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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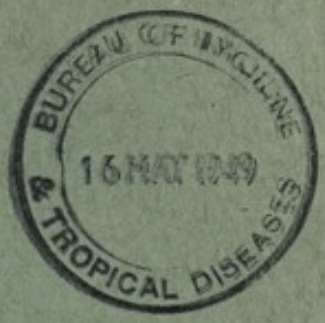

CITY OF PIETERMARITZBURG

ANNUAL REPORT

OF THE

MEDICAL OFFICER OF HEALTH

For the Twelve Months
1st July, 1947, to 30th June, 1948.

S.W., LTD. 69

CITY OF PIETERMARITZBURG

PUBLIC HEALTH DEPARTMENT

BUREAU OF HYGIENE & TROPICAL DISEASES
16 MAY 1949

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REPORT OF THE MEDICAL OFFICER OF HEALTH ON THE PUBLIC HEALTH & SANITARY CIRCUMSTANCES OF THE CITY OF PIETERMARITZBURG FOR THE YEAR ENDED JUNE 30th, 1948.

BY

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

MEDICAL OFFICER OF HEALTH.

INTRODUCTORY.

CITY OF PIETERMARITZBURG.

PUBLIC HEALTH DEPARTMENT.

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

Ladies and Gentlemen,

I have the honour to present the Annual Report on the Health and Sanitary Circumstances of the City of Pietermaritzburg, for the year ending 30th June, 1948.

Once again a favourable year has been experienced from the point of view of the health of the City.

There has been a further drop in the total incidence of Infectious Diseases, but this year Pietermaritzburg suffered, in common with the rest of South Africa, its 'worst ever' outbreak of Anterior Poliomyelitis.

Although private enterprise has been active in building for Europeans, there still is an acute shortage of housing for the less economically privileged European, and although the Council is pressing on with housing for the 'sub-economic' Native, absolutely nothing has been done for years for the Asiatic and their housing position must be described as desperate. It is probable that this factor plays a considerable part in the increasing incidence of Tuberculosis in this race.

The Tuberculosis position worsened slightly.

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

In conclusion I wish to record my appreciation of the support readily given to me at all times by the Mayor and the 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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REPORT "A"

CLIMATE AND RATEABLE VALUE.

Latitude - 29 degrees, 36 minutes, 4 seconds south.
Longitude - 30 degrees, 22 minutes, 46 seconds east.
Altitude - At Market Square : 2,160 feet.

TEMPERATURE AND RAINFALL :

	RAINFALL IN INCHES	ATMOSPHERIC TEMPERATURE			RELATIVE HUMIDITY Aver. Daily Percentage
		Av. Daily Maximum °	Av. Daily Minimum °	Av. Daily Mean °	
1947					
July	0.38	69.5	35.7	52.6	74.9%
August	0.25	78.4	44.5	61.4	71.7%
September	0.84	75.1	51.0	63.0	71.8%
October	3.10	78.3	55.3	66.8	70.5%
November	4.75	82.5	60.4	71.4	71.9%
December	3.85	80.6	59.9	70.2	72.1%
1948					
January	4.42	79.9	60.5	70.2	75.8%
February	4.63	81.8	63.3	72.5	79.0%
March	6.03	80.7	61.6	71.1	85.0%
April	3.16	75.5	54.6	65.0	87.5%
May	1.03	77.7	48.0	62.8	87.6%
June	0.00	75.1	36.8	55.9	77.2%
Total :	32.44				

AREA OF MUNICIPALITY : 31,080.11623 acres.

Value of Rateable Property : £12,877,875. 0. 0d.

Exempted Property : £4,568,965. 0. 0d.

RATES : General - 3½d.

Water - ½d.

CITY OF PIETERMARITZBURG.

LEADING VITAL STATISTICS.

YEAR ENDING 30th JUNE, 1948.

	European	Native	Coloured	Asiatic
* POPULATION (Estimated)	26,420	15,844	2,744	10,860
BIRTHS REGISTERED. BIRTH RATE (per 1,000 Population)	704 26.6	303 19.1	133 48.5	704 64.8
ILLEGITIMATE BIRTHS. (Percentage of total births)	3 0.4%	181 59.7%	28 21.1%	10 1.4%
DEATHS. CRUDE DEATH RATE (Corrected for outward transfer)	265 10.03	194 12.21	33 12.03	126 11.60
INFANTILE MORTALITY (Up to 1 yr.) DEATHS. RATE (Per 1,000 Births)	12 17.04	56 184.8	9 67.67	26 36.93
DEATHS in Children from 1 - 5 yrs. DEATHS. RATE (Per 1,000 Population)	6 0.23	26 1.64	5 1.82	16 1.48
PULMONARY TUBERCULOSIS. Code No. 015. DEATHS. RATE per 1,000 Population.	9 0.34	23 1.44	4 1.46	18 1.66
TUBERCULOSIS - OTHER FORMS Code Nos. 016 - 025. DEATHS. RATE (per 1,000 Population)	1 0.04	8 0.50	1 0.36	2 0.18
ENTERIC FEVER. Code No. 001. DEATHS. RATE (per 1,000 Population)	0 0	2 0.12	1 0.36	1 0.09
CANCER AND OTHER TUMOURS. Code Nos. 100 - 136. DEATHS. RATE (per 1,000 Population)	32 1.21	2 0.12	4 1.46	5 0.46
DISEASES OF THE HEART AND CIRCULATORY SYSTEM. Code Nos. 350 - 368. DEATHS. RATE (per 1,000 Population)	103 3.90	28 1.76	5 1.82	26 2.40
BRONCHITIS AND PNEUMONIA. Code Nos. 402 - 406. DEATHS. RATE (per 1,000 Population)	14 0.53	35 2.20	5 1.82	19 1.84

* (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 June 30th, 1948, calculated for Vital Statistical purposes. Temporary Visitors, the inmates of the Mental Hospital and Fort Napier Mental Institution, the prisoners in the Gaols and the patients in the Hospitals and the Sanatorium are excluded. This estimate is based on the Municipal Census of March 10th, 1946.

	European	Native	Coloured	Asiatic	All Non-Eur.	All Races
Male	12,720	10,810	1,326	5,860	17,996	30,716
Female	13,700	5,034	1,418	5,000	11,452	25,152
PERSONS	26,420	15,844	2,744	10,860	29,448	55,868

TOTAL BIRTHS REGISTERED.

(1) RESIDENTS.

	Male		Female		Persons			Percentage of illeg. to all births	Birth Rate per 1,000 Population
	Leg.	Illeg.	Leg.	Illeg.	Leg.	Illeg.	Total		
European	339	3	362	0	701	3	704	0.4%	26.6
Native	59	89	63	92	122	181	303	59.7%	19.1
Coloured	47	16	58	12	105	28	133	21.1%	48.5
Asiatic	364	6	330	4	694	10	704	1.4%	64.8
All Non-Eur.	470	111	451	108	921	219	1,140	19.2%	38.71
All Races	809	114	813	108	1,622	222	1,844	12.0%	33.01

(2) NON-RESIDENTS.

	Male		Female		Persons			Percentage of illeg. to all Births
	Leg.	Illeg.	Leg.	Illeg.	Leg.	Illeg.	Total	
European	153	5	119	1	272	6	278	2.2%
Native	596	382	550	371	1,146	753	1,899	39.7%
Coloured	15	9	16	7	31	16	47	34.1%
Asiatic	31	7	33	4	64	11	75	14.7%
All Non-Eur.	642	398	599	382	1,241	780	2,021	38.6%
All Races	795	403	718	383	1,513	786	2,299	34.2%

All Birth Rates showed a small decrease this year.

The European Birth Rate decreased from 27.15 to 26.6. The Native Birth Rate decreased from 21 to 19.1. The Coloured Birth Rate decreased from 57.5 to 48.5 and the Indian Birth Rate decreased from 67.2 to 64.8.

/ DEATHS

DEATHS

TOTAL DEATHS REGISTERED

(1) RESIDENTS

	Male		Female		PERSONS	
	Deaths	Rate per 1,000 Male Population	Deaths	Rate per 1,000 Female Population	Deaths	Death Rate
European	157	12.3	108	7.9	265	10.03
Native	121	11.1	73	14.5	194	12.21
Coloured	13	9.8	20	14.1	33	12.03
Asiatic	73	12.5	53	10.6	126	11.60
ALL NON-EUR.	207	11.45	146	12.75	353	11.99
ALL RACES	364	11.82	254	10.09	618	11.06

(2) NON-RESIDENTS.

European	:	92
Native	:	823
Coloured	:	24
Asiatic	:	43
All Non-Eur.	:	890
All Races	:	982

DEATHS. (Pages 5 - 7)

The European crude death rate dropped from 10.71 to 10.03. 56% of the deaths occurred in people over 65 years of age.

The Native death rate rose from 11.8 to 12.2. The Coloured death rate dropped from 12.4 to 12.03, and the Indian death rate dropped from 12.1 to 11.6. The death rate for all races was 11.1 as compared with 11.4 for last year.

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

European	:	18%
Native	:	72%
Coloured	:	70%
Asiatic	:	59%
All Non-European	:	68%

These figures once again show how much better the expectation of life is for Europeans than for the other classes of the community. The table on page 7 also indicates that two diseases generally associated with later life, viz. Cancer and Cardiac disease, far outweigh all other causes of death among Europeans. Among Non-Europeans, respiratory diseases, tuberculosis, heart disease and bowel infections, are the commonest causes of death. This year cardiac disease showed an increase in Europeans, and also registered a sharp increase in Natives, and a fairly sharp increase in Asiatics.

/DEATH RATES (PER 1,000 POPULATION) VARIOUS CAUSES ...

DEATH RATES (PER 1,000 POPULATION) : VARIOUS CAUSES
ABRIDGED LIST. (5th Decennial Revision)

RESIDENTS ONLY.

	European		Native		Coloured		Asiatic		All Non-Europeans		All Races	
1. Typhoid Fever	-	-	2	0.12	1	0.36	1	0.09	4	0.14	4	0.07
2. Plague	-	-	-	-	-	-	-	-	-	-	-	-
3. Meningococcal C.S. Meningitis	-	-	-	-	-	-	-	-	-	-	-	-
4. Scarlet Fever	-	-	-	-	-	-	-	-	-	-	-	-
5. Whooping Cough	-	-	-	-	-	-	-	-	-	-	-	-
6. Diphtheria	1	0.04	1	0.06	2	0.72	2	0.18	5	0.17	6	0.11
7. Pulmonary T.B.	9	0.34	23	1.44	4	1.46	18	1.66	45	1.53	54	0.97
8. T.B. Non-Pulmonary	1	0.04	8	0.50	1	0.36	2	0.18	11	0.37	12	0.21
9. Leprosy	-	-	-	-	-	-	-	-	-	-	-	-
10. Malaria	-	-	-	-	-	-	-	-	-	-	-	-
11. Syphilis	1	0.04	7	0.44	-	-	-	-	7	0.24	8	0.14
12. Influenza	-	-	-	-	-	-	2	0.18	2	0.07	2	0.04
13. Smallpox	-	-	-	-	-	-	-	-	-	-	-	-
14. Measles	-	-	-	-	-	-	-	-	-	-	-	-
15. Typhus Fever	-	-	-	-	-	-	-	-	-	-	-	-
16. Cancer	32	1.21	2	0.12	4	1.46	5	0.46	11	0.37	43	0.77
17. Diabetes	2	0.08	1	0.06	-	-	-	-	1	0.03	3	0.05
18. Cerebral Haemorrhage etc.	28	1.06	7	0.44	-	-	8	0.74	15	0.51	43	0.77
19. Cardiac Disease	89	3.37	17	1.07	3	1.10	19	1.75	39	1.32	128	2.29
20. Oth. Dis. of Circulatory System	14	0.53	11	0.69	2	0.72	7	0.64	20	0.68	34	0.61
21. Bronchitis & Pneumonia	14	0.53	35	2.20	5	1.82	19	1.75	59	2.00	73	1.31
22. Miner's Phthisis without T.B.	-	-	-	-	-	-	-	-	-	-	-	-
23. Miner's Phthisis with T.B.	-	-	-	-	-	-	-	-	-	-	-	-
24. Oth. Respiratory Dis.	7	0.27	3	0.19	1	0.36	2	0.18	6	0.20	13	0.23
25. Ulcer of Stomach & duodenum	2	0.08	-	-	-	-	-	-	-	-	2	0.03
26. Diarrhoea & Enteritis (Under 2 years)	2	0.08	21	1.32	3	1.10	5	0.46	29	0.98	31	0.55
27. Appendicitis	1	0.04	-	-	-	-	-	-	-	-	1	0.02
28. Dis. of Liver & Biliary passages	1	0.04	2	0.12	-	-	2	0.18	4	0.14	5	0.09
29. Nephritis	11	0.42	1	0.06	-	-	2	0.18	3	0.10	14	0.25
30. Dis. of Pregnancy &c.	-	-	2	0.12	1	0.36	-	-	3	0.10	3	0.05
31. Cong. Malformations & Dis. of Early Infancy	10	0.38	14	0.88	1	0.36	8	0.74	23	0.78	33	0.59
32. Suicide	2	0.08	-	-	-	-	1	0.09	1	0.03	3	0.05
33. Oth. Violent deaths	5	0.19	9	0.56	-	-	6	0.55	15	0.51	20	0.36
34. Oth. defined causes	29	1.10	26	1.64	4	1.46	16	1.47	46	1.56	75	1.34
35. Causes ill-defined	4	0.15	2	0.12	1	0.36	1	0.09	4	0.14	8	0.14
TOTAL :	265	10.03	194	12.21	33	12.03	126	11.60	353	11.99	618	11.06

SEASONAL OCCURRENCE OF DEATHS

AMONG RESIDENTS

	European			Native			Coloured			Asiatic			All Non-Eur.		
	M	F	P	M	F	P	M	F	P	M	F	P	M	F	P
July 1947	25	8	33	9	7	16	0	0	0	4	4	8	13	11	24
August	18	7	25	11	4	15	1	0	1	10	7	17	22	11	33
September	9	11	20	15	8	23	0	1	1	3	4	7	18	13	31
October	14	7	21	8	4	12	3	2	5	7	2	9	18	8	26
November	8	13	21	3	7	10	2	5	7	6	1	7	11	13	24
December	12	4	16	11	8	19	1	2	3	8	6	14	20	16	36
January	11	12	23	19	8	27	0	2	2	5	8	13	24	18	42
February	6	7	13	11	3	14	3	2	5	7	4	11	21	9	30
March	9	8	17	5	11	16	0	4	4	10	4	14	15	19	34
April	11	13	24	10	2	12	2	1	3	1	3	4	13	6	19
May	11	7	18	8	4	12	0	0	0	2	2	4	10	6	16
June 1948	23	11	34	11	7	18	1	1	2	10	8	18	22	16	38
TOTAL :	157	108	265	121	73	194	13	20	33	73	53	126	207	146	353

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.	5	7	12	31	25	56	4	5	9	16	10	26	51	40	91
1 - 2 yrs.	1	1	2	10	10	20	1	3	4	3	5	8	14	18	32
2 - 4 "	2	2	4	0	6	6	1	0	1	3	5	8	4	11	15
5 - 14 "	0	1	1	6	3	9	1	2	3	4	3	7	11	8	19
15 - 24 "	7	0	7	5	9	14	1	1	2	3	2	5	9	12	21
25 - 34 "	3	3	6	11	3	14	0	0	0	5	5	10	16	8	24
35 - 44 "	14	4	18	18	2	20	0	4	4	6	4	10	24	10	34
45 - 54 "	10	7	17	23	7	30	1	1	2	5	5	10	29	13	42
55 - 64 "	30	20	50	10	3	13	0	3	3	7	6	13	17	12	29
65 - 74 "	41	25	66	5	2	7	3	1	4	13	5	18	21	8	29
75 & Over	44	38	82	2	3	5	1	0	1	8	3	11	11	6	17
TOTAL :	157	108	265	121	73	194	13	20	33	73	53	126	207	146	353

(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	1 : 0.4%	3 : 1.5%	3 : 10.0%	3 : 2.4%
Tuberculosis (All forms)	10 : 3.8%	31 : 16.0%	5 : 16.7%	20 : 15.9%
Syphilis	1 : 0.4%	7 : 3.6%	0 : 0	0 : 0
Other Parasitic & Infectious Diseases	2 : 0.8%	2 : 1.0%	1 : 3.3%	4 : 3.1%
Cancer	32 : 12.1%	2 : 1.0%	4 : 13.3%	5 : 4.0%
Diabetes	2 : 0.8%	1 : 0.5%	0 : 0	0 : 0
Cerebral Haemorrhage, Thrombosis and Embolism	27 : 10.2%	7 : 3.6%	0 : 0	8 : 6.3%
Cardiac Diseases and Other Diseases of Circulatory System	103 : 38.9%	28 : 14.4%	5 : 16.7%	26 : 20.6%
Respiratory Diseases (Non-Tuberculous)	21 : 7.9%	38 : 19.6%	6 : 20.0%	21 : 16.6%
Enteritis and Diarrhoea (Under 2 years)	2 : 0.8%	21 : 10.8%	3 : 10.0%	5 : 4.0%
Nephritis	11 : 4.2%	1 : 0.5%	0 : 0	2 : 1.6%
Diseases Peculiar to First Year of Life	9 : 3.4%	13 : 6.7%	1 : 3.3%	8 : 6.3%
Senility	15 : 5.7%	3 : 1.5%	0 : 0	8 : 6.3%
Deaths from Violence	7 : 2.6%	9 : 4.6%	0 : 0	7 : 5.6%
Other Causes	: 8%	: 14.7%	: 6.7%	: 7.3%
TOTAL :	265 :	194 :	33 :	126 :

TOTAL NOTIFICATIONS OF INFECTIOUS DISEASE.

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

	European	Native	Coloured	Asiatic	All Non-Eur.	All Races
Enteric Fever	6	9	6	9	24	30
Pulmonary Tuberculosis	23[1]	49	9	32	90	113
Tuberculosis - Other Forms	5°	9	1	4	14	19
Scarlet Fever	24	-	-	-	-	24
Diphtheria	10*	4	5*	14	23	33
Murine Typhus Fever	1	1	-	-	1	2
Amoebic Dysentery (Removed from list of notifiable diseases 28/11/47.)	11	13	5	6	24	35
Ophthalmia Neonatorum	1	1	-	-	1	2
Erysipelas	2	1	-	-	1	3
Anterior Poliomyelitis	24	1	-	2	3	27
Puerperal Sepsis	1	1	-	1	2	3
Pemphigus Neonatorum	-	2	-	1	3	3
Cerebrospinal Fever (Meningococcal Meningitis)	-	3	-	1	4	4
TOTAL :	108	94	26	70	190	298

* Includes one "Carrier".
o Includes one case also notified as suffering from Pulmonary Tuberculosis.
1 Includes one case also notified as suffering from Non-Pulmonary T.B.

INCIDENCE per 1,000 POPULATION.

	European	Native	Coloured	Asiatic	All Non-European	All Races
Enteric Fever	6 : 0.23	9 : 0.57	6 : 2.18	9 : 0.83	24 : 0.82	30 : 0.54
Pulmonary T.B.	23 : 0.87	49 : 3.40	9 : 3.28	32 : 2.95	90 : 3.06	113 : 2.02
T.B. Oth. Forms	5 : 0.19	9 : 0.57	1 : 0.36	4 : 0.36	14 : 0.48	19 : 0.34
Scarlet Fever	24 : 0.91	- : -	- : -	- : -	- : -	24 : 0.43
Diphtheria	10 : 0.37	4 : 0.24	5 : 1.82	14 : 1.29	23 : 0.78	33 : 0.59
Murine Typhus Fever	1 : 0.04	1 : 0.06	- : -	- : -	1 : 0.04	2 : 0.04
Ophthalmia Neonatorum	1 : 0.04	1 : 0.06	- : -	- : -	1 : 0.04	2 : 0.04
Erysipelas	2 : 0.08	1 : 0.06	- : -	- : -	1 : 0.04	3 : 0.05
Anterior Poliomyelitis	24 : 0.91	1 : 0.06	- : -	2 : 0.18	3 : 0.10	27 : 0.48
Puerperal Sepsis	1 : 0.04	1 : 0.06	- : -	1 : 0.09	2 : 0.07	3 : 0.05
Pemphigus Neonatorum	- : -	2 : 0.12	- : -	1 : 0.09	3 : 0.10	3 : 0.05
C.S. Fever	- : -	3 : 0.19	- : -	1 : 0.09	4 : 0.14	4 : 0.07

(2) INFECTIOUS DISEASE.

There were 298 notifications of infectious disease, a small decrease on the total of 310 recorded for the previous year. (See page 8)

ISOLATION HOSPITAL (EUROPEAN INFECTIOUS DISEASE) (Page 55)

Altogether 189 patients were admitted during the year, 158 Borough and 31 Out-of-Borough. Figures for previous years were :-

1936-37 : 183; 1937-38 : 215; 1938-39 : 216; 1939-40 : 307; 1940-41 : 405
1941-42 : 259; 1942-43 : 334; 1943-44 : 318; 1944-45 : 159; 1945-46 : 193
1946-47 : 170.

Cases of Tuberculosis, Puerperal Sepsis and Typhoid Fever, are provided for at Grey's Hospital - the Provincial General Hospital - and the King George V Hospital for Tuberculosis, in Durban. Europeans needing hospitalisation for Venereal Disease are sent by arrangement to Addington Hospital, Durban. Cases of Anterior Poliomyelitis are now admitted to the Isolation Hospitals for the first 3 weeks (the presumably Infectious period) of their illness.

NON-EUROPEAN INFECTIOUS DISEASE HOSPITAL (Page 55)

Admissions totalled 304, 96 Borough, and 208 Out-of-Borough cases. Admissions since the opening of this hospital have been as follows :-

1942-43 : 252; 1943-44 : 344; 1944-45 : 332; 1945-46 : 238; 1946-47 : 305.

INFECTIOUS DISEASES HOSPITALISATION.

In the last two reports mention was made of the Council's negotiations with the Natal Provincial Administration on the Co-ordination of all the Infectious Diseases Hospitals for Pietermaritzburg City, the Peri-Urban Areas and the surrounding district, in order to overcome the difficulties and costs associated with the Administration of small scattered hospital units.

The Provincial Administration subsequently put forward to the City Council certain proposals by which the Infectious Diseases Hospitals would be built in association with the Provincial General Hospitals. In view of the Government's proposals to amend the Public Health Act so as to enable Local Authorities to hand over to the Government all their Personal Health Services, the Co-ordination Scheme has been reconsidered by the City Council in the light of these Government proposals, and it was decided not to adopt the Provincial Council's proposals, and a new scheme is now being prepared by the City Council.

AMBULANCE.

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

(1) Total number of cases removed : 5,372

(2) Infectious Cases Removed : 2,018

LABORATORY WORK.

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

Swabs for Diphtheria Bacilli	209
Swabs for Haemolytic Streptococci	72
Smears for Gonococcus, Vincents', Thrush	13
Sputum (T.B., fungus, organisms etc.)	23
Spinal Fluids	60
Bloods (Weil Felix, Widal, W.R.)	13
Stools (B. Typhosus)	15
Stools (T.B.)	18
Stools (E. Histolytica)	71
Stools (Parasites, etc.)	27
Urines (Chemical, microscopic, etc.)	13
Urines (B. Typhosus)	11
Urines (T.B.)	6
Pleural Fluids	2
Total C/F	553

LABORATORY WORK. Cont'd.

Total B/F ..	553
Milks - for Bacterial Count	77
Sections	2
Sweets (Bacteriological Examination)	1
TOTAL :	633

Work done in Departmental Laboratory :-

Mosquito Larvae examined : 4,450

NOTIFIABLE INFECTIOUS DISEASE

(a) ANTHRAX. No cases notified.

(b) SMALLPOX. No cases were notified and no cases of this disease were admitted to the Pietermaritzburg hospitals during the year.

(i) VACCINATION.

Vaccination at the Municipal Pass Office is carried out on every unvaccinated or inadequately vaccinated registrant at the Pass Office. (See Page 22)

In addition, since the Smallpox Epidemic of 1944, vaccination of infants (all races) has been carried out at the Municipal Infant Welfare Clinics, and adults applying to the Public Health Department are also vaccinated. This service serves to supplement the very limited free service available to the public through the Public Vaccination carried out by the District Surgeon, viz. 1 session every alternate week for Europeans and Non-Europeans.

The Registrar of Vaccination has supplied the following figures of total Vaccinations in Pietermaritzburg for the year :-

Successful Vaccinations	419
Insusceptible to Vaccination	21
Exempted from Vaccination	1

The number of Vaccinations carried out by this Department at its Clinics during this period was 731 (Eur. 253; Nat. 109; Col. 128; As. 241).

(ii) HOSPITAL ACCOMMODATION.

No proper provision has yet been made for the hospitalisation of Smallpox cases. Portion of the Venereal Diseases Hospital used for the reception of Non-European Smallpox cases during the epidemic of 1944, is still being reserved against the possibility of cases being received.

The provision of a special Smallpox (Formidable Epidemic) Hospital has been accepted by the City Council as a portion of the whole Infectious Diseases Hospitalisation Scheme which it is now considering. (See Infectious Diseases Hospitalisation, Page 9)

(c) DIPHTHERIA.

The total number of cases notified was 33, as compared with 39 for last year, and 1 European, 1 Native, 2 Coloureds and 2 Asiatics, died from this disease.

Immunisation, particularly of pre-school children, was continued throughout the year, a total of 774 children having completed the immunising course at the Infant Clinics, (275 of these being European, the same figure as last year). The main method employed of urging the need for immunisation is persuasion by the Health Visitor in the course of her routine visits, stress being laid on the need for immunising the pre-school child. Until about three quarters of the child population of Pietermaritzburg is immunised (a goal we are still far from attaining) there is not likely to be any permanent decrease in the incidence of this disease.

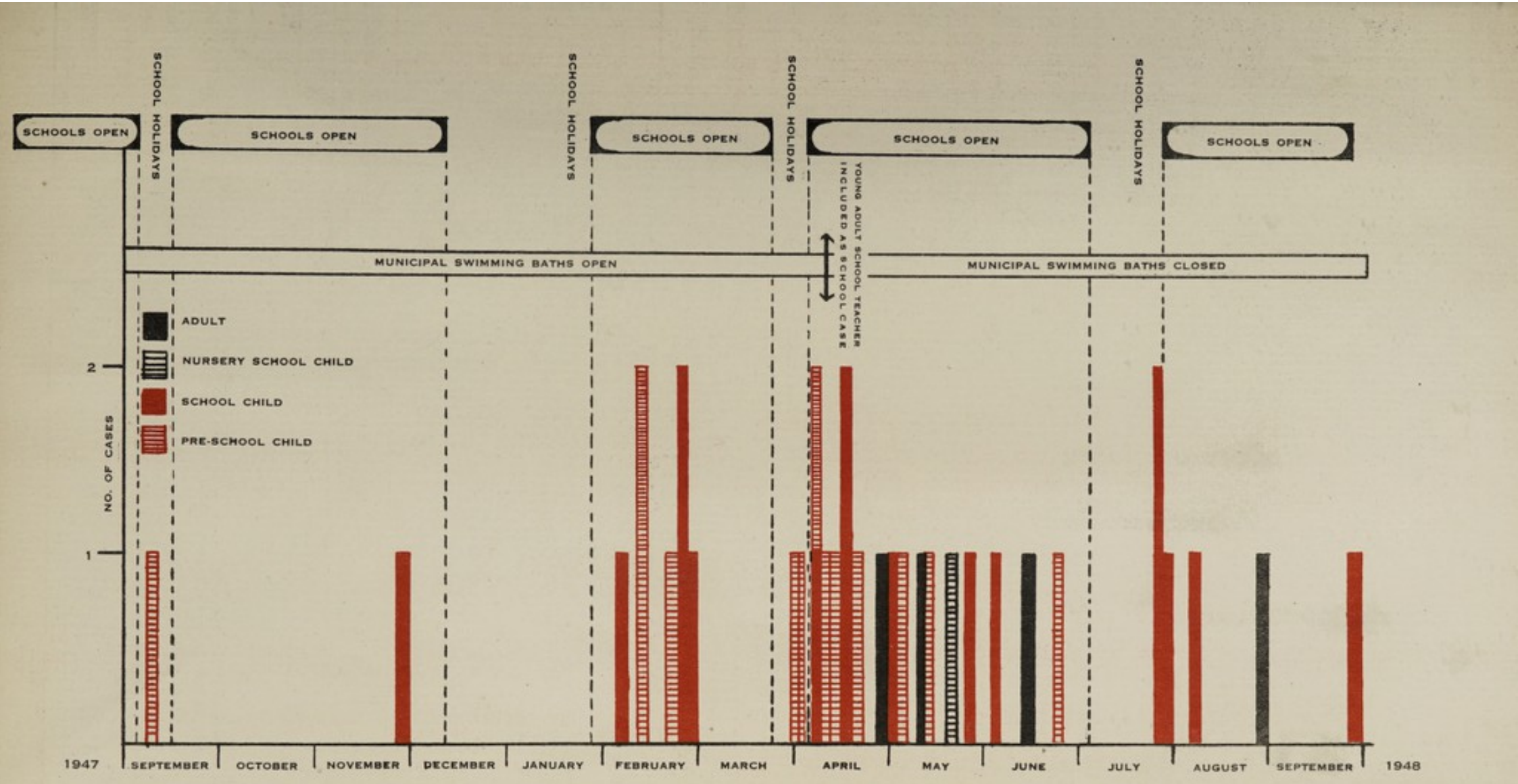

FIG 1. ANTERIOR POLIOMYELITIS — PIETERMARITZBURG 1947-1948.

DIPHTHERIA. Cont'd.

3 Cases of Diphtheria were notified in European children who had been previously immunised, one being a "virulent" carrier. These were all mild cases. The unimmunised brother of the "carrier" child died of the disease.

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

IPHTHERIA

R	EUROPEANS				NATIVES				COLOUREDS				ASIATICS			
	Births	Immunised	Notifications	Deaths	Births	Immunised	Notifications	Deaths	Births	Immunised	Notifications	Deaths	Births	Immunised	Notifications	Deaths
-8	352	-	25	1	187	-	2	1	75	-	-	-	238	-	2	-
-9	405	-	32	2	232	-	5	-	82	-	2	1	198	-	2	-
-40	403	18	41	3	199	-	2	-	86	-	2	1	149	-	5	-
-1	428	140	18	-	209	-	1	-	73	155	2	-	398	-	8	1
-2	515	191	25	1	217	-	4	-	114	23	-	-	425	56	2	1
-3	454	412	31	1	239	-	5	-	94	2	2	-	500	36	1	-
-4	550	447	53	1	274	33	16	2	104	16	3	-	526	-	4	1
-5	526	315	33	3	262	125	26	-	116	2	2	-	581	6	6	-
-6	587	225	36	-	189	91	9	1	103	66	5	2	558	46	10	1
-7	697	275	14	-	315	81	13	2	149	192	-	-	711	138	13	2
-8	704	275	10	1	303	118	4	1	133	120	5	2	704	261	14	2

No figures are available of the number of persons immunised by private practitioners.

) SCARLET FEVER.

24 Cases were notified as compared with 13 cases last year, and 37 the year prior to that. The disease continued to be mild.

) CEREBRO-SPINAL MENINGITIS.

4 Cases were notified during the year, the same total as last year.

) ANTERIOR POLIOMYELITIS.

27 Cases were notified after 2 years of complete freedom from this disease, Pietermaritzburg suffering from the most severe epidemic outbreak it has yet experienced, as part of the widespread epidemic of this disease which occurred in the Union.

The first case occurred in December, 1947, a school girl. Actually this case was only diagnosed in retrospect and notified 4 months later when it was realised that the weakness complained of was probably due to a previous attack of Poliomyelitis.

The next case occurred in February, a school boy, and within a period of 3 weeks, up to the end of February, 7 cases (4 school children and 3 pre-school children) were notified. There were no further cases, despite the fact that schools remained open for the next 3½ weeks, during the whole of March.

4 Cases then occurred, pre-school children, during school holiday time, and the Junior and Senior Schools were allowed to re-open at the normal time, but all infant and nursery schools were not permitted to re-open until the end of April.

During April and May cases occurred at close intervals, and towards the end of June the intervals between cases began to lengthen (see Fig. 1 - opposite).

(Although this Annual Report covers the period up to June the 30th, for the purpose of completeness the graph is extended up to the occurrence of the last case of the outbreak).

It does not seem possible to draw any conclusions against or in favour of school closure from our experience in Pietermaritzburg. Fly prevalence was particularly low this year in Pietermaritzburg. The Municipal Swimming Baths were closed for

/ the .....

ANTERIOR POLIOMYELITIS. Cont'd.

the winter on April 14th, a fortnight earlier than usual, and re-opened normally on October 1st. It cannot be said that the closing made any difference to the outbreak; only 4 of the 14 cases which occurred up to April 14th, had patronised the Municipal Baths.

32 persons (27 Europeans, 1 Native & 4 Asiatics) who were notified as cases of Poliomyelitis between September, 1947, and October, 1948, were followed up to determine the end results of the disease.

1 European and 1 Asiatic died. (6%)

4 European patients developed no paralysis at all, and a further 14 (11 Europeans and 3 Asiatics) had recovered completely with no residual paralysis, i.e. 56% of the cases had totally recovered.

28% showed residual slight to moderate paralysis.

9% " " severe paralysis.

MURINE TYPHUS FEVER.

2 Cases of Murine Typhus Fever were notified. In one of these cases only could an associated rodent infestation be demonstrated.

ENTERIC FEVER.

30 Cases were notified, 6 Europeans and 24 Non-Europeans, a small drop on last year's total of 37.

Of these notifications in 1 European, 3 Natives and 1 Asiatic, the infection was probably contracted outside the City.

In 3 European, 3 Native and 2 Asiatic cases the diagnosis was not confirmed bacteriologically, and in one of the Native cases the clinical course of the disease was not like Typhoid Fever.

In 2 Native cases and in 2 Asiatic cases, the final diagnosis was "Not Typhoid Fever", and in 1 Coloured case the diagnosis was doubtful.

No epidemic outbreak of this disease occurred this year.

138 Persons were immunised, 65 Europeans, 12 Natives, 25 Coloureds and 36 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.

PUERPERAL SEPSIS.

3 Notifications were recorded (half of last year's total), viz. 1 European, 1 Native and 1 Asiatic.

The European case was delivered in Hospital and had a "Retained Placenta".

The Native case was delivered in Hospital - Premature delivery and macerated foetus.

The Asiatic case was delivered at home - a normal confinement - assisted by an "aunt", who was not a trained or 'listed' midwife.

AMOEBIC DYSENTERY.

This disease was removed from the list of "Notifiable Infectious Diseases" on 28/11/47, and up till then 35 notifications were received (11 European, 13 Native, 5 Coloured and 6 Asiatic). Of the cases investigated, 5 were probably infected outside of the City (1 European, 4 Natives), while in 6 cases (1 European, 3 Natives, 1 Coloured & 1 Asiatic) the diagnosis is not known to have been confirmed by bacteriological examination.

A. The laboratory reports were analysed in the following groups of cases.

/(1) .....

AMOEBIC DYSENTERY. Cont'd.

(1) Acute and recent cases : Chief symptoms :- Dysentery, Diarrhoea and abdominal pain.

Vegetative Forms of E. Histolytica found in 2 European, 7 Native and 2 Coloured cases ..... Total 11

Cystic Forms of E. Histolytica found - No cases ..... " 0

(2) Chronic cases : Chief complaints :- Dysentery, Diarrhoea, Abdominal Pain and Constipation, Tiredness.

Vegetative Forms of E. Histolytica found in 2 European, 3 Native and 3 Asiatic cases ..... Total 8

Cystic Forms of E. Histolytica found in 2 European & 1 Asiatic case . " 3

(3) Amoebiasis : No abdominal complaints: Examined as contacts :-

Vegetative Forms of E. Histolytica found in - Nil

Cystic Forms of E. Histolytica found in 3 Coloured cases ..... Total 3

B. The average duration of the chronic cases was :

Europeans (3 cases) ..... 7 months.

Natives (1 case) ..... 6 months.

Asiatics (4 cases) ..... $3\frac{8}{12}$ years (ranging from 8 months) (to 10 years.)

C. An important aspect of this disease is the tendency for the patient after treatment to relapse into the carrier condition, thus becoming, we believe, the focus of infection in the community and the disseminator of further infection.

A few cases have been followed up from this point of view with the following results :-

1. Cases re-examined 3 months after treatment :

	European	Native	Coloured	Asiatic
No. of Cases	2	4	3	1
No. found Positive	0	0	0	0

2. Cases re-examined 6 months after treatment.

	European	Native	Coloured	Asiatic
No. of Cases	1	1	2	1
No. found Positive	1	1	0	1

Thus of a total of 15 cases followed up, 3 (20%) had relapsed to the carrier state the end of 6 months.

D. Investigation was also made in a few cases in order to determine whether the family contacts, particularly the household cook, were possible sources of infection.

9 Families were investigated (2 European, 3 Native, 2 Coloured and 2 Asiatic), a total of 33 contacts being examined, 4 of them proving to be carriers of E. Histolytica.

In 8 families (2 European, 3 Native, 2 Coloured and 1 Asiatic) the cook was found to be negative.

/In .....

j) AMOEBIC DYSENTERY. Cont'd.

In one Asiatic family the cook was the notified case, and only one other member of the family out of eight examined was found to be a positive carrier.

In one Native family, the cook was the notified case, but the household contacts were negative, though one was reported a year previously as a positive case, had been treated, and was still negative. The cook in this case was probably the victim and not the villian.

Because of the limited laboratory facilities available, only single stool specimens were examined in contacts and only direct examination was employed, so that it can be taken that the results reported are an understatement of the true position.

The removal of this disease from the list of notifiable diseases has ended the possibility of control of the patient by this Department. An attempt was made by this Department to obtain notifications on a voluntary basis, but this proved a complete failure. With no knowledge of cases, we are unable to investigate contacts and look for sources of infection, and we are unable to follow-up to see whether re-treatment is necessary and urge it when necessary.

The Native is the most frequent sufferer from this disease and has been shown to be the chief "carrier" of this disease in the community. He is never more than a casual attendant at a doctor's surgery or hospital outpatient department, and we can be sure that without the health department taking active steps to follow him up, that no follow-up will be done. This disease with its very high relapse rate is, therefore, bound to increase in its incidence.

(3) TUBERCULOSIS. (Pages 39 - 40)

Notifications of Pulmonary Tuberculosis totalled 113, an increase on last year's total of 99, 23 of these being of Europeans. Notifications of Non-Pulmonary Tuberculosis totalled 19 (5 European) as compared with the previous year's total of 14.

25 Borough cases (10 Natives, 5 Coloureds and 10 Asiatics) were admitted to the Tuberculosis block (24 beds) of the Non-European Infectious Diseases Hospital (9 of these being transferred from Grey's Hospital Wards).

During the year 32 Borough cases were admitted to Grey's and Other Hospitals (11 European, 12 Native, 3 Coloured and 6 Asiatic). 5 Borough and 14 Out-of-Borough cases were admitted direct from the T.B. Clinic to Hospital. 4 Europeans, 1 Native, and 1 Asiatic were sent to the King George V-Springfield Hospital for Tuberculosis, in Durban.

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

The Natal Anti-Tuberculosis Association made grants to 20 families in Pietermaritzburg (2 European, 9 Native, 3 Coloured and 6 Asiatic), to enable the breadwinner to accept hospital treatment.

The following tables illustrate the trend in notifications and deaths from this disease over the period 1934 - 1948 :-

/PULMONARY TUBERCULOSIS ....

(3) TUBERCULOSIS. Cont'd.

PULMONARY TUBERCULOSIS

	NOTIFICATIONS						DEATHS					
	Eur:	Nat:	Col:	As:	All Non-Eur:	Total	Eur:	Nat:	Col:	As:	All Non-Eur:	Total
1934-35	7	35	12	31	78	85	4	25	7	8	40	44
1935-36	17	38	15	32	85	102	2	14	3	12	29	31
1936-37	8	40	8	20	68	76	4	18	7	17	42	46
1937-38	17	40	15	14	69	86	7	29	7	7	43	50
1938-39	15	40	15	10	65	80	5	19	6	8	33	38
1939-40	7	23	7	17	47	54	4	15	7	9	31	35
1940-41	7	13	11	7	31	38	3	19	1	6	29	32
1941-42	8	22	6	18	46	54	5	9	1	15	25	30
1942-43	8	29	2	27	58	66	5	13	2	16	31	36
1943-44	5	23	3	24	50	55	3	14	4	14	32	35
1944-45	13	52	5	30	87	100	3	14	4	11	29	32
1945-46	12	60	10	24	94	106	10	24	6	12	42	52
1946-47	10	51	13	25	89	99	11	31	6	11	48	59
1947-48	23*	49	9	32	90	113	9	23	4	18	45	54

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

NON-PULMONARY TUBERCULOSIS

	NOTIFICATIONS						DEATHS					
	Eur:	Nat:	Col:	As:	All Non-Eur:	Total	Eur:	Nat:	Col:	As:	All Non-Eur:	Total
1934-35	1	4	0	3	7	8	2	6	0	1	7	9
1935-36	3	3	1	6	10	13	1	2	0	2	4	5
1936-37	2	8	0	5	13	15	1	4	0	3	7	8
1937-38	5	10	3	6	19	24	3	1	2	3	6	9
1938-39	1	3	0	3	6	7	0	2	0	2	4	4
1939-40	2	3	1	3	7	9	1	2	1	0	3	4
1940-41	3	2	0	3	5	8	2	1	0	0	1	3
1941-42	2	7	2	7	16	18	1	3	1	3	7	8
1942-43	1	3	4	2	9	10	1	1	1	3	5	6
1943-44	1	4	0	3	7	8	0	5	1	3	9	9
1944-45	2	6	1	8	15	17	0	3	2	5	10	10
1945-46	1	5	3	3	11	12	1	4	1	3	8	9
1946-47	1	8	3	2	13	14	0	11	3	3	17	17
1947-48	5*	9	1	4	14	19	1	8	1	2	11	12

* Includes 1 case also notified as Pulmonary Tuberculosis.

These figures show a definite increase on last year's total of notifications, though the number of deaths has decreased, suggesting, therefore, an improvement in notification rather than an actual increase in the disease. In 4 cases (2 European, 1 Native and 1 Asiatic) the diagnosis was subsequently found to be wrong.

No less than 9 notifications (all Natives) were received from one of the Mental Hospitals in the City.

In 6 families (2 European, 2 Native, 1 Coloured and 1 Asiatic) secondary cases of active tuberculosis were reported; in one of the Native families 2 secondary cases were reported. It is almost impossible to secure suitable isolation in tuberculous homes, because of the very conditions of overcrowding and poverty that lead to the development of the disease. Forcible removal of cases from unsuitable homes is sometimes necessary, and for this adequate hospital bed accommodation is a prerequisite.

The Tuberculosis Clinic : (Page 45)

The routine clinical and x-ray examination of all contacts of cases of Tuberculosis notified, was carried out at the Tuberculosis Clinic. During the year there were 1,211 attendances at the Clinic (including 363 Out-of-Borough cases), while 3,068 visits

/were .....

3) TUBERCULOSIS. Cont'd.

were made to tuberculotics and contacts in their homes. (Borough cases only) 45 Contacts were examined and x-rayed at the Tuberculosis Clinic (including 11 Out-of-Borough Contacts). The decrease in contact examination was due to restrictions imposed owing to shortages of staff in the x-ray department at Grey's Hospital.

The Tuberculosis Hospital : (Non-European Only)

Admissions totalled 75, 25 Borough cases (10 Native, 5 Coloured and 10 Asiatic) and 50 Out-of-Borough cases (44 Native, 2 Coloured and 4 Asiatic). The annual case load per bed, therefore, increased considerably this year as compared with last year :-

1942-1943	Annual	Case	Load	per	Bed	.....	3.6 patients
1943-1944	"	"	"	"	"	.....	4.0 "
1944-1945	"	"	"	"	"	.....	2.8 "
1945-1946	"	"	"	"	"	.....	1.8 "
1946-1947	"	"	"	"	"	.....	2.0 "
1947-1948	"	"	"	"	"	.....	3.1 "

If the number of Pietermaritzburg (Non-European) cases admitted to other hospitals is taken into account, viz. 21, it would appear that the hospital accommodation provided (24 beds) would just about suffice for Pietermaritzburg City's own needs, but the proportion of Out-of-Borough cases admitted creates a shortage for Pietermaritzburg cases, and additional beds are needed. Considerable delay is also being experienced in securing the admission of European cases to the King George V-Springfield Hospital for Tuberculosis, in Durban.

(4) VENEREAL DISEASE. (Pages 46 - 54)

(a)(b) & (c) Clinics for all races are held once weekly at Grey's Hospital and are conducted by the Medical Officer of Health and the Assistant Medical Officers of Health. One European Health Visitor, 2 Native Nurses, 1 Native Orderly and 3 Native Health Assistants, assist at the Female Clinics, while the Health Visitor, a European Male Nurse, a Native Orderly and 3 Native Health Assistants, assist at the Male Clinics. Two Native Health Assistants devote their full time to Venereal Diseases. The European Male Nurse, 1 Native Nurse and the Native Orderly are from the Staff of the Non-European Venereal Diseases Hospital, thus providing an effective link between the Clinic and the Venereal Diseases Hospital.

(d) Every effort is made to trace contacts and to follow-up cases 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. Action through the Magistrate has been taken in the case of a few defaulters from the Clinic, and the patient has responded quickly.

It has been found that the Health Visitor is quite readily able to deal with the Male and Female cases, and to achieve useful results in all of the races in regard to improved attendance of defaulters at the Clinics. Personal visiting has been found the most effective method, and letters have also been of use, but the telephone is not used to any extent.

Only the following percentage of new cases would divulge the names of contacts/sources of infection :-

Europeans : 25% Coloureds : 26% Asiatics : 20%

This refusal appears to be deliberate in a number of cases, but in many cases, particularly Europeans, appears to be genuinely due to the casual nature of the contact coupled with alcoholic excess at the time. In many cases the marital partner is named, but we believe that the true source of the infection is extra-marital and is being concealed; this applies particularly in the case of Asiatics. Of the contacts named, 2 European female contacts were found to be free of infection and the third was found to be actively infectious. All the European male, and all the Asiatic and Coloured contacts brought to

/Clinic .....

(4) VENEREAL DISEASE. Cont'd.

Clinic were found to have positive serology, but no clinical evidence of active infection.

(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
1945-46	180	0.6%	2,860	11.8%	149	7.7%	636	2.4%
1946-47	185	0.5%	2,963	16.8%	465	1.9%	1,423	1.6%
1947-48	193	1.6%	3,053	9.3%	155	3.2%	772	2.2%

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

	EUROPEAN				NATIVE				COLOURED				ASIATIC			
	Bor.		O/B		Bor.		O/B		Bor.		O/B		Bor.		O/B	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
1943-44	14.1	3.7	2.5	6.7	3.6	2.8	2.9	4.1	2.7	6.1	2.4	2.6	3.5	3.5	7.3	1.1
1944-45	7.6	11.2	3.5	7.0	9.8	7.7	4.7	6.7	7.5	11.2	16.2	8.9	7.7	9.3	9.0	8.0
1945-46	7.7	5.9	13.5	6.7	10.1	8.9	6.4	7.5	4.0	8.4	10.8	7.4	5.7	6.9	6.2	6.9
1946-47	10.3	5.4	11.4	35.5	9.3	8.1	5.6	6.7	8.3	10.1	7.2	5.3	8.0	6.4	3.0	3.4
1947-48	15.3	5.6	9.5	6.6	9.5	7.5	5.0	5.3	10.1	8.2	3.5	7.4	8.3	8.0	4.6	2.7

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

(g) A big increase in Clinic Attendances has been recorded, there being 22,696 attendances during the year as compared with last year's total of 21,692. 2,417 Home Visits were paid to cases of Venereal Disease, as compared with last year's total of 2,915. The regular attendance of many of the patients, extending in many cases through 5 and 6 Courses of treatment, is largely due to this follow-up work.

EPIDEMIC HOSPITAL. (Non-European V.D.)

Admissions to this hospital totalled 2,627, this year again showing a very big increase on the previous year's total of 2,299, the daily average of in-patients totalling 107 as compared with 92 last year.

This increase consisted almost entirely of Native patients. The percentage increases were Borough Cases : Native Males : 8%
" Females : 44%

Out-of-Borough Cases : Native Males : 13%
" Females : 15%

The re-admissions for this period numbered 326 out of a total of 2,627 admissions (i.e. 12%), as compared with 11% the previous year. An analysis of the reasons given for re-admission and for failure to continue treatment, is given in the following table :-

	Male	Female	Total
1. No reason given for failure to continue treatment	37	49	86
2. Patients thought themselves cured after only a few follow-up injections	10	9	19
3. Patients attended only irregularly for follow-up treatment ...	28	21	49
C/Forward			154 ....

(4) VENEREAL DISEASE. Cont'd.

	Male	Female	Total
		B/Forward	154
4. Patients diagnosed on first admission as Non-Venereal Disease, but re-admitted subsequently and diagnosis found to be Venereal Disease (chiefly cases of Congenital Syphilis)	1	-	1
5. Patients unable to pay a doctor for further treatment	2	3	5
6. Patients stated no facilities for further treatment available near their homes	5	2	7
7. Patients stated employers would not allow them to attend for further treatment	6	8	14
8. Patients told by a Doctor that they were cured after only a few subsequent injections	6	-	6
9. Patients re-admitted suffering from forms of V.D. other than that originally admitted for	30	11	41
10. Non-Venereal Disease	14	16	30
11. Relapsed tho' attended Clinic fairly regularly	25	17	42
12. Reinfected after discharge from Clinic	13	13	26
		TOTAL :	326

One can regard the re-admissions under the first three headings ($\frac{1}{2}$ of the total) as due to failure of the Educative Section of the Venereal Diseases Hospital treatment; a disappointing feature, as regular attempts to teach the patients the reasons and need for further treatment have been a part of the Venereal Diseases Hospital routine.

However, this proportion of the total is a little smaller than the $\frac{3}{5}$ proportion of failure under these headings, recorded last year. When it becomes practicable to cure cases in 2 weeks by means of Penicillin (an outlook that appears to be distinctly possible) most of these Re-admissions should disappear from our lists and only experience will show if there will be an increase in the "Re-infected" admission rate, which might seriously off-set that gain.

(5) PLAGUE.

No case of plague occurred during the year. Regular inspection of new shops and warehouses in the course of erection has been carried out and their rodent-proofing has been supervised. No rodent work has been carried out on commonage, but the rodent-proofing of existing infested premises has been dealt with intensively. All business premises handling foodstuffs are inspected routinely every 3 months, and particular attention is paid to rodent-proofing. A survey block-by-block of the City Area has been commenced to determine and deal with rodent infestation. Reorganisation in the Department will now permit the Rodent Inspector to devote all his time to anti-rodent measures.

(6) OTHER COMMUNICABLE DISEASES.

(I) MALARIA. Control by spotting of larvae and oiling of selected areas has again been carried out during the year 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 this year. No new infections of malaria occurred within the Borough.

Permanent work in the way of wider open drains with grassed sides, and a hardened invert, was carried out this year, and it is hoped to compare the efficiency of these drains with the subsoil drains previously constructed, of stone or logs.

No check house spraying was carried out this season. Oiling was carried out to deal chiefly with culicine breeding which was causing a nuisance.

(II) ENTERITIS in children under the age of two years accounted for 31 deaths (2 European, 21 Native, 3 Coloured and 5 Indian), a decrease on last year's total of 35.

/(III) MEASLES .....

6) OTHER COMMUNICABLE DISEASES. Cont'd.

(III) MEASLES. There was only a moderate prevalence of Measles in Pietermaritzburg during the year. 48 Cases were treated in the (European) Isolation Hospital, 11 coming from Out-of-Borough. 141 Cases were admitted to the Non-European Infectious Diseases Hospital, 68 being from Out-of-Borough. No deaths were reported from this disease. (See Table on Page 55)

(IV) GERMAN MEASLES. This disease was only very slightly prevalent this year and was as usual mild and uncomplicated.

(V) WHOOPING COUGH. This disease was only moderately prevalent during the year, and no deaths were reported from this disease. Immunisation against this disease is carried out at the Infant Welfare Clinics, using a combined Whooping Cough and Diphtheria Vaccine. (See Page 21)

7) WATER SUPPLY. (See Page 59)

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 Alumina-ferric, before filtration. After filtration, the water is treated with Chloramine before being distributed to the four service reservoirs.

The supply from the Purification Works and each of the service reservoirs has been bacteriologically examined each week by the bio-chemist in charge of the Purification Works. All employees at the Purification Works are Vi-tested. No water-borne outbreaks of disease have occurred during the year. Regular bacteriological sampling of swimming bath waters has also been carried out throughout the year.

The Water Supply has proved inadequate on several occasions for the expanding needs of the City, and restrictions have been imposed on the use of water on several occasions. Plans to increase the supply to the City and to expand the Purification Works, have been approved by the City Council.

(8) NIGHTSOIL AND REFUSE DISPOSAL.

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

(9) MEAT SUPPLIES. (Pages 62 - 63)

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. 69 Inspections of butchers' shops were made. A list of meat, fish and fowl condemned after inspection is shown on pages 60 - 61.

The Abattoir Manager reports that during the year 32,739 animals were slaughtered, a 40% decrease on last year's total of 56,139. Almost the whole of this decrease occurred in the supply of sheep to the Abattoir.

All slaughtering at the Abattoir is carried out by this Department.

All condemned meat and offal is transported in drums to a privately owned By-Products Plant at Bisley, just outside of Pietermaritzburg. The City Council has decided to build its own By-Products Plant, and has acquired land adjoining the Abattoir for the purpose of expansion. Preliminary plans and estimates for the expansion of the Abattoir, provision of change rooms, and the provision of new Railway Siding facilities, are now almost ready. Adequate Cold Storage accommodation will also be provided, there being none at the Abattoir at present.

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

CYSTICERCUS BOVIS AND CELLULOSAE ("MEASLES").

/The .....

9) MEAT SUPPLIES. Cont'd.

The following table shows the number of carcases infected with "Measles" during the past 5 years :-

	CATTLE			CALVES			PIGS		
	Slaughtered	% Infected	% Condemned	Slaughtered	% Infected	% Condemned	Slaughtered	% Infected	% Condemned
1943-44	10,319	9.96	1.38	818	-	5.86	2,698	-	0.88
1944-45	10,317	9.47	1.21	3,682	3.69	2.36	3,837	2.26	1.88
1945-46	11,091	7.73	0.91	5,076	4.98	1.30	3,947	2.96	2.58
1946-47	12,227	8.00	1.16	4,369	5.05	1.46	3,480	4.22	3.76
1947-48	11,513	6.94	0.84	3,244	4.68	1.44	3,254	4.94	4.06

0) MILK SUPPLIES.

The milk supply has been carefully controlled throughout the year. It is derived from 47 producer-distributors, of whom 32 are in the Borough, and 15 Outside the Borough. In addition to these, there are 101 producers, 7 Borough and 94 Out-of-Borough, who send their milk to a pasteurization plant from where it is distributed after pasteurization. All these dairymen are registered with this Department and their premises are inspected regularly. Approximately two-thirds of the milk sold in Pietermaritzburg is pasteurised.

During the year the routine Vi-testing of dairy employees was continued. Specimens, which are taken at the dairies by the Health Inspector, are posted to the Durban Government Laboratory for examination, this involving an overnight journey. 402 Bloods were examined and of these 16 were reported positive, i.e. 4%. Repeat examinations of 13 of these 16 positives gave 10 negatives and 3 positives.

1) OTHER FOOD SUPPLIES. (Pages 58 - 61)

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 60 - 61). 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 64. The routine renewal of all trade licences is no longer submitted to this Department by the Licensing Officer for report. A system of routine 3-monthly inspections of all food handling premises, and of Boarding Houses, has been instituted. Careful attention is paid to storage conditions, particularly to rodent-proofing, and there is a gradual improvement in this connection. 318 Inspections of the Borough Market and 915 inspections of other premises manufacturing or handling food were made.(Page 65)

Food and Drugs Act. (Page 58)

Under the Food, Drugs and Disinfectants Act, 24 samples were taken and the results of the analyses were as follows :-

Milk : 9 Samples : 1 Sample not in accordance with requirements in regard to Solids-Non-Fat.
No samples below standard requirement of Butter Fat.

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

Mince Meat : 4 Samples; all in accordance with standards laid down.

Sausage : 3 Samples; all in accordance with standards laid down.

Fruit : 5 Samples; all in accordance with standards laid down (for Arsenic).

In the case of the defective Solids-Non-Fat Milk Sample, a letter was written to the dairyman.

/(12) MATERNITY AND CHILD WELFARE .....

MATERNITY AND CHILD WELFARE. (Page 57)

The European Infantile Mortality Rate declined again from last year's figure of 24.4 to 17.04, an extremely low rate indeed.

The Coloured Infantile Mortality Rate rose slightly from 60.4 to 67.7.

The Indian Infantile Mortality Rate rose very slightly from 36.6 to 36.9.

The Native Infantile Mortality Rate was 184.8. As far as it is possible to ascertain the registration of Native births in Pietermaritzburg is fairly complete now, and the figures obtained should be fairly reliable. This rate is slightly lower than last year's rate of 187.3.

The main causes and age groupings of Infantile Mortality in the different races are shown on pages 37 - 38.

In Europeans prematurity was the chief cause of Infantile Mortality. Pneumonia and Broncho-Pneumonia were the chief cause of Non-European Infantile Mortality, with Gastro-enteritis the next most frequent cause.

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 57)

Diphtheria immunisation was continued throughout the year as one of the activities of the Infant Welfare Clinics, a total of 774 children being immunised (European: 275; Native: 118; Coloured 120; Asiatic: 261).

A combined Diphtheria and Whooping Cough Vaccine was also used in infants, and of the total given above, 219 European, 62 Native and 65 Coloured infants were immunised against Whooping Cough at the same time as against Diphtheria. 292 Schick Tests were also done (186 Europeans, 88 Natives and 18 Coloureds). The combined Vaccine was not used in Asiatics owing to the difficulty experienced in persuading them to complete a course of 3 injections.

Child Welfare Clinic attendances were as follows :-

	European	Native	Coloured	Indian
1945 - 1946	6,259	2,843	1,075	3,041
1946 - 1947	8,073	3,206	1,682	3,748
1947 - 1948	6,849	3,092	1,570	3,535

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

Successful Vaccinations : 419

Insusceptible to Vaccination : 21

Exempted : 1

Vaccinations carried out by this Department at the Infant Clinics totalled 731, but this figure included a number of adults who applied for vaccination.

Maternal Mortality.

The only deaths recorded were from Eclampsia (1 Coloured), Puerperal Sepsis (1 Native) and Other Causes (1 Native).

The registration and supervision of all midwives practising in the Borough was continued throughout the year. 3 Inspections of Midwives' Bags have been made.

The Midwifery Training School at Grey's Hospital provides midwifery services for Europeans in the wards of Grey's Hospital, and district Midwifery Services in Pietermaritzburg for Europeans, Coloureds and Asiatics. In addition, Ante-Natal Clinic services for all races are provided. The Non-European Maternity Wards of Grey's Hospital have been transferred to a temporary converted hospital at Mayor's Walk, providing 76 beds for Natives, Coloureds and Asiatics. Native District Midwifery is carried out by the Native Municipal Midwife, but is not extensive as most Native women in Pietermaritzburg prefer to go to hospital for their confinements.

/The .....

) MATERNITY AND CHILD WELFARE. Cont'd.

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

Borough cases : (From 1st July, 1947, to 30th June, 1948) :-

Ante-Natal Clinic Attendances :		District Midwifery Visits :	
Europeans	313	Europeans	792
Natives	834		
Coloureds	120	Coloureds	636
Asiatics	212	Asiatics	5,670
TOTAL	1,479	TOTAL	7,098

The Municipal Native Midwife conducted 18 confinements and paid 265 confinement visits during the year.

Pietermaritzburg is a "Prescribed Area" under Section 39(b) of the Medical Dental & 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 9 confinements in the year.

) BY-LAW NOTICES AND PROSECUTIONS. (Pages 65 - 67)

2,152 Notices and formal letters were served regarding breaches of the Borough By-Laws. 41 Prosecutions were initiated in the Magistrate's Court, as detailed on page 67.

) OTHER MATTERS OF HEALTH AND SANITATION.

Nursing Homes. Only 4 Nursing Home inspections in the Borough have been carried out during the year. The Registration and Inspection of Nursing Homes in Natal is now carried out by the Provincial Administration.

Complaints from Burgesses. 112 Complaints were received and attended to during the year.

Medical Examination of Natives.

Number Examined	Rejected (All Causes)	Rejected (V.D.)	Referred T.B. Clinic	Vaccinated
Male : 24,452	254 : 1.04%	151 : 0.6%	34 : 0.14%	
Female : 180	28 : 15.1%	23 : 12.8%	5 : 2.8%	
TOTAL : 24,632	282 : 1.14%	174 : 0.7%	39 : 0.16%	31,420

Other reasons for Rejection :

Verminous	Male	48
Dirty	Male	11
Scabies	Male	9
Chicken Pox	Male	1

The number of Native female domestic servants coming forward for voluntary examination is still very small, despite the fact that the examination is now available every day instead of once weekly as before, and despite the fact that it is now conducted by a woman medical practitioner. The practice of re-vaccinating every person appearing at the Pass Office who does not possess indisputable evidence of recent successful vaccination, is carried out.

/Sobantu .....

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

Sobantu (Native) Village Dispensary.

The Outpatient Dispensary continued to be 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	:	799
Re-attendances at Dispensary	:	211
Home Visits	:	5,340
Surgical Dressings	:	8,729

State-Aided Butter Scheme :

This Scheme has been abandoned and margarine is now available through the Mobile Distribution Depots operating at various sites in the City.

Health Propaganda :

No organised propaganda was carried out.

) STAFF :

The Staff of the Department at June 30th, 1948, 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 : A. Stephen, M.B.E., B.Sc., M.B., Ch.B., D.P.H.

Temporary Asst. Medical Officer of Health : (Mrs.) M.E. Meyrick, M.R.C.S., L.R.C.P., D. P. H.

Chief Clerk	:	E. Bastow
Clerk	:	R. Markham
Junior Clerk	:	J. Pretorius
Senior Woman Clerical Assistant	:	Miss E.M. Hughes
Junior Women Clerical Assistants	:	Miss J. Goodwin, Miss D. Hardman and Miss G. Keppler.

2 Native Messengers

INSPECTORATE

Chief Health Inspector	:	C.F. Wyatt, Cert. R.S.I. Meat & Other Foods Cert. R.S.I.
Health Inspectors	:	R.E. Bunn, Cert. R.S.I.
	:	Mrs. E.A. Thompson, Cert. R.S.I.
	:	D.C. Johnston, Cert. R.S.I.
Health Inspector (Dairy)	:	J.F. Bateson, Cert. R.S.I., Meat & Other Foods Cert. R.S.I., San. Sc. (as applied to Buildings and Public Works) Cert. R.S.I.
Rodent and Transport Officer	:	G. Fairfield

1 Indian Fumigation Assistant.

HEALTH VISITING STAFF

Senior Health Visitor : Miss E.M. McDougall, Health Visitors' Cert. (Scotland) ; Health Visitors' Cert. R.S.I., Mothercraft Cert. (New Zealand).

/Health Visitors .....

) STAFF. Cont'd.

Health Visitors : Miss G. Buttery, Health Visitors' Cert. R.S.I.

: Miss M. W. Marwick, Mothercraft Certificate; S.A.M.C. Cert. (General & Midwifery).

: Miss E.E. Holcomb, Health Visitors' Cert. R.S.I. S.A.M.C. (General and Midwifery).

: Miss O.G. Silvester : S.R.N. (Eng.); C.M.B. (Engl.)

Clinic Clerk : Mrs. A.C. Ferguson

NATIVE NURSING AND HEALTH ASSISTANT STAFF

Native Nurse and Midwife : Nurse Keziah Mbanjwa, S.A.M.C. Cert. (General and Midwifery)

Native Nurse (Sobantu Village Dispensary) : Nurse Sophia Masongoa, Health Visitors' Cert. R.S.I.

Native Health Assistants : A. Ntombela, E. Hlongwane and C. Machanda.

ISOLATION HOSPITAL

Matron : C.C. Klein
Sisters : E.C. Tiffin, M.G. Palframan, N. Fryer.
Night Sister : P.R. Upton
Probationer Nurses : F.M. McDonald, O.G. Bedford.

1 Housekeeper
14 Native Domestic Servants
1 Native Night Watchman

NON-EUROPEAN INFECTIOUS DISEASES HOSPITAL

Matron : C. Le Steers
1 Housekeeper :
Native Staff Nurses : 8
Probationer Nurse : 1
Native Domestic Staff : 19
Native Night Watchman : 1

EPIDEMIC HOSPITAL

Officer-in-Charge : J.A. Kedian
Housekeeper

Native Staff Nurses : 2
Native Orderlies : 4
Native Domestic Staff : 3
Night Watchman : 1

ABATTOIR

Manager : G.B. Lupton, Cert. R.S.I., Meat & Other Foods Cert. R.S.I.

Meat Inspectors : G.A. McIntosh, Cert. R.S.I., Meat & Other Foods Cert. R.S.I.

: H. Dreyer, Cert. R.S.I., Meat & Other Foods Cert. R.S.I.

Clerk : Position vacant.

Stockyard Foreman : C.F. Heathman.

/(16) PERI-URBAN AREAS .....

) PERI-URBAN AREAS.

The Local Health Commission continued to exercise control in the Edendale and Slangspruit Area. The Commission has taken over the Malaria Control of the other peri-urban areas surrounding Pietermaritzburg.

No definite steps have, as yet, been taken to bring the other smaller peri-urban areas - New England, Ockert's Kraal and Raisethorpe - under control. The City Council has had under consideration the question of the incorporation of these areas into the Borough.

ORT B.

HOUSING.

12 Flats were built by the City Council for Firemen and 14 "National" Houses were built at the Sobantu Village for Natives, also by the City Council.

Powers under the Borough By-Laws have been exercised sparingly in dealing with insanitary dwellings, owing to present conditions. 16 Dwellings were condemned for demolition under Public Health By-Law 19(b) (8 of these being demolished by the end of the period under review), and 4 dwellings were voluntarily demolished, following representations by this Department. Most of the buildings demolished were insanitary shacks occupied as dwellings by Natives. A Closing Order was issued under Public Health By-Law 19(a) in the case of 1 dwelling.

Plans.

All plans of new buildings are submitted to this Department and 578 have been scrutinised. Of these 278 were approved out-right, 253 approved subject to minor alterations, 44 were disapproved, and 3 were returned for additional information.

New Buildings.

The City Engineer reports that during the year 154 dwellings and 29 flats were completed for Europeans, and 5 dwellings for Non-Europeans, as compared with last year's total of 136. This is in addition to the Council building detailed above.

HOUSING OF NATIVES, NATIVE OR ASIATIC LOCATIONS OR BARRACKS.

The Pietermaritzburg Sobantu Village, situated about 3 miles from the Centre of the Town, at June 30th, 1948, contained 458 occupied houses and various public buildings, with an estimated Population of about 2,500. Water is supplied by communal standpipes from the Corporation water supply, and sanitation is by the pail system, separate for each house. Communal ablution blocks and laundries are provided. Provision for hot baths at a small charge has been made in the newly constructed ablution blocks, and this has proved very popular.

The City Council is continuing with the construction of a further 100 National (Sub-economic) Houses at the Sobantu Village. All the houses at the Sobantu Village are being built by Native Labour, under European supervision.

There are three Corporation Hostels for single Natives. For Males there is the East Street Hostel (and annexes) housing 569 Natives, and the Ortman Road Hostel with a capacity of 127. The Women's Hostel in Church Street houses 174 women. These Hostels are under the control of the Municipal Native Administration Department, and two European Superintendents are employed. Extensions to the Men's Hostels to provide accommodation for an extra 500 are nearing completion, one block housing 170 having been already handed over. 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. 126 Temporary licences have been 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 quarters are the subject of inspections by this Department and in general are satisfactory.

/Asiatic .....

HOUSING OF NATIVES, NATIVE OR ASIATIC LOCATIONS OR BARRACKS. Cont'd.

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 50 sub-economic Indian houses completed at the beginning of 1940 have been fully occupied continuously. The Council has now appointed a Woman Housing Manager, trained under the Octavia Hill Scheme, who operates under the Estates Manager in the City Treasurer's Department. She has taken over the control of the Council Sub-economic and National Housing Schemes, and has relieved the Health Visitors of this Department of this duty.

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 1944-45 Report. No further surveys have been made. Summarised, these estimates revealed the following needs :-

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

Against these can be set the following provision :-

(1) Europeans : (a) 11 National (Sub-economic) Houses.
(b) 25 National Houses (at Manor).
(c) 46 flats and 52 dwellings provided by private enterprise in 1945, 24 flats and 104 dwellings provided in 1946 and 154 dwellings and 41 flats this year : Total : 310 Dwellings and 111 flats.

(2) Natives : (a) 100 National (sub-economic) Houses.
(b) 14 National (" ") Houses.(Part of Scheme of 100) (houses already commenced.)
(c) Accommodation for 28 persons - aged and indigent Natives.

(3) Coloureds : 28 National (sub-economic) Houses.

(4) Asiatics : 50 Sub-economic Houses (1940).
13 dwellings were completed by private enterprise in 1945 for Non-Europeans, 8 dwellings in 1946, and 5 dwellings this year : Total 26.

The Council now has under consideration the provision of a further 26 National Houses for Asiatics, and also a further 42 National Houses for Europeans.

The position in regard to Asiatics is truly desperate and the requirements estimated several years ago must be now considered to be a considerable understatement of the actual position.

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 RESIDENTS			NATIVE RESIDENTS			COLOURED RESIDENTS			ASIATIC RESIDENTS		
	M	F	P	M	F	P	M	F	P	M	F	P
(1) INFECTIOUS AND PARASITIC DISEASES												
001. Typhoid Fever	0	0	0	1	1	2	0	1	1	0	1	1
011. Whooping Cough	0	0	0	0	0	0	0	0	0	0	0	0
012. Diphtheria	1	0	1	0	1	1	1	1	2	1	1	2
014. Tetanus	0	0	0	1	0	1	0	0	0	0	0	0
Tuberculosis of :-												
015. Respiratory System	5	4	9	13	10	23	2	2	4	9	9	18
016. Central Nervous System	0	1	1	2	0	2	0	1	1	0	1	1
017. Intestines & Peritoneum	0	0	0	1	0	1	0	0	0	0	0	0
018. Vertebral Column	0	0	0	1	0	1	0	0	0	0	0	0
019. Bones and Joints	0	0	0	0	0	0	0	0	0	0	0	0
021. Other Organs	0	0	0	1	0	1	0	0	0	0	0	0
024. T.B. - Acute Miliary	0	0	0	1	2	3	0	0	0	1	0	1
027. Purulent infection and septicaemia (non-puerperal)	1	0	1	0	1	1	0	0	0	1	0	1
032. Bacillary Dysentery	0	0	0	0	0	0	0	0	0	0	0	0
033. Amoebic Dysentery	0	0	0	0	0	0	0	0	0	0	0	0
035. Other and Unspecified forms of Dysentery	0	0	0	0	0	0	0	0	0	0	0	0
SYPHILIS :-												
040. Tabes Dorsalis	0	0	0	0	0	0	0	0	0	0	0	0
041. General paralysis of the insane	0	0	0	1	0	1	0	0	0	0	0	0
042. Aneurysm of Aorta	1	0	1	0	0	0	0	0	0	0	0	0
043. Congenital Syphilis	0	0	0	2	3	5	0	0	0	0	0	0
044. Other Forms	0	0	0	1	0	1	0	0	0	0	0	0
045. Relapsing Fever	0	0	0	0	0	0	0	0	0	0	0	0
047. Oth. Spirochaetal Diseases	0	0	0	0	0	0	0	0	0	0	0	0
048. Influenza with Respiratory Complications	0	0	0	0	0	0	0	0	0	0	0	0
049. Influenza without Respiratory Complications	0	0	0	0	0	0	0	0	0	1	1	2
053. Acute Poliomyelitis	1	0	1	0	0	0	0	0	0	0	1	1
061. Other Virus Diseases	0	0	0	0	0	0	0	1	1	0	0	0
062. Typhus (Louse-borne)	0	0	0	0	0	0	0	0	0	0	0	0
071. Bilharzia	0	0	0	0	0	0	0	0	0	0	0	0
074. Venereal Diseases (Other than Syphilis or Gonorrhoea)	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL : GROUP 1	9	5	14	25	18	43	3	6	9	13	14	27

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	9	5	14	25	18	43	3	6	9	13	14	27
2) CANCER AND OTHER TUMOURS.												
00. Buccal Cavity	1	0	1	0	0	0	1	0	1	0	0	0
01. Oesophagus	0	0	0	0	0	0	0	0	0	0	0	0
02. Stomach & Duodenum	5	2	7	0	0	0	0	0	0	0	2	2
03. Rectum	1	1	2	0	0	0	0	0	0	0	0	0
04. Liver	0	0	0	0	0	0	0	0	0	0	0	0
05. Cancer of Pancreas	0	0	0	0	0	0	0	0	0	0	0	0
06. Other digestive organs (including peritoneum)	1	2	3	0	0	0	0	0	0	0	1	1
07. Larynx	1	0	1	0	0	0	0	0	0	0	0	0
08. Cancer of Mediastinum	0	1	1	0	0	0	0	0	0	0	0	0
09. Lung	0	0	0	0	0	0	0	0	0	0	0	0
10. Uterus	0	5	5	0	1	1	0	2	2	0	0	0
11. Oth. Fem. Genital Organs	0	0	0	0	0	0	0	0	0	0	0	0
12. Breast	0	3	3	0	0	0	0	0	0	0	0	0
13. Prostate	2	0	2	0	0	0	0	0	0	2	0	2
14. Oth. Male Genital Organs	1	0	1	0	0	0	0	0	0	0	0	0
15. Male & Female Urinary Organs	0	0	0	0	1	1	0	1	1	0	0	0
16. Skin	0	0	0	0	0	0	0	0	0	0	0	0
17. Brain & Nervous System	0	0	0	0	0	0	0	0	0	0	0	0
19. Oth. & Unspecified Organs	3	1	4	0	0	0	0	0	0	0	0	0
Non-Malignant Tumours												
31. Other & Unspecified Organs	1	0	1	0	0	0	0	0	0	0	0	0
Tumours of Undetermined Nature												
33. Uterus	0	1	1	0	0	0	0	0	0	0	0	0
35. Brain & Nervous System	0	0	0	0	0	0	0	0	0	0	0	0
36. Oth. & Unspecified Organs	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL : GROUP 2	16	16	32	0	2	2	1	3	4	2	3	5
3) RHEUMATISM, DISEASES OF NUTRITION, ETC.												
49. Acute Rheumatic Fever	0	0	0	0	0	0	0	0	0	0	0	0
52. Diabetes	1	1	2	0	1	1	0	0	0	0	0	0
63. Malnutrition	0	0	0	1	1	2	0	1	1	0	1	1
68. Pellagra	0	0	0	1	1	2	0	0	0	0	0	0
70. Oth. Vitamin Deficiency Dis.	0	0	0	0	1	1	0	0	0	0	0	0
TOTAL : GROUP 3	1	1	2	2	4	6	0	1	1	0	1	1
Total C/Forward	26	22	48	27	24	51	4	10	14	15	18	33

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	26	22	48	27	24	51	4	10	14	15	18	33
(4) DISEASES OF THE BLOOD												
200. Primary Purpura	0	0	0	0	0	0	0	0	0	0	1	1
203. Pernicious Anaemia	0	0	0	0	0	0	0	0	0	0	0	0
206. Oth. & Unspecified Anaemias	0	0	0	1	0	1	0	0	0	0	0	0
Leukaemias -												
207. Leukaemic	0	1	1	0	0	0	0	0	0	0	0	0
208. Aleukaemic	1	0	1	0	0	0	0	0	0	0	0	0
214. Other Diseases	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL : GROUP 4	1	1	2	1	0	1	0	0	0	0	1	1
(5) CHRONIC POISONING AND INTOXICATION												
251. Chronic Alcoholism	0	0	0	0	0	0	0	0	0	0	0	0
252. Unspecified Alcoholism	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL : GROUP 5	0	0	0	0	0	0	0	0	0	0	0	0
(6) DISEASES OF THE NERVOUS SYSTEM												
300. Intra-cranial abscess	0	0	0	1	0	1	0	0	0	0	0	0
301. Other Forms	0	0	0	0	0	0	0	0	0	0	0	0
302. Pneumococcal Meningitis	0	0	0	2	1	3	1	0	1	0	0	0
303. Oth. Forms of Meningitis	0	0	0	2	0	2	0	0	0	0	0	0
304. Dis. of Medulla & Spinal Cord oth. than locomotor ataxia & Disseminated Sclerosis	0	0	0	0	0	0	0	0	0	0	0	0
305. Cerebral Haemorrhage	9	12	21	5	2	7	0	0	0	3	3	6
306. Cerebral Embolism and Thrombosis	4	2	6	0	0	0	0	0	0	0	2	2
307. Hemiplegia & Oth. paralysis of unstated origin	0	1	1	0	0	0	0	0	0	0	0	0
308. Mental Disorders and deficiency	1	0	1	1	0	1	0	0	0	0	0	0
309. Epilepsy	0	1	1	2	1	3	0	0	0	1	0	1
310. Convulsions in Children under five years of age	0	0	0	0	0	0	0	0	0	0	0	0
313. Paralysis Agitans	0	1	1	0	0	0	0	0	0	0	0	0
TOTAL : GROUP 6	14	17	31	13	4	17	1	0	1	4	5	9
Total C/Forward	41	40	81	41	28	69	5	10	15	19	24	43

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	41	40	81	41	28	69	5	10	15	19	24	43
7) DISEASES OF THE CIRCULATORY SYSTEM												
50. Chronic Pericarditis (Rheumatic)	0	0	0	0	0	0	0	0	0	0	1	1
51. Other Pericarditis	0	0	0	0	0	0	0	0	0	0	0	0
52. Acute Endocarditis	0	0	0	1	0	1	0	0	0	0	0	0
53. Valvular Disease - Rheumatic	1	0	1	0	1	1	0	0	0	0	0	0
54. Valvular Disease - Other Forms	4	1	5	1	1	2	1	0	1	0	0	0
55. Acute Myocarditis	0	0	0	0	0	0	0	1	1	0	0	0
56. Chronic Myocarditis specified as Rheumatic	2	0	2	2	0	2	0	0	0	0	0	0
57. Other Chronic Myocarditis	12	16	28	5	1	6	0	1	1	4	1	5
58. Diseases of the coronary arteries and angina pectoris	22	15	37	1	0	1	0	0	0	4	0	4
59. Heart disease specified as Rheumatic	0	0	0	0	0	0	0	0	0	0	0	0
60. Other Heart Diseases not specified as Rheumatic	15	1	16	3	1	4	0	0	0	4	5	9
62. Arterio sclerosis	5	2	7	5	4	9	1	0	1	3	1	4
63. Gangrene (including cancrum oris)	0	0	0	0	0	0	1	0	1	0	0	0
65. Diseases of the veins	0	0	0	0	0	0	0	0	0	0	0	0
67. High Blood Pressure	1	6	7	1	0	1	0	0	0	2	1	3
68. Other Diseases of the Circulatory System	0	0	0	1	0	1	0	0	0	0	0	0
TOTAL : GROUP 7	62	41	103	20	8	28	3	2	5	17	9	26
Total C/Forward	103	81	184	61	36	97	8	12	20	36	33	69

DEATHS. Cont'd.

	EUROPEAN RESIDENTS			NATIVE RESIDENTS			COLOURED RESIDENTS			ASIATIC RESIDENTS		
	M	F	P	M	F	P	M	F	P	M	F	P
tal B/Forward	103	81	184	61	36	97	8	12	20	36	33	69
) DISEASES OF THE RESPIRATORY SYSTEM.												
1. Diseases of the Larynx	0	0	0	1	0	1	0	0	0	0	1	1
2. Acute Bronchitis	2	0	2	0	0	0	0	0	0	0	0	0
3. Chronic Bronchitis	0	1	1	0	0	0	0	0	0	0	0	0
4. Broncho Pneumonia	5	1	6	15	7	22	1	2	3	7	5	12
5. Lobar Pneumonia	2	1	3	7	3	10	0	0	0	3	2	5
6. Pneumonia Unspecified	1	1	2	3	0	3	1	1	2	0	2	2
7. Empyema	0	0	0	1	0	1	0	0	0	1	0	1
9. Haem. Infarction of lungs, etc.	0	0	0	0	0	0	0	0	0	0	0	0
10. Chronic or unspecified congestion of the lungs	3	1	4	1	0	1	0	0	0	0	0	0
11. Asthma	0	2	2	0	0	0	0	1	1	0	0	0
12. Pulmonary Emphysema	0	0	0	0	0	0	0	0	0	0	0	0
13. Miners' Phthisis without T.B.	0	0	0	0	0	0	0	0	0	0	0	0
14. Miners' Phthisis with T.B.	0	0	0	0	0	0	0	0	0	0	0	0
117. Abscess of Lung	1	0	1	0	0	0	0	0	0	0	0	0
118. Other Diseases of Respiratory System not specified as occupational	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL : GROUP 8	14	7	21	28	10	38	2	4	6	11	10	21
Total C/Forward	117	88	205	89	46	135	10	16	26	47	43	90

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	117	88	205	89	46	135	10	16	26	47	43	90
(9) DISEASES OF THE DIGESTIVE SYSTEM												
454. Diseases of the oesophagus	0	0	0	0	0	0	0	0	0	0	0	0
455. Ulcers of the Stomach	0	1	1	0	0	0	0	0	0	0	0	0
456. Ulcers of the Duodenum	1	0	1	0	0	0	0	0	0	0	0	0
457. Other diseases of the stomach	0	0	0	0	0	0	0	0	0	0	0	0
458. Diarrhoea & Enteritis (Under 2 years)	2	0	2	11	10	21	1	2	3	4	1	5
459. Diarrhoea & Enteritis (Over 2 years)	0	1	1	1	0	1	0	0	0	1	0	1
460. Ulceration of the intestines	1	0	1	0	0	0	0	0	0	0	0	0
461. Appendicitis	1	0	1	0	0	0	0	0	0	0	0	0
462. Hernia	0	0	0	0	1	1	0	0	0	0	0	0
463. Intestinal obstruction	1	0	1	2	0	2	0	0	0	1	0	1
464. Diverticulitis	0	1	1	0	0	0	0	0	0	0	0	0
465. Other diseases of Intestines	0	1	1	0	0	0	0	0	0	0	0	0
466. Cirrhosis of Liver with mention of alcoholism	1	0	1	1	0	1	0	0	0	0	0	0
467. Cirrhosis of Liver without alcoholism	0	0	0	1	0	1	0	0	0	0	0	0
469. Oth. dis. of Liver	0	0	0	0	0	0	0	0	0	2	0	2
471. Cholecystitis without Biliary Calculi	0	0	0	0	0	0	0	0	0	0	0	0
472. Diseases of the Pancreas	0	0	0	0	0	0	0	0	0	0	0	0
473. Peritonitis without stated cause	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL : GROUP 9	7	4	11	16	11	27	1	2	3	8	1	9
Total C/Forward	124	92	216	105	57	162	11	18	29	55	44	99

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	124	92	216	105	57	162	11	18	29	55	44	99
(10) DISEASES OF THE URINARY & GENITAL SYSTEMS												
500. Acute Nephritis	1	0	1	1	0	1	0	0	0	0	0	0
501. Chronic Nephritis	7	3	10	0	0	0	0	0	0	0	2	2
502. Nephritis Unspecified	0	0	0	0	0	0	0	0	0	0	0	0
503. Pyelitis	0	0	0	0	0	0	0	0	0	0	0	0
504. Other diseases of kidneys	1	0	1	0	0	0	0	0	0	0	0	0
505. Calculi of Urinary Passages	0	0	0	0	0	0	0	0	0	0	0	0
506. Cystitis	0	0	0	0	0	0	0	0	0	0	0	0
509. Hypertrophy Prostate	0	0	0	0	0	0	0	0	0	1	0	1
510. Other diseases of Prostate	1	0	1	0	0	0	1	0	1	0	0	0
TOTAL : GROUP 10	10	3	13	1	0	1	1	0	1	1	2	3
(11) DISEASES OF PREGNANCY.												
558. Eclampsia	0	0	0	0	0	0	0	1	1	0	0	0
567. Puerperal Sepsis	0	0	0	0	1	1	0	0	0	0	0	0
575. Others	0	0	0	0	1	1	0	0	0	0	0	0
TOTAL : GROUP 11	0	0	0	0	2	2	0	1	1	0	0	0
(12) DISEASES OF THE SKIN & CELLULAR TISSUE												
600. Carbuncle, boils	0	0	0	0	0	0	0	0	0	0	0	0
601. Cellulitis	0	0	0	0	0	0	0	0	0	0	0	0
602. Other diseases of the skin, etc.	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) DISEASES OF THE BONES - ORGANS OF MOVEMENT.												
650. Osteomyelitis and Periostitis	0	0	0	0	0	0	0	0	0	0	0	0
652. Diseases of Joints, except T.B. and Rheumatism	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL : GROUP 13	0	0	0	0	0	0	0	0	0	0	0	0
Total C/Forward	134	95	229	106	59	165	12	19	31	56	46	102

DEATHS. Cont'd.

	EUROPEAN RESIDENTS			NATIVE RESIDENTS			COLOURED RESIDENTS			ASIATIC RESIDENTS		
	M	F	P	M	F	P	M	F	P	M	F	P
tal B/Forward	134	95	229	106	59	165	12	19	31	56	46	102
4) CONGENITAL MALFORMATIONS.												
0. Hydrocephalus	0	1	1	0	0	0	0	0	0	0	0	0
2. Congenital malformation of heart	0	0	0	0	1	1	0	0	0	0	0	0
4. Congenital Pyloric stenosis	0	0	0	0	0	0	0	0	0	0	0	0
8. Other stated congenital malformations	0	0	0	1	0	1	0	0	0	0	0	0
TOTAL : GROUP 14	0	1	1	1	1	2	0	0	0	0	0	0
5) DISEASES PECULIAR TO THE FIRST YEAR OF LIFE.												
0. Congenital debility	0	0	0	0	1	1	0	0	0	1	2	3
1. Premature Birth	1	4	5	3	4	7	0	0	0	2	0	2
2. Injury at birth - Intra-cranial haemorrhage	1	0	1	0	2	2	0	0	0	0	0	0
3. Other birth injuries	0	0	0	0	0	0	0	0	0	0	0	0
4. Asphyxia during or after birth	0	1	1	1	2	3	0	1	1	2	0	2
5. Intoxication due to Maternal Toxaemia	0	0	0	0	0	0	0	0	0	0	0	0
7. Melaena Neonatorum	0	1	1	0	0	0	0	0	0	0	0	0
8. Other specified diseases	1	0	1	0	0	0	0	0	0	1	0	1
TOTAL : GROUP 15	3	6	9	4	9	13	0	1	1	6	2	8
6) SENILITY.												
0. Senility (age 65 & Over)	9	6	15	2	1	3	0	0	0	4	4	8
TOTAL : GROUP 16	9	6	15	2	1	3	0	0	0	4	4	8
Total C/Forward	146	108	254	113	70	183	12	20	32	66	52	118

DEATHS. Cont'd.

	EUROPEAN RESIDENTS			NATIVE RESIDENTS			COLOURED RESIDENTS			ASIATIC RESIDENTS		
	M	F	P	M	F	P	M	F	P	M	F	P
tal B/Forward	146	108	254	113	70	183	12	20	32	66	52	118
7) VIOLENT OR ACCIDENTAL DEATHS.												
Suicide by -												
50. Corrosive substances	0	0	0	0	0	0	0	0	0	0	0	0
52. Other or unspecified solid or liquid poisons	0	0	0	0	0	0	0	0	0	0	0	0
56. Hanging or Strangulation	0	0	0	0	0	0	0	0	0	1	0	1
57. Drowning	0	0	0	0	0	0	0	0	0	0	0	0
58. Firearms & explosives	2	0	2	0	0	0	0	0	0	0	0	0
Homicide by -												
65. Firearms	0	0	0	1	0	1	0	0	0	0	0	0
66. Cutting or Piercing Instruments	0	0	0	0	0	0	0	0	0	0	0	0
67. Other or unspecified means	0	0	0	0	0	0	0	0	0	0	0	0
68. Railway Accidents	3	0	3	2	0	2	0	0	0	0	0	0
71. Other accidents (Motor-driven Road) (Vehicles)	0	0	0	0	0	0	0	0	0	3	0	3
74. Other motor cycle accidents	1	0	1	0	0	0	0	0	0	0	0	0
77. Accidental deaths - Other accidents	0	0	0	0	0	0	0	0	0	0	0	0
79. Air transport accidents	0	0	0	0	0	0	0	0	0	0	0	0
85. Other Agricultural accidents	0	0	0	1	0	1	0	0	0	0	0	0
89. Other acute accidental poisoning (not by gas)	0	0	0	2	1	3	0	0	0	0	0	0
91. Accidental burns	0	0	0	0	0	0	0	0	0	0	0	0
93. Accidental drowning	0	0	0	0	1	1	0	0	0	2	0	2
96. Accidental injury by fall	1	0	1	0	0	0	0	0	0	0	0	0
04. Other accidents due to electric currents	0	0	0	0	0	0	0	0	0	1	0	1
06. Anaesthetic accidents	0	0	0	1	0	1	0	0	0	0	0	0
08. Other & Unspecified Accidents	0	0	0	0	0	0	0	0	0	0	0	0
910. From Wounds	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL : GROUP 17	7	0	7	7	2	9	0	0	0	7	0	7
Total C/Forward	153	108	261	120	72	192	12	20	32	73	52	125

DEATHS. Cont'd.

	EUROPEAN RESIDENTS			NATIVE RESIDENTS			COLOURED RESIDENTS			ASIATIC RESIDENTS		
	M	F	P	M	F	P	M	F	P	M	F	P
tal B/Forward	153	108	261	120	72	192	12	20	32	73	52	125
8) ILL-DEFINED CAUSES OF DEATH.												
0. Sudden Death	1	0	1	0	0	0	0	0	0	0	0	0
1. Ill-defined causes	3	0	3	0	1	1	0	0	0	0	0	0
2. Found dead, cause unknown	0	0	0	1	0	1	1	0	1	0	0	0
3. Other deaths from unknown or unspecified causes	0	0	0	0	0	0	0	0	0	0	1	1
TOTAL : GROUP 18	4	0	4	1	1	2	1	0	1	0	1	1
TOTAL	157	108	265	121	73	194	13	20	33	73	53	126

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
012. Diphtheria	0	0	0	0	0	0	1	0	1	0	1	1	1	1	2
015. Pulmonary T.B.	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1
016. Tuberculosis - Central Nervous System	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1
027. Septicaemia	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1
043. Congenital Syphilis	0	0	0	2	2	4	0	0	0	0	0	0	2	2	4
055. Acute Poliomyelitis	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1
131. Non-Malignant Tumours	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
170. Other vitamin-deficiency diseases	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1
200. Primary Purpura	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1
302. Pneumococcal Meningitis	0	0	0	1	0	1	1	0	1	0	0	0	2	0	2
305. Cerebral Haemorrhage	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
360. Other diseases of Heart	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
404. Broncho Pneumonia	0	0	0	9	4	13	0	1	1	5	2	7	14	7	21
405. Lobar Pneumonia	0	0	0	2	1	3	0	0	0	1	0	1	3	1	4
406. Pneumonia unspecified	0	0	0	2	0	2	1	1	2	0	2	2	3	3	6
458. Diarrhoea & Enteritis	1	0	1	7	6	13	1	1	2	4	0	4	12	7	19
462. Hernia	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1
463. Intestinal Obstruction	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
700. Hydrocephalus	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
708. Other Congenital Malformations	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
750. Congenital Debility	0	0	0	0	1	1	0	0	0	1	2	3	1	3	4
751. Premature Birth	1	4	5	3	4	7	0	0	0	1	0	1	4	4	8
752. Intra-cranial Haemorrhage	1	0	1	0	2	2	0	0	0	0	0	0	0	2	2
754. Asphyxia	0	1	1	1	2	3	0	1	1	2	0	2	3	3	6
757. Melaena neonatorum	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
758. Other specified diseases	1	0	1	0	0	0	0	0	0	1	0	1	1	0	1
953. Unknown causes	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1
TOTAL :	5	7	12	31	25	56	4	5	9	16	10	26	51	40	91

INFANTILE MORTALITY

RESIDENTS

	EUROPEAN			NATIVE			COLOURED			ASIATIC			ALL NON-EUR.		
	M	F	P	M	F	P	M	F	P	M	F	P	M	F	P
During 1st Week	3	6	9	8	8	16	0	1	1	3	2	5	11	11	22
1st Week - 3 Weeks	0	0	0	1	2	3	0	0	0	2	0	2	3	2	5
1 Month - 2 Months	0	1	1	4	5	9	1	1	2	1	1	2	6	7	13
3 Months - 5 Months	2	0	2	9	4	13	1	0	1	5	4	9	15	8	23
6 Months - 8 Months	0	0	0	6	4	10	2	1	3	2	1	3	10	6	16
9 Months - 11 Months	0	0	0	3	2	5	0	2	2	3	2	5	6	6	12
TOTAL :	5	7	12	31	25	56	4	5	9	16	10	26	51	40	91

INFANTILE MORTALITY RATES

(DEATHS PER 1,000 BIRTHS)

	European			Native			Coloured			Asiatic		
During 1st Week	9	:	12.8	16	:	52.8	1	:	7.5	5	:	7.1
1 week - 3 weeks	0	:	0	3	:	9.9	0	:	0	2	:	2.8
1 month - 2 months	1	:	0.14	9	:	29.7	2	:	15.0	2	:	2.8
3 months - 5 months	2	:	0.3	13	:	42.9	1	:	7.5	9	:	12.8
6 months - 8 months	0	:	0	10	:	33.0	3	:	22.5	3	:	4.3
9 months - 11 months	0	:	0	5	:	16.5	2	:	15.0	5	:	7.1
Infantile Mortality Rate	12	:	17.04	56	:	184.8	9	:	67.7	26	:	36.9

PERCENTAGE OF DEATHS AT ALL AGES OCCURRING IN THE FIRST YEAR OF LIFE.

European : 4.5%
Native : 28.9%
Coloured : 27.3%
Asiatic : 20.6%

All Non-European : 25.8%
All Races : 16.7%

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	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Tuberculosis (All Forms)	0	0.0	1	1.8	1	11.1	0	0.0	2	2.2
Gastro-Intestinal Infections	1	8.5	13	23.3	2	22.2	4	15.4	19	20.9
Bronchitis & Pneumonia	0	0.0	18	32.4	3	33.3	10	38.5	31	34.0
Malformations	1	8.5	1	1.8	0	0.0	0	0.0	1	1.1
Congenital Debility	0	0.0	1	1.8	0	0.0	3	11.4	4	4.4
Prematurity	5	42.5	7	12.5	0	0.0	1	3.8	8	8.8
Injury at Birth	1	8.5	2	3.6	0	0.0	0	0.0	2	2.2
Asphyxia	1	8.5	3	5.4	1	11.1	2	7.6	6	6.6
Melaena Neonatorum	1	8.5	0	0.0	0	0.0	0	0.0	0	0.0
Syphilis	0	0.0	4	7.2	0	0.0	0	0.0	4	4.4
Diphtheria	0	0.0	0	0.0	1	11.1	1	3.8	2	2.2
Other Specified Causes	2	17.0	6	10.8	1	11.1	4	15.4	13	14.3
Ill-Defined Causes	0	0.0	0	0.0	0	0.0	1	3.8	1	1.1
	12		56		9		26		91	

PULMONARY TUBERCULOSIS.

DEATHS IN MONTHS OF THE YEAR.

RESIDENTS

	European			Native			Coloured			Asiatic			All Non-Eur.		
	M	F	P	M	F	P	M	F	P	M	F	P	M	F	P
July	0	0	0	1	2	3	0	0	0	0	0	0	1	2	3
August	1	0	1	2	1	3	0	0	0	1	2	3	3	3	6
September	0	0	0	1	2	3	0	0	0	0	1	1	1	3	4
October	0	0	0	2	0	2	0	0	0	3	0	3	5	0	5
November	1	1	2	0	1	1	0	0	0	1	1	2	1	2	3
December	0	1	1	1	0	1	1	0	1	0	1	1	2	1	3
January	1	2	3	2	0	2	0	0	0	0	1	1	2	1	3
February	0	0	0	1	0	1	0	1	1	1	0	1	2	1	3
March	1	0	1	0	2	2	0	0	0	3	1	4	3	3	6
April	1	0	1	1	0	1	1	0	1	0	0	0	2	0	2
May	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
June	0	0	0	1	2	3	0	1	1	0	2	2	1	5	6
TOTAL :	5	4	9	13	10	23	2	2	4	9	9	18	24	21	45

PULMONARY TUBERCULOSIS DEATH RATES PER 1,000 POPULATION

European	:	0.34
Native	:	1.44
Coloured	:	1.46
Asiatic	:	1.66
All Non-European	:	1.53
ALL PERSONS	:	0.97

DEATHS IN AGE GROUPS

RESIDENTS

	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	1	1	0	0	0	0	0	0	0	1	1
1 - 2 years	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1
2 - 4 years	0	0	0	0	1	1	1	0	1	0	1	1	1	2	3
5 - 14 years	0	0	0	0	1	1	0	0	0	0	1	1	0	2	2
15 - 24 years	1	0	1	1	4	5	0	0	0	3	1	4	4	5	9
25 - 34 years	0	1	1	3	1	4	0	0	0	1	2	3	4	3	7
35 - 44 years	1	1	2	2	1	3	0	0	0	2	2	4	4	3	7
45 - 54 years	1	0	1	7	1	8	0	1	1	1	1	2	8	3	11
55 - 64 years	0	2	2	0	0	0	0	1	1	1	0	1	1	1	2
65 - 74 years	2	0	2	0	0	0	1	0	1	1	0	1	2	0	2
75 & Over	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL :	5	4	9	13	10	23	2	2	4	9	9	18	24	21	45

NON-PULMONARY TUBERCULOSIS

DEATHS IN MONTHS OF THE YEAR.

RESIDENTS

	European			Native			Coloured			Asiatic			All Non-Eur.		
	M	F	P	M	F	P	M	F	P	M	F	P	M	F	P
July	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1
August	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
October	0	0	0	2	0	2	0	0	0	0	0	0	2	0	2
November	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1
December	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
January	0	1	1	1	1	2	0	0	0	1	0	1	2	1	3
February	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
March	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1
April	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
May	0	0	0	2	0	2	0	0	0	0	0	0	2	0	2
June	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL :	0	1	1	6	2	8	0	1	1	1	1	2	7	4	11

DEATH RATE PER 1,000 POPULATION

European	:	0.04
Native	:	0.50
Coloured	:	0.36
Asiatic	:	0.18
All Non-European	:	0.37
ALL PERSONS	:	0.21

DEATHS IN AGE GROUPS

RESIDENTS

	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	1	1	0	0	0	0	1	1
1 - 2 years	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1
2 - 4 years	0	1	1	0	1	1	0	0	0	1	0	1	1	1	2
5 - 14 years	0	0	0	2	0	2	0	0	0	0	0	0	2	0	2
15 - 24 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 - 34 years	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1
35 - 44 years	0	0	0	3	0	3	0	0	0	0	0	0	3	0	3
45 - 54 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55 - 64 years	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
65 - 74 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 & Over	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL :	0	1	1	6	2	8	0	1	1	1	1	2	7	4	11

CANCER

DEATHS IN AGE GROUPS

RESIDENTS

	European			Native			Coloured			Asiatic			All Non-Eur.		
	M	F	P	M	F	P	M	F	P	M	F	P	M	F	P
Under 1 year	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
1 - 2 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 - 4 years	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1
5 - 14 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 - 24 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 - 34 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 - 44 years	2	1	3	0	0	0	0	2	2	0	1	1	0	3	3
45 - 54 years	1	2	3	0	1	1	0	0	0	0	0	0	0	1	1
55 - 64 years	3	6	9	0	0	0	0	1	1	0	1	1	0	2	2
65 - 74 years	5	3	8	0	0	0	0	0	0	1	1	2	1	1	2
75 & Over	4	4	8	0	0	0	1	0	1	1	0	1	2	0	2
TOTAL :	16	16	32	0	2	2	1	3	4	2	3	5	3	8	11

DEATH RATES PER 1,000 POPULATION

European	:	1.21
Native	:	0.12
Coloured	:	1.46
Asiatic	:	0.46
All Non-European	:	0.37
ALL PERSONS	:	0.77

FORMS OF CANCER CAUSING DEATHS GIVEN IN AGE GROUPS

RESIDENTS ONLY

	0 - 24				25 - 44				45 - 64				65 & Over			
	Eur.		N-Eur.		Eur.		N-Eur.		Eur.		N-Eur.		Eur.		N-Eur.	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Cancer of :-																
100. Buccal Cavity	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0
101. Oesophagus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102. Stomach & Duodenum	0	0	0	0	0	0	0	0	1	0	0	1	4	2	0	1
103. Rectum	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0
104. Liver	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105. Pancreas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106. Other digestive organs (incl. peritoneum)	0	0	0	0	0	0	0	1	0	1	0	0	1	1	0	0
107. Larynx	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
108. Mediastinum	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
109. Lung	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110. Uterus	0	0	0	0	0	0	0	1	0	4	0	2	0	1	0	0
111. Other female genital organs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
112. Breast	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0
113. Prostate	0	0	0	0	0	0	0	0	1	0	0	0	1	0	2	0
114. Oth. Male genital organs	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
115. Male & Female urinary organs	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0
116. Skin	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
117. Brain & oth. parts of Nervous System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119. Oth. & unspecified organs	0	0	0	0	2	0	0	0	0	0	0	0	1	1	0	0
131. Non-Malignant Tumours - Other & unspecified organs	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tumours of undetermined nature-																
133. Uterus	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
135. Brain, etc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL :	1	0	0	1	2	1	0	3	4	8	0	3	9	7	3	1

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
July	3	1	4	3	0	3	0	0	0	0	0	0	3	0	3
August	3	0	3	2	0	2	0	0	0	2	1	3	4	1	5
September	0	0	0	0	1	1	0	0	0	0	1	1	0	2	2
October	0	0	0	0	1	1	1	0	1	0	0	0	1	1	2
November	0	2	2	2	2	4	0	1	1	0	0	0	2	3	5
December	0	0	0	3	1	4	0	0	0	1	1	2	4	2	6
January	1	1	2	6	2	8	0	1	1	1	2	3	7	5	12
February	1	0	1	2	1	3	1	0	1	2	1	3	5	2	7
March	0	0	0	1	1	2	0	1	1	2	0	2	3	2	5
April	1	0	1	1	1	2	0	0	0	0	1	1	1	2	3
May	0	0	0	1	0	1	0	0	0	0	1	1	1	1	2
June	1	0	1	4	0	4	0	0	0	2	1	3	6	1	7
TOTAL :	10	4	14	25	10	35	2	3	5	10	9	19	37	22	59

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	0	0	0	13	5	18	1	2	3	6	4	10	20	11	31
1 - 2 years	0	0	0	3	1	4	1	1	2	2	2	4	6	4	10
2 - 4 years	0	1	1	0	1	1	0	0	0	1	3	4	1	4	5
5 - 14 years	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1
15 - 24 years	0	0	0	2	1	3	0	0	0	0	0	0	2	1	3
25 - 34 years	1	0	1	2	0	2	0	0	0	0	0	0	2	0	2
35 - 44 years	3	0	3	2	0	2	0	0	0	0	0	0	2	0	2
45 - 54 years	0	1	1	3	1	4	0	0	0	1	0	1	4	1	5
55 - 64 years	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0
65 - 74 years	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0
75 & Over	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL :	10	4	14	25	10	35	2	3	5	10	9	19	37	22	59
Bronchitis	2	1	3	0	0	0	0	0	0	0	0	0	0	0	0
Pneumonia	8	3	11	25	10	35	2	3	5	10	9	19	37	22	59
TOTAL :	10	4	14	25	10	35	2	3	5	10	9	19	37	22	59

DEATH RATES PER 1.000 POPULATION

BRONCHITIS : (Code Nos. 402 - 403)

European	:	0.11
Native	:	-
Coloured	:	-
Asiatic	:	-
All Non-European	:	-
ALL PERSONS	:	0.05

PNEUMONIA : (Code Nos. 404 - 406)

European	:	0.42
Native	:	2.20
Coloured	:	1.82
Asiatic	:	1.75
All Non-European	:	2.00
ALL PERSONS	:	1.25

DISEASES OF THE HEART AND CIRCULATORY SYSTEM

(Code Nos. 350 - 368)

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	1	0	1	0	0	0	0	0	0	1	0	1
1 - 2 years	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
2 - 4 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 - 14 years	0	1	1	0	0	0	0	0	0	0	1	1	0	1	1
15 - 24 years	1	0	1	1	1	2	1	0	1	0	0	0	2	1	3
25 - 34 years	0	0	0	2	0	2	0	0	0	1	2	3	3	2	5
35 - 44 years	4	0	4	3	0	3	0	0	0	3	1	4	6	1	7
45 - 54 years	4	3	7	5	1	6	1	0	1	1	3	4	7	4	11
55 - 64 years	14	4	18	4	2	6	0	1	1	4	1	5	8	4	12
65 - 74 years	21	12	33	2	2	4	1	1	2	5	1	6	8	4	12
75 & Over	18	21	39	1	2	3	0	0	0	3	0	3	4	2	6
TOTAL :	62	41	103	20	8	28	3	2	5	17	9	26	40	19	59

DEATH RATE (PER 1,000 POPULATION)

European	:	3.90
Native	:	1.76
Coloured	:	1.82
Asiatic	:	2.40
All Non-European	:	2.00
ALL PERSONS	:	2.90

DEATHS DUE TO DIARRHOEA AND ENTERITIS (Under age of 2 years)

(Code No. 458)

RESIDENTS

	European			Native			Coloured			Asiatic			All Non-Eur.		
	M	F	P	M	F	P	M	F	P	M	F	P	M	F	P
July	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
August	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1
September	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
October	0	0	0	0	2	2	1	0	1	1	0	1	2	2	4
November	0	0	0	0	2	2	0	0	0	0	0	0	0	2	2
December	0	0	0	1	1	2	0	1	1	1	0	1	2	2	4
January	0	0	0	4	1	5	0	0	0	0	0	0	4	1	5
February	0	0	0	3	2	5	0	0	0	0	0	0	3	2	5
March	1	0	1	0	1	1	0	1	1	1	0	1	1	2	3
April	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1
May	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
June	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL :	2	0	2	11	10	21	1	2	3	4	0	4	16	12	28

DISTRICTS OF RESIDENCE OF CASES OF ENTERIC FEVER AND TUBERCULOSIS

	Notifications of Enteric Fever	Deaths from Tuberculosis
P.M. Burg Central	17	31
Zwartkop Valley	0	1
Wembley	0	3
Scottsville (in water supply area)	6	3
Scottsville (outside water supply area)	0	0
Mountain Rise	2	1
Pentrich (in water supply area)	5	12
Pentrich (outside water supply area)	0	0
Chase and Town Bush Valleys	0	0
Sobantu Village	0	11
Hathorn's Hill	0	3
Asiatic Housing Scheme	0	0
No fixed abode	0	1
TOTAL :	30	66

TUBERCULOSIS CLINIC

July 1st, 1947, to June 30th, 1948.

	European				Native				Coloured				Asiatic				Total			
	Bor.		O/B		Bor.		O/B		Bor.		O/B		Bor.		O/B		Bor.		O/B	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
New Cases	23	34	1	2	46	35	65	47	6	7	4	3	53	17	9	9	128	93	79	61
Total Attendances	88	101	14	7	173	78	105	72	40	43	12	30	265	60	102	21	566	282	233	130
Sputa Examined	-	-	-	-	-	-	-	-	1	-	-	-	4	-	-	-	5	-	-	-
Sputa Positive	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
X-ray Examinations	33	47	5	2	32	62	66	34	15	15	5	6	105	36	14	4	185	160	90	46
" Positive	12	5	-	3	13	12	32	8	5	7	3	3	38	15	13	1	68	39	48	15
Positive Diagnosis made	-	1	-	-	2	-	8	3	1	-	-	1	1	1	3	1	4	2	11	5
Admitted to Hospital from Clinic	-	-	-	1	1	3	7	4	1	-	1	-	-	-	-	1	2	3	8	6
Contacts Examined	7	6	-	-	1	-	4	-	1	2	2	1	9	8	3	1	18	16	9	2

	EUROPEAN	NATIVE	COLOURED	ASIATIC	TOTAL
Home Visits to Tuberculotics and their contacts (Borough cases only)	557	1,810	153	548	3,068

VENEREAL DISEASE

CLINIC ATTENDANCES FOR THE YEAR ENDING 30th JUNE, 1948.

EUROPEAN (for key) (see page 54)	A Transferred to Hospital				B New Cases				C Transferred from Hospital & Oth. Clinics				D Undergoing Course II of treatment				E Undergoing Course III of treatment				F Undergoing Course IV of treatment				G Undergoing Course V of treatment				H Total Attendances			
	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					1				1		1		50		15		80		11										182		38	
2					1				3	1			29	2	5		27		1		17				64				170	2	6	
3					1				6	2	1		43	2	5	2	23	7		10	7	3		2	13	9		2	160	33	14	15
4																																
5						3			3	3			15	19		9	10	16		6	10				28	28			111	85		13
6																																
7						1		1																	1				1	2		3
8																																
9	1				4	2	2	1	5		2																		50	18	15	1
10																																
11																																
12									1																							
13																																
14																																
15																																
16																																
17					1	2			2	1																			13	12	1	
18																													33	1	2	1
TOTAL :	1	0	0	0	8	8	2	2	21	7	4	0	137	23	25	11	140	23	12	16	34	3	0	2	106	37	0	2	720	153	76	33

19. Discharged on Probation. Borough : Males 19 Females 7 Out-of-Borough : Males 10 Females 6

20. Discharged Finally " : Males 7 Females 8 " : Males 2 Females 1

VENEREAL DISEASE. Cont'd.

CLINIC ATTENDANCES FOR THE YEAR ENDING 30th JUNE, 1948.

NATIVE (for key) (see page) (54)	A Transferred to Hospital				B New Cases				C Transferred from Hospital & Oth. Clinics				D Undergoing Course II of Treatment				E Undergoing Course III of Treatment				F Undergoing Course IV of Treatment				G Undergoing Course V of treatment				H Total Attendances			
	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	2		4		1				55	4	19	5	289	9	57	6	128	1	11	4	97		5		39				851	42	148	28
2	5		1		2				52	5	16	3	429	6	68	31	328	2	34	21	232		45		206	21	27	17	1589	43	303	108
3	6	5	3	12	3	2		2	169	80	58	142	730	305	212	374	458	126	58	142	282	72	33	107	28	77	43	53	2602	1109	673	1404
4	1		1		1			1	7	1	8	2	24		3	32	10			2	2	1	1	4	68	45	9	38	179	53	49	106
5	2	3		6	11	18	3	38	94	100	30	174	479	283	53	368	333	229	22	245	270	122	21	160	315	78	17	133	2398	1541	306	2421
6								1																			5				9	1
7	1	1	2	1		4	9	12	7	9	18	32	5		18	13	13		23	11		3	2	9		1	1	1	56	63	173	256
8		1	1		2	4	1	3	3	4	1	5		1	13	8			5	1				4	1	46		1	16	97	85	66
9	1		1		5	1	1	2	42	7	12	11																	271	63	52	109
10																																
11	1		1	1	1				2		1	2																	7		13	7
12	1		1		1				8			1																	35		1	2
13	1								8																				55	1	12	3
14																																1
15						1			21	2	3	1																	85	12	10	5
16																													1			
17	2	1	1	1	45	27	18	45	64	50	41	68																	337	241	289	440
18						1		1	9	7	2	5																	117	36	19	37
TOTAL :	23	11	16	21	72	58	32	105	541	269	209	451	1956	604	424	832	1270	358	153	426	883	198	107	284	657	268	102	243	8599	3301	2142	4994

19. Discharged on Probation : Borough : Male 206 Female 90 O/Borough : Male 125 Female 177

20. Discharged Finally : " : Male 59 Female 41 O/Borough : Male 21 Female 50

VENEREAL DISEASE. Cont'd.

CLINIC ATTENDANCES FOR THE YEAR ENDING 30th JUNE, 1948.

COLOURED (for Key) (see page) (54)	A Transferred to Hospital				B New Cases				C Transferred from Hospital & Oth. Clinics				D Undergoing Course II of Treatment				E Undergoing Course III of Treatment				F Undergoing Course IV of Treatment				G Undergoing Course V of Treatment				H Total Attendances			
	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	1				1					1		1	10	2			4												21	27		16
2									4				18	11		1	8	4			10								76	15	3	8
3									3	2	1	1	30	3		16	13	22		18	10		1	4	3				69	75	23	60
4									1		1		6					13			1	9							20	36	1	
5									2	8	1	3	15	9	3	15	1	18	13	15	15	31		10	20	33	13	8	69	253	43	102
6																																
7									2	1			2		6							6							27	9	2	
8						1					1		1								22	23							25	27	2	
9									3	1	1																		12	14	3	
10																																
11																																
12																																
13																																
14																																
15																																
16																																
17					8	3		2	7	3	1	5																	48	19	5	20
18											1																				3	
TOTAL	1	0	0	0	9	4	0	2	22	16	7	10	82	25	9	32	26	57	13	33	58	69	1	14	23	33	13	8	367	475	85	206

19. Discharged on Probation. Borough : Male 19 Female 22 O/Borough : Male 5 Female 5

20. Discharged Finally Cured. Borough : Male 3 Female 0 O/Borough : Male 0 Female 0

VENEREAL DISEASE. Cont'd.

CLINIC ATTENDANCES FOR THE YEAR ENDING 30th JUNE, 1948.

ASIATIC (For key) (See Page) (54)	A Transferred to Hospital				B New Cases				C Transferred from Hospital & Oth. Clinics				D Undergoing Course II of Treatment				E Undergoing Course III of Treatment				F Undergoing Course IV of Treatment				G Undergoing Course V of Treatment				H Total Attendances			
	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	1						1		5			1	6	3			7												39	5	4	9
2					1				4	1			29	1			13				18	5			14				140	21		2
3						1			8	3	1	2	31	23		6	15			5	1	6	1		2	1			113	62	3	33
4									1						2		3				28				4				41		22	
5					1	1	1		10	18	2	8	9	61	1		11	44	5		9	43			13	21	6		111	424	29	29
6																																
7					1	3			4	3			5		1			9								31			31	81	1	
8					3					1			13	10			15	32			19				1	1			57	59	3	3
9									1		1																		27		17	
10																																
11																																
12																																
13																																
14																																
15																																
16																																
17					3	2	3	2	9	16	3	2																	50	88	21	12
18									1																				8			
TOTAL	1	0	0	0	9	7	5	2	43	42	7	13	93	98	4	6	64	85	5	5	75	54	1	0	34	54	6	0	617	740	100	88

19. Discharged on Probation. Borough : Male 25 Female 28 O/Borough : Male 2 Female 4

20. Discharged Finally Cured. Borough : Male 7 Female 10 O/Borough : Male 1 Female -

VENEREAL DISEASE. Cont'd.

EPIDEMIC (V.D.) HOSPITAL RETURNS

YEAR ENDING 30th JUNE, 1948.

NATIVES (For key) (See Page 54)	A In Hospital last day of precdg. year				B Admitted from Pass Office & Goal				C Admitted Voluntary & from V.D. Clinic				Discharged or Absconded or Died after Treatment of Duration: D 0 - 14 Days				E 15 - 28 Days				F 29 - 42 Days				G 43 - 56 Days				H 57 + Days			
	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	3	1	4	2	17		6	2	56	6	62	14	33	3	36	10	34	4	33	7	2		2				1					
2	5		3		12	1	9	1	43	1	97	19	30		40	9	23	1	55	9	4	1	7	1	2							
3	4	2	15	22	28	14	19	49	163	126	373	507	101	70	198	271	73	56	191	248	7	7	16	19	1	1	4	2	2	1	2	4
4							1	1	2	2	9	8	1	3		1	1		3	4		1	2	4			1				1	
5	1			2	3		2	7	12	14	21	76	15	11	18	57	1	2	3	22				1			1				1	
6																																
7			3					1	7	6	43	37	5	5	33	28	1	1	9	9								1				
8			3	1				1	2	3	19	27	1	2	10	12	1	1	9	9			1	1			1					
9			5	2	12	3	5	7	54	15	61	40	60	163	63	40	4	1	6	6			1								1	
10				1								2				1																
11			2						4	3	16	7	4	2	13	5			2													
12									11	1	9	2	8	2	6	2	5		3	1							1					
13									7		5	1	2		2		4		1				1									
14									1		4	2				1			1				1								1	1
15		1	1	1	10		7	2	11	2	23	12	5		14	3	13	3	13	5			1	4			1	1				2
16																																
17		1	1	2	3	3	5	13	28	23	107	134	25	27	87	116	4		24	23	3		1	3				3				

No. of admissions during Year. Male : Bor. 475 O/B 909 Female : Bor. 222 O/B 964

No. of discharges, etc. during Year. Male : Bor. 465 O/B 893 Female : Bor. 219 O/B 951

No. of Patients suffering from 2 or more Venereal Diseases.	Bor. Male	Bor. Fem.	O/B Male	O/B Female
	13	2	24	7

VENEREAL DISEASE. Cont'd.

EPIDEMIC (V.D.) HOSPITAL RETURNS
YEAR ENDING 30th JUNE, 1948.

COLOURED (FOR KEY) (See Page) (54)	A In Hospital last day of precdg. year				B Admitted from Pass Office & Gaol				C Admitted Voluntary & 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 - 46 Days G				57 + Days H			
	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									2				1				1															
2									1		2			1	1		1		1													
3				1					1	2	3	2		2	2	1			1	2												
4													1																			
5																																
6																																
7																																
8																																
9									1		2		1		2																	
10																																
11																																
12																																
13																																
14																																
15												1								1												
16																																
17									1	1			1	1																		

	Borough Male	Borough Female	O/Borough Male	O/Borough Female
No. of admissions during year	7	3	7	3
No. of discharges during year	6	3	7	4

	Borough Male	Borough Female	O/Borough Male	O/Borough Female
No. of Patients suffering from 2 or more Venereal Diseases	-	-	-	-

VENEREAL DISEASE. Cont'd.

EPIDEMIC (V.D.) HOSPITAL RETURNS
YEAR ENDING 30th JUNE, 1948.

ASIATICS (For key) (See Page) (54)	A In Hospital last day of precdg. year				B Admitted from Pass Office & Gaol				C Admitted Voluntary & 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				57 + Days H			
	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									2		3		3		3																	
2									2	1	4		2	1	4																	
3	1								2	3	3	2	2	3	2	2	1		1													
4									1		1		1		1																	
5											1								1													
6																																
7									1				1																			
8																																
9	1								8		2		7		1		1		1													
10																																
11																																
12																																
13																																
14																																
15									1				1																			
16																																
17												1				1																

	Borough Male	Borough Female	O/Borough Male	O/Borough Female
No. of admissions during year	16	4	14	3
No. of discharges during year	19	4	14	3

	Borough Male	Borough Female	O/Borough Male	O/Borough Female
No. of Patients suffering from 2 or more Venereal Diseases.	2	0	1	0

VENEREAL DISEASE. Cont'd.

ANTE-NATAL TREATMENT OF SYPHILIS AT V.D. CLINICS

YEAR ENDING 30th JUNE, 1948.

	STAGE OF PREGNANCY																							
	1 - 3 months								4 - 6 months								7 - 9 months							
	Eur.		Nat.		Col.		As.		Eur.		Nat.		Col.		As.		Eur.		Nat.		Col.		As.	
	B	O/B	B	O/B	B	O/B	B	O/B	B	O/B	B	O/B	B	O/B	B	O/B	B	O/B	B	O/B	B	O/B	B	O/B
No. of Pregnant women submitted to Serological Test	-	-	1	5	1	-	-	-	-	-	5	21	6	1	3	-	-	-	20	50	2	3	8	4
No. of Positive or doubtful Reactors	-	-	-	1	-	-	-	-	-	-	3	9	1	-	1	-	-	-	20	27	1	1	3	-
No. of those who had previously received treatment	-	-	-	1	-	-	-	-	-	-	3	4	-	-	2	-	-	-	2	5	-	-	1	-
No. undergoing a First course of treatment during pregnancy	-	-	-	1	1	-	-	-	-	-	2	20	3	-	2	-	-	-	13	37	1	2	7	4
No. undergoing a 2nd or 3rd course of treatment during pregnancy	-	-	1	3	-	-	-	-	-	-	3	4	1	-	2	-	-	-	3	11	-	1	2	-

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. Endosyphilis (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. Ulcus Molle.
13. Lymphopathia Venereum.
14. Granuloma Venereum.
15. Venereal Warts.
16. Phagedaena.
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 : 59 FEMALE : 48 TOTAL : 107

VENEREAL DISEASE HOME VISITS

European		Native		Coloured		Asiatic		Total		
M	F	M	F	M	F	M	F	M	F	PERSONS
73	59	890	570	107	235	166	317	1236	1181	2417

ISOLATION HOSPITAL (EUROPEAN) AND NON-EUROPEAN INFECTIOUS DISEASES HOSPITAL CASES ADMITTED JULY 1st, 1947, to JUNE 30th, 1948.

	Borough Cases					Out-of-Borough Cases					Total Cases Borough & Out/Borough
	E	N	C	A	Total	E	N	C	A	Total	
Scarlet Fever	13	-	-	-	13	2	-	-	1	3	16
Measles	37	16	-	2	55	11	68	-	-	79	134
Diphtheria	13*	5	5	10	33	7	25	3	8	43	76
Mumps	48	4	-	-	52	-	1	-	-	1	53
Whooping Cough	5	3	2	1	11	2	10	-	-	12	23
Chicken Pox	9	8	-	-	17	1	10	1	-	12	29
Meningitis (C.S. Fever)	-	4	-	1	5	-	4	-	-	4	9
Pneumococcal Meningitis	-	1	-	-	1	-	-	-	-	-	1
Erysipelas	1	-	-	-	1	1	-	-	-	1	2
German Measles	4	-	-	-	4	-	-	-	-	-	4
Louse Borne Typhus Fever	-	-	-	-	-	-	3	-	-	3	3
Murine Typhus Fever	1	-	-	-	1	-	-	-	-	-	1
Typhoid Carrier	-	-	-	1	1	-	-	-	-	-	1
Pulmonary Tuberculosis	-	10	5	10	25	-	44	2	4	50	75
T.B. Meningitis	-	-	-	-	-	-	1	-	-	1	1
Poliomyelitis	27	2	1	2	32	4	21	-	-	25	57
Pemphigus Neonatorum	-	-	-	1	1	-	-	-	-	-	1
Tick Bite Fever	-	-	-	-	-	1	-	-	-	1	1
Streptococcal Throat	-	-	-	-	-	1	-	-	-	1	1
Boarder	-	1	-	1	2	1	2	-	-	3	5
TOTAL :	158	54	13	29	254	31	189	6	13	239	493

* Including 2 "Carriers".

ISOLATION HOSPITAL AND NON-EUROPEAN INFECTIOUS DISEASES HOSPITAL.

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

BOROUGH CASES.

In 2 cases (Eur.) diagnosis Scarlet Fever altered to Tonsillitis.
In 1 case (Eur.) diagnosis " " altered to Haemolytic Streptococcal Tonsillitis.
In 1 case (Eur.) diagnosis " " altered to P.U.O.
In 2 cases (Eur.) diagnosis " " altered to Measles.
In 2 cases (1 Nat., 1 As.) diagnosis Diphtheria altered to Tonsillitis.
In 1 case (Eur.) diagnosis Diphtheria altered to Measles.
In 1 case (Col.) diagnosis " altered to Diphtheroids.
In 1 case (Nat.) diagnosis " altered to Nil Abnormal.
In 1 case (Nat.) diagnosis " altered to Peritonsillar Abscess.
In 1 case (Nat.) diagnosis Measles altered to Urticaria.
In 1 case (Nat.) diagnosis Erysipelas altered to Cellulitis.
In 1 case (Nat.) diagnosis Mumps altered to Not Mumps.
In 1 case (Eur.) diagnosis " altered to Tonsillitis and Stomatitis.
In 1 case (Eur.) diagnosis " altered to Pharyngitis.
In 2 cases (1 Eur., 1 Col.) diagnosis Whooping Cough altered to Acute Bronchitis.
In 1 case (Nat.) diagnosis Whooping Cough altered to Broncho Pneumonia.
In 1 case (Nat.) diagnosis " " altered to Congenital Syphilis.
In 1 case (Eur.) diagnosis Chicken Pox altered to Allergic Dermatitis.
In 1 case (Nat.) diagnosis " " altered to Secondary Syphilis.
In 5 cases (Eur.) diagnosis Anterior Poliomyelitis altered to Influenza.
In 3 cases (2 Eur., 1 Nat.) diagnosis Anterior Poliomyelitis altered to P.U.O.
In 1 case (Eur.) diagnosis Anterior Poliomyelitis altered to Meningitis.
In 1 case (Nat.) diagnosis " " altered to T.B. Meningitis.
In 1 case (Col.) diagnosis " " altered to Gastro-Enteritis.
In 1 case (Eur.) diagnosis " " altered to Pneumonia.
In 1 case (Eur.) diagnosis " " altered to Rheumatism.
In 1 case (Eur.) diagnosis " " altered to Myalgia.
In 2 cases (Eur.) diagnosis " " altered to Acute Myositis.

OUT-OF-BOROUGH CASES.

In 1 case (Nat.) diagnosis Measles altered to Typhoid Fever.
In 1 case (Eur.) diagnosis Measles altered to Pharyngitis and Sudaminal Rash.
In 1 case (Nat.) diagnosis " altered to Miliary T.B.
In 1 case (Eur.) diagnosis Scarlet Fever altered to Burns with secondary infection.
In 1 case (Nat.) diagnosis Diphtheria altered to Vincent's Angina.
In 1 case (Nat.) diagnosis " altered to Laryngeal Obstruction (non Diphtherit
In 1 case (Nat.) diagnosis " altered to Secondary Syphilis.
In 1 case (Nat.) diagnosis " altered to Nil Abnormal.
In 1 case (Nat.) diagnosis Meningitis altered to Tetanus.
In 1 case (Nat.) diagnosis " altered to Pneumococcal Meningitis.
In 4 cases (1 Eur., 3 Nat.) diagnosis Diphtheria altered to Tonsillitis.
In 1 case (Eur.) diagnosis Typhus Fever altered to Tick Bite Fever.
In 1 case (Nat.) diagnosis Mumps altered to Infective Parotitis.
In 4 cases (1 Eur., 3 Nat.) diagnosis Whooping Cough altered to Acute Bronchitis.
In 1 case (Nat.) diagnosis Whooping Cough altered to Pulmonary T.B.
In 1 case (Nat.) " " " " " Asthma.
In 1 case (Col.) " Chicken Pox " " Insect Bites.
In 4 cases (1 Eur., 3 Nat.) diagnosis Anterior Poliomyelitis altered to P.U.O.
In 1 case (Nat.) diagnosis Anterior Poliomyelitis altered to Spinal Tumour.
In 1 case (Nat.) diagnosis " " altered to T.B. Meningitis.
In 1 case (Nat.) diagnosis " " altered to Broncho Pneumonia.

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INFANT WELFARE

1. INFANT CLINICS.

	European	Native	Coloured	Asiatic
NEW CASES : Under 1 Year	413	243	113	213
Over 1 Year	13	9	8	4
OTHER ATTENDANCES.				
Under 1 Year	5830	2279	1077	2631
Over 1 Year	1019	813	493	904
TOTAL :	7275	3344	1691	3752
Number on Register	889	373	261	367
Average Attendance per person	8.2	9.0	6.5	10.2

2. HOME VISITS.

	European	Native	Coloured	Asiatic	Total
Ante-Natal	20	62	145	310	637
First Visits - (Notified births)	521	240	115	506	1382
Re-visits (under 1 year)	1014	1381	595	1266	4256
Re-visits (from 1 - 6 years)	552	768	1727	2214	5261
Infectious Disease (Non-T.B.)	193	47	23	70	333
Protected Infants	10	6	18	29	63
Pediculosis & Scabies Visits	-	2	45	1	48
Confinement Visits	-	265	-	-	265
Infantile Mortality Visits	9	48	5	16	78
Nursing Home Visits	4	-	-	-	4
Other Home Visits (Housing Investigations, etc.)	12	-	46	-	58
TOTAL :	2335	2819	2719	4412	12285

3. MILK DISTRIBUTED.

	European	Native	Coloured	Asiatic	Total
Fresh - Pints	4907	6706	4995	13,042	29,650
Dried - lbs.	0	157	37	74	268

FOODSTUFFS.

SAMPLES TAKEN AND SUBMITTED FOR ANALYSIS.

1. MILK.

Bacteriological Examination

Samples with less than 30,000 bacteria per c.c. :	35	(inc. 3 Pasteurised)
" " between 30,000 and 200,000 bacteria per c.c. :	17	(" 2 Pasteurised)
" " more than 200,000 bacteria per c.c. :	22	(" 2 Pasteurised)
TOTAL :	74	(Inc. 7 Pasteurised)

Samples with B. Coli present in 1/100 c.c. or less :	40	(inc. 2 Pasteurised)
" " B. Coli " in 1/10 but not in 1/100 c.c. :	18	(inc. 3 Pasteurised)
" " B. Coli absent in 1/10 c.c. or more :	16	(inc. 2 Pasteurised)
TOTAL :	74	(inc. 7 Pasteurised)

Chemical Examination (By Government Analyst)

Samples with Solids-Not-Fat 8.5% and over :	8
" " " " " over 8% & under 8.5% :	1
TOTAL :	9

Samples with Butter Fat over 3% :	9
" " " " under 3% :	0
TOTAL :	9

2. ICE CREAM.

Samples of Ice Cream conforming to Standard :	3
" " " " not " " " :	0
TOTAL :	3

3. SAUSAGE :

Samples of Sausage conforming to standard :	3
Samples " " not " " " :	0
TOTAL :	3

4. MEAT.

Samples of Mince Meat conforming to standard :	4
" " " " not " " " :	0
TOTAL :	4

FOODSTUFFS. Cont'd.

5. FRUIT.

Samples of Apples conforming to standard	:	5
" " " not " " "	:	0
TOTAL	:	5

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 Organisms in 100 c.c.	No. of Samples
0	253
1	39
2	6
TOTAL :	298

MUNICIPAL SWIMMING BATHS.

Probable No. of Organisms in 100 c.c.	No. of Samples
0	25

OTHER SWIMMING BATHS.

Probable No. of Organisms in 100 c.c.	No. of Samples
0	57
3	1
TOTAL :	58

OTHER SAMPLES TAKEN.

Probable No. of Organisms in 100 c.c.	No. of Samples
0	9
3	2
5	1
6	1
16	1
18	5
TOTAL :	19

FOODSTUFFS CONDEMNED AS UNFIT FOR HUMAN CONSUMPTION.

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

Apricots	29 tins, 1 box
Apricot Sweetmeats	2 packets
Asparagus	2 tins
Apples	98 cases, 1 tin
Apple Sauce	2 tins
Apple Rings	10 lbs.
Alka Seltzer Tablets	5 bottles
Beef (Luncheon)	2 tins
Beef (Corned)	10 tins
Beetroot	2 tins, 1 pocket
Beverages	1 Carton, 3 tins
Beans	84 tins, 1 bag, 87 pockets
Beans (dried)	1 packet
Buck Wheat Flour	2 packets
Bringal	49 pockets
Biscuits	18½ lbs.
Blancmange	1 packet
Baking Powder	2 tins
Cabbages	15 bags
Cornflour	1 lb.
Cauliflower	2 bags
Cream (condensed)	1 tin
Cucumber	1 pocket
Chicory	1 carton
Cocoa	24 pkts., 168 lbs.
Cereals, Breakfast	149 packets
Cheese	1 tin
Custard Powder	1 tin
Carrots	275 tins
Chutney	3 bottles
Cherries	4 tins
Cloves	49 lbs.
Colouring	1 bottle
Coffee Essence	3 bottles
Corn	1 pkt.
Corn, Sweet	1 tin
Eggs	90¾ doz.
Fowls (Dressed)	4
Fowls (Live)	8
Frankfurters	2 tins
Figs	45½ lbs.
Fish Paste	53 jars, 43 tins
Fruit Cakes	27 tins
Fish (Fresh)	676 lbs.
Fish (Tinned)	237 tins
Fruit Juices	1 bottle, 4 tins
Fruit	1 box
Fruit (tinned)	131 tins
Fruit (dried)	1 packet
Garlic	1 bag
Gherkins	37 bottles
Grapes	34 boxes
Gravy Powder	1 pkt., 1 tin
Ham	2 tins
Haddock	2 cases
Herrings	312 tins, 1 cask (114 lbs.)
Hops	8½ lbs.
Hares	8
Honey	1 bottle
Ice Cream Powder	2 pkts.
Infant Foods	8 bottles, 1 tin
Junket Powders	1 packet
Jam	72 tins
Lobster & Tomato Paste	1 tin
Lemons	3 pockets

/ Malt .....

FOODSTUFFS CONDEMNED AS UNFIT FOR HUMAN CONSUMPTION. Cont'd.

Malt	26 bags
Mangoes	16 trays
Melon (Sweet)	1 box
Medicines	12 bottles, 10 pkts., 40 tins.
Milk, dried	2 tins
Milk, condensed	42 tins
Milk, malted	40 bottles, 5 tins
Marrows	6 pockets
Mealie Meal	2 bags
Meat & Vegetables	21 tins
Meat (tinned)	14 tins
Meat Extract	17 bottles
Meat Paste	5 tins, 1 bottle
Mustard	2 bottles
Marmalade	5 tins
Naartjies	4 trays
Onions	2 bags, 8 bottles
Olives	13 bottles
Pears	104 pockets, 6 boxes
Peas	18 tins, 239 pockets
Peaches	21 boxes, 8 trays
Potatoes	405 pockets
Potatoes (Sweet)	1 bag
Paw-Paws	30 trays
Pickles	173 bottles
Pea Nut Butter	3 bottles
Puddings	5 tins
Raisins	4 packets
Sausages	7 tins, 53 lbs.
Sauerkraut	13 tins
Salt	1 bag
Sardines	71 tins
Salmon	29 tins
Sandwich Spread	1 bottle
Spaghetti	3 tins, 1 bottle
Snoek	1 tin, 909 lbs., 5 cases
Soups	19 tins
Sauce	2 bottles
Sponge Powder	1 pkt.
Sorrel	6 pockets
Spinach	1 tin
Sweets	3 pkts., 6 boxes
Syrup	1 tin, 1 bottle
Tea	12 cartons, 1 box, 79 pkts., 159½ lbs.
Tomatoes	1 tray
Tomato Sauce	4 bottles, 147 tins
" Ketchup	1 bottle
Unlabelled Packages	38 tins, 1 packet
Vitamite	2 tins
Vermicelli	36 packets
Vegetables (Assorted)	125 tins, 1 box
Watermelons	1,520
Watercress	4 trays
Pilchards	3 tins

ABATTOIR

1. ANIMALS SLAUGHTERED :

Cattle	:	11,513
Calves	:	3,244
Sheep	:	14,476
Pigs	:	3,254
Goats	:	252
TOTAL	:	32,739

2. ANIMALS EXAMINED AFTER SLAUGHTER IN OTHER ABATTOIRS :

Quarters Beef	:	7,633
Carcases Mutton	:	1,772
Carcases Pork	:	-
Carcases Veal	:	-
Carcases Goat	:	-

3. INCIDENCE OF CERTAIN DISEASES

	Carcases Examined	% Infected	Carcases Condemned	% Condemned
CATTLE - "Measles" (Cysticercus Bovis)	11,513	6.94%	97	0.84%
CALVES - "Measles" (Cysticercus Bovis)	3,244	4.68%	47	1.44%
PIGS - "Measles" (Cysticercus Cellulosae)	3,254	4.94%	132	4.06%
CATTLE - Tuberculosis	11,513	0.32%	24	0.21%
CALVES - Tuberculosis	3,244	-	-	-
PIGS - Tuberculosis	3,254	2.01%	2	0.06%

4. SUMMARY OF MEAT CONDEMNED :

	Carcases	Approx. Weight
BEEF	222	99,995 lbs.
BEEF : Portions of Carcases, Organs, etc.	-	134,840 lbs.
VEAL	164	6,550 lbs.
VEAL : Portions of Carcases, Organs, etc.	-	275 lbs.
PORK	161	17,770 lbs.
PORK : Organs, etc.	-	3,795 lbs.
MUTTON	24	685 lbs.
MUTTON : Organs, etc.	-	11,680 lbs.
GOAT	6	160 lbs.
		275,750 lbs.

ABATTOIR. Cont'd.

MEAT CONDEMNED (Approximate Weight)

Statement of Carcases and Meat found to be affected with disease and unfit for human consumption : 1.7.47 - 30.6.48.

	BOVINES			PIGS			SHEEP AND GOATS		
	Condemned			Condemned			Condemned		
	Carcases Infected	Whole Carcases	Portions of Carcases Approx. Weight (lbs.)	Carcases Infected	Whole Carcases	Portions of Carcases Approx. Weight (lbs.)	Carcases Infected	Whole Carcases	Portions of Carcases Approx. Weight (lbs.)
Actinomycosis	74	-	2,765	-	-	-	-	-	-
Anthrax	-	-	-	-	-	-	-	-	-
Measles (Veal)	152	47	200	-	-	-	-	-	-
" (Beef)	800	97	104,750	161	132	50	-	-	-
Lumpy Skin Disease (Veal)	1	1	-	-	-	-	-	-	-
Lumpy Skin Disease (Beef)	23	23	-	-	-	-	-	-	-
Lymphadenitis	-	-	-	-	-	-	4	4	-
Malignant Tumours	11	11	-	-	-	-	-	-	-
Mammitis	2	2	-	-	-	-	-	-	-
Metritis	1	1	-	-	-	-	-	-	-
Melanosis (Veal)	1	1	-	-	-	-	-	-	-
Pneumonia - Veal	12	12	-	-	-	-	-	-	-
" - Beef.	6	6	-	-	-	-	4	4	-
Pyaemia - Veal	21	21	-	-	-	-	-	-	-
" - Beef	5	5	-	1	1	-	1	1	-
Sarcocysts	1	1	-	15	15	-	-	-	-
Septicaemia (Veal)	2	2	-	-	-	-	-	-	-
" (Beef)	4	4	-	1	1	-	-	-	-
Tuberculosis	81	24	2,040	93	2	1,120	-	-	-
Nephritis (Veal)	2	2	-	-	-	-	-	-	-
Bruising (Beef)	13	13	8,135	5	5	225	2	2	80
Decomposition	-	-	4,040	-	-	-	-	-	-
Fevered (Beef)	1	1	-	3	3	-	2	2	-
Gall Sickness (Veal)	1	1	-	-	-	-	-	-	-
" " (Beef)	1	1	-	-	-	-	-	-	-
Emac. & Oedema (Veal)	3	3	-	-	-	-	-	-	-
(Beef)	30	30	-	1	1	-	5	5	-
Emaciation (Veal)	50	50	-	-	-	-	10	10	-
Immaturity (Veal)	19	19	-	-	-	-	-	-	-
Jaundice (Veal)	5	5	-	-	-	-	-	-	-
" (Beef)	3	3	-	1	1	-	2	2	-
Stilesia Hepatica, Fluke, Abscesses, O. Columbianum, etc. (Beef)	-	-	134,840	-	-	2,400	-	-	11,630
" (Veal)	-	-	75	-	-	-	-	-	-

LICENCE APPLICATIONS

(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
Applications received	124	21	-	29	35	-	10	273	1	35	6	107	162
Applications Approved without conditions	89	10	-	18	20	-	3	254	1	23	5	106	128
Applications approved subject to conditions since carried out	31	9	-	9	12	-	7	18	-	10	1	1	31
Applications withdrawn	-	-	-	-	-	-	-	-	-	-	-	-	-
Applications in abeyance	-	-	-	-	-	-	-	-	-	-	-	-	-
Applications not in order	4	2	-	2	3	-	-	1	-	2	-	-	3

KEY TO ABOVE TABLE :-

1. General Dealers.
2. Aerated Water Manufacturers & Dealers.
3. Butchers.
4. Boarding Houses.
5. Eating & Refreshment Rooms.
6. Bakers.
7. Hairdressers.
8. Hawkers & Pedlars.
9. Laundries.
10. Produce Dealers.
11. Places of Entertainment.
12. Milk Purveyors.
13. Others.

(Owing to alterations in the Municipal Licences Ordinance)
(No. 19/1942 and in the Municipal Trade Licence By-Laws,)
(the routine renewal of all trade licences is no longer)
(submitted to this Department by the Licensing Officer.)

(2) Applications dealt with under Urban Areas Act.

Applications Received 11

Applications Returned "Not in Order" 1

Applications Approved Subject to Conditions 5

Applications Approved for Temporary Licence 5

SANITATION

Total of Inspections (General) Carried Out	8,746
Total of Rodent Inspections	512
Total of Notices and Letters served re Contravention of By-Laws	2,152

INSPECTION (GENERAL) GIVEN IN DETAIL 1.7.47 to 30.6.48.

1. Public Markets	318
2. Butchers' Shops	69
3. Dealers and General Dealers (Food)	358
4. Dealers and General Dealers (No food)	32
5. Fish and Poultry Shops	15
6. Bakers' Shops (without Bakehouse)	2
7. Bakehouses	10
8. Milkshops (Purveyors of Milk)	257
9. Ice Cream (Purveyors and Manufacturers of)	3
10. Tea Shops, Cafes, Restaurants and Eating Houses	134
11. Residential Hotels, Boarding Houses	63
12. Aerated Water Manufacturers	2
13. Other places where food is manufactured	2
14. Hawkers' Premises	4
15. Hawkers' Carts	1
16. Butchers' Carts and Carriers	2
17. Milk Delivery Carts	6
18. Bakers' Carts	1
19. Ice Cream Carts	0
20. Theatres and Bioscopes	5
21. Common Lodging Houses	34
22. Barracks	194
23. Other House Inspections	280
24. Hairdressers	31
25. Laundries	40
26. Factories and Workshops	7
27. Courts, Lanes and Alleys	13
28. Open Ground	53
29. Piggeries	7
30. Horse Stables	51
31. Dairy Stables & Dairies	1105
32. Cattle Dealers' Premises	45
33. Visits in connection with Infectious Diseases	508
34. Standing Water, Catchpits, re Mosquitoes, etc.	30
35. Undrained premises	55
36. Public Sanitary Conveniences	310
37. Refuse Tips	321
38. Other Visits	3895
39. Structural Defects in Premises	483
C/Forward :	8,746

anitation. Cont'd.

B/Forward ...	8,746
46. Rodent Inspections	512
47. Premises fumigated for Vermin	413
47a. Other visits in connection with fumigation	285
48. Disinfections	4
49. Disinfection of Bedding and Clothing	84
50. Other Rodent inspections by Health Inspectors	33
	1,331

REPORTS FOR TRANSMISSION TO OTHER MUNICIPAL DEPARTMENTS.

(1) City Engineer's Department

40. Stopped Drains	152	
41. Defective Water Fittings	100	
42. Other Defects	12	
43. Unauthorised structures	41	
44. Sites, etc., re plans	721	
		1,026

(2) Municipal Native Administration Department

45. Licence and Other Inspection of Premises under Urban Areas Act	135

(3) Licensing Department

51. Inspection of Premises re Licence Applications	702

(4) General

52. Other Transportation Trips	2,089
TOTAL :	14,029

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PROSECUTIONS : 1947 - 1948.

Total Number of Prosecutions instituted :		41
Under Public Health By-Laws	29	
" By-Laws relating to Preparation, Storage & Sale of Foodstuffs ..	2	
" Dairy By-Laws	4	
" V.D. Hospital Regulations	6	
" Food, Drugs and Disinfectant Act ..	0	
TOTAL :	41	

Total No. in which accused found guilty and penalty imposed	17
Total No. found not guilty, acquitted, case withdrawn, or Prosecutor declined to prosecute	19
Total Pending	5
TOTAL :	41

CONDEMNED PREMISES

Rooms and Buildings Condemned and/or Demolished

(a)	Under Public Health By-Law No. 19(a) : (Closing Order) :	1
(b)	Under Public Health By-Law No. 19(b) : (Demolition Orders) :	16
	(In 8 premises condemnation proceedings were instituted,) (but the premises were not demolished by 30.6.48.)	
(c)	Under Slums Act :	0
(d)	Voluntary Demolitions :	
	Buildings	4
	TOTAL :	21

BUREAU OF HYGIENE
16 MAY 1949
& TROPICAL DISEASES