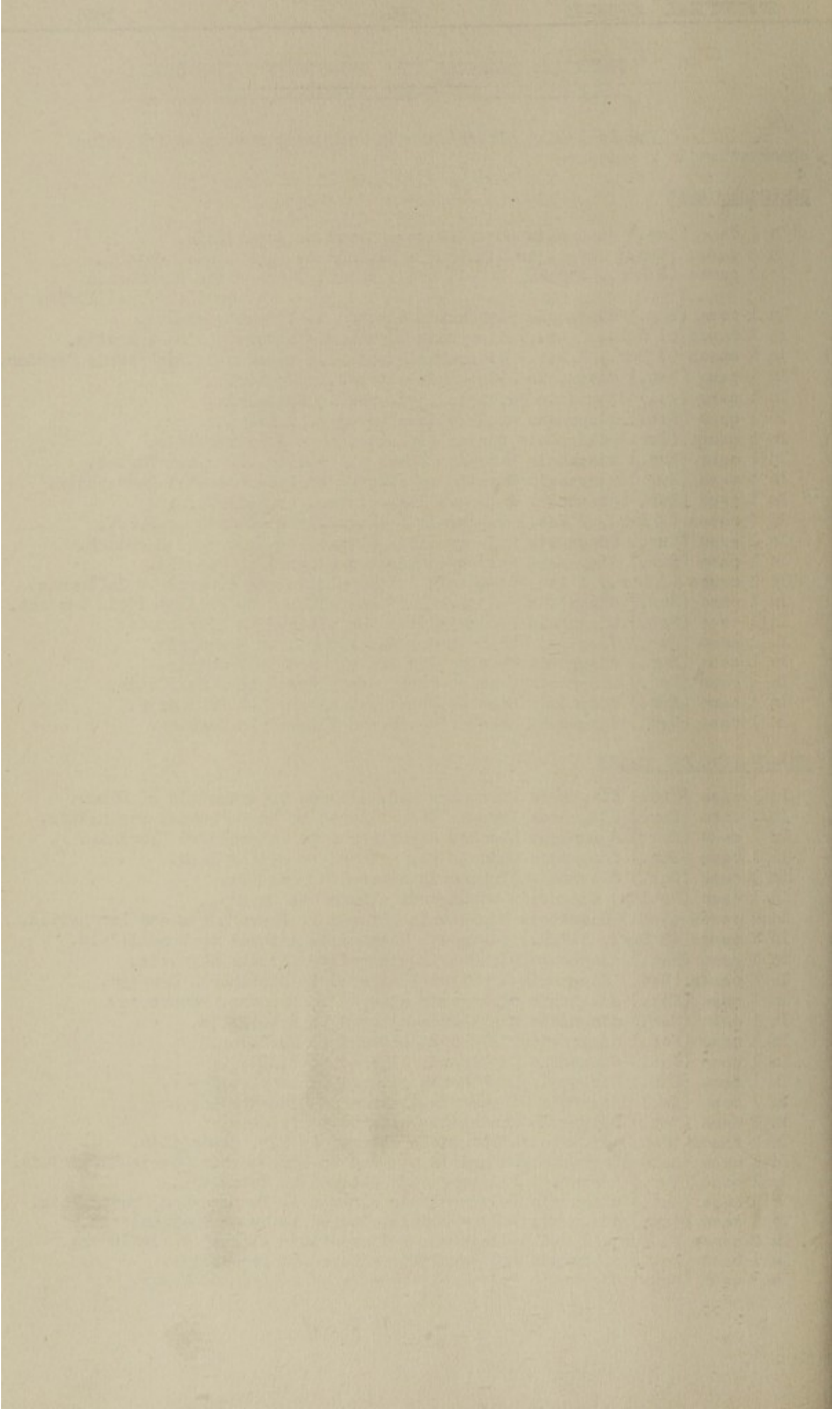
BOROUGH CASES

- In 1 case (Eur.) diagnosis Observation altered to Ascariasis.
- In 3 cases (Eur.) diagnosis Diphtheria altered to Diphtheria contact.
- In 9 cases (4 Eur., 3 Nat., 1 Col. and 1 Asiat.,) diagnosis Diphtheria altered to Tonsillitis.
- In 1 case (Eur.) diagnosis Diphtheria altered to Vincents Angina.
- In 2 cases (1 Col., 1 As.,) diagnosis Diphtheria altered to Pharyngitis.
- In 2 cases (1 Eur., 1 Nat.) diagnosis Diphtheria altered to Diphtheria Carrier.
- In 1 case (Nat.) diagnosis Diphtheria altered to Hysteria.
- In 1 case (As.) diagnosis Diphtheria altered to Pneumonia.
- In 1 case (Nat.) diagnosis Meningitis altered to Influenza.
- In 2 cases (Eur.) diagnosis Meningitis altered to Poliomyelitis.
- In 1 case (Eur.) diagnosis Whooping Cough altered to Ulcerated Throat.
- In 1 case (Eur.) diagnosis Erysipelas altered to Streptococcal Dermatitis.
- In 1 case (Eur.) diagnosis Poliomyelitis altered to Enteritis.
- In 4 cases (2 Eur., 2 Nat.) diagnosis Poliomyelitis altered to P.U.O.
- In 1 case (Eur.) diagnosis Poliomyelitis altered to Injury to Shoulder.
- In 1 case (Eur.) diagnosis Poliomyelitis was altered to Measles.
- In 3 cases (2 Eur., 1 As.) diagnosis Poliomyelitis was altered to Influenza.
- In 1 case (Eur.) diagnosis Poliomyelitis was altered to Poliomyelitis Contact.
- In 1 case (Nat.) diagnosis Poliomyelitis was altered to Fibrositis.
- In 1 case (Eur.) diagnosis Chicken Pox was altered to Urticaria.
- In 1 case (Eur.) diagnosis Chicken Pox was altered to Vaccinia.
- In 1 case (Eur.) diagnosis Scarlet Fever was altered to Tonsillitis.
- In 1 case (Eur.) diagnosis Scarlet Fever was altered to Urticaria.
- In 1 case (Nat.) diagnosis Scarlet Fever was altered to Measles.

OUT-OF-BOROUGH CASES

- In 1 case (Nat.) diagnosis Pulmonary T.B. altered to Arthritis of Elbow.
- In 1 case (Eur.) diagnosis Encephalitis altered to Pneumococcal Meningitis.
- In 1 case (Nat.) diagnosis Chicken Pox altered to Generalised Vaccinia.
- In 1 case (Eur.) diagnosis Chicken Pox altered to Septic Rash.
- In 1 case (Nat.) diagnosis Diphtheria altered to Measles.
- In 1 case (Native) diagnosis Diphtheria altered to Quinsy.
- In 8 cases (Nat.) diagnosis Diphtheria altered to Pharyngitis and Laryngitis.
- In 7 cases (2 Eur., 3 Nat.) diagnosis Diphtheria altered to Tonsillitis.
- In 1 case (Nat.) diagnosis Diphtheria altered to Chronic Rhinitis.
- In 3 cases (Nat.) diagnosis Diphtheria altered to Diphtheria Carrier.
- In 1 case (Nat.) diagnosis Diphtheria altered to Broncho. Pneumonia.
- In 1 case (Nat.) diagnosis Diphtheria altered to Bronchitis.
- In 1 case (Nat.) diagnosis Diphtheria altered to Marasmus.
- In 1 case (Nat.) diagnosis Diphtheria altered to N.A.D.
- In 1 case (Eur.) diagnosis Diphtheria altered to Scarlet Fever.
- In 1 case (As.) diagnosis Diphtheria altered to Vincents Angina.
- In 1 case (Nat.) diagnosis Meningitis altered to Tetanus.
- In 2 cases (Nat.) diagnosis Meningitis altered to T.B. Meningitis.
- In 1 case (As.) diagnosis Meningitis altered to Lymphocytic Chorio-Meningitis.
- In 1 case (Eur.) diagnosis Poliomyelitis altered to Enteritis.
- In 1 case (Nat.) diagnosis Poliomyelitis altered to Pneumococcal Meningitis.
- In 1 case (Eur.) diagnosis Poliomyelitis altered to Mumps Encephalitis.
- In 2 cases (1 Eur., 1 Nat.) diagnosis Poliomyelitis altered to Influenza.
- In 1 case (Nat.) diagnosis Poliomyelitis altered to Bronchitis.
- In 1 case (Nat.) diagnosis Poliomyelitis altered to Typhoid Fever.

In/

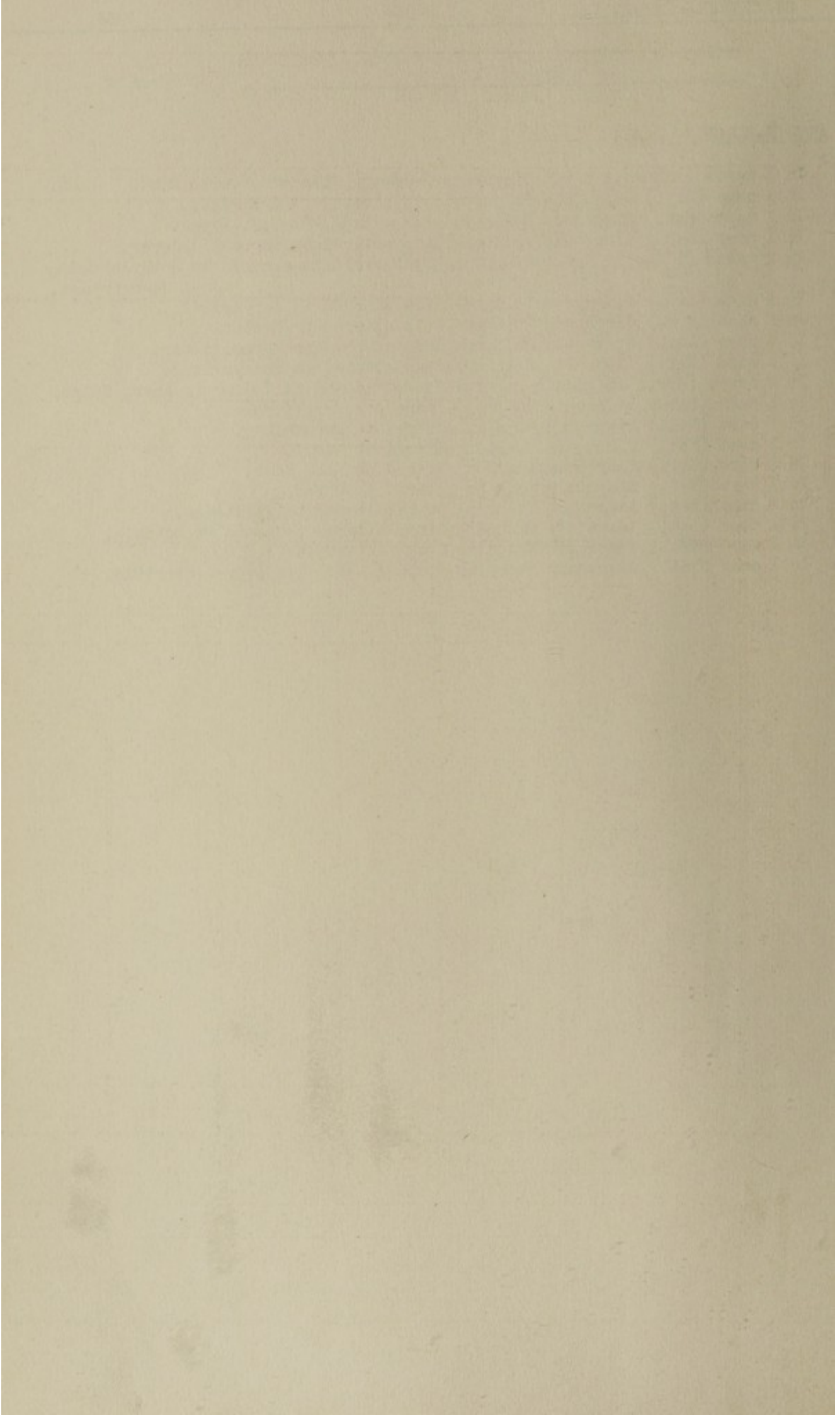


ISOLATION HOSPITAL AND NON-EUROPEAN INFECTIOUS
DISEASES HOSPITAL

Cont'd.

OUT-OF-BOROUGH CASES

In 3 cases (1 Eur., 2 Nat.) diagnosis Poliomyelitis altered to P.U.O.
In 1 case (Nat.) diagnosis Poliomyelitis altered to Arthritis.
In 1 case (Nat.) diagnosis Poliomyelitis altered to C.S. Fever.
In 1 case (Nat.) diagnosis Poliomyelitis altered to Rheumatic Fever.
In 2 cases (1 As., 1 Nat.) diagnosis Poliomyelitis altered to Subarachnoid
Haemorrhage.
In 1 case (Eur.) diagnosis Poliomyelitis altered to Laryngitis.
In 1 case (Eur.) diagnosis Poliomyelitis altered to Hysteria.
In 1 case (Eur.) diagnosis Poliomyelitis altered to Appendicitis.
In 1 case (Nat.) diagnosis Poliomyelitis altered to Pharyngitis.
In 2 cases (Eur.) diagnosis Poliomyelitis altered to Injury to Knee, Spine.
In 1 case (Nat.) diagnosis Measles altered to Kwashiorkor.
In 1 case (Nat.) diagnosis Measles altered to Bronchitis.
In 1 case (Nat.) diagnosis Measles altered to P.U.O.
In 1 case (Eur.) diagnosis Measles altered to Food Rash.
In 1 case (Nat.) diagnosis Measles altered to Thrush.
In 1 case (Nat.) diagnosis Whooping Cough altered to Influenza.
In 1 case (Nat.) diagnosis Whooping Cough altered to Acute Bronchitis.
In 1 case (Nat.) diagnosis Whooping Cough altered to P.U.O.
In 1 case (Nat.) diagnosis Whooping Cough altered to Gastro-enteritis.



INFANT WELFARE1. INFANT CLINICS

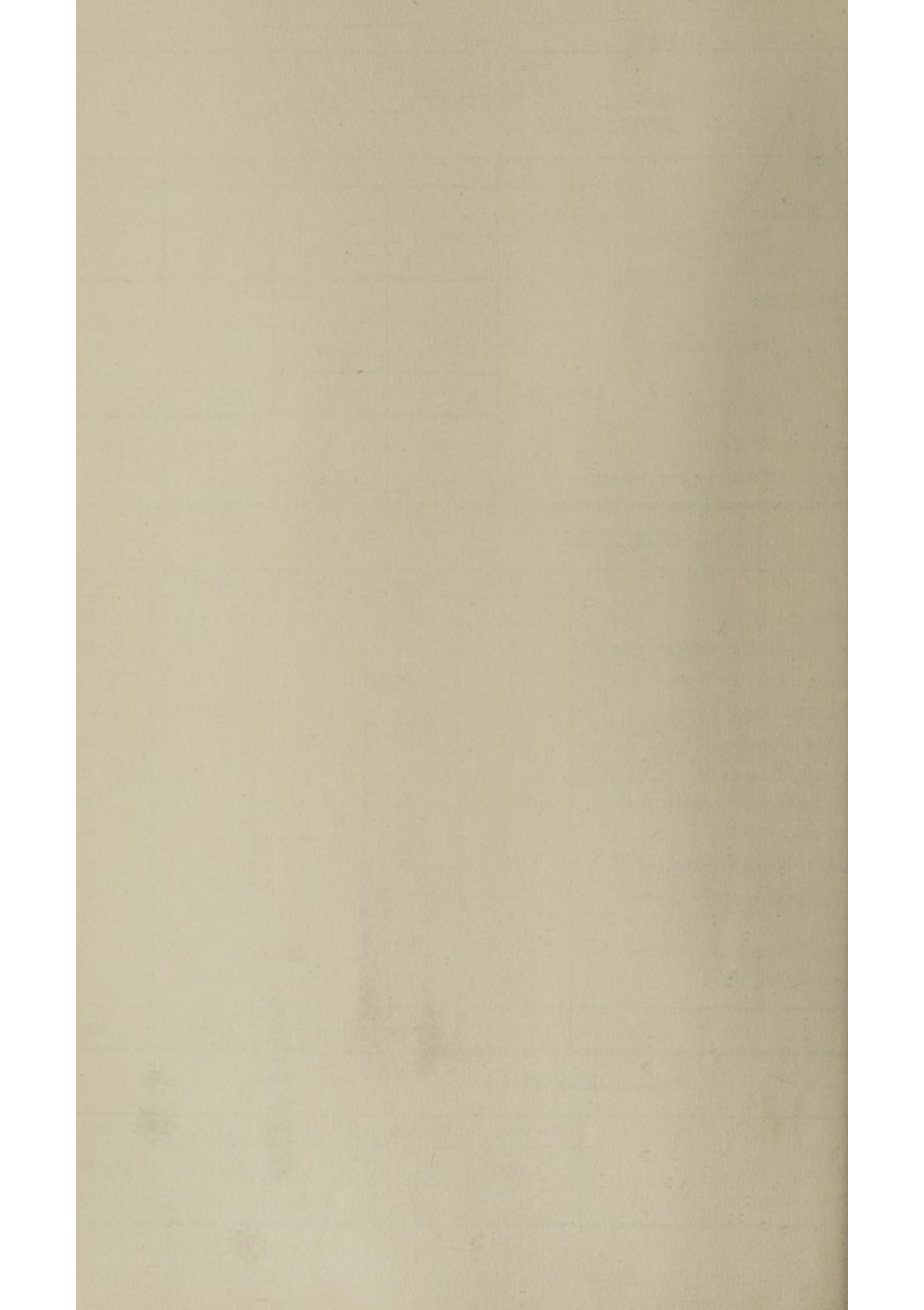
	European	Native	Coloured	Asiatic
<u>NEW CASES:</u>				
Under 1 Year	534	708	163	619
Over 1 Year	8	42	2	7
<u>ATTENDANCES:</u>				
Under 1 Year	6,594	6,027	1,542	5,596
Over 1 Year	440	1,737	442	913
TOTAL :	7,034	7,764	1,984	6,514
Number on Register	858	1,055	312	877
Average Attendance per person	8.2	7.4	6.4	7.4

2. HOME VISITS

	European	Native	Coloured	Asiatic	Total
Ante-Natal	2	277	120	63	462
First Visits - (Notified Births)	568	490	151	671	1,880
Re-visits - under 1 year	592	2,204	169	439	3,404
Re-visits - over 1 year	363	2,119	559	1,754	4,815
Infectious Disease (Non-T.B.)	244	41	26	7	318
Protected Infants	1	28	5	13	47
Pediculosis and Scabies Visits	0	10	0	0	10
Confinement Visits	0	781	0	0	781
Infantile Mortality Visits	13	46	4	27	90
Nursing Home and Day Nursery Inspections	0	0	0	0	0
Housing Investigations	0	0	0	0	0
Other Home Visits	24	52	38	36	150
TOTAL :	1,827	6,048	1,072	3,010	11,957

3. MILK DISTRIBUTED

	European	Native	Coloured	Asiatic	Total
Fresh - Pints	2,636	9,099	5,387	10,928	27,257
Dried - lbs.	6	932	258	1,100	2,296



FOODSTUFFSSAMPLES TAKEN AND SUBMITTED FOR ANALYSIS1. MILK.(a) Bacteriological Examination.

Samples with less than 30,000 bacteria per c.c.	: 27 (inc. 3 Pasteurised).
Samples with between 30,000 and 200,000 bacteria per c.c.	: 16 (inc. 1 Pasteurised).
Samples with more than 200,000 bacteria per c.c.	: 25
<u>TOTAL</u>	: <u>68 (inc. 4 Pasteurised).</u>

Samples with B. Coli present in 1/100 c.c. or less:	66
Samples with B. Coli present in 1/10 but not in 1/100 c.c.	: 36 (inc. 4 Pasteurised).
Samples with B. Coli absent in 1/10 c.c.	: 26 (inc. 3 Pasteurised).
<u>TOTAL</u>	: <u>128 (inc. 7 Pasteurised).</u>

(b) Chemical Examination (By Government Analyst).

Samples with Solids-Not-Fat 8.5% and over	: 17
Samples with Solids-Not-Fat over 8% and under 8.5%:	2
Samples with Solids-Not-Fat below 8%	: 0
<u>TOTAL</u>	: <u>19</u>

Samples with Butter Fat 3% and over	: 19
Samples with Butter Fat under 3%	: 0
<u>TOTAL</u>	: <u>19</u>

(c) Phosphatase Testing of Pasteurised Milk.

Samples sufficiently heat treated	: 370
Samples not sufficiently heat treated	: 0
<u>TOTAL</u>	: <u>370</u>

2. ICE CREAM.

Samples of Ice Cream conforming to standard	: 5
Samples of Ice Cream not conforming to standard	: 0
<u>TOTAL</u>	: <u>5</u>

3. SAUSAGE.

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

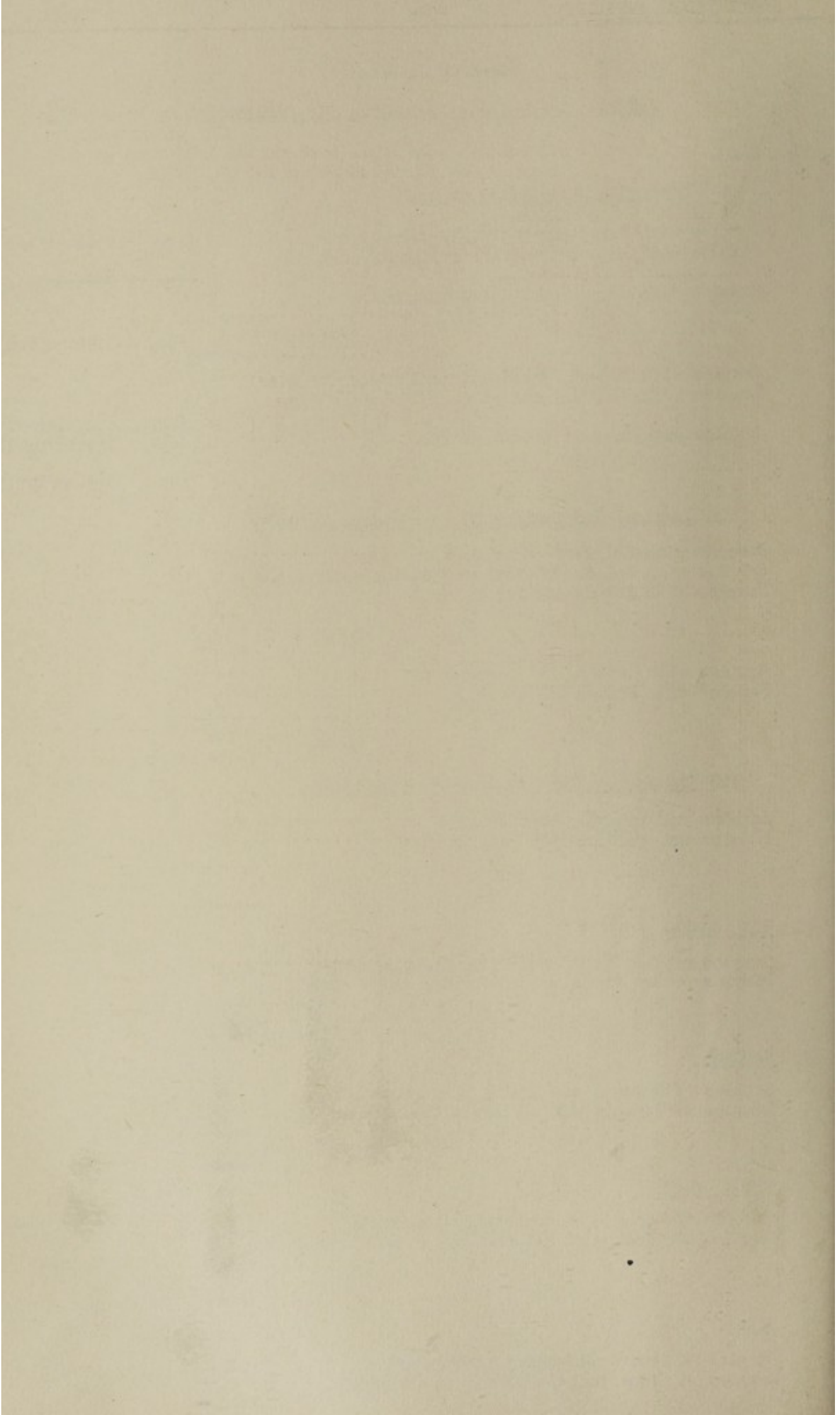
4. MINCE MEAT.

Samples of Mince Meat conforming to standard	: 12
Samples of Mince Meat not conforming to standard	: 0
<u>TOTAL</u>	: <u>12</u>

5. CREAM.

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

6. WATERS/



FOODSTUFFS Cont'd.

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.	No. of Samples
Class I. Highly satisfactory 0	140
Class II. Satisfactory 1-2	20
Class III. Suspicious 3-10	5
Class IV. Unsatisfactory Over 10	0
<u>TOTAL</u> :	<u>165</u>

MUNICIPAL SWIMMING BATHS.

Probable No. of Organisms in 100 c.c.	
Class I. Highly satisfactory 0	4
<u>TOTAL</u> :	<u>4</u>

OTHER SWIMMING BATHS.

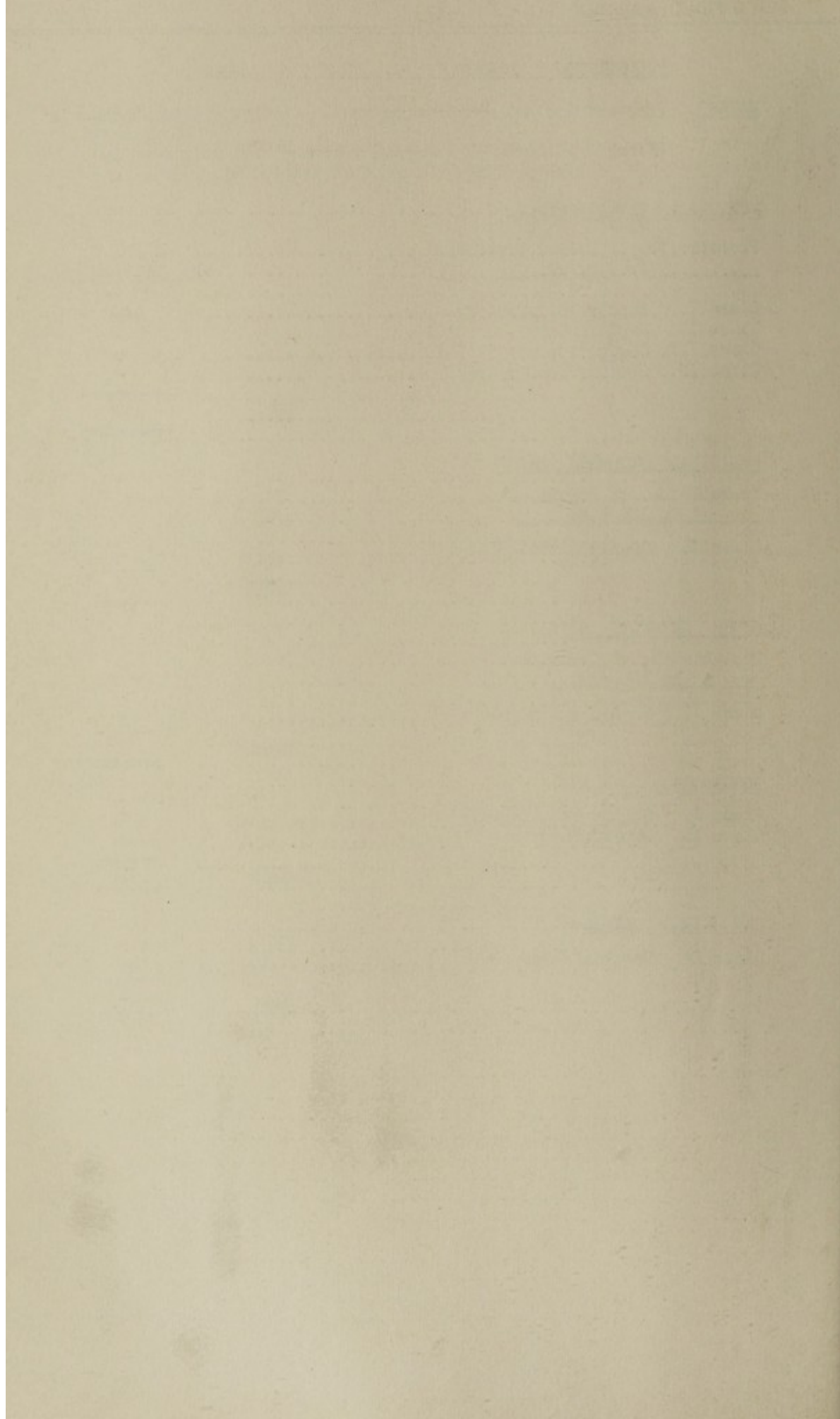
Probable No. of Organisms in 100 c.c.	
Class I. Highly satisfactory 0	2
<u>TOTAL</u> :	<u>2</u>

BOREHOLES.

Class I. Highly satisfactory 0	9
Class II. Satisfactory 1-2	1
<u>TOTAL</u> :	<u>10</u>

RAW RIVER WATERS.

Class IV. Unsatisfactory Over 10	28
<u>TOTAL</u> :	<u>28</u>



FOODSTUFFS CONDEMNED AS UNFIT FOR HUMAN
CONSUMPTION

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

Apples	13 cases
Barley	1 lb.
Bananas	2 lbs.
Breadcrumbs	1 pkt.
Beans - Green	7 pockets, 10 boxes
Beans - Dry	33 lbs.
Bingo	1 bottle
Biscuits	12 pkts.
Baking Powder	5 tins
Bird Seed	21 pkts.
Cake mix and meal	3 pkts, 2 pkts.
Cake, colouring	1 oz.
Cake, flavouring	9 bottles
Curry Powder	31 lbs. 4 oz.
Chutney	21 bottles
Cocoa	1 tin
Cocoa, beans	21 bags
Cocconut	1 lb.
Cocconut, essence	1 bottle
Coffee	5 lb. 2 pkts.
Coffee Essence	4 bottles
Cherries	6 oz.
Chow-Chow	1 bottle
Chana flour	12 pkts.
Citro Squash base	2 bottles
Cereals	31 packets
Cocktail snacks	17 jars
Camel Mixture	1 bottle
Cheese Spread	1 box
Cream	4 tins
Cornflour	12 pkts.
Cucumbers	16 pkts.
Cabbages	7 bags, 24
Chocolate, Drinking	1 tin
Custard Powder	1 lb.
Epsom Salts	1 lb.
Eggs	114 ²⁷ 12 doz.
Frankfurters	12 tins
Fowls, live	2
Fowls, dressed	70
Fish Paste	21 jars
Fish, tinned	622 tins
Fruit (tinned)	809 tins
Fruit Juices	45 tins
Flour	32 lbs.
Ground Mace	2 oz.
Grapes	$\frac{1}{2}$ lug
Guinea Fowls	1
Ginger Preserve	6 oz.
Honey	2 bottles
Icing Sugar	4 pkts.
Instant Puddings	4



FOODSTUFFS CONDEMNED Cont'd.

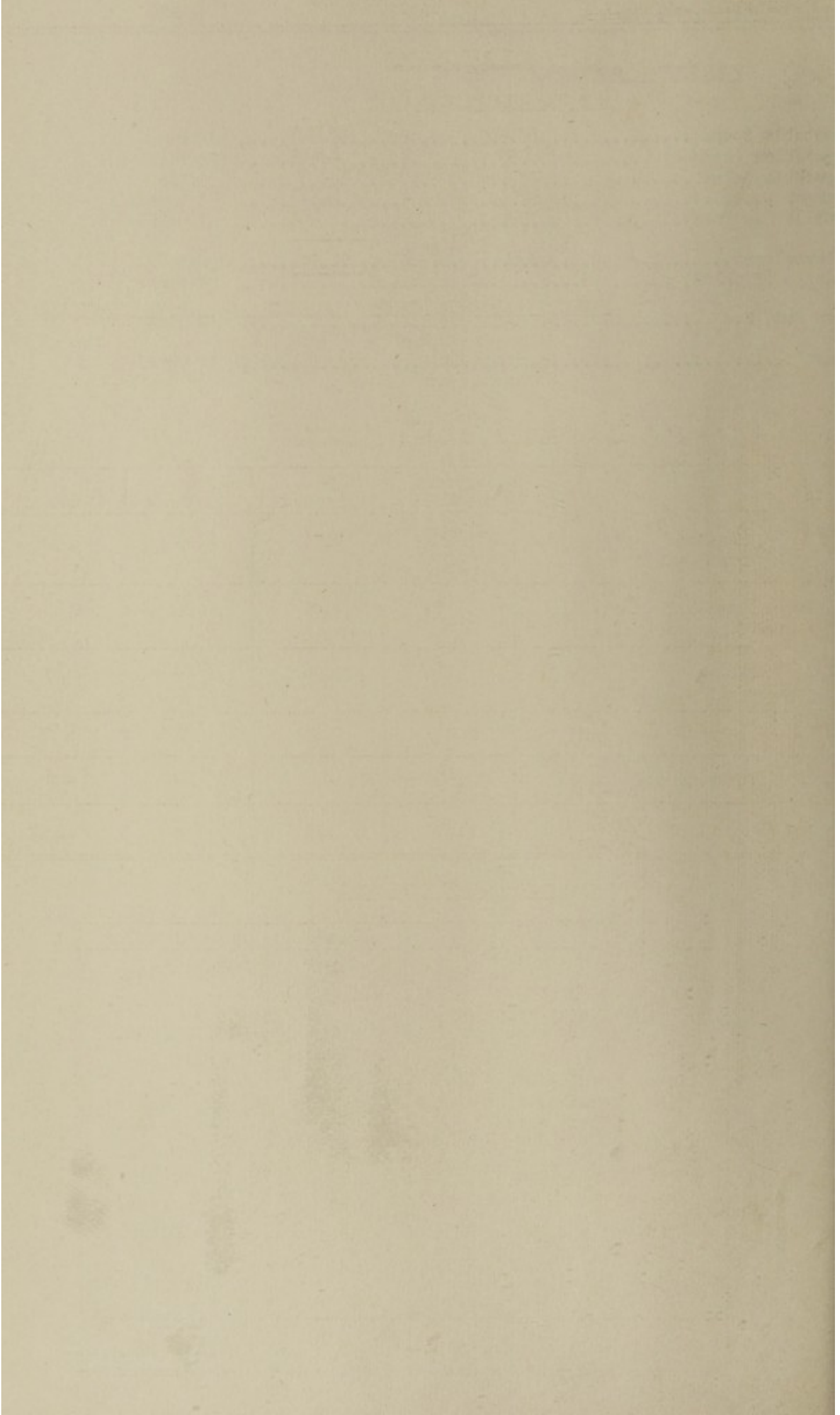
Jam	974 tins
Jelly Powder	2 pkts.
Kippers	18 lbs.
Lemon Cordials	15 bottles
Lentils	1 lb.
Mayonnaise	11 bottles
Meat (tinned)	102 tins
Milk (condensed)	88 tins
Milk (malted)	3 lbs.
Mangoes	2 boxes
Mixed Spice	13 bottles
Meat extract	3 jars
Nutmeg Powder	3 bottles
Olives	3 bottles
Oats	48 pkts.
Pawpaws	22 trays
Paprika	1 oz.
Peaches	125 boxes
Pineapples	1 box
Puddings	14 pkts.
Peas, split	3 pkt.
Peas	1 bag, 1 pkt., 12 pockets
PeafLOUR	11 pkts.
Pickles	21 bottles
Peanut Butter	15 bottles
Postum	3 jars
Pepper	3 oz.
Pepper Compound	25 ozs.
Plums	4 trays
Potatoes	1 bag, 76 pockets
Polish	1 tin, 1 jar
Rice	3 lbs.
Seasoning	1 bottle
Senna Seed	4 lbs.
Spaghetti	2 tins
Syrup	19 tins
Salt	7 pkts.
Sandwich and assorted spreads	30 jars
Sauce	5 bottles
Sugar	10 lbs.
Soups	3 tins
Sweets	36½ lbs.
Soda -- Bicarb	12 pkts.
Sauer Kraut	9 tins
Shallots (brined)	396 lbs.
Tomato Sauce	1 bottle
Tomato Paste	5 tins, 23 jars
Tomatoes	1 box
Tea	4 pkts.
Turkey	1 (20 lbs.)
Unlabelled Packages	18 tins, 23 bottles

Vegetable



FOODSTUFFS CONDEMNED Cont'd.

Vegetable Soups	60 tins
Vegetables (tinned)	208 tins
Vegetable Salad	1 jar
Vinegar	1 bottle
Vanilla Essence	1 bottle
Watermelons	1,036
Walnuts (Pickled)	2 jars
Xmas Puddings	2 tins
Yeast	12 pkts.



ABATTOIR1. ANIMALS SLAUGHTERED:

Cattle	:	13,626
Calves	:	1,814
Sheep	:	32,248
Pigs	:	3,715
Goats	:	138
TOTAL		51,541

2. ANIMALS EXAMINED AFTER SLAUGHTER IN OTHER ABATTOIRS:

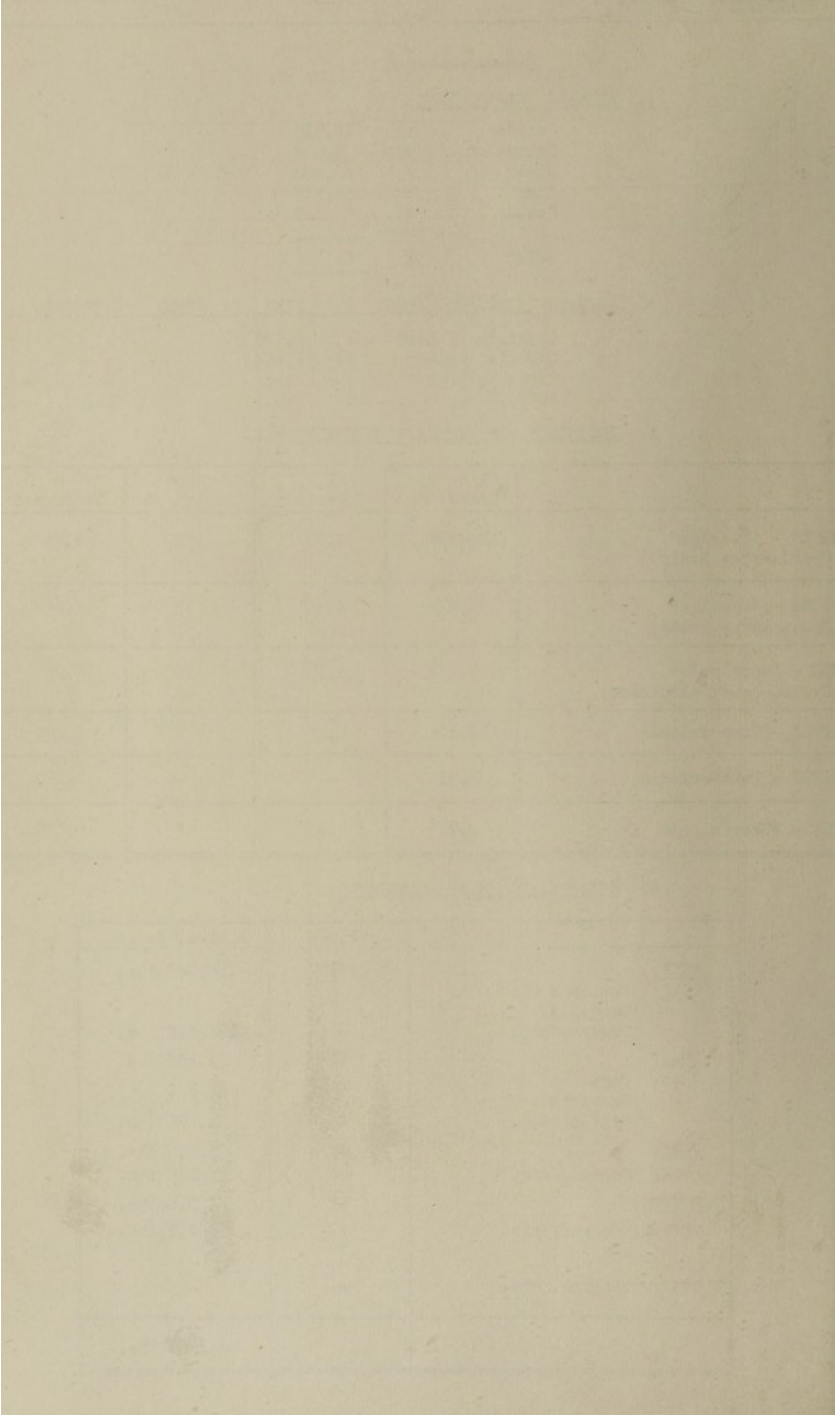
Quarters of Beef	:	6,118
Carcasses Mutton	:	1,454
Carcasses Pork	:	-
Beef Offal	:	-

3. INCIDENCE OF CERTAIN DISEASES:

	Carcases Examined	% Infected	Carcases Condemned	% Condemned
CATTLE - "Measles" (Cysticercus Bovis)	13,626	8.7%	292	1.4%
CALVES - "Measles" (Cysticercus Bovis)	1,814	4.4%	35	1.9%
PIGS - "Measles" (Cysticercus Cellulosae)	3,715	1.0%	33	0.9%
CATTLE - Tuberculosis	13,626	0.2%	8	0.06%
CALVES - Tuberculosis	1,814	-	-	-
PIGS - Tuberculosis	3,715	1.9%	5	0.13%

4. SUMMARY OF MEAT CONDEMNED:

	Carcases	Approx. Weight
<u>BEEF:</u>	256	118,580 lbs.
BEEF: Portions of Carcases, Organs, etc.	-	150,523 lbs.
<u>VEAL:</u>	71	3,235 lbs.
VEAL: Portions of Carcases, Organs, etc.	-	68 lbs.
<u>PORK:</u>	46	8,020 lbs.
PORK: Organs, etc.	-	2,640 lbs.
<u>MUTTON:</u>	31	1,015 lbs.
MUTTON: Organs, etc.	-	85,618 lbs.
<u>GOAT:</u>	-	-
GOAT: Organs, etc.	-	-
		369,699 lbs.



ABATTOR Cont'd.

MEAT CONDEMNED (Approximate Weight)

Statement of Carcasses and Meat found to be affected with disease
and unfit for human consumption.

[illegible]



L I C E N C E A P P L I C A T I O N S

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

Borough By-Laws.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Applications Received	4	48	27	15	13	88	137	33	9	104	84	106	4	1	1	30
Applications Approved	3	33	23	13	10	69	110	30	9	79	74	96	3	-	1	25
Applications Approved Subject to Requirements	1	11	3	2	3	17	24	3	-	20	6	7	1	1	-	5
Applications Disapproved	-	1	-	-	-	-	1	-	-	1	-	1	-	-	-	-
Applications Withdrawn	-	3	1	-	-	2	3	-	-	4	4	2	-	-	-	-

Key to Table:-

1. Apothecary.
2. Boarding Houses, Butchers, Building Contractors.
3. Cobbler and Contractor.
4. Depot, Dressmakers and Dry Cleaners.
5. Entertainment and Eating Houses.
6. Fresh Produce, Fumigator, Flats & Furniture Manufacturer.
7. General Dealer, Garage.
8. Hairdresser and Hawker.
9. Laundry and Letting of Flats, Kennel Keeper.
10. Manufacturer, Mineral Water Dealer and Milk Purveyor.
11. Pedlar, and Patent Prop. Medicines.
12. Refreshment Room.
13. Storage, Speculator and Sawmill.
14. Tea Rooms and Tailors.
15. Undertakers.
16. Warehouses.

(2) Applications dealt with under Urban Areas Act.

Applications Received	530
Applications Returned "Not in Order"	49
Applications Approved Subject to Conditions	67
Applications Approved for Temporary Licence	2
Applications Withdrawn	2



SANITATION

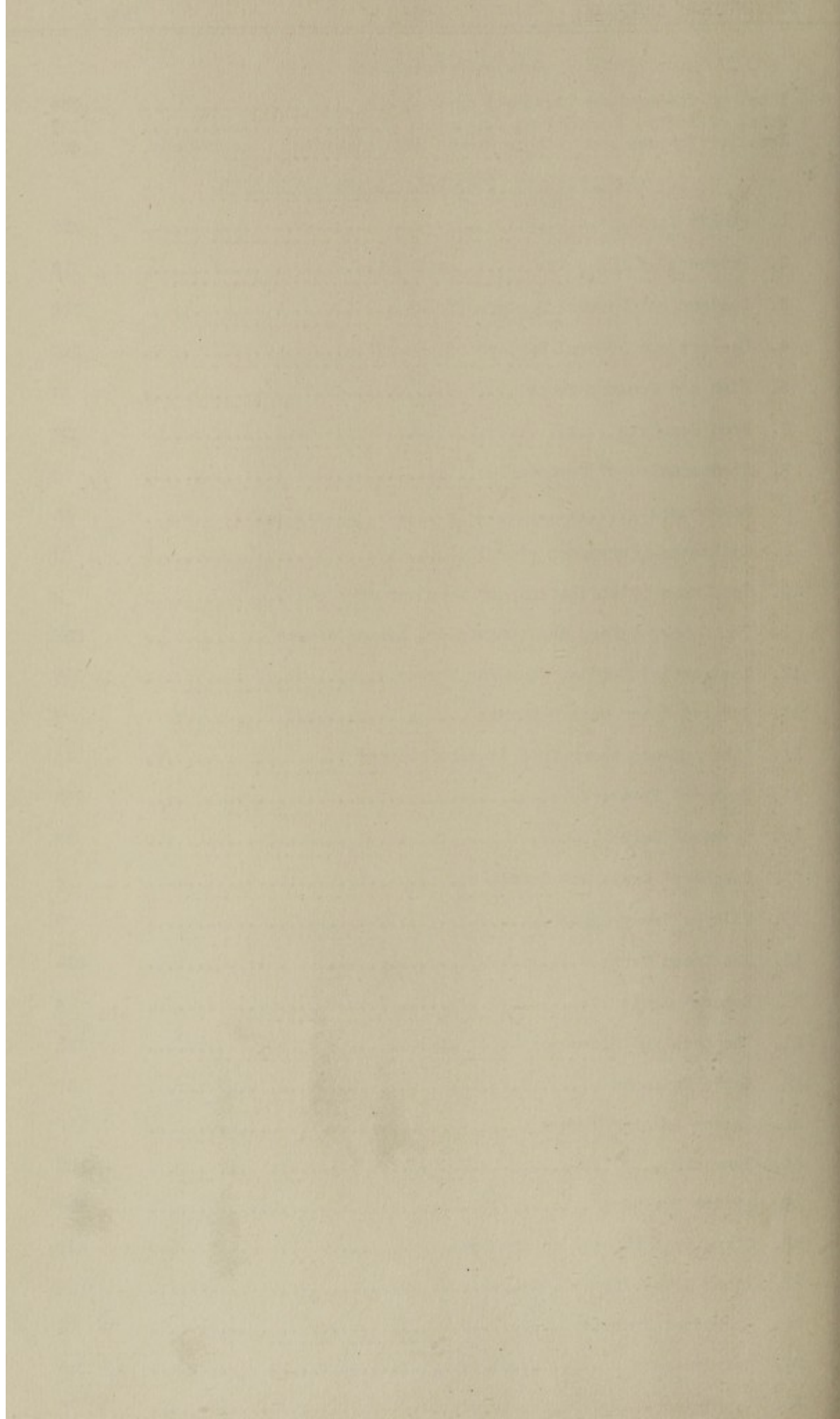
Total of Inspections (General) carried out	14,659
Total of Rodent Inspections	2,127
Total of Notices and letters served re Contravention of By-Laws.	1,477

INSPECTIONS (GENERAL) GIVEN IN DETAIL

1. Public Markets	276
2. Butchers' Shops	119
3. Dealers and General Dealers (Food)	670
4. Dealers and General Dealers (No Food)	256
5. Fish and Poultry Shops	36
6. Food Sampling	537
7. Condemnation of Foodstuffs	38
8. Bakehouses	38
9. Milkshops (Purveyors of Milk)	59
10. Ice Cream (Distributors and Manufacturers of)	9
11. Tea Shops, Cafes, Restaurants and Eating Houses	335
12. Residential Hotels, Boarding Houses	118
13. Aerated Water Manufacturers	9
14. Other places where food is manufactured	14
15. Hawkers' Premises	193
16. Hawkers' Carts	93
17. Butchers' Carts and Carriers	4
18. Milk Delivery Carts	9
19. Ice Cream Carts	216
20. Bakers' Carts	4
21. Theatres and Bioscopes	21
22. Smoke Nuisance	30
23. Common Lodging Houses	117
24. Barracks	103
25. Native Quarters	396
26. Structural Defects in Premises	441
27. Other House Inspections	154
28. Undrained Premises	19
29. Hairdressers	23
30. Laundries	73

c/forward.

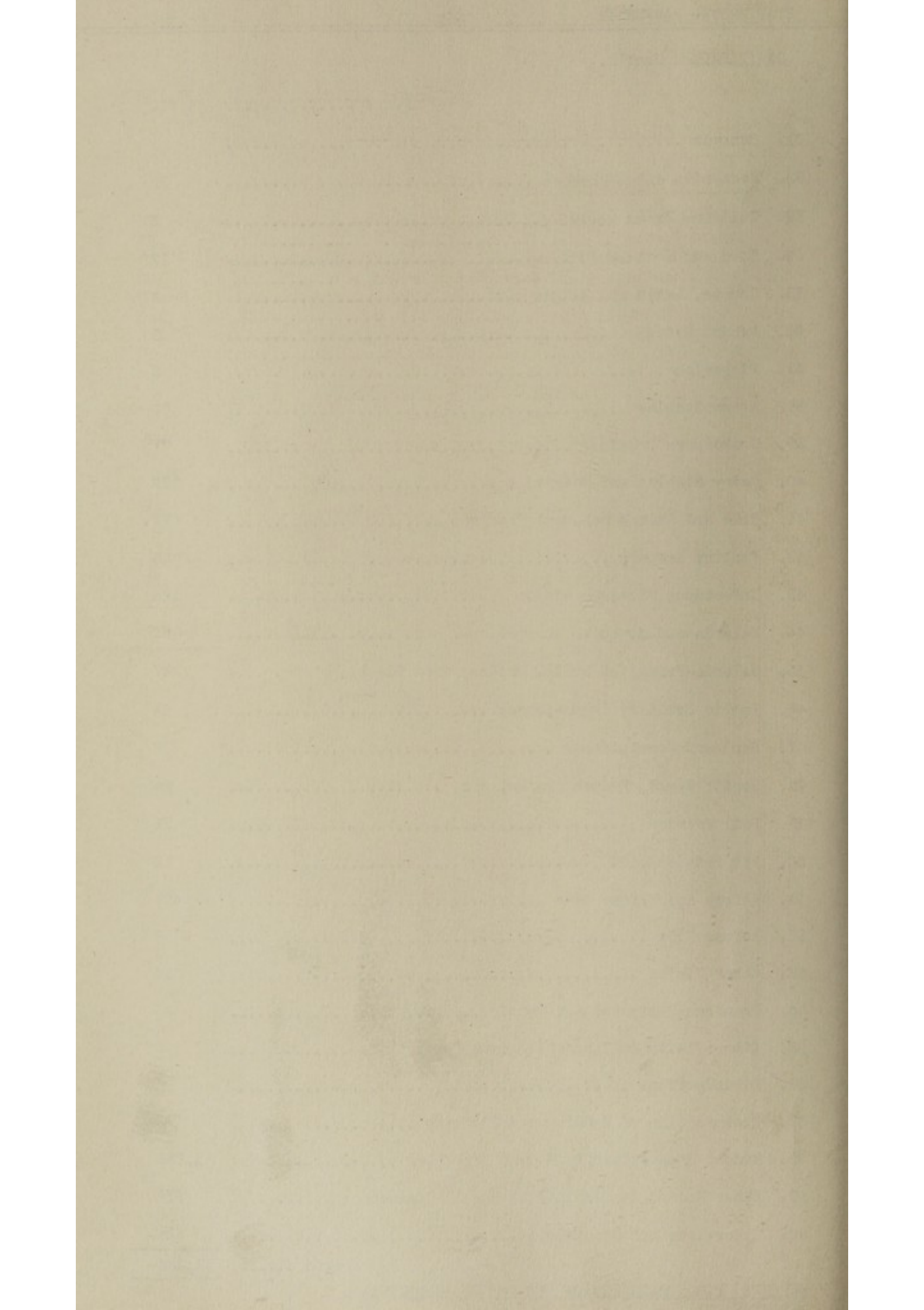
4,410



SANITATION Cont'd.

	b/forward	4,410
31. Schools		1
32. Factories and Workshops		32
33. Builders Yards		3
34. Wood and Coal Yards		17
35. Courts, Lanes and Alleys		4
36. Vacant Ground		108
37. Piggeries		2
38. Horse Stables		60
39. Cowkeepers Premises		71
40. Dairy Stables and Dairies		983
41. Hide and Skin Merchants' Premises		14
42. Poultry Keepers		254
43. Infectious Diseases Visits		124
44. Malaria and Mosquito Inspections, etc.		920
45. Malaria-Permanent Works, Drains, Tree Planting, etc.		297
46. Public Sanitary Conveniences		41
47. Sanitary Conveniences		112
48. Septic Tanks, French Drains, etc.		29
49. Pail Privies		71
50. Pit Privies		12
51. Refuse and Refuse Bins		489
52. Refuse Tips		59
53. Other Visits		384
54. Premises Fumigated for Vermin		10
55. Other Visits in Connection with Fumigation.....		5
56. Disinfections		1
57. Disinfection of Bedding and Clothing		3
58. Rodent Inspections by Rodent Inspector		1,755
59. Other Rodent Inspections by Health Inspectors		372
60. Interviews and Complaints		526
	c/forward	11,166

REPORTS FOR TRANSMISSION TO OTHER MUNICIPAL DEPARTMENTS.(1) CITY ENGINEER'S DEPARTMENT



SANITATION

Cont'd.

b/forward 11,166

REPORTS FOR TRANSMISSION TO OTHER MUNICIPAL DEPARTMENTS.(1) CITY ENGINEER'S DEPARTMENT.

61. Blocked Sewers, etc.	78
62. Street Drains	57
63. Defective Water Fittings	79
64. Defective Surface and Waste Water Drains	142
65. Other Defects	20
66. Unauthorised Structures	196
67. Sites, etc. re Plans	795
68. Water Sampling	8

(2) MUNICIPAL NATIVE ADMINISTRATION DEPARTMENT.

69. Licensing and Other Inspections of Premises under Urban Areas Act	659
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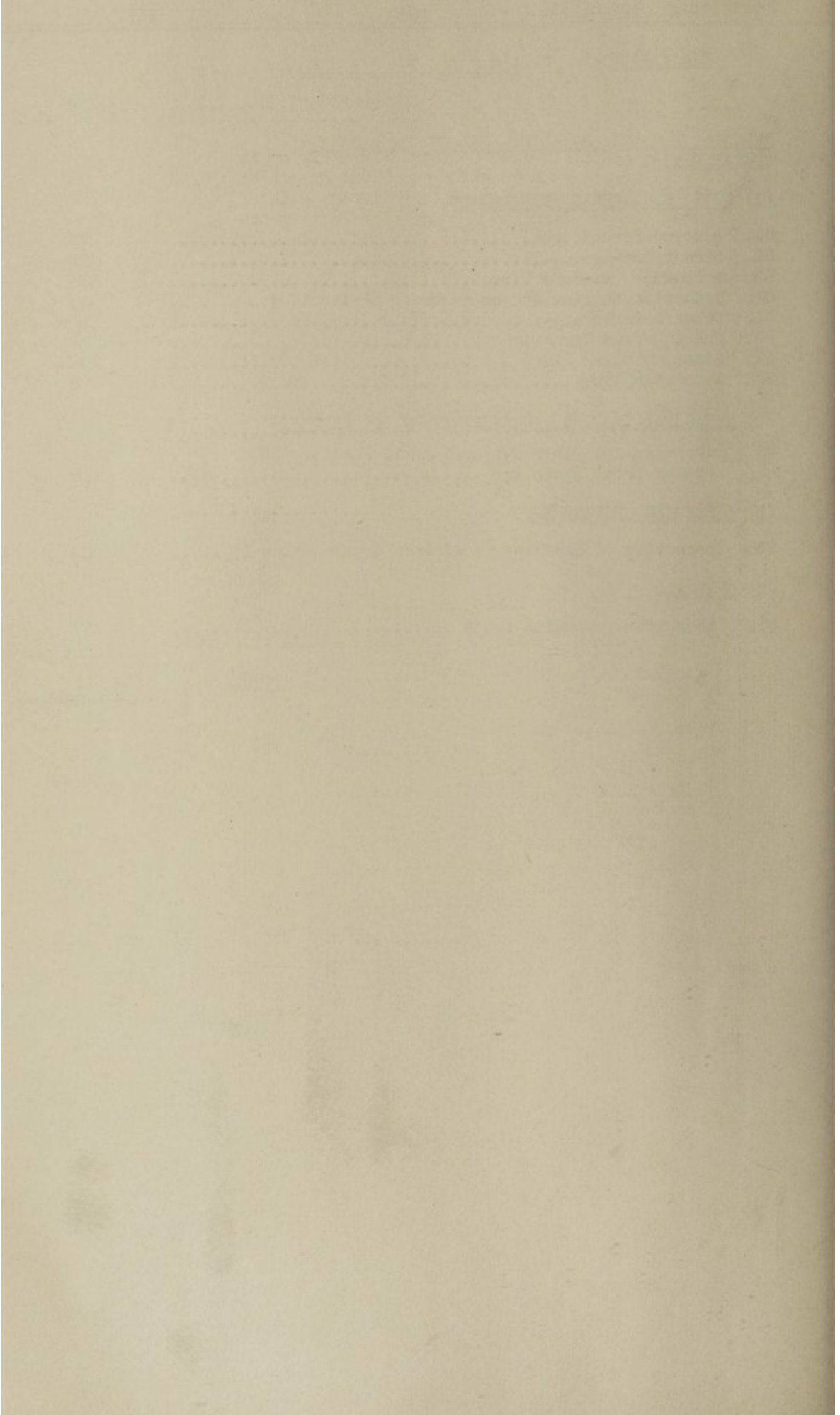
(3) LICENSING DEPARTMENT.

70. Inspection of Premises re Licence Applications	1,284
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(4) GENERAL.

71. Other transportation trips	172
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TOTAL : 14,659



PROSECUTIONS

Total number of Prosecutions instituted: 18

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-Proof-
ing Regulations) 2
Under Dairy By-Laws 14
Under Building By-Laws 1
Under Government Regulations regarding Prevention
of Rodent Infestation of Buildings & Premises 1

TOTAL : 18

Total number in which accused found guilty and
penalty imposed 13

Total number found not guilty, complied with,
acquitted or withdrawn 5

No. still pending 0

TOTAL : 18

CONDEMNED PREMISESRooms and Buildings Condemned and/or Demolished.

(a) Under Public Health By-Law No. 19(a):
(Closing Order) 0

(b) Under Public Health By-Law No. 19(b):
(Demolition Orders) 11
(10 of these premises demolished
during the year, 1 still awaiting
demolition).

(c) Under Building By-Laws re dilapidated
buildings 0

(d) Under Slums Act 0

(e) Voluntary Demolitions 12

TOTAL : 23

