CITY OF PIETERMARITZBURG

ANNUAL REPORT

OF THE

MEDICAL OFFICER OF HEALTH

For the Year Ended
31st December, 1961

N.W. LTD. 849

CITY OF PIETERMARITZBURG

PUBLIC HEALTH DEPARTMENT

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REPORT OF THE MEDICAL OFFICER OF HEALTH ON THE PUBLIC HEALTH AND SANITARY CIRCUMSTANCES OF THE CITY OF PIETERMARITZBURG FOR THE YEAR ENDED 31st DECEMBER, 1961.

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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 calendar year 1961.

Infectious disease figures were substantially lower than last year and there were no major outbreaks of epidemic disease. Tuberculosis incidence was lower in all races, while Poliomyelitis incidence was again very low. Infantile Mortality worsened slightly in Bantu, but improved in all other races. The Death rate was practically unchanged in Europeans, but lower in all other races. Cardio-vascular deaths in Europeans were a lot higher than last year. Birth rates were lower in all races, other than the Asiatics.

Rabies was found in the dog population in Pietermaritzburg after the occurrence of the disease in other parts of Natal, and although a number of persons were bitten and had to receive vaccine, no human cases occurred.

411 Council houses were built for Asiatics at Northdale and 50 for Coloureds at Woodlands. The building of a new Administration Block and a Tripery at the Abattoir was completed during the year, the Abattoir again experiencing a full year of slaughtering.

Pietermaritzburg participated in the National "Oral Poliomyelitis Vaccination" Campaign about 77% of the eligible population under the age of 30 receiving the course of "polio sweet".

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, 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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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 ft.

TEMPERATURE AND RAINFALL:

	RAINFALL IN INCHES	ATMOSPHERIC TEMPERATURE Av. Daily Maximum °	Av. Daily Minimum °	Av. Daily Mean. °	RELATIVE HUMIDITY Average Daily
January	6.32	83.1	67.2	75.1	82.3%
February	4.94	83.3	65.6	74.4	83.1%
March	6.04	78.0	61.1	69.5	83.2%
April	5.34	72.9	59.2	66.0	85.0%
May	0.85	72.0	48.6	60.3	81.9%
June	0.24	71.5	44.3	57.9	81.6%
July	0.50	72.1	44.3	58.2	82.9%
August	0.70	71.4	42.1	56.7	76.2%
September	2.44	78.0	51.1	64.5	68.8%
October	1.47	78.2	53.9	66.0	65.7%
November	5.74	80.4	56.1	68.2	74.5%
December	4.23	80.2	60.2	70.2	73.3%
Total	38.81				

AREA OF MUNICIPALITY: 47,66741 sq. miles.

Value of Rateable Property: R74,441,880

Exempted Property: R26,581,400

MUNICIPAL RATE: General - Land - 3.05c. in Rand
Buildings - .95c. in Rand

Water - Land only: .3125c. in Rand on land only, plus 20c. per 1,000 gallons of water used.

Total Nett Maintenance Cost (Less Revenue) of Public Health Department for 1960/61 = R88,239, being 7% of the total nett maintenance cost of the City.

LEADING VITAL STATISTICS

YEAR ENDING 31st DECEMBER, 1961.

(Average Rate for period 1951 - 1956 in brackets for comparison).

	European	Bantu	Coloured	Asiatic
POPULATION (Estimated at December 31st, 1961).	39,600	28,260	4,783	22,300
IRTHS REGISTERED IRTH RATE (Per 1,000 Population)	762 19.2 (20.4)	687 24.3 (25.3)	191 39.9 (46.9)	827 37.1 (36.2)
LLEGITIMATE BIRTHS Percentage of total births)	7 0.9% (1.0%)	390 56.8% (47.9%)	27 14.1% (18.6%)	12 1.5% (1.3%)
EATHS RUDE DEATH RATE Corrected for outward transfer)	335 8.5 (8.9)	193 6.8 (9.1)	31 6.5 (10.1)	132 5.9 (6.8)
NFANTILE MORTALITY EATHS ATE (Per 1,000 Births)	9 11.8 (23.2)	74 107.7 (150.0)	4 20.9 (49.2)	34 41.1 (42.4)
EATHS in children from - 4 years (incl.) ATE (Per 1,000 Population)	2 0.05 (0.1)	26 0.9 (1.5)	2 0.4 (0.9)	12 0.5 (0.5)
ESPIRATORY TUBERCULOSIS ode No. 001 - 008. DEATHS ATE (Per 1,000 Population)	1 .025 (0.1)	6 0.2 (0.5)	2 0.4 (0.5)	1 0.05 (0.4)
UBERCULOSIS - OTHER FORMS ode Nos. 010 - 019. DEATHS ATE (Per 1,000 Population)	0 0 (0.01)	1 0.04 (0.14)	0 0 (0.06)	1 0.05 (0.1)
NTERIC FEVER ode No. 040 - 041. DEATHS ATE (Per 1,000 Population)	0 0 (0.01)	2 0.07 (0.04)	0 0 (0)	0 0 (0.02)
ALIGNANT AND OTHER NEOPLASMS ode Nos. 140 - 239. DEATHS ATE (Per 1,000 Population)	60 1.5 (1.3)	6 0.2 (0.2)	4 0.8 (0.8)	5 0.2 (0.3)
ISEASES OF THE CIRCULATORY SYSTEM ode Nos. 400 - 468. DEATHS ATE (Per 1,000 Population)	154 3.9 (3.4)	16 0.6 (0.8)	7 1.5 (1.9)	42 1.9 (1.6)
RONCHITIS AND PNEUMONIA ode Nos. 490 - 502. DEATHS ATE (Per 1,000 Population).	12 0.3 (0.5)	35 1.2 (1.3)	7 1.5 (0.9)	10 0.4 (0.8)

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

BIRTHS AND DEATHS ARE CORRECTED FOR OUTWARD TRANSFERS ONLY.

(1) VITAL STATISTICS:

POPULATION:

This is an estimate of the population as at December 31st, 1961, calculated for Vital Statistical purposes. This estimate is based on the Government Census of May 8th, 1951, and the Government Census of September 6th, 1960.

	European	Bantu	Coloured	Asiatic	All Non-Eur.	All Races
Male	19,120	17,420	2,359	11,340	31,119	50,239
Female	20,480	10,840	2,424	10,960	24,224	44,704
PERSONS	39,600	28,260	4,783	22,300	55,343	94,943

TOTAL BIRTHS REGISTERED

(A) RESIDENTS

	Male		Female		Persons			Percentage of Illeg. to all Births	Birth Rate per 1,000 Population
	Leg.	Illeg.	Leg.	Illeg.	Leg.	Illeg.	Total		
European	387	2	368	5	755	7	762	0.9%	19.2
Bantu	144	190	153	200	297	390	687	56.7%	24.3
Coloured	80	15	84	12	164	27	191	14.1%	39.9
Asiatic	396	6	419	6	815	12	827	1.5%	37.1
All Non-Eur.	620	211	656	218	1276	429	1705	25.2%	30.8
All Races	1007	213	1024	223	2031	436	2467	17.7%	26.0

(B) NON-RESIDENTS

	Male		Female		Persons			Percentage of Illeg. to all Births
	Leg.	Illeg.	Leg.	Illeg.	Leg.	Illeg.	Total	
European	156	3	132	0	288	3	291	1.0%
Bantu	0	0	0	0	0	0	0	0
Coloured	10	0	7	3	17	3	20	15%
Asiatic	26	0	14	0	40	0	40	0
All Non-Eur.	36	0	21	3	57	3	60	5%
All Races	192	3	153	3	345	6	351	1.7%

DEATHS

TOTAL DEATHS REGISTERED (RESIDENTS)

	Male		Female		Persons	
	Deaths	Rate per 1,000 Male Population	Deaths	Rate per 1,000 Female Population	Deaths	Death Rate (per 1,000 Population
European	184	9.6	151	7.4	335	8.5
Bantu	122	7.0	71	6.6	193	6.8
Coloured	16	6.8	15	6.2	31	6.5
Asiatic	71	6.3	61	5.6	132	5.9
ALL NON-EUR.	209	6.7	147	6.1	356	6.4
ALL RACES	393	7.8	298	6.6	691	7.3

DEATHS: (Pages 5 - 7).

Death rates were practically unchanged for Europeans, but were lower in all the Non-European races.

The death rate for all races was 7.3 as compared with 8.0 last year.

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

European	:	10.4%	(13.8% last year)
Bantu	:	69.9%	(73.3% last year)
Coloured	:	41.9%	(51.3% last year)
Asiatic	:	51.5%	(48.8% last year)
All Non-European	:	60.7%	(61.6% last year)

These figures once again show how much better the expectation of life is for Europeans than for Non-Europeans. The table on page 7 also indicates that Cardiac and Circulatory System disease far outweighs all other causes of death amongst Europeans and Asiatics, whilst Respiratory Diseases were the main cause of death in Bantu and Coloureds.

DEATHS AND DEATH RATES (PER 1,000 POPULATION) : VARIOUS CAUSES.
ABBREVIATED LIST (6th Decennial Revision of International List).
RESIDENTS ONLY

	European		Bantu		Coloured		Asiatic		All Non-Europeans		All Races	
B 1 Tuberculosis of Respiratory System	1	.03	6	0.2	2	0.4	1	0.05	9	0.16	10	0.1
B 2 Tuberculosis, other forms	0	0	1	0.04	0	0	2	0.09	3	0.05	3	0.03
B 3 Syphilis & Sequelae	0	0	0	0	0	0	0	0	0	0	0	0
B 4 Typhoid Fever	0	0	1	0.04	0	0	0	0	1	0.02	1	0.01
B 5 Cholera	0	0	0	0	0	0	0	0	0	0	0	0
B 6 Dysentery, all forms	0	0	2	0.07	0	0	0	0	2	0.04	2	0.02
B 7 Scarlet Fever & Strep. Sore Throat	0	0	0	0	0	0	0	0	0	0	0	0
B 8 Diphtheria	0	0	0	0	1	0.2	0	0	1	0.02	1	0.01
B 9 Whooping Cough	0	0	0	0	0	0	0	0	0	0	0	0
B10 Mengingococcal Infections	0	0	1	0.04	0	0	0	0	1	0.02	1	0.01
B11 Plague	0	0	0	0	0	0	0	0	0	0	0	0
B12 Acute Poliomyelitis	0	0	0	0	0	0	0	0	0	0	0	0
B13 Smallpox	0	0	0	0	0	0	0	0	0	0	0	0
B14 Measles	0	0	1	0.04	0	0	2	0.09	3	0.05	3	0.03
B15 Typhus and other rickettsial diseases	0	0	0	0	0	0	0	0	0	0	0	0
B16 Malaria	0	0	0	0	0	0	0	0	0	0	0	0
B17 Other inf. & parasit.dis.	1	.03	0	0	0	0	3	0.14	3	0.05	4	0.04
B18 Malignant Neoplasms	60	1.5	6	0.2	4	0.8	5	0.2	15	0.3	75	0.8
B19 Benign & unspec. Neophsms	0	0	0	0	0	0	0	0	0	0	0	0
B20 Diabetes Mellitus	4	0.1	1	0.04	0	0	1	0.05	2	0.04	6	0.06
B21 Anaemias	1	.03	0	0	0	0	0	0	0	0	1	0.01
B22 Vascr. lesions of C.N.S.	34	0.9	9	0.3	1	0.2	13	0.6	23	0.4	57	0.6
B23 Non Meningococcal Mgts.	0	0	1	0.04	0	0	1	0.05	2	0.04	2	0.02
B24 Rheumatic Fever	0	0	0	0	0	0	0	0	0	0	0	0
B25 Chronic Rheum. Heart dis.	0	0	2	0.07	0	0	0	0	2	0.04	2	0.02
B26 Arteriosclerotic and Degtve. heart disease	87	2.2	2	0.07	3	0.6	19	0.9	24	0.4	111	1.2
B27 Other diseases of heart	38	1.0	8	0.3	4	0.8	13	0.6	25	0.5	63	0.7
B28 Hypertension with heart disease	5	0.13	2	0.07	0	0	7	0.3	9	0.2	14	0.15
B29 Hypertension without mention of heart	0	0	0	0	0	0	0	0	0	0	0	0
B30 Influenza	0	0	0	0	0	0	0	0	0	0	0	0
B31 Pneumonia	11	0.28	31	1.1	5	1.0	8	0.4	44	0.8	55	0.6
B32 Bronchitis	1	.03	4	0.14	2	0.4	2	0.09	8	0.15	9	0.09
B33 Ulcer of Stomach & Duod.	2	.05	2	0.07	0	0	0	0	2	0.04	4	0.04
B34 Appendicitis	0	0	0	0	0	0	0	0	0	0	0	0
B35 Intestinal obstruction and hernia	4	0.1	0	0	0	0	0	0	0	0	4	0.04
B36 Gastritis, Enteritis, Exc. of newborn	3	0.08	29	1.03	1	0.2	9	0.4	39	0.7	42	0.44
B37 Cirrhosis of liver	2	0.05	1	0.04	0	0	0	0	1	0.02	3	0.03
B38 Nephritis & Nephrosis	4	0.1	3	0.1	0	0	2	0.09	5	0.09	9	0.09
B39 Hyperplasia of Prostate	1	.03	0	0	0	0	1	0.05	1	0.02	2	0.02
B40 Complicns. of pregnancy, childbirth & puerperium	0	0	1	0.04	0	0	1	0.05	2	0.04	2	0.02
B41 Congenital Malformns.	1	0.03	1	0.04	0	0	2	0.09	3	0.05	4	0.04
B42 Birth injuries, atelectasis, etc.	0	0	1	0.04	1	0.2	2	0.09	4	0.07	4	0.04
B43 Infections of newborn	0	0	0	0	0	0	0	0	0	0	0	0
B44 Other diseases of early infancy & immaturity	7	0.2	12	0.4	1	0.2	13	0.6	26	0.5	33	0.35
B45 Senility,without psychosis	8	0.2	0	0	0	0	0	0	0	0	8	0.08
B46 All other diseases	46	1.2	54	1.9	4	0.3	21	0.9	79	1.4	125	1.3
B47 Motor vehicle accidents	6	0.2	4	0.14	1	0.2	1	0.05	6	0.1	12	0.12
B48 All other accidents	6	0.2	7	0.25	1	0.2	1	0.05	9	0.16	15	0.15
B49 Suicide	2	0.05	0	0	0	0	2	0.09	2	0.04	4	0.04
B50 Homicide and war	0	0	3	0.1	0	0	0	0	3	0.05	3	0.03
TOTAL	335	8.5	193	6.8	31	6.5	132	5.9	356	6.4	691	7.3

SEASONAL OCCURRENCE OF DEATHS

	European			Bantu			Coloured			Asiatic			All Non-Eur.		
	M	F	P	M	F	P	M	F	P	M	F	P	M	F	P
January, 1961	9	20	29	20	12	32	3	1	4	6	6	12	29	19	48
February	9	8	17	16	5	21	1	0	1	2	3	5	19	8	27
March	10	13	23	3	2	5	1	2	3	2	8	10	6	12	18
April	15	13	28	15	11	26	2	0	2	9	7	16	26	18	44
May	29	13	42	7	6	13	2	2	4	7	6	13	16	14	30
June	26	17	43	11	7	18	3	3	6	5	5	10	19	15	34
July	22	9	31	5	4	9	0	1	1	6	6	12	11	11	22
August	12	16	28	9	3	12	0	1	1	6	5	11	15	9	24
September	10	11	21	8	6	14	1	3	4	4	5	9	13	14	27
October	17	11	28	10	4	14	1	0	1	12	3	15	23	7	30
November	10	12	22	13	8	21	1	1	2	2	4	6	16	13	29
December	15	8	23	5	3	8	1	1	2	10	3	13	16	7	23
TOTAL :	184	151	335	122	71	193	16	15	31	71	61	132	209	147	356

DEATHS OF RESIDENTS GIVEN IN AGE GROUPS

	European			Bantu			Coloured			Asiatic			All Non-Eur.		
	M	F	P	M	F	P	M	F	P	M	F	P	M	F	P
Under 1 year	6	3	9	39	35	74	1	3	4	15	19	34	55	57	112
1 - 2 years	0	0	0	14	10	24	1	0	1	6	3	9	21	13	34
2 - 4 years	2	0	2	0	2	2	0	1	1	1	2	3	1	5	6
5 - 14 years	3	0	3	5	3	8	0	1	1	2	1	3	7	5	12
15 - 24 years	7	1	8	4	4	8	0	0	0	1	1	2	5	5	10
25 - 34 years	7	0	7	6	2	8	1	2	3	2	1	3	9	5	14
35 - 44 years	3	3	6	8	3	11	3	0	3	5	9	14	16	12	28
TOTAL 0 - 44 years	28	7	35	76	59	135	6	7	13	32	36	68	114	102	216
45 - 54 years	16	6	22	17	4	21	3	1	4	5	4	9	25	9	34
55 - 64 years	33	24	57	13	4	17	4	2	6	10	8	18	27	14	41
65 - 74 years	41	40	81	10	3	13	3	3	6	8	12	20	21	18	39
75 and Over	66	74	140	6	1	7	0	2	2	16	1	17	22	4	26
TOTAL :	184	151	335	122	71	193	16	15	31	71	61	132	209	147	356

(1) Vital Statistics continued.

SUMMARY OF CAUSES OF DEATH

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

RESIDENTS ONLY

		European	Bantu	Coloured	Asiatic
01-009	Tuberculosis	1 : 0.3%	7 : 3.6%	2 : 6.5%	3 : 2.3%
20-039	Syphilis & other Venereal Diseases	0 : 0%	0 : 0%	0 : 0%	0 : 0%
40-064	Infectious disease of intestinal tract and other bacterial disease	1 : 0.3%	4 : 2.1%	1 : 3.2%	3 : 2.3%
80-096	Diseases attributable to Viruses	0 : 0%	1 : 0.5%	0 : 0%	2 : 1.5%
40-205	Malignant Neoplasms	60 : 17.9%	6 : 3.1%	4 : 12.9%	5 : 3.8%
50	Diabetes	4 : 1.2%	1 : 0.5%	0 : 0%	1 : 0.8%
30-334	Vascular lesions affecting C.N.S.	34 : 10.1%	9 : 4.7%	1 : 3.2%	13 : 9.8%
00-468	Cardiac Diseases and other diseases of Circulatory System	154 : 46.0%	16 : 8.3%	7 : 22.6%	42 : 31.8%
70-527	Respiratory Diseases (non-tuberculous)	17 : 5.1%	37 : 19.2%	8 : 25.8%	11 : 8.3%
3,571 572	Gastro-enteritis and Colitis (age 4 weeks and over)	3 : 0.9%	29 : 15.0%	1 : 3.2%	9 : 6.8%
30-587	Other diseases of Digestive System	11 : 3.3%	5 : 2.6%	0 : 0%	3 : 2.3%
90-594	Nephritis and Nephrosis	4 : 1.2%	3 : 1.6%	0 : 0%	2 : 1.5%
50-759	Congenital Malformations	1 : 0.3%	1 : 0.5%	0 : 0%	2 : 1.5%
50-776	Certain diseases of early infancy	7 : 2.1%	13 : 6.7%	2 : 6.5%	15 : 11.4%
30-795	Senility and ill defined diseases	18 : 5.4%	26 : 13.5%	2 : 6.5%	6 : 4.5%
0-999	Accidents, violence, poisoning	14 : 4.2%	14 : 7.3%	2 : 6.5%	4 : 3.0%
	Other causes	6 : 1.8%	21 : 10.9%	1 : 3.2%	11 : 8.3%
	TOTAL DEATHS :	335	193	31	132

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

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

	European	Bantu	Coloured	Asiatic	All Non-Eur.	All Races
Enteric Fever	2 (0.05)	6 (0.2)	1 (0.2)	1 (0.05)	8 (0.15)	10 (0.1)
Pulmonary Tuberculosis	4 (0.1)	80 (2.8)	3 (0.6)	23 (1.0)	106 (1.9)	110 (1.2)
Tuberculosis - Other forms	0	3 (0.1)	0	4 (0.2)	7 (0.1)	7 (0.07)
Scarlet Fever	37 (0.9)	0	0	0	0	37 (0.4)
Erysipelas	0	1 (0.04)	0	0	1 (0.02)	1 (0.01)
Puerperal Sepsis	0	0	0	3 (0.1)	3 (0.05)	3 (0.03)
Malaria	0	0	0	0	0	0
Diphtheria	8 (0.2)	2 (0.07)	1 (0.2)	3 (0.1)	6 (0.1)	14 (0.15)
Diphtheria Carriers	0	0	0	0	0	0
Cerebrospinal Fever	0	0	0	0	0	0
Anterior Poliomyelitis (Paralytic)	1 (0.025)	0	0	0	0	1 (0.01)
Anterior Poliomyelitis (Non-Paralytic)	0	0	0	0	0	0
Encephalitis	0	0	0	0	0	0
Leprosy	0	1 (0.04)	0	0	1 (0.02)	1 (0.01)
Opthalmia Neonatorum	0	1 (0.04)	0	0	1 (0.02)	1 (0.01)
Gonorrhoeal Ophthalmia	0	0	0	0	0	0
TOTAL :	52 (1.3)	94 (3.8)	5 (1.0)	34 (1.5)	133 (2.4)	185 (1.9)

(2) INFECTIOUS DISEASE

There were only 185 notifications of infectious disease as compared with 242 in 1960, a 24% improvement. (See page 9).

ISOLATION HOSPITAL (EUROPEAN INFECTIOUS DISEASE) (Page 55).

Altogether 106 patients were admitted during the year 1961, 86 Borough and 20 Out-of-Borough. Figures for previous years were:-

1960 : 156; 1959 : 202; 1958 : 184; 1957 : 180; 1956 : 243; 1955 : 147; 1954 : 117; July-December, 1953 : 90; 1951-1952 : 222; 1950-1951 : 204.

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

NON-EUROPEAN INFECTIOUS DISEASES HOSPITAL (Page 55).

Admissions during 1961 totalled 299, 84 Borough and 215 Out-of-Borough cases, a decrease on last year's total of 339. Admissions during previous years have been as follows:-

1960 : 339; 1959 : 384; 1958 : 400; 1957 : 381; 1956 : 414; 1955 : 331; 1954 : 256; July-December, 1953 : 130 : 1951-1952 : 223; 1950-1951 : 304.

AMBULANCE

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

1) Total number of cases removed : 4,768.

2) Infectious cases removed : 689.

LABORATORY WORK:

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

Swabs for Diphtheria Bacilli	133
Swabs for Haemolytic Streptococci	199
Smears, Swabs, Pus for Gonococcus, organisms, etc.	6
Cerebro-spinal Fluids	11
Blood (Vi, Sugar and other examinations)	0
Blood (Counts, Smears)	16
Cough Plates	0
Sputum and Pleural Fluids (T.B., organisms, sensitivity)	6
Stools (Parasites, T.B., S. Typhi, etc.)	9
Urines (Chemical, microscopic, diastatic index, S. Typhi, etc.)	8
Milk - for Bacterial Count	100
Milk - Phosphatase Test	248
	736

Laboratory work done by Municipal Bio-Chemist:

Milk - for Phosphatase Test	151
Drinking Water - for Bacteriological Count	521

Work ...../

LABORATORY WORK Cont'd.

Work done in Departmental Laboratory:-

No. of Mosquito larvae examined	:	413
No. of Mosquito adults examined	:	0
No. of Snails examined	:	359
No. of Physopsis identified	:	48

NOTIFIABLE INFECTIOUS DISEASE

(a) ANTHRAX. No cases notified.

(b) SMALLPOX. No cases were reported this year.

VACCINATION.

Every Bantu registering at the Municipal Pass Office is vaccinated when he is medically examined. (See page 24).

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

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

Successful Vaccinations (under 2)	155
Successful Vaccinations (over 2)	28
Insusceptible to Vaccination (under 2)	3
Insusceptible to Vaccination (over 2)	2
Exempted from Vaccination	0

The number of vaccinations carried out by this Department at its Clinics during this period was 4128 (Eur. 594; Bantu 1936; Col. 246; As. 1352).

(c) DIPHTHERIA.

The total number of cases notified in 1961 was 14 , as compared with 17 last year, and 1 Coloured child (not immunised) died from this disease.

The immunisation history in 14 known cases (confirmed by Virulence tests) admitted to our hospitals during 1961 was as follows:-

Immunised	Non-Immunised
Total cases : 4 (4 Eur.; 0 Non-Eur.)	Total cases : 33 (10 Eur.; 23 Non-Eur.)
Deaths : Nil (Eur. 0)	Deaths : 4 (0 Eur.; 4 Non-Eur.)

2,019 Immunisation courses against Diphtheria were completed at the Infant Clinic Sessions, a decrease on last year's figure of 2,322. (Eur. 601; Bantu 160; Col. 185; As. 984.)

Race	Pre-Inoculation Schick Tests	No. Positive	Post-Inoculation Schick Tests	No. Positive
European	13	8	4	-
Bantu	-	-	-	-
Coloured	-	-	-	-
Asiatic	-	-	-	-

The ...../

DIPHTHERIA Cont'd.

The following table gives the Total Births, the Notifications and Deaths from Diphtheria, and the number of Children Immunised by the Public Health Department since 1947:-

DIPHTHERIA

YEAR	EUROPEAN				BANTU				COLOURED				ASIATIC			
	Births	Immunised	Notifications	Deaths	Births	Immunised	Notifications	Deaths	Births	Immunised	Notifications	Deaths	Births	Immunised	Notifications	Deaths
,1947-June,1948	704	275	10	1	303	118	4	1	133	120	5	2	704	261	14	2
1948- " 1949	703	672	43	4	279	134	7	2	116	125	2	1	670	393	10	3
1949- " 1950	669	520	21	4	263	102	34	6	109	106	6	1	669	391	5	-
1950- " 1951	636	272	13	-	272	88	41	3	165	140	7	1	840	366	8	1
1951- " 1952	682	262	12	1	326	67	2	1	163	152	2	-	717	435	-	-
1952- " 1953	702	221	16	2	248	53	5	-	187	74	1	-	639	369	4	-
,1954-Dec.,1954	1019	660	14	-	914	154	8	2	265	252	-	-	1200	698	8	2
, - Dec., 1955	664	610	*17	1	1114	347	6	1	174	203	2	-	686	1333	9	1
- " 1956	685	398	°22	2	1101	257	6	1	170	156	1	-	790	632	2	-
- " 1957	701	371	19	1	874	123	-7	1	179	177	-	-	788	838	3	1
- " 1958	798	367	9	-	669	172	-11	5	217	143	°5	-	779	678	5	2
- " 1959	777	753	"26	3	630	258	2	2	206	265	-	-	837	978	5	2
- " 1960	753	596	°11	1	703	197	1	1	210	243	2	-	748	1296	3	-
- " 1961	762	601	8	-	687	160	2	-	191	185	1	1	827	984	3	-

* Includes 8 carriers
" Includes 6 carriers
° Includes 2 carriers
\- Includes 1 carrier

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

(d) SCARIET FEVER

37 Cases were notified as compared with 49 cases last year. The disease continued to be mild.

(e) CEREBRO-SPINAL MENINGITIS

No cases were notified during the year, as compared with 4 last year.

(f) ANTERIOR POLIOMYELITIS

Only 1 case (Eur.) was notified this year, as compared with 6 last year. There were no deaths amongst those cases. This case was paretic and had not been immunised.

"Salk" type vaccine was freely available and was possible to offer the vaccine to adults up to the age of 40 who applied to the Department. Oral vaccine was issued to persons between the ages of 3 months and 30 years. This vaccine contained Types I, II and III, and three issues were made as part of the State Health Department's campaign. Some "Salk" vaccine injections were given to complete courses already commenced in children.

Reactions to the vaccines were few in number and in no case became serious. During 1961 this Department administered the following Anti-Poliomyelitis inoculations:-

Oral ...../

(f) ANTERIOR POLIOMYELITIS Cont'd.

	Oral Vaccine	"Salk" Vaccine (injection)	Total
Europeans	57,304	191	57,495
Bantu	27,517	-	27,517
Coloureds	8,148	45	8,193
Asiatics	35,135	241	35,376
TOTAL	128,104	477	128,581

The following comparative table indicates the target aimed at and the percentage realisation in Pietermaritzburg in the 3 Rounds of the National Oral Poliomyelitis Vaccination Campaign in 1961.

	1st Round		2nd Round		3rd Round		Target Figures
	Total	% of target	Total	% of target	Total	% of target	(Estimated population eligible for vaccine)
Europeans	19,196	87½%	18,701	85%	19,968	91%	21,926
Bantu	2,962	41½%	1,937	27%	2,657	37%	7,160
Coloureds	3,012	92%	2,495	77%	2,641	81%	3,277
Asiatics	13,207	90½%	10,794	74%	10,780	74%	14,569
Total	38,377	82%	33,927	72%	36,046	77%	46,932

The objective of the National Campaign was to secure the establishment in the susceptible population of a non-virulent form of poliomyelitis virus which would produce immunity against the paralysis-producing forms of natural virus usually encountered in the population (the so-called "wild" viruses), and also to replace the "wild" virus in the population completely by the harmless virus. It is estimated that at least 90% of the susceptible population should be reached by the Campaign if this objective is to be secured. We did not, however, quite reach that target in Pietermaritzburg.

The annual incidence of Poliomyelitis in Pietermaritzburg is shown in the following table of notifications:-

1941 - 0;	1942 - 12;	1943 - 2;	1944 - 15;	1945 - 7;
1946 - 0;	1947 - 2;	1948 - 32;	1949 - 4;	1950 - 1;
1951 - 11;	1952 - 3;	1953 - 3;	1954 - 25;	1955 - 20;
1956 - 51;	1957 - 20;	1958 - 4;	1959 - 4;	1960 - 6;
1961 - 1.				

Poliomyelitis cases are treated in the Municipal Isolation Hospitals for a period of three weeks and then transferred to the Provincial Hospitals or to the Uplands Orthopaedic Home for further orthopaedic treatment when required.

(g) ENCEPHALITIS

No cases of Infective Encephalitis were notified. 1 Out-of-Borough case of Mumps Encephalitis was admitted to the Isolation Hospital.

(h) ENTERIC FEVER.

10 Cases were notified, 2 European, 6 Bantu, 1 Coloured and 1 Asiatic, as compared with 4 cases last year.

20 Persons .../

(h) ENTERIC FEVER. Cont'd.

20 Persons were immunised (15 European and 5 Bantu), contacts of patients suffering from Typhoid Fever. (See also page 21, section (11) Milk Supplies.) In addition, employees of the City Engineer's Department at the Sewerage Farm and their families and in the Water Section are immunised yearly. (7 Europeans, 115 Bantu, 3 Coloureds, 212 Asiatics).

(3) TUBERCULOSIS. (Pages 39-40).

Notifications of Pulmonary Tuberculosis totalled 110, a considerable drop from last year's total of 140, 4 of these being of Europeans. Notifications of Non-Pulmonary Tuberculosis totalled 7 (all Non-European), as compared with 5 last year.

63 Borough cases (46 Bantu, 4 Coloureds and 13 Asiatics) were admitted to our Non-European Infectious Diseases Hospital.

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

Grey's Hospital	:	Eur. 3.
King George V / Springfield Hospital	:	Eur. 6; Bantu 2; As. 1.
Edendale Non-European Hospital	:	Bantu 28; As. 7.
S.A.N.T.A. Doris Goodwin Centre	:	Bantu 17.
Lilleshall Convalescent Home	:	Eur. 2.
Other Hospitals	:	Eur. 1; Bantu 10; As. 1.

The Natal Anti-Tuberculosis Association rendered assistance to 48 families in Pietermaritzburg (41 Bantu, 5 Coloured and 2 Asiatic).

The following tables illustrate the trend in notifications and deaths from this disease over the period 1935 - 1961:-

PULMONARY TUBERCULOSIS

	NOTIFICATIONS						DEATHS					
	Eur.	Bantu	Col.	As.	All Non-Eur.	Total	Eur.	Bantu	Col.	As.	All Non-Eur.	Total
July,1935-June,1936	17	38	15	32	85	102	2	14	3	12	29	31
" 1936- " 1937	8	40	8	20	68	76	4	18	7	17	42	46
" 1937- " 1938	17	40	15	14	69	86	7	29	7	7	43	50
" 1938- " 1939	15	40	15	10	65	80	5	19	6	8	33	38
" 1939- " 1940	7	23	7	17	47	54	4	15	7	9	31	35
" 1940- " 1941	7	13	11	7	31	38	3	19	1	6	29	32
" 1941- " 1942	8	22	6	18	46	54	5	9	1	15	25	30
" 1942- " 1943	8	29	2	27	58	66	5	13	2	16	31	36
" 1943- " 1944	5	23	3	24	50	55	3	14	4	14	32	35
" 1944- " 1945	13	52	5	30	87	100	3	14	4	11	29	32
" 1945- " 1946	12	60	10	24	94	106	10	24	6	12	42	52
" 1946- " 1947	10	51	13	25	89	99	11	31	6	11	48	59
" 1947- " 1948	*23	49	9	32	90	113	9	23	4	18	45	54
" 1948- " 1949	18	68	8	22	98	116	8	44	4	11	59	67
" 1949- " 1950	17	62	9	17	88	105	3	27	3	10	40	43
" 1950- " 1951	18	58	9	38	105	123	2	20	3	9	32	34
" 1951- " 1952	17	64	15	33	112	129	1	30	6	13	49	50
" 1952- " 1953	18	65	21	46	132	150	3	11	5	3	19	22
Jan.,1954-Dec.,1954	20	44	5	12	61	81	3	6	2	5	13	16
Jan., -Dec.,1955	14	75	9	31	115	129	0	11	2	2	15	15
" - " 1956	8	86	14	11	11	119	0	3	0	4	7	7
" - " 1957	11	84	11	23	118	129	2	14	1	2	17	19
" - " 1958	13	83	10	24	117	130	2	11	0	8	19	21
" - " 1959	9	97	6	21	124	133	1	9	0	2	11	12
" - " 1960	8	92	10	30	132	140	0	10	0	2	12	12
" - " 1961	4	80	3	23	106	110	1	6	2	1	9	10

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

NON-PULMONARY TUBERCULOSIS ..../

(3) TUBERCULOSIS Cont'd.

NON-PULMONARY TUBERCULOSIS

	NOTIFICATIONS						DEATHS					
	Eur.	Bantu	Col.	As.	All Non Eur.	Total	Eur.	Bantu	Col.	As.	All Non-Eur.	Total
July,1935-June,1936	3	3	1	6	10	13	1	2	0	2	4	5
" 1936- " 1937	2	8	0	5	13	15	1	4	0	3	7	8
" 1937- " 1938	5	10	3	6	19	24	3	1	2	3	6	9
" 1938- " 1939	1	3	0	3	6	7	0	2	0	2	4	4
" 1939- " 1940	2	3	1	3	7	9	1	2	1	0	3	4
" 1940- " 1941	3	2	P	3	5	8	2	1	0	0	1	3
" 1941- " 1942	2	7	2	7	16	18	1	3	1	3	7	8
" 1942- " 1943	1	3	4	2	9	10	1	1	1	3	5	6
" 1943- " 1944	1	4	0	3	7	8	0	5	1	3	9	9
" 1944- " 1945	2	6	1	8	15	17	0	3	2	5	10	10
" 1945- " 1946	1	5	3	3	11	12	1	4	1	3	8	9
" 1946- " 1947	1	8	3	2	13	14	0	11	3	3	17	17
" 1947- " 1948	*5	9	1	4	14	19	1	8	1	2	11	12
" 1948- " 1949	0	7	0	7	14	14	1	7	1	2	10	11
" 1949- " 1950	0	12	2	10	24	24	1	3	1	2	6	7
" 1950- " 1951	1	10	3	12	25	26	0	6	1	2	9	9
" 1951- " 1952	0	7	1	9	17	17	1	2	0	1	3	4
" 1952- " 1953	1	6	0	4	10	11	0	7	1	1	9	9
Jan.,1954-Dec.,1954	1	7	0	5	12	13	0	2	0	3	5	5
Jan. -Dec.,1955	1	4	1	3	8	9	1	3	0	0	3	4
" - " 1956	0	1	0	1	2	2	1	0	0	0	0	1
" - " 1957	4	2	1	1	4	8	0	2	1	1	4	4
" - " 1958	1	4	1	2	7	8	0	4	0	1	5	5
" - " 1959	0	3	1	3	7	7	1	3	0	1	4	5
" - " 1960	0	1	2	2	5	5	0	4	0	0	4	4
" - " 1961	0	3	0	4	7	7	0	1	0	1	2	2

* Includes 1 case also notified as Pulmonary Tuberculosis.

There was a definite improvement in the notifications of this disease in all races this year. The total of deaths was slightly less than last year. Approximately 26% of the total expenditure by this Department was under the head "Anti-Tuberculosis Measures".

MINIATURE MASS RADIOGRAPHY.

In 1954 the City Council installed a 70 mm. Miniature X-Ray set (a fixed unit) in the Public Health Department.

The following table indicates the type of patient coming to or being referred to the unit for a miniature X-Ray :- (See page 46 for detailed breakdown of these figures).

	European	N-European	Total
Referred ex Bantu Pass Office med. exam.	-	14,509	14,509
Referred for Pre-employment X-Ray	120	425	545
Referred by Employers	237	1,085	1,322
Referred by Doctors	186	961	1,147
Referred by Health Visitor	119	470	589
Applied Voluntarily for Miniature X-Ray	423	402	825
Follow-up X-Rays of cases attending Municipal Clinics or in T.B. or other Hospitals	62	956	1,018
Total Persons X-Rayed	1,147	18,808	19,955

The /

(3) TUBERCULOSIS Cont'd.

The final results of investigations carried out on cases suspected to be suffering from Pulmonary Tuberculosis as a result of the Miniature X-Ray revealed the following:-

	European	Non-European	Total
Active cases of Pulmonary T.B.	3	123	126
Arrested cases of Pulmonary T.B.	4	48	42

With the Miniature X-Ray plant available, contact examination at the T.B. Clinic has been reduced considerably, as a routine Miniature X-Ray of all contacts is now taken and only when abnormalities are noted are the contacts referred for closer investigation at the Clinic. Routine follow-up X-Rays of T.B. Patients at the Clinics and our hospitals are to a large extent being done by this Miniature plant with an occasional large plate for confirmation.

All Bantu passing through the Municipal Registration Medical Examination have a Miniature X-Ray as a routine. This year's figures show that 196 out of a total of 14,309 Bantu (i.e. 13.5% were referred from the Pass Office for further investigation at the T.B. Clinic).

THE TUBERCULOSIS CLINIC (Page 45).

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

During the year there were 2,632 attendances at the Clinic (including 1,200 Out-of-Borough cases), as compared with last year's total of 2,279. All contacts are now referred first of all to the Miniature X-Ray Clinic or Mantoux tested in the case of children and only brought to clinic if found to be abnormal, whilst patients for Streptomycin injections only occasionally attend the clinic sessions as well, being supervised from the Streptomycin Clinic.

An increasing number of notifications of infants under the age of 2 has been noted and most of these cases came from the Bantu Womens' Hostel in the City and from the Sobantu Village.

NOTIFICATION OF INFANTS WITH PRIMARY TUBERCULOSIS:-

	European	Bantu	Coloured	Asiatic
1957	3	18	-	-
1958	-	19	2	3
1959	-	16	-	2
1960	1	8	-	3

B.C.G. immunisation of these infants appeared to be the most practical method of providing protection and was commenced at the Sobantu Village during the year on newly born infants, infants up to the age of 2 who attended our Infant Welfare Clinics, and on contact cases. All Tuberculin tests are now carried out by the "Heaf Gun" method and read after 7 days.

'Heaf' Tuberculin Tests (Bantu)		B.C.G. inoculation (Hypodermic method) (Bantu)	'Heaf' Tuberculin tests following B.C.G. administration (Bantu)	
Positive	29	191	Positive	52
Negative	164		Negative	21
Doubtful	3		Doubtful	-
Not Read	40		Not Read	11
Total	236		Total	74

Out-patient ...../

THE TUBERCULOSIS CLINIC Cont'd.

Out-patient continuation treatment with injections of Streptomycin and/or Oral I.N.H. and/or P.A.S. has been used for patients discharged from hospital. Patients for whom no bed can be found in hospital are also started on treatment until beds become available, and some cases are maintained on Out-Patient treatment alone.

During the year 11 European, 69 Bantu , 12 Coloured and 26 Asiatic patients received regular Streptomycin injections at the 4 special clinic sessions (2 in town and 2 at the Sobantu Village) held per week for this purpose. (See page 45). 3 European patients were given Streptomycin at home. One Bantu patient received his injections at his place of employment.

2,984 Visits were made to tuberculotics and contacts in their homes, (Borough cases only), as compared with last year's total of 3,104.

The following notified cases were on our Tuberculosis Register as at 31st December, 1961. (1960 figures in brackets for comparison):-

	Eur.	Bantu	Col.	As.	All N-Eur.	Total
Pul. T.B.	122 (118)	672 (591)	82 (80)	267 (238)	909 (776)	1027 (885)
N-Pul. T.B.	7 (7)	24 (24)	9 (8)	35 (34)	66 (60)	73 (67)

The Pietermaritzburg Tuberculosis Hospital : (Non-European only).

Admissions totalled 128, 63 Borough cases (46 Bantu, 4 Coloured and 13 Asiatic) and 65 Out-of-Borough cases (56 Bantu, 6 Coloured and 3 Asiatic), as compared with 61 Borough and 59 Out-of-Borough cases last year.

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

(4) VENEREAL DISEASE (Pages 50-54).

(a), (b) and (c) One Clinic Session is held weekly for each race and sex, conducted by the Assistant Medical Officers of Health. These Clinics are held in the Public Health Department for Europeans and at the Municipal Clinic in East Street for Non-Europeans. Separate Clinic Sessions are held for European Males, European Females and Bantu Females. A combined session is held for Coloured and Asiatic Females, and a combined session is held for Coloured, Asiatic and Bantu Males. One European Health Visitor (half-time only), 1 Bantu Nurse, and 2 Bantu Health Assistants, assist at the Clinics. Two Bantu Health Assistants devote their full time to Venereal Diseases.

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

(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:-

Europeans ...../

VENEREAL DISEASE Cont'd.

	European		Bantu		Coloured		Asiatic	
	No. of Tests	% Positive	No. of Tests	% Positive	No. of Tests	% Positive	No. of Tests	% Positive
y, 1951 - June, 1952	58	0	5,019	13.6%	279	5.7%	862	3.2%
1952 - " 1953	164	1.8%	5,556	10.5%	201	1.0%	872	2.8%
1953 - Dec., 1954	81	1.2%	922	11.6%	95	2.1%	840	4.3%
., 1955 - " 1955	221	1.4%	-	-	230	7%	1,065	2.2%
1956 - " 1956	289	-	-	-	267	3.7%	1,073	1.8%
1957 - " 1957	298	1.4%	-	-	245	6.1%	1,125	2.1%
1958 - " 1958	300	1.3%	-	-	304	5.6%	1,207	2.3%
1959 - " 1959	291	2.8%	-	-	156	9.6%	725	5%
1960 - " 1960	346	5.8%	-	-	286	9.1%	1,111	4.8%
1961 - " 1961	376	1.9%	-	-	325	18.8%	1,343	8.2%

(Positives include screen positives.)

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

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

No. of Tests : 139 WRs. Positive : 21 (15.1%)

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

	EUROPEAN				BANTU				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
51-52	5.0	2.5	1	1	5.5	5.6	3.0	3.6	3.8	7.4	1	2.3	3.0	5.4	2.5	1.9
52-53	2.5	2.9	0	0	4.4	4.8	2.4	3.7	4.0	5.8	-	2.6	3.4	5.4	1.2	6.5
54	2.1	-	0.3	-	3.8	3.6	2.8	2.6	3.8	2.2	-	10.2	3.0	2.4	-	9.3
55	2.1	5	0	0	3.1	3.9	2	2.3	3.3	4.3	1.3	4.7	2.7	1.1	1	3.5
56	2.5	3.3	0	0	3.7	4.4	2	2.6	3.7	4.4	1	2.7	2.3	2.6	-	-
57	3.5	8.5	0	0	3.8	4.2	2.3	2.4	1.7	4.0	1	4	3.0	5.0	1	4.4
58	2.3	4.1	0	0	3.2	4.7	2.5	2.6	2.5	6.0	1.1	3.8	2.7	4.7	-	1.6
59	2.3	3.4	0	0	3.0	4.0	1.7	2.7	1.9	3.4	1	1	2.1	4.7	1	3.5
60	3.8	3.0	0	2	2.8	3.4	1.3	1.8	1.8	4.0	1.8	1.8	3.1	2.9	2	2.6
61	5.2	4.2	0	1	3.1	3.5	1.3	2.7	1.9	4.6	1	2.3	1.6	4.1	1	2.4

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

(g) There was an increase in Clinic Attendances for 1961, there being 3,767 attendances during the year, as compared with last year's total of 2,704. 1,081 Home Visits were paid to cases of Venereal Disease during the year as compared with 1960 total of 464.

EPIDEMIC HOSPITAL (Non-European V.D.)

Admissions to this hospital totalled 544, an increase on last year's total of 456, but indicating the decrease in this disease that has been taking place in recent years, e.g. 1,312 in 1951-2, 561 in 1954, and 358 in 1955. The daily average of in-patients totalled 7, as compared with 8 in 1959, and 20 in 1954.

The ...../

VENEREAL DISEASE Cont'd.

The re-admissions for this period numbered 44, i.e. 8.1% of admissions as compared with 9%, 5.7%, 13.8% and 9.3% the preceding five years. An analysis of patients' reasons for re-admissions and for failure to continue treatment, is given in the following table:-

	Male	Female	Total
1) No reason given for failure to continue treatment	5	3	8
2) Patients thought themselves cured after only a few follow-up injections	7	3	10
3) Irregular follow-up treatment only	0	2	2
4) Patients stated no facilities for further treatment available near their homes	0	0	0
5) Patients unable to pay transport to obtain treatment	0	0	0
6) Patients unable to pay doctor for further treatment	0	0	0
7) Patients stated employers would not allow them to attend for further treatment or that could not leave work	0	0	0
8) Patients re-admitted suffering from forms of V.D. other than that originally admitted for	14	6	20
9) Relapsed though attended clinic fairly regularly	1	0	1
10) Reinfected after discharge	0	0	0
11) Gaoled and received no further treatment	0	0	0

(5) PLAGUE.

No cases of Plague occurred during the year. Regular inspecting of new shops and warehouses in the course of erection has been carried out and their rodent-proofing has been supervised. No rodent work has been carried out on commonage, but the rodent-proofing of existing infested premises has been dealt with intensively. A single Departmental Rodent Officer devotes all his time to anti-rodent measures, rodent-proofing, trapping and poisoning (with Zinc Phosphide and also with Warfarin - Pyralil Liquid Rodenticide). Cyanogas pumping is also employed.

There are 3 Grain Stores in the City; all are now rodent-proofed. There are 3 mills in the City. Rodent-proofing measures were supervised in one - a new one in the course of erection.

Trapping operations by Rodent Inspector: 18. Rodents trapped 126
Poisoning " " " " : 245. Rodents Poisoned:
(Bodies recovered) 59
(Amount of Poison meal used) 110 lbs.
Gassing operations by Rodent Inspector : 14. Bodies recovered 37
12 Dwellings completed rodent-proofing - 29 inspected.
66 Business premises, hotels, shops and stores rodent-proofed - 226 inspected.
Stables - 4 inspected; 1 rodent-proofed.

New buildings in course of erection supervised for rodent-proofing : 16.
Vacant Land gassed : 2.
Premises inspected prior to demolition : 19.
Premises gassed prior to demolition : 3.
Premises poisoned prior to demolition : 4.

(6) RABIES: ...../

(6) RABIES.

Rabies was reported in dogs in Pietermaritzburg,following the occurrence of the disease in other parts of Natal. 10 Dogs in Pietermaritzburg were reported as Biologically positive by the end of the year. No report of the occurrence of Rabies can be traced in Pietermaritzburg as far back as 1907.

Restrictions on the movement of dogs in and out of the area and on the control of unleashed dogs in the City were imposed by the State Veterinary Department, when the whole of Natal was declared a rabies area. Dog bites were reported regularly to this Department and to the Veterinary Department, and arrangements were made for persons bitten to receive Anti-Rabic Vaccine (Simple type) in hospital where there was any suspicion of Rabies. 7 Europeans, 3 Bantu and 1 Asiatic were treated in this way, without any untoward reactions. Mass immunisation of dogs with Anti-Rabic Vaccine was organised by the State Veterinary Department. A positive case was also reported in a cat (bitten by a rabid dog), but no vaccine suitable for cats was available. Subsequently "duck egg" type Vaccine was made available by the State Health Department for the inoculations of persons especially exposed to danger, e.g. Veterinary surgeons, etc.

A regular follow-up of dogs reported to have bitten human beings was organised by this Department, as well as the State Veterinary Department. Such dogs were confined to their owners homes and watched for 10 days, and if still well at the end of that period, were removed from the Suspect list.

No human cases of Rabies have occurred in Pietermaritzburg. Press campaign kept the public informed of the danger of bites, methods of first aid treatment, the need to control,dogs, of the need for expert medical treatment, and to report the bites.

7) OTHER COMMUNICABLE DISEASES:

(I) MALARIA

Control by spotting of larvae and spraying of selected breeding spots has again been carried out in the Borough. No malarial mosquito vectors were discovered inside the Borough and no new infections of malaria occurred within the Borough. No imported cases of malaria were notified.

Permanent work on the 'Malarial' drains was continued in the off season.

Spraying was carried out to keep down the Anopheline population in known breeding areas and to deal with Culicine breeding which was causing a nuisance, D.D.T. suspension being used with satisfactory results.

(II) BILHARZIA

Regular surveys were carried out for the identification of snails. Copper Sulphate was used for the treatment of streams where Physopsis Africana were identified with a resultant rapid and considerable reduction in the number of snails found, treatment being repeated at 2 monthly intervals. No cases of Bilharzia were reported this year.

Snails examined	:	359
Physopsis Africana identified	:	48

Warning notice boards have been erected at the various spots used as bathing spots.

(III) ENTERITIS in infants under the age of one year accounted for 29 deaths, (23 Bantu and 6 Indian), as compared with 21 last year.

(IV) MUMPS

This disease was only moderately prevalent in both European and Non-European children during the year, 18 cases being admitted to the Isolation Hospitals. Complicating Encephalitis was seen in 1 Out-of-Borough case admitted to the Isolation Hospital.

(V) MEASLES .../

(V) MEASLES

This disease was only moderately prevalent in school children this year, 9 European and 5 Non-European Borough cases being admitted to the Isolation Hospitals. 1 Bantu and 2 Asiatic deaths from this disease were recorded.

(VI) GERMAN MEASLES was only moderately prevalent this year.

(VII) CHICKEN POX

This disease was moderately prevalent, 23 European and 3 Non-European cases being admitted to the Isolation Hospitals.

(VIII) WHOOPING COUGH

This disease was not very prevalent during the year, and no deaths were reported. Immunisation was carried out at the Infant Welfare Clinics, using a combined Whooping Cough and Diphtheria Vaccine. (See page 23). 7 Non-European cases were admitted to our Infectious Diseases Hospitals from outside the City, and 5 European and 1 Bantu cases were admitted from the City area.

(8) 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 Aluminium Sulphate before filtration. After filtration the water is sterilised with Chloramine before being distributed to the nine storage 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 and immunised against Typhoid Fever at the same time. No water-borne outbreaks of disease have occurred during the year. Regular bacteriological sampling of swimming bath waters has also been carried out throughout the year, and samples of well and tank waters have also been examined. It has been found that the Pietermaritzburg water supply contains no fluorine.

The total storage capacity of the Henley Dam is 1,420 million gallons providing an assured daily yield of 8 million gallons. The present consumption in Pietermaritzburg is approximately 5.5 million gals per day.

(9) NIGHTSOIL AND DISPOSAL

The administration of this work is in the hands of the City Engineer. The greater part of the Town and Suburbs is served by water-borne sewerage, although the conservancy system is still in use in certain outlying areas. Disposal is on the sewerage farm about 3 miles from the centre of the Town. The City Council acquired adjoining land, in order to extend the area available for sewerage disposal, and a modern filtration plant was completed in 1956.

(10) MEAT SUPPLIES (See pages 63-65).

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. 189 Inspections of Butchers' shops and 4 inspections of Butchers' carts were made by the Department's Health Inspectors. A list of meat, fish and fowl condemned after inspection is shown on pages 60-62.

The Abattoir Manager reports that during the year 93,169 animals were slaughtered, a small decrease on the 1960 total of 94,652. Slaughtering at the Abattoir is carried out by this Department.

All blood and condemned meat and offal is transported in drums to a privately owned By-Product Plant at Bisley, just outside of Pietermaritzburg.

The ...../

(10) MEAT SUPPLIES Cont'd.

The City Council has decided not to continue with its plans for its own By-Products Plant.

The new administration block providing change rooms for the European Staff and offices for the Abattoir Staff, the Meat Board Staff, the Graders and the Agents and a new Tripery block with chilling facilities were completed during the year, this now completing the Council's Abattoir Expansion Scheme. Health Inspectors from the Department have had to help out by carrying out Meat Inspection duties at the Abattoir owing to absence of Abattoir Staff. A qualified European Slaughterman supervises the work of the Bantu Slaughter Gang.

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

CYSTICERCUS BOVIS AND CELLULOSAE ("MEASLES").

The following table shows the number of carcases infected with "Measles" during the last 10 years:-

	CATTLE			CALVES			PIGS		
	Slaughtered	% Infected	% Condemned	Slaughtered	% Infected	% Condemned	Slaughtered	% Infected	% Condemned
1951-52	10,740	8.69	0.94	2,428	5.02	1.35	4,148	3.18	2.60
1952-53	11,438	7.03	0.62	2,345	4.64	1.02	2,470	1.65	1.21
1953-54	11,578	9.21	1.5	2,554	3.13	1.33	3,154	1.04	0.91
1954-55	99,271	9.35	1.4	1,643	3.59	1.82	3,385	1.35	1.21
1956	13,626	8.66	1.4	1,814	4.35	1.92	3,715	1.02	0.88
1957	13,217	7.23	0.98	1,990	4.02	1.7	4,050	0.83	0.69
1958	15,227	5.54	1.13	2,510	5.30	2.35	4,858	0.98	0.84
1959	16,627	8.68	1.11	2,767	3.25	1.55	5,280	1.79	1.60
1960	17,165	8.3	1.6	3,410	3.7	1.6	5,833	1.9	1.7
1961	17.265	7.1	1.3	3,267	2.4	1.25	5,986	0.6	0.5

(11) MILK SUPPLIES (Page 58)

The milk supply has been carefully controlled throughout the year. It was derived from 43 producer-distributors, 13 in the Borough, and 30 Out-of-Borough, and 82 producers, 2 Borough and 80 Out-of-Borough, who send their milk to two pasteurisation plants in the Borough, from where it is distributed after pasteurisation. All these dairymen are registered with this Department and their premises are inspected regularly. Approximately 75% of the milk sold in Pietermaritzburg was pasteurised.

There are 10 cream suppliers, of whom 5 are in the Borough and 5 outside the Borough.

During the year the routine Vi-testing of dairy employees was continued. Specimens, which are taken at the dairies or at the Health Department, are sent by pullman transport to the Durban Government Laboratory for examination, thus reaching laboratory the same day as taken.

474 Vi-tests were done on dairy employees, 1 was found positive and 3 were check retested, but finally not found to be positive. 252 Dairy personnel (236 Bantu, 7 Coloured and 9 Asiatics) were immunised against Typhoid Fever, 530 inoculations being given.

(12) OTHER FOODS SUPPLIES (Pages 58-62)

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 60-62). Condemned foodstuffs are removed to the refuse tips, made unusable, and disposed of by dumping.

Details ...../

(12) OTHER FOOD SUPPLIES (Cont'd.)

Details of all licence applications dealt with by the Department are reflected in the Table on page 66. Careful attention is paid to storage conditions, particularly to rodent-proofing, and there is a considerable improvement in this connection. 309 Inspections of the Borough Market and 3,775 inspections of other premises manufacturing or handling food were made. (Pages 67-69).

Food and Drugs Act. (Pages 58-59).

Under the Food, Drugs and Disinfectants Act, 72 samples were taken, and the results of the analyses were as follows:-

Milk: 32 Samples: 1 Sample not in accordance with requirements in regard to 8.5% Solids-not-Fat.

Ice Cream: 3 Samples : 1 not in accordance with standard laid down of 10% Fat.

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

Mince Meat: 24 Samples: All samples in accordance with standards laid down.

Sausage: 6 Samples: All in accordance with standards laid down.

Boerewors: 2 Samples: Both in accordance with standards laid down.

In the case of the defective Solids-not-Fat Milk Sample a letter was written to the Supplier. Prosecution in the case of the adulterated Ice Cream sample resulted in a fine of R15.

Outbreaks of Food Poisoning.

3 Episodes of food poisoning were reported.

Persons Involved.	Suspected Food	Laboratory Results.	Remarks.
1. 4 Persons of one family. (1 adult 3 children.)	(Sour Milk) Maas/made from separated milk	No pathogens in patients stools. No pathogens in sample of maas.	Another family. (1 adult, 3 children) drinking the same maas reported no illness.
2. 1 Person (Adult)	Biltong	Patient Stools - B. Proteus Biltong sample - Staph. Albus B. Subtilis contamination.	Rapid acute onset suggestive of Staph. food poisoning.
3. 4 Persons of one family. (2 adults and 2 children)	Vienna sausages in sealed cellophane packet.	No specimens could be obtained of food or from patients excreta.	-

(13) MATERNITY AND CHILD WELFARE (Page 57).

The European Infantile Mortality Rate of 11.8 showed a big decrease on last year's figure of 23.9,and was a remarkably low figure.

The Coloured Infantile Mortality Rate of 20.9 was about half last year's figure of 47.6.

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(13) MATERNITY AND CHILD WELFARE (Cont'd).

The Bantu Infantile Mortality Rate was 107.7, a small increase on last year's figure of 98.2.

The Asiatic Infantile Mortality Rate was 41.1 as compared with 45.5 last year.

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

In Europeans prematurity was again the main cause accounting for over 75% of the Infantile deaths. Prematurity, Diarrhoea and Enteritis and Broncho-Pneumonia were the chief causes of Non-European Infantile Mortality.

This Department continued to supply milk to necessitous infants up to the age of 2 years, and also to a small number of children below the age of 5. See page 57.

Diphtheria and Poliomyelitis immunisation was continued as one of the important activities of the Infant Welfare Clinics. 2019 Children were immunised against Diphtheria (European 601; Bantu 249; Coloured 185; Asiatic 984), as compared with 2332 last year.

Of the total given above 367 European, 89 Bantu, 104 Coloured and 148 Asiatic infants were immunised against Whooping Cough and Tetanus at the same time as against Diphtheria. (See page 10-11).

Child Welfare Clinic attendances have been as follows:-

	European	Bantu	Coloured	Asiatic
1951 - 52	8,068	4,230	1,989	5,164
1952 - 53	8,211	5,115	1,921	5,580
1954	6,577	4,674	1,743	4,872
1955	5,926	7,023	1,984	6,012
1956	7,034	7,764	1,984	6,514
1957	6,884	6,928	2,245	6,870
1958	7,798	7,408	2,052	7,673
1959	8,946	8,864	2,701	8,544
1960	8,406	9,592	2,601	9,756
1961	7,761	8,650	2,284	9,141

Vaccination: (See Page 10)

Maternal Mortality.

No deaths were recorded from this cause.

The Midwifery Training School at Grey's Hospital provides midwifery services for Europeans, Coloureds and Asiatics in the wards of Grey's Hospital, and district Midwifery Services in Pietermaritzburg for Europeans, Coloureds and Asiatics. In addition, Ante-Natal Clinic Services for these races are provided.

A new regular weekly Ante-Natal Clinic session has been commenced in Northdale, the Asiatic Municipal Housing Scheme, in the Infant Welfare Clinic building recently built by the City Council. This facility has been granted free of charge by the City Council.

The Bantu Maternity Wards and Ante-Natal Services have been transferred to the new Edendale Hospital. Bantu District Midwifery is carried out by the Municipal Bantu Midwife in the Sobantu Village.

Maternal Mortality. Cont'd.

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

Borough Cases:

(a) Ante-Natal Clinic Attendances

Europeans	:	2,325
Coloureds	:	1,914
Asiatics	:	8,850
TOTAL		13,089

(b) District Midwifery Visits:

Europeans	:	662
Coloureds	:	1,412
Asiatics	:	6,815
TOTAL		8,889

(c) District Confinements.

Europeans, 26; Coloureds, 73; Asiatics, 368; Total, 467

The Municipal Bantu Midwife conducted 90 confinements and paid 1,441 visits in connection with confinement cases (439 Ante-Natal and 1,002 Post-Natal).

In addition, an Ante-Natal Clinic was held at the Sobantu Village Dispensary for these patients:-

No. of New Patients	Ante-Natal Attendances	W.R.'s taken	W.R.'s Positive	Rh Positive	Rh Negative
131	421	139	21	107	2

2 Patients were sent to hospital for confinement because of abnormalities of Labour.

Pietermaritzburg is a "Prescribed Area" under Section 39(b) of the Medical Dental and Pharmacy Act No. 13 of 1928, within which no person other than a Medical Practitioner or a midwife registered under the Act, shall attend any lying-in-woman for gain. There is one untrained midwife (an Asiatic) "listed" in Pietermaritzburg, but she did not conduct any confinements during the year. 1 Midwife's bag inspection was made.

(14) BY-LAW NOTICES AND PROSECUTIONS (Pages 67-69).

2,983 Notices and formal letters were served regarding breaches of the Borough By-Laws. 29 Prosecutions were initiated in the Magistrate's Court, as detailed on page 67. The total of inspections carried out this year was 22,147 as compared with 19,110 last year. Health Inspectors were also diverted to the Abattoir at times to assist with Meat Inspection duties because of shortage of staff.

(15) OTHER MATTERS OF HEALTH AND SANITATION.

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

Complaints from Burgesses: 157 complaints were received and dealt with.

Medical Examination of Bantu:

Number Examined	Referred to TB Clinic after Min. X-Ray (See p.49)	Rejected V.D.	Rejected Other Causes	Vaccinated
Male : 20,560	196	44	1 (Scabies)	
Female : 78	-	2	-	
TOTAL : 20,638	196	46 (0.2%)	1 -	20.586

The ...../

Medical Examination of Bantu: Cont'd.

The number of Bantu female domestic servants coming forward for voluntary examination remains extremely low. Every person appearing at the Pass Office who does not possess evidence of recent successful vaccination, is vaccinated (a single insertion only.) A Miniature X-Ray is taken of every Bantu attending the Medical Examination sessions, unless they have been X-Rayed within the preceding 6 months.

Sobantu (Bantu) Village Dispensary:

The Out-Patient Dispensary is conducted by this Department. Three sessions are held each week, attended by the Assistant Medical Officer of Health, while a full-time Bantu Nurse, who lives at the Village, assists at the Clinic, does the necessary dressings and follow-up treatment, and visits patients in their homes.

Number of New Patients attending Dispensary	:	2,918
Re-attendances at Dispensary	:	282
Home Visits	:	1,395
Surgical Dressings	:	9,554

The Council's trained Bantu District Nurse carried out a total of 3,841 Home Nursing Visits, 695 New Cases being registered this year.

Health Propaganda:

Our Envelopes all carry Diphtheria immunisation slogans. Considerable publicity was obtained through the press for Oral Poliomyelitis Vaccination and when Rabies was reported. Circulars have been sent through the Electric Light Accounts to practically every household in Pietermaritzburg on the following subjects:- "Rabies", "X-Ray to prevent Tuberculosis". Groups of Nurses have been shown over the Abattoir during their training.

(16) STAFF:

The Staff of the Department at 31st December, 1961, was as follows:-

ADMINISTRATIVE AND OFFICE

Medical Officer of Health	:	M.Maister, B.A., M.B., Ch.B., D.P.H.
Asst. Medical Officer of Health .	:	K. J. Aitken, M.B., Ch.B., D.P.H.
Clinical Medical Officer	:	J. M. Lalor, M.B., B.Ch.,
Chief Clerk	:	E. Bastow
Clerk	:	E. D. Gafney
Junior Clerk	:	Miss S. M. Ward
Senior Woman Clerical Asst.	:	Miss E. M. Hughes
Junior Woman Clerical Assts.	:	Miss Y. W. Gafney
		Miss N. E. Wilkinson
		Miss A. D. Cameron

INSPECTORATE

Chief Health Inspector	:	C. F. Wyatt, Cert. R.S.I., Meat & Other Foods Cert. R.S.I., Tropical Hygiene Cert. R.S.I.
Health Inspectors	:	D.C. Johnston, Cert. R.S.I., Tropical Hygiene Cert. R.S.I.
	:	C. L. O. Iversen, Cert. R.S.I., Meat & Other Foods Cert. R.S.I., Trop. Hygiene Cert. R.S I.
	:	S. Tulleken, Cert. R.S.I., Meat & Other Foods Cert. R.S.I., Tropical Hygiene Cert. R.S.I.
	:	D. S. Wark, Cert. R.S.I.
	:	J. A. Lourens, Cert. R.S.I.
	:	Position Vacant

Bantu ...../

(16) STAFF Cont'd.

Bantu Health Inspector	: R. Mntungwa, Cert. R.S.I.
Malaria Officer	: R. F. Fryer.
Rodent Officer	: G. Fairfield.

Handyman & Transport Officer.
1 Indian Fumigation Assistant.

HEALTH VISITING STAFF

Senior Health Visitor	: Miss E. M. McDougall, Health Visitor's Cert. (Scotland); Health Visitor's Cert. R.S.I. Mothercraft Cert. (New Zealand).
Health Visitors	: Miss M. W. Marwick, Mothercraft Cert.
	: Miss E. E. Holcomb, Health Visitor's Cert., R.S.I.; Mothercraft Cert.
	: Mrs. M. Campbell, Health Visitor's Cert. R.S.I.; Mothercraft Cert., Fever Cert.
	: Mrs. I. Ellis, Health Visitor's Cert. R.S.I.; Reg. Mental Nurse, S.A.N.C.
	: Mrs. D. Evans, Health Visitor's Cert. R.S.I.
Clinic Sister	: Mrs. B.A. Mitchell, Health Visitor's Cert. R.S.I.
Clinic Clerks	: Mrs. A. C. Ferguson.
	Mrs. E. Forson.
Bantu Health Visitor	: Miss M.Liphoto,Health Visitor's Cert. R.S.I.
Asiatic Health Visitor	: Miss S. Chetty, Health Visitor's Cert. R.S.I.

BANTU NURSING AND HEALTH ASSISTANT STAFF

Bantu Nurse (Sobantu Village Dispensary	: Nurse Sophia Masongos, Health Visitor's Cert. R.S.I.
District Bantu Nurse	: Nurse Lulu Ngubane, S.A.N.C. Cert. (General & Midwifery)
District Bantu Midwife	: Nurse I. Ngcobo, S.A.N.C. Cert. (General & Midwifery)
Bantu Health Assistants	: G. Rodolo, S. Makoena and M. Hlongwane.

ISOLATION HOSPITAL

Matron	: A. E. Konstam (Acting)
Sisters	: E. Friedlander, J. Bassage, Position Vacant.
Night Sister	: K. E. Koen.
Probationer Nurses	: M. Piek, A. Herbst.
1 Housekeeper	: Mrs. C. Crawley.

14 Domestic Servants
1 Bantu Night Watchman

NON-EUROPEAN INFECTIOUS DISEASES HOSPITAL

Matron	: C. le Steers.
Male Nurse	: Vacant.
1 Housekeeper	: Mrs. A. Roberts.
Native Staff Nurses	: 10
Native Probationer Nurses	: 8
Native Domestic Staff	: 27
Native Night Watchman	: 1

EPIDEMIC ...../

(16) STAFF Cont'd.

EPIDEMIC HOSPITAL

Male Nurse	:	Vacant
Bantu Staff Nurse	:	Position Vacant.
Bantu Orderlies	:	2
Night Watchman	:	1
Bantu Cook	:	1

ABATTOIR

Manager	:	R. M. Brock, Cert. R.S.I., Meat & Other Foods Cert. R. S. I.
Meat Inspectors	:	H. Dreyer, Cert. R.S.I.; Meat & Other Foods. R.S.I.
	:	H. C. Claasen, Cert. R.S.I.; Meat & Other Foods Cert. R.S.I.
Clerk	:	W. L. J. Powell
Slaughterman	:	P. D. Bearpark
Maintenance Fitter	:	H. Schoeman.

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REPORT B.

(1) HOUSING.

The City Council completed 411 dwellings for Asiatics at Northdale, and a Coloured "Economic" Housing Scheme of 50 houses (3 bedroom type) at Woodlands.

Powers under the Borough By-Laws have been exercised sparingly in dealing with insanitary dwellings, owing to the acute Non-European housing shortage. 36 Dwellings were condemned for demolition under Public Health By-Law 17. (25 of these being demolished by the end of the period under review), and 32 dwellings were voluntarily demolished mostly to make way for new buildings. The availability of new dwellings at Northdale has permitted a step up in Departmental activity in securing demolitions of slum dwellings.

Plans.

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

	Approved Outright	Approved Subject to Alterations	Disapproved	Referred for additional information	Total Submitted
1961	374	59	30	87	550

New Buildings.

The City Engineer reports that 89 dwellings and 41 flats (3 blocks) were completed for Europeans, 61 flats (5 blocks), and 31 dwellings were built for Non-Europeans (13 Coloureds and 18 Asiatics). These dwellings were provided by Private Enterprise.

(2) HOUSING OF BANTU, BANTU OR ASIATIC LOCATIONS OR BARRACKS.

The Pietermaritzburg Sobantu Village, situated about 3 miles from the centre of Town now contains 1,091 occupied houses and various public buildings, with an estimated population of 10,000. Water is supplied partly by individual house reticulation and partly by communal standpipes from the Corporation Water Supply. Sanitation is by water-borne sewerage, separate for each house, except for a small low-lying section of the Village which is still served by the pail system. Communal ablution blocks and laundries are provided. Provision for hot baths at a small charge has been made in the recently constructed ablution blocks, and this has proved very popular.

Although there is still room for expansion available at the Sobantu Village, the Government will not permit the extension of this scheme and the Economic Houses constructed 5 years ago are the last houses to be built at this Village. All the houses at the Sobantu Village have been built by Bantu labour, under European supervision. The Council has under consideration a scheme for a new Bantu Village at Slangspruit, and while negotiations are proceeding in this matter, the Sobantu Village is bulging at its seams. Its population is steadily increasing, the present estimate of 10,000 comparing with a figure of 9,000 for last year.

There are three Corporation Hostels for single Bantu. For Males there is a newly extended East Street Hostel (and annexes) now housing 2,300 Bantu, and the Ortman Road Hostel with a capacity of 103. The Women's Hostel in Church Street houses 430 women, and an additional Women's Hostel housing 200 Bantu has been established at Oribi to serve the Government Village mainly. These Hostels are under the control of the Department of Bantu Administration, and two European Superintendents are employed. The scheme for a new Women's Hostel to house over 700 has been shelved owing to the very high tender figures received when the contract was offered. 590 Temporary Licences were granted during the year to house unexempted Bantu under the Bantu (Urban Areas) Act, pending the provision of more accommodation.

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(2) HOUSING OF BANTU, BANTU OR ASIATIC LOCATIONS OR BARRACKS. Cont'd.

The Council has also provided the following Bantu Compounds:-

Wattles Department : 4 (Cement-block) buildings for males (housing 80 Bantu males); and
3 (Cement-block) buildings for females (seasonal labour, housing 60 Bantu females).

City Engineer's Department - Sewage Farm : 2 (brick) buildings housing 53 Bantu males.

About 60% of the Bantu resident in the Town live in quarters provided on the property of their employers. These quarters are the subject of inspection by this Department and in general are satisfactory.

Asiatic Housing.

The Corporation owns one compound housing farm workers. This compound consists of 26 houses and 6 rooms, well constructed in brick, and houses Asiatic Labourers, together with their wives and families, totalling 308 persons.

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

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

The following estimates of housing needs based on recent surveys of the housing needs of the City was supplied by the Estates Manager last year:-

A. Coloured Housing.

(1) Economic Housing:

Size of House Required	:	No. required.
One bedroom type	:	5
Two bedroom type	:	42
Three bedroom type	:	62
		109

Income Groups:

R.40 - 60	:	33
R.60 - 80	:	16
R.80 - 100	:	19
R.100 - 120	:	8
Over R. 120	:	33
		109

(2) Requirements to meet Group Areas action:

Economic Houses:

Income Groups :	R.40 - 60	:	3
	R.60 - 80	:	4
	R.80 - 100	:	7
	Over R.100	:	41
			55

(3) Sub-Economic Housing ...../

(A) Coloured Housing. Cont'd.

(3) Sub-Economic Housing:

(a) No. of Houses required : 35.

(b) No. required to meet Group Areas Requirements : 16.

(B) Asiatic Housing:

(This estimate includes the Municipal Area, and the Local Health Commission areas of Plessislaer, Edendale, Mount Partridge and Ockert's Kraal as the City will require to provide under the Group Areas requirements for these areas.)

(1) Existing Housing Shortage:

No. of families requiring accommodation:

Sub-economic	:	302	(40%)
Economic	:	437	(40%)
Total		739	

(a) Distribution of families in Income Groups:

R40 - 60	R60 - 80	R80 - 100	Over R100	Total
304	98	27	8	437
69.6%	22.4%	6.2%	1.8%	

(b) Size of House Required:

2 Bedroomed House	3 Bedroomed House	Total
121	316	437

(2) Housing requirement due to implementation of Group Areas Act, (by expiry dates).

Income distribution of affected families:

	R0 - 40	R40 - 60	R60 - 80	R80 - 100	Over R100	Total
1961	16	10	14	8	38	86
1965	95	165	201	85	54	82
1967	2	2	2	11	39	56

The ..../

B. Asiatic Housing. Cont'd.

The estimated housing needs for the Bantu population (figures supplied by the Director, Department of Bantu Administration) are as follows:-

Married Quarters	:	1,000 Houses.
Single Quarters	:	3,000 Houses.

New Council Housing Schemes:

A scheme for 411 'economic' and 'sub-economic' houses for Asiatics was completed during the year at Northdale.

Further, Housing Schemes for 'economic' houses for Asiatics and Coloureds in Northdale and Woodlands respectively are being considered by the City Council. Negotiations for the acquisition of land for the new Bantu housing scheme at Imbali (Slangspruit) are also now going ahead.

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DEATHS

The detailed International List of Causes of Death as adapted for use in the Republic of South Africa (6th Decennial Revision by the International Commission) is used. The omission of any cause indicates no deaths were registered for that cause.

	EUROPEAN RESIDENTS			BANTU RESIDENTS			COLOURED RESIDENTS			ASIATIC RESIDENTS		
	M	F	P	M	F	P	M	F	P	M	F	P
INFECTIVE AND PARASITIC DISEASES.												
. Pulmonary Tuberculosis	0	1	1	5	1	6	1	1	2	1	0	1
). Tuberculosis Meninges & C.N.S.	0	0	0	0	0	0	0	0	0	1	0	1
. Tuberculosis of intestines, peritoneum & mesenteric glands	0	0	0	0	1	1	0	0	0	0	1	1
. Tuberculosis of bones and joints	0	0	0	0	0	0	0	0	0	0	0	0
3. T.B. of other organs	0	0	0	0	0	0	0	0	0	0	0	0
9. Disseminated Tuberculosis	0	0	0	0	0	0	0	0	0	0	0	0
). Congenital Syphilis	0	0	0	0	0	0	0	0	0	0	0	0
3. Other Cardiovascular Syphilis	0	0	0	0	0	0	0	0	0	0	0	0
5. General Paralysis of Insane	0	0	0	0	0	0	0	0	0	0	0	0
). Typhoid Fever	0	0	0	1	0	1	0	0	0	0	0	0
5. Amoebiasis	0	0	0	1	1	2	0	0	0	0	0	0
3. Septicaemia and pyaemia	0	1	1	0	0	0	0	0	0	0	0	0
5. Diphtheria	0	0	0	0	0	0	1	0	1	0	0	0
7. Meningococcal Infections	0	0	0	1	0	1	0	0	0	0	0	0
1. Tetanus	0	0	0	0	0	0	0	0	0	0	2	2
3. Gas gangrene	0	0	0	0	0	0	0	0	0	0	1	1
2. Acute Infectious Encephalitis	0	0	0	0	0	0	0	0	0	0	0	0
5. Measles	0	0	0	0	1	1	0	0	0	1	1	2
2. Infectious Hepatitis	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL : GROUP I	0	2	2	8	4	12	2	1	3	3	5	8
) NEOPLASMS.												
Malignant Neoplasm of:-												
0. Lip	0	0	0	0	0	0	0	0	0	0	0	0
1. Tongue	0	0	0	0	0	0	0	0	0	0	0	0
0. Oesophagus	1	0	1	0	1	1	0	0	0	0	0	0
1. Stomach	6	3	9	1	0	1	0	0	0	1	1	2
2. Small intestine including duodenum	1	0	1	0	0	0	0	0	0	0	0	0
3. Large intestine, excluding rectum	1	3	4	0	0	0	0	0	0	0	0	0
4. Rectum	2	1	3	0	0	0	0	0	0	0	0	0
5. Biliary passages and liver	0	1	1	0	0	0	0	0	0	0	0	0
6. Liver (secondary and unspecified)	1	0	1	1	0	1	0	1	1	0	0	0
7. Pancreas	1	2	3	0	0	0	0	0	0	0	0	0
1. Larynx	2	0	2	0	0	0	0	0	0	0	0	0
2. Trachea, bronchus and lung - primary	1	0	1	0	0	0	0	0	0	0	0	0
3. " " " " - unspec.	4	1	5	0	0	0	0	1	1	0	0	0
0. Breast	0	4	4	0	0	0	0	1	1	0	0	0
1. Cervix Uteri	0	0	0	0	1	1	0	1	1	0	1	1
2. Corpus Uteri	0	4	4	0	0	0	0	0	0	0	0	0
5. Ovary, Fallopian tube & broad ligt.	0	1	1	0	1	1	0	0	0	0	0	0
7. Prostate	4	0	4	0	0	0	0	0	0	0	0	0
8. Testis	1	0	1	0	0	0	0	0	0	0	0	0
0. Kidney	0	2	2	0	0	0	0	0	0	0	0	0
1. Bladder & other urinary organs	1	0	1	0	0	0	0	0	0	0	0	0
0. Malignt. Melanoma of Skin	1	1	2	0	0	0	0	0	0	0	0	0
2. Eye	0	0	0	0	0	0	0	0	0	0	0	0
4. Thyroid Gland	0	0	0	0	0	0	0	0	0	0	0	0
6. Bone	0	0	0	0	0	0	0	0	0	1	0	1
9. Other and unspecified sites	2	2	4	0	0	0	0	0	0	0	0	0
0. Lymphosarcoma and reticulosarcoma	0	1	1	0	0	0	0	0	0	0	0	0
1. Hodgkins disease	0	0	0	0	0	0	0	0	0	0	0	0
4. Leukaemia and aleukaemia	2	3	5	1	0	1	0	0	0	0	1	1
7. Brain & Nervous system - unspec.	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL : GROUP II	31	29	60	3	3	6	0	4	4	2	3	5
Total C/Forward	31	31	62	11	7	18	2	5	7	5	8	13

DEATHS Cont'd.

	EUROPEAN RESIDENTS			BANTU RESIDENTS			COLOURED RESIDENTS			ASIATIC RESIDENTS		
	M	F	P	M	F	P	M	F	P	M	F	P
Total B/Forward	31	31	62	11	7	18	2	5	7	5	8	13
11) ALLERGIC ENDOCRINE SYSTEM. METABOLIC AND NUTRITIONAL DISEASES.												
41. Asthma	0	0	0	0	0	0	0	0	0	0	1	1
52. Thyrotoxicosis	0	0	0	0	0	0	0	0	0	0	0	0
54. Other dis. thyroid gland	0	1	1	0	0	0	0	0	0	0	0	0
60. Diabetes Mellitus	1	3	4	1	0	1	0	0	0	1	0	1
74. Dis. of adrenal glands	0	0	0	0	0	0	0	0	0	0	0	0
81. Pellagra	0	0	0	0	0	0	0	0	0	0	0	0
86. Other Avitaminoses & nutritional deficiency states	0	0	0	9	4	13	0	0	0	0	1	1
TOTAL : GROUP III	1	4	5	10	4	14	0	0	0	1	2	3
V) DISEASES OF THE BLOOD.												
90. Pernicious & hyperchromic anaemias	0	1	1	0	0	0	0	0	0	0	0	0
91. Iron deficiency anaemias	0	0	0	0	0	0	0	0	0	0	0	0
92. Other anaemias, specified type	0	0	0	0	0	0	0	0	0	0	0	0
93. Anaemia, unspecified type	0	0	0	0	0	0	0	0	0	0	0	0
95. Haemophilia	0	0	0	0	0	0	0	0	0	0	0	0
96. Purpura & other haemorrhagic condns.	0	0	0	0	0	0	0	0	0	0	1	1
99. Other dis. of blood & blood form.org.	0	1	1	0	0	0	0	0	0	0	0	0
TOTAL : GROUP IV	0	2	2	0	0	0	0	0	0	0	1	1
) MENTAL, PSYCHONEUROTIC & PERSONALITY DISORDERS.												
04. Senile Psychosis	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL : GROUP V	0	0	0	0	0	0	0	0	0	0	0	0
I) DISEASES OF THE NERVOUS SYSTEM.												
30. Subarachnoid haemorrhage	0	2	2	0	0	0	0	0	0	1	0	1
31. Cerebral haemorrhage	11	8	19	5	2	7	0	1	1	3	7	10
32. Cerebral embolism & thrombosis	4	8	12	2	0	2	0	0	0	0	1	1
34. Other vascr. les. of C.N.S.	1	0	1	0	0	0	0	0	0	1	0	1
40. Meningitis	0	0	0	1	0	1	0	0	0	0	1	1
42. Intracranial & intraspinal abscess	0	0	0	0	1	1	0	0	0	0	0	0
53. Epilepsy	0	1	1	1	0	1	0	0	0	0	2	2
55. Other diseases of brain	0	0	0	0	0	0	0	0	0	0	0	0
56. Motor neur. dis. & muscr. atrophy	0	0	0	0	0	0	0	0	0	1	0	1
91. Otitis media without mastoiditis	0	0	0	1	0	1	0	0	0	0	0	0
TOTAL : GROUP VI	16	19	35	10	3	13	0	1	1	6	11	17
II) DISEASES OF THE CIRCULATORY SYSTEM.												
10. Diseases of Mitral Valve	0	0	0	0	1	1	0	0	0	0	0	0
15. Other myocarditis - rheumatic	0	0	0	1	0	1	0	0	0	0	0	0
16. Other heart dis. spec. rheumatic	0	0	0	0	0	0	0	0	0	0	0	0
20. Arteriosclerotic heart dis. inc. Coronary Thrombosis	43	26	69	1	0	1	2	1	3	9	7	16
21. Chron. endocarditis not spec. rheum.	0	0	0	0	0	0	0	0	0	0	0	0
22. Other myocardial degeneration	8	10	18	0	1	1	0	0	0	1	2	3
30. Acute & subac. endocarditis	1	0	1	1	0	1	0	0	0	0	0	0
31. Acute myocarditis - not rheumatic	0	1	1	0	0	0	0	0	0	0	1	1
34. Other & unspec. diseases of heart	22	14	36	6	1	7	3	1	4	7	6	13
40. Ess. Benign Hyperten. with heart dis.	0	0	0	0	0	0	0	0	0	0	0	0
41. Ess. mal. hyperten. with heart dis.	2	3	5	2	0	2	0	0	0	6	1	7
43. Other & unspec. hyperten. " "	0	0	0	0	0	0	0	0	0	0	0	0
45. Ess. Malig. Hyperten. without. mention of heart	0	0	0	0	0	0	0	0	0	0	0	0
47. Other hypertensive disease without mention of heart	0	0	0	0	0	0	0	0	0	0	0	0
50. General arteriosclerosis	4	5	9	0	0	0	0	0	0	1	0	1
51. Aortic an. - non-syph. - & diss. an.	2	1	3	0	0	0	0	0	0	1	0	1
52. Other aneurysm exc. of heart & aorta	0	0	0	0	0	0	0	0	0	0	0	0
54. Arterial embolism and thrombosis	1	0	1	1	0	1	0	0	0	0	0	0
65. Pulmonary embolism & infarction	4	7	11	0	1	1	0	0	0	0	0	0
TOTAL : GROUP VII	87	67	154	12	4	16	5	2	7	25	17	42
Total C/Forward	135	123	258	43	18	61	7	8	15	37	39	76

DEATHS Cont'd.

	EUROPEAN RESIDENTS			BANTU RESIDENTS			COLOURED RESIDENTS			ASIATIC RESIDENTS		
	M	F	P	M	F	P	M	F	P	M	F	P
Total B/Forward	135	123	258	43	18	61	7	8	15	37	39	76
III) DISEASES OF THE RESPIRATORY SYSTEM.												
80. Influenza with pneumonia	0	0	0	0	0	0	0	0	0	0	0	0
83. Influenza with nervous manifest.	0	0	0	0	0	0	0	0	0	0	0	0
90. Lobar pneumonia	3	1	4	4	1	5	0	0	0	1	0	1
91. Broncho-pneumonia	2	2	4	9	15	24	3	1	4	3	2	5
93. Pneumonia, other & unspecified	2	1	3	2	0	2	1	0	1	2	0	2
00. Acute Bronchitis	0	0	0	1	0	1	0	0	0	0	1	1
01. Bronchitis unqualified	0	0	0	2	0	2	0	0	0	0	0	0
02. Chronic bronchitis	1	0	1	1	0	1	1	1	2	1	0	1
18. Empyema	0	0	0	0	0	0	0	0	0	0	0	0
21. Abscess of lung	0	0	0	0	0	0	0	0	0	0	0	0
22. Pulm. congestion and hypostasis	1	2	3	0	0	0	0	0	0	1	0	1
25. Other Chronic interstitial Pneum.	1	0	1	1	0	1	0	0	0	0	0	0
26. Bronchiectasis	0	1	1	0	0	0	1	0	1	0	0	0
27. Other dis. of lung & pleural cavity	0	0	0	1	0	1	0	0	0	0	0	0
TOTAL : GROUP VIII	10	7	17	21	16	37	6	2	8	8	3	11
X) DISEASES OF THE DIGESTIVE SYSTEM.												
40. Ulcer of the stomach	0	1	1	2	0	2	0	0	0	0	0	0
41. Ulcer of duodenum	1	0	1	0	0	0	0	0	0	0	0	0
45. Other dis. of stomach & duodenum	0	0	0	0	0	0	0	0	0	0	0	0
50. Acute appendicitis	0	0	0	0	0	0	0	0	0	0	0	0
70. Intest. obstruction - no hernia	3	1	4	0	0	0	0	0	0	0	0	0
71. Gastro-enteritis (over 4 weeks)	3	0	3	15	14	29	0	1	1	5	4	9
76. Peritonitis	0	0	0	1	0	1	0	0	0	0	0	0
77. Peritoneal adhesion	0	0	0	0	0	0	0	0	0	1	0	1
78. Other diseases of intestines and peritoneum	0	1	1	0	0	0	0	0	0	0	0	0
80. Acute & subac. yell. atrophy liver	0	0	0	0	0	0	0	0	0	0	0	0
81. Cirrhosis of liver	2	0	2	1	0	1	0	0	0	0	0	0
82. Liver abscess	0	0	0	1	0	1	0	0	0	0	0	0
83. Other diseases of liver	0	1	1	0	0	0	0	0	0	1	0	1
84. Cholelithiasis	0	1	1	0	0	0	0	0	0	0	0	0
87. Diseases of pancreas	0	0	0	0	0	0	0	0	0	1	0	1
TOTAL : GROUP IX	9	5	14	20	14	34	0	1	1	8	4	12
) DISEASES OF THE GENITO-URINARY SYSTEM.												
90. Acute Nephritis	0	0	0	0	0	0	0	0	0	0	0	0
91. Nephritis with oedema, inc. nephrosis	0	0	0	1	0	1	0	0	0	0	0	0
92. Chronic nephritis	2	0	2	0	2	2	0	0	0	0	1	1
93. Nephritis not spec. as acute/chronic	1	0	1	0	0	0	0	0	0	0	0	0
94. Other renal sclerosis	0	1	1	0	0	0	0	0	0	1	0	1
00. Infections of kidney	0	1	1	0	1	1	0	0	0	0	0	0
01. Hydronephrosis	0	0	0	0	0	0	0	0	0	0	0	0
10. Hyperplasia of prostate	1	0	1	0	0	0	0	0	0	1	0	1
30. Infect. dis. of uterus, vagina and vulva	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL : GROUP X	4	2	6	1	3	4	0	0	0	2	1	3
Total C/Forward	158	137	295	85	51	136	13	11	24	55	47	102

DEATHS Cont'd.

	EUROPEAN RESIDENTS			BANTU RESIDENTS			COLOURED RESIDENTS			ASIATIC RESIDENTS		
	M	F	P	M	F	P	M	F	P	M	F	P
Total B/Forward	158	137	295	85	51	136	13	11	24	55	47	102
XI) DELIVERIES & COMPLICATIONS OF PREGNANCY, CHILDBIRTH & PUERPERIUM												
642. Toxaemia Of Pregnancy	0	0	0	0	0	0	0	0	0	0	1	1
651. Abortion with sepsis	0	0	0	0	1	1	0	0	0	0	0	0
TOTAL : GROUP XI	0	0	0	0	1	1	0	0	0	0	1	1
XII) DISEASE OF SKIN AND CELLULAR TISSUE												
692. Other cellulitis and abscess	0	0	0	0	0	0	0	0	0	0	0	0
716. Other dis. of skin	0	0	0	1	0	1	0	0	0	0	0	0
TOTAL : GROUP XII	0	0	0	1	0	1	0	0	0	0	0	0
XIII) DISEASES OF THE BONES												
730. Osteomyelitis & periostitis	0	0	0	1	0	1	0	0	0	0	0	0
744. Other dis. of muscle, tendon & fascia	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL : GROUP XIII	0	0	0	1	0	1	0	0	0	0	0	0
XIV) CONGENITAL MALFORMATIONS												
751. Spina bifida and meningocele.	0	0	0	0	0	0	0	0	0	0	0	0
752. Congenital hydrocephalus.	0	0	0	0	0	0	0	0	0	0	0	0
753. Other congenital malformations of nervous system and sense organs.	0	0	0	0	0	0	0	0	0	1	0	1
754. Congen. malf. circulatory system.	1	0	1	0	1	1	0	0	0	0	0	0
756. Congen. malf. digestive system.	0	0	0	0	0	0	0	0	0	1	0	1
757. Congen. malf. genito-ury. system.	0	0	0	0	0	0	0	0	0	0	0	0
759. Other and unspecified congenital malformations.	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL : GROUP XIV	1	0	1	0	1	1	0	0	0	2	0	2
XV) CERTAIN DISEASES OF EARLY INFANCY												
760. Intracrl. & spinl. injy. at birth	0	0	0	0	1	1	0	1	1	0	0	0
761. Other birth injury.	0	0	0	0	0	0	0	0	0	1	0	1
762. Postnatal asphyxia & atelectasis	0	0	0	0	0	0	0	0	0	0	1	1
764. Diarrhoea of newborn	0	0	0	0	0	0	0	0	0	0	0	0
770. Haemolytic dis. of newborn	0	0	0	0	0	0	0	0	0	0	1	1
771. Haemorrhagic dis. of newborn	0	0	0	0	0	0	0	0	0	1	0	1
773. Ill-def. dis. pecr. to early infcy.	0	0	0	1	0	1	0	0	0	0	0	0
774. Immaturity with other subsidiary condition	0	0	0	0	0	0	0	0	0	0	0	0
775. Immaturity subsidiary to some other cause	0	0	0	0	0	0	0	0	0	0	0	0
776. Immaturity - unqualified	4	3	7	3	8	11	0	1	1	4	7	11
TOTAL : GROUP XV	4	3	7	4	9	13	0	2	2	6	9	15
XVI) SYMPTOMS, SENILITY & ILL-DEFINED CONDITIONS												
782. Symptoms referable to cardiovasc. & lymphatic systems	0	0	0	0	0	0	0	0	0	0	0	0
783. Symptoms referable to respiratory system	0	0	0	0	0	0	0	0	0	0	0	0
786. Symptoms referable to genito-urinary system	0	0	0	0	0	0	0	0	0	0	0	0
788. Other general symptoms	0	0	0	0	0	0	0	0	0	0	0	0
792. Uraemia - unqualified	2	3	5	0	0	0	1	0	1	1	1	2
794. Senility - without psychosis	3	5	8	0	0	0	0	0	0	0	0	0
795. Ill-defined & unknown causes	5	0	5	19	7	26	0	2	2	3	3	6
TOTAL : GROUP XVI	10	8	18	19	7	26	1	2	3	4	4	8
TOTAL	173	148	321	110	69	179	14	15	29	67	61	128

DEATHS Cont'd.

	EUROPEAN RESIDENTS			BANTU RESIDENTS			COLOURED RESIDENTS			ASIATIC RESIDENTS		
	M	F	P	M	F	P	M	F	P	M	F	P
Total B/Forward	173	148	321	110	69	179	14	15	29	67	61	128
XVII) ACCIDENTS, POISONING & VIOLENCE.												
800. Railway accident - involving railroad employee	1	0	1	0	0	0	0	0	0	0	0	0
802. Railway accident - involving other persons	1	0	1	0	0	0	0	0	0	0	0	0
812. Motor vehicle traffic accident to pedestrian	1	0	1	0	0	0	0	0	0	0	0	0
813. Motor vehicle acc. to pedal cyclist	0	0	0	1	0	1	0	0	0	0	0	0
814. Motor vehicle acc. to rider/passenger of motorcycle in collision with non-motor vehicle	1	0	1	0	0	0	0	0	0	0	0	0
815. Motor vehicle acc. to rider of motor cycle in collision	1	1	2	0	0	0	0	0	0	0	0	0
816. Other motor vehicle traffic accident - 2 or more vehicles	0	0	0	0	0	0	0	0	0	0	0	0
822. Motor vehicle accident -overturning	0	1	1	2	0	2	0	0	0	0	0	0
823. Motor vehicle accident - running off roadway	0	0	0	0	0	0	0	0	0	0	0	0
825. Motor vehicle accidents - unspec.	1	0	1	0	0	0	0	0	0	0	0	0
830. Motor vehicle non-traffic accident to pedestrian	0	0	0	0	1	1	1	0	1	0	0	0
831. Motor veh. non-traffic acc. to pedal cyclist	0	0	0	0	0	0	0	0	0	0	0	0
835. Motor vehic. non-traffic nature - other/unspec.	0	0	0	0	0	0	0	0	0	1	0	1
840. Street car accident to pedestrian	0	0	0	0	0	0	0	0	0	0	0	0
871. Accidental poisoning -barbiturates	0	0	0	0	0	0	0	0	0	0	0	0
880. Accidental poisoning by alcohol	0	0	0	0	0	0	0	0	0	0	0	0
891. Accidental poisoning by motor vehicle exhaust gas	1	0	1	0	0	0	0	0	0	0	0	0
902. Other falls - from one level to another	0	0	0	0	0	0	0	0	0	0	0	0
913. Accident caused by cutting and piercing instruments	0	0	0	0	0	0	0	0	0	0	0	0
914. Accident caused by electric current	1	0	1	0	0	0	0	0	0	0	0	0
916. Accident caused by fire/explosion of combust. material	0	0	0	0	1	1	0	0	0	0	0	0
917. Accident caused by hot substance, corrosive liquid and steam	0	0	0	0	0	0	0	0	0	0	0	0
919. Accident caused by firearm	0	0	0	0	0	0	0	0	0	0	0	0
921. Inhalatn. & ingestn. of food causing obstruction or suffocation	0	0	0	2	0	2	0	0	0	0	0	0
925. Accidtl. mechanical suffocation	0	0	0	0	0	0	0	0	0	0	0	0
929. Accidental drowning & submersion	1	0	1	2	0	2	1	0	1	1	0	1
931. Excessive heat and insolation	0	0	0	0	0	0	0	0	0	1	0	1
936. Other and unspec. accidents	0	0	0	2	0	2	0	0	0	0	0	0
953. Therapeutic misadventure in admin. of drugs	1	0	1	0	0	0	0	0	0	0	0	0
954. Therapeutic misadventure in anaesthesia	0	0	0	0	0	0	0	0	0	0	0	0
956. Late complication of surgical operation	0	0	0	0	0	0	0	0	0	0	0	0
970. Suicide by analgesic and soporific substances	0	0	0	0	0	0	0	0	0	0	0	0
971. Suicide - poisoning by solid/liquid substances	0	0	0	0	0	0	0	0	0	1	0	1
973. Suicide by other gases	1	0	1	0	0	0	0	0	0	0	0	0
974. Suicide by hanging	0	0	0	0	0	0	0	0	0	1	0	1
975. Suicide by drowning	0	0	0	0	0	0	0	0	0	0	0	0
976. Suicide by firearms	0	0	0	0	0	0	0	0	0	0	0	0
979. Suicide by other & unspec. means	0	1	1	0	0	0	0	0	0	0	0	0
982. Assault by cutting or piercing instruments	0	0	0	3	0	3	0	0	0	0	0	0
983. Assault by other means	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL : GROUP E XVII	11	3	14	12	2	14	2	0	2	4	0	4
TOTAL	184	151	335	122	71	193	16	15	31	71	61	132

INFANTILE MORTALITY

(under 1 year)

CAUSES OF DEATH

	EUROPEAN			BANTU			COLOURED			ASIATIC			ALL NON-EUR		
	M	F	P	M	F	P	M	F	P	M	F	P	M	F	P
0. T.B. of Meninges & C.N.S.	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1
0. Congenital Syphilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7. Meningococcal Infections	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
5. Measles	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1
6. Other avitaminoses and nutritional def. states	0	0	0	2	0	2	0	0	0	0	0	0	2	0	2
6. Purpura	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1
1. Cerebral haemorrhage	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
0. Meningitis, exc. meningococcal and tuberculous	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1
3. Epilepsy	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1
1. Otitis Media without mastoiditis	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
2. Other myocardl. degn.	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
4. Other/unspec. dis. heart	0	0	0	1	0	1	0	0	0	0	1	1	1	1	2
0. Lobar Pneumonia	0	0	0	1	1	2	0	0	0	0	0	0	1	1	2
1. Broncho Pneumonia	0	0	0	4	10	14	0	1	1	2	2	4	6	13	19
3. Pneumonia, other & unspec.	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
0. Acute Bronchitis	0	0	0	1	0	1	0	0	0	0	1	1	1	1	2
1. Bronchitis, unqualified	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
1. Gastro-enteritis and colotis, age 4 weeks and over	0	0	0	11	12	23	0	0	0	3	3	6	14	15	29
8. Oth. dis. intest. and peritm.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1. Nephritis with oedema	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
2. Chronic Nephritis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6. Other dis. of skin	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
1. Spin. bif. & mngocele.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2. Cong. Hydrocephalus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3. Other cong. malfmns. of nerv. system & sense organs	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1
4. Congenital malforms. of circulatory system	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1
6. Cong. Malf. digest. syst.	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1
7. Cong. Malf. Genito Ury. system	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9. Unspec. Cong. Malformns.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0. Intracranial & spinal injury at birth	0	0	0	0	1	1	0	1	1	0	0	0	0	2	2
1. Other birth injury	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1
2. Postnatal asphyxia and atelectasis	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1
4. Diarrhoea of new born	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70. Haemlytc. dis. newborn	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1
71. Haemgic. dis. newborn	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1
73. Ill defined dis. peculiar to early infancy	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
74. Immaturity with other subsidiary condition	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75. Immaturity subsidiary to some other cause	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76. Immaturity, unqualified	4	3	7	3	8	11	0	1	1	4	7	11	7	16	23
2. Symptoms referable to cardiovasc. & lymphatic systems	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3. Symptoms referable to respiratory system	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5. Ill def./unknown causes	0	0	0	8	1	9	0	0	0	0	0	0	8	1	9
1. Inhaln. of food causing suffocn.	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
5. Acc. mechl. suffocn.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9. Accidtl. drowning	0	0	0	0	0	0	1	0	1	0	0	0	1	0	1
1. Excess. heat & insolation	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1
0. Therapeutic misadventure in surgical treatment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	6	3	9	39	35	74	1	3	4	15	19	34	55	57	112

INFANTILE MORTALITY

	EUROPEAN			BANTU			COLOURED			ASIATIC			ALL NON-EUR.		
	M	F	P	M	F	P	M	F	P	M	F	P	M	F	P
During 1st 24 hours	4	2	6	4	4	8	0	1	1	4	4	8	8	9	17
2nd - 7th day	0	1	1	1	4	5	0	1	1	2	4	6	3	9	12
1 Week - 1 Month	1	0	1	4	8	12	0	0	0	4	5	9	8	13	21
TOTAL : 1 Month	5	3	8	9	16	25	0	2	2	10	13	23	19	31	50
1 Month - 2 Months	1	0	1	6	5	11	0	0	0	2	1	3	8	6	14
3 Months - 5 Months	0	0	0	10	7	17	0	1	1	1	3	4	11	11	22
6 Months - 8 Months	0	0	0	7	5	12	0	0	0	1	2	3	8	7	15
9 Months - 11 Months	0	0	0	7	2	9	1	0	1	1	0	1	9	2	11
TOTAL : 1 - 11 Months	1	0	1	30	19	49	1	1	2	5	6	11	36	26	62
GRAND TOTAL	6	3	9	39	35	74	1	3	4	15	19	34	55	57	112

INFANTILE MORTALITY RATES
(Deaths per 1,000 Births)

	EUROPEAN	BANTU	COLOURED	ASIATIC
During 1st 24 hours	6 : 7.9	8 : 11.6	1 : 5.2	8 : 9.7
2nd - 7th day	1 : 1.3	5 : 7.3	1 : 5.2	6 : 7.3
1 Week - 1 Month	1 : 1.3	12 : 17.5	0 : 0	9 : 10.9
1 Month - 2 Months	1 : 1.3	11 : 16.0	0 : 0	3 : 3.6
3 Months - 5 Months	0 : 0	17 : 24.7	1 : 5.2	4 : 4.8
6 Months - 8 Months	0 : 0	12 : 17.5	0 : 0	3 : 3.6
9 Months - 11 Months	0 : 0	9 : 13.1	1 : 5.2	1 : 1.2
Infantile Mortality Rate	9 : 11.8	74 : 107.7	4 : 20.9	34 : 41.1

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

European	:	2.7%
Bantu	:	38.3%
Coloured	:	12.9%
Asiatic	:	25.8%
All Non-European	:	31.5%
All Races	:	17.5%

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

	EUROPEAN		BANTU		COLOURED		ASIATIC		ALL NON-EUR.	
	No.	%	No.	%	No.	%	No.	%	No.	%
Tuberculosis (all forms)	0	0	0	0	0	0	1	2.9	1	0.9
Syphilis	0	0	0	0	0	0	0	0	0	0
Diphtheria	0	0	0	0	0	0	0	0	0	0
Whooping Cough	0	0	0	0	0	0	0	0	0	0
Cerebro-Spinal Fever	0	0	1	1.3	0	0	0	0	1	0.9
Measles	0	0	1	1.3	0	0	0	0	1	0.9
Malnutrition	0	0	2	2.7	0	0	0	0	2	1.8
Bronchitis and Pneumonia	1	11.1	18	24.3	1	25	5	14.7	24	21.4
Gastro-Enteritis	0	0	23	31.8	0	0	6	17.6	29	25.9
Malformations	0	0	1	1.3	0	0	1	2.9	2	1.8
Injury at Birth	0	0	1	1.3	1	25	0	0	2	1.8
Asphyxia - Atelectasis	0	0	0	0	0	0	1	2.9	1	0.9
Prematurity	7	77.8	11	14.9	1	25	11	32.4	23	20.5
Ill defined causes	0	0	9	12.2	0	0	0	0	9	8.0
Other specified causes	1	11.1	7	9.5	1	25	9	26.5	17	15.2
	9		74		4		34		112	

RESPIRATORY SYSTEM TUBERCULOSIS

(Code No. 001 - 008)

DEATHS IN MONTHS OF THE YEAR

	EUROPEAN			BANTU			COLOURED			ASIATIC			ALL NON-EUR.		
	M	F	P	M	F	P	M	F	P	M	F	P	M	F	P
January	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
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	0	0	0	0	0
April	0	0	0	0	0	0	1	0	1	0	0	0	1	0	1
May	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1
June	0	1	1	1	0	1	0	1	1	0	0	0	1	1	2
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	0	0	0	0	0	0	0	0	0	0	0	0
November	0	0	0	3	0	3	0	0	0	0	0	0	3	0	3
December	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL :	0	1	1	5	1	6	1	1	2	1	0	1	7	2	9

DEATH RATES (PER 1,000 POPULATION)

European	:	0.025
Bantu	:	0.2
Coloured	:	0.2
Asiatic	:	0.045
All Non-Europeans	:	0.16
ALL PERSONS	:	0.105

DEATHS IN AGE GROUPS

	EUROPEAN			BANTU			COLOURED			ASIATIC			ALL NON-EUR.		
	M	F	P	M	F	P	M	F	P	M	F	P	M	F	P
0 - 1 year	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1 - 2 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 - 4 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 - 14 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 - 24 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 - 34 years	0	0	0	1	1	2	0	1	1	0	0	0	1	2	3
35 - 44 years	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
45 - 54 years	0	0	0	2	0	2	1	0	1	0	0	0	3	0	3
55 - 64 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65 - 74 years	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
75 and Over	0	1	1	0	0	0	0	0	0	1	0	1	1	0	1
TOTAL :	0	1	1	5	1	6	1	1	2	1	0	1	7	2	9

TUBERCULOSIS, OTHER FORMS

(Code No. 010 - 019)

DEATHS IN MONTHS OF THE YEAR

	EUROPEAN			BANTU			COLOURED			ASIATIC			ALL NON-EUR.		
	M	F	P	M	F	P	M	F	P	M	F	P	M	F	P
January	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
February	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
March	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
April	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
June	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	1	0	1	1	0	1
October	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
December	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL :	0	0	0	0	1	1	0	0	0	1	0	1	1	1	2

DEATH RATE PER 1,000 POPULATION

European	:	0
Bantu	:	0.035
Coloured	:	0
Asiatic	:	0.045
All Non-European	:	0.04
ALL PERSONS	:	0.02

DEATHS IN AGE GROUPS

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

MALIGNANT AND OTHER NEOPLASMS
(Code No. 140 - 239)

DEATHS IN AGE GROUPS

	EUROPEAN			BANTU			COLOURED			ASIATIC			ALL NON-EUR.		
	M	F	P	M	F	P	M	F	P	M	F	P	M	F	P
Under 1 year	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1 - 2 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 - 4 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 - 14 years	1	0	1	0	0	0	0	0	0	1	0	1	1	0	1
15 - 24 years	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
25 - 34 years	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0
35 - 44 years	1	1	2	0	1	1	0	0	0	0	2	2	0	3	3
45 - 54 years	3	1	4	0	0	0	0	1	1	1	0	1	1	1	2
55 - 64 years	8	7	15	0	1	1	0	1	1	0	0	0	0	2	2
65 - 74 years	5	9	14	1	1	2	0	2	2	0	1	1	1	4	5
75 and Over	11	11	22	1	0	1	0	0	0	0	0	0	1	0	1
TOTAL :	31	29	60	3	3	6	0	4	4	2	3	5	5	10	15

DEATH RATE PER 1,000 POPULATION

European	:	1.5
Bantu	:	0.2
Coloured	:	0.8
Asiatic	:	0.2
All Non-European	:	0.3
ALL PERSONS	:	0.8

FORMS OF MALIGNANT AND OTHER NEOPLASMS CAUSING DEATH.

Age Groups	0 - 24				25 - 44				45 - 64				65 and Over			
	Eur.		N-Eur.		Eur.		N-Eur.		Eur.		N-Eur.		Eur.		N-Eur.	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Malignant Neoplasm of -																
140 Lip	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141 Tongue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150 Oesophagus	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0
151 Stomach	0	0	0	0	0	0	0	0	2	1	1	0	4	2	1	1
152 Small intestine (inc. duodenum)	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
153 Large intestine (exc. rectum)	0	0	0	0	0	0	0	0	0	1	0	0	1	2	0	0
154 Rectum	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	0
155 Biliary passages and Liver	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
156 Liver (sec.& unspec.)	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0
157 Pancreas	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0
161 Larynx	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0
162 Trachea, bronchus & lung - primary	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
163 Trachea - Secondary	0	0	0	0	0	0	0	0	2	0	0	1	2	1	0	0
170 Breast	0	0	0	0	0	1	0	0	0	1	0	0	0	2	0	1
171 Cervix uteri	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	1
172 Corpus uteri	0	0	0	0	0	0	0	0	0	1	0	0	0	3	0	0
175 Ovary, Fallopian tube and broad ligt.	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
177 Prostate	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0
178 Mgnt. Neoplasm of testis	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
180 Mgnt. Neoplasm of kidney	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0
181 Bladder/Urinary organs	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
190 Mgnt. Melanoma of skin	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0
192 Eye	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
194 Thyroid Gland	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
196 Bone	0	0	1	0	0	0	0	0	0	0	0	0	1	2	0	0
199 Other & unspec. sites	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0
200 Lymphosarcoma and reticulosarcoma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
201 Hodgkin's disease	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0
204 Leukaemia & aleukaemia	1	0	1	0	0	0	0	1	1	0	0	0	0	0	0	0
237 Unspec. nature brain & parts-ner. system	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	1	0	2	0	3	1	0	3	11	8	1	3	16	20	2	4

DISEASES OF THE CIRCULATORY SYSTEM

(Code Nos. 400 - 468)

DEATH IN AGE GROUPS

	EUROPEAN			BANTU			COLOURED			ASIATIC			ALL NON-EUR.		
	M	F	P	M	F	P	M	F	P	M	F	P	M	F	P
nder 1 year	1	0	1	1	0	1	0	0	0	0	1	1	1	1	2
1 - 2 years	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1
2 - 4 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 - 14 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 - 24 years	0	0	0	1	2	3	0	0	0	0	0	0	1	2	3
5 - 34 years	1	0	1	1	0	1	0	0	0	0	0	0	1	0	1
5 - 44 years	1	0	1	0	0	0	2	0	2	4	2	6	6	2	8
5 - 54 years	9	3	12	1	0	1	2	0	2	2	2	4	5	2	7
5 - 64 years	14	11	25	5	0	5	1	1	2	5	5	10	11	6	17
5 - 74 years	28	17	45	1	1	2	0	0	0	5	6	11	6	7	13
5 and Over	33	36	69	2	1	3	0	1	1	8	1	9	10	3	13
TOTAL :	87	67	154	12	4	16	5	2	7	25	17	42	42	23	65

DEATH RATE (PER 1,000 POPULATION)

European	:	3.9
Bantu	:	0.6
Coloured	:	1.5
Asiatic	:	1.9
All Non-European	:	1.2
ALL PERSONS	:	2.3

DEATHS DUE TO PNEUMONIA AND BRONCHITIS
(Code Nos. 490 - 502)

RESIDENTS : (Given in months of the Year).

	EUROPEAN			BANTU			COLOURED			ASIATIC			ALL NON-EUR.		
	M	F	P	M	F	P	M	F	P	M	F	P	M	F	P
nuary	0	2	2	1	2	3	1	0	1	0	0	0	2	2	4
ruary	1	0	1	4	0	4	1	0	1	0	0	0	5	0	5
rch	0	0	0	1	0	1	1	0	1	0	0	0	2	0	2
ril	1	0	1	1	2	3	1	0	1	0	1	1	2	3	5
y	1	0	1	2	0	2	0	0	0	0	0	0	2	0	2
ne	1	0	1	3	3	6	1	0	1	1	0	1	5	3	8
ly	0	0	0	1	0	1	0	1	1	1	0	1	2	1	3
gust	0	0	0	0	1	1	0	0	0	1	1	2	1	2	3
ptember	0	0	0	2	3	5	0	1	1	0	1	1	2	5	7
tober	0	1	1	2	0	2	0	0	0	3	0	3	5	0	5
vember	2	1	3	1	3	4	0	0	0	0	0	0	1	3	4
cember	2	0	2	1	2	3	0	0	0	1	0	1	2	2	4
TAL :	8	4	12	19	16	35	5	2	7	7	3	10	31	21	52

RESIDENTS : (GIVEN IN AGE GROUPS)

	EUROPEAN			BANTU			COLOURED			ASIATIC			ALL NON-EUR.		
	M	F	P	M	F	P	M	F	P	M	F	P	M	F	P
der 1 year	1	0	1	7	11	18	0	1	1	2	3	5	9	15	24
- 2 years	0	0	0	0	4	4	0	0	0	1	0	1	1	4	5
- 4 years	0	0	0	5	0	5	0	0	0	0	0	0	5	0	5
- 14 years	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1
- 24 years	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
- 34 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
- 44 years	0	0	0	0	0	0	1	0	1	0	0	0	1	0	1
- 54 years	0	1	1	1	0	1	0	0	0	0	0	0	1	0	1
- 64 years	2	0	2	2	0	2	2	0	2	1	0	1	5	0	5
- 74 years	1	0	1	2	0	2	2	0	2	1	0	1	5	0	5
and Over	4	3	7	1	0	1	0	1	1	2	0	2	3	1	4
TAL :	8	4	12	19	16	35	5	2	7	7	3	10	31	21	52

onchitis	1	0	1	4	0	4	1	1	2	1	1	2	6	2	8
eumonia	7	4	11	15	16	31	4	1	5	6	2	8	25	19	44
TAL :	8	4	12	19	16	35	5	2	7	7	3	10	31	21	52

DEATH RATES PER 1,000 POPULATION

BRONCHITIS : Code Nos. 500 - 502.

European	: 0.025
Bantu	: 0.2
Coloured	: 0.4
Asiatic	: 0.1
All Non-European	: 0.1
ALL PERSONS	: 0.1

PNEUMONIA : Code Nos. 490 - 493.

European	: 0.3
Bantu	: 1.1
Coloured	: 1.0
Asiatic	: 0.4
All Non-European	: 0.8
ALL PERSONS	: 0.6

DEATHS DUE TO GASTRO-ENTERITIS AND COLITIS

(Age 4 weeks and over)
(Code No. 571)

	EUROPEAN			BANTU			COLOURED			ASIATIC			ALL NON-EUR.		
	M	F	P	M	F	P	M	F	P	M	F	P	M	F	P
January	0	0	0	3	3	6	0	1	1	2	1	3	5	5	10
February	0	0	0	1	2	3	0	0	0	0	1	1	1	3	4
March	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1
April	0	0	0	4	4	8	0	0	0	1	0	1	5	4	9
May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
June	1	0	1	3	1	4	0	0	0	0	0	0	3	1	4
July	0	0	0	1	0	1	0	0	0	1	0	1	2	0	2
August	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1
September	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1
October	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0
November	0	0	0	2	2	4	0	0	0	0	0	0	2	2	4
December	0	0	0	1	1	2	0	0	0	1	0	1	2	1	3
TOTAL :	3	0	3	15	14	29	0	1	1	5	4	9	20	19	39

DISTRICTS OF RESIDENCE OF CASES OF ENTERIC FEVER AND TUBERCULOSIS

	Notifications of Enteric Fever	Deaths from Tuberculosis
Pietermaritzburg Central	8	3
Zwartkop Valley	-	-
Wembley	1	1
Montrose	-	-
Scottsville	1	-
Mountain Rise	-	-
Pentrich	-	2
Pentrich (outside water supply area)	-	-
Chase and Town Bush Valleys	-	-
Sobantu Village	-	4
Hathorn's Hill	-	-
Asiatic Housing Scheme	-	-
Raisethorpe	-	2
Northdale and Woodlands	-	1
TOTAL :	10	13

TUBERCULOSIS CLINIC

	European				Bantu				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	25	13	7	5	83	35	232	49	4	4	4	1	41	20	4	4	153	72	247	59
Total Attendances	89	54	11	13	508	245	916	225	72	40	9	2	276	148	16	8	945	487	952	248
Sputa Examined	17	19	-	3	139	30	132	14	38	8	3	-	30	16	-	-	224	73	135	17
Sputa Positive	4	3	1	1	13	2	11	4	6	1	1	-	4	2	-	-	27	8	13	5
X-Ray Examinations	34	23	4	9	90	34	204	32	13	7	1	1	35	19	7	5	172	83	216	47
X-Ray Positive	13	16	4	1	64	27	108	27	7	5	1	1	17	15	4	2	101	64	114	36
Positive Diagnosis	4	1	-	-	46	18	101	19	-	1	1	1	13	8	1	1	63	28	104	21
Adm. to Durban Hospitals, S.A.N.T.A. and to Non-Eur. Inf. Dis. Hosp. from Clinic	3	1	-	-	29	3	26	8	-	-	1	-	5	-	-	-	37	4	27	8
Contacts Examined	18	6	3	2	45	16	33	6	3	2	-	-	27	9	3	-	93	33	39	8

	EUROPEAN	BANTU	COLOURED	ASIATIC	TOTAL
Streptomycin Injecs. given	365	1,297	420	795	2,877
Home Visits to Tuberculotics and their contacts (Borough cases only)	706	1,353	144	781	2,984

MINIATURE X-RAY CLINIC ATTENDANCES

		EUROPEAN				BANTU				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
Ref. by Pass Office Med. Examination	Routine					7473		7036										7473		7036	
	Suspect																				
Pre-employment X-Ray	Private Firms					40		19	10	35	14			307				382	14	19	10
	Mun. Supern. Fund	96	24															96	24		
Ref. by Employers	Routine	42	36	2		349	185	62	31	9	2			58	5	3		458	228	67	31
	Suspect					4	18							1				5	18		
	Contact	33	124			300	29	12	4					8	3	1	1	341	156	13	5
Ref. by Doctors	Routine		1			1				2				2			1	5	1		1
	Suspect	69	80	10	15	156	55	173	151	18	14	3	2	164	93	31	39	407	242	217	207
	Contact	5	2	2	2	11	7	10	12		1			4	1	7	3	20	11	19	17
Voluntary Attendance	Routine	140	128	21	14	58	24	84	28	10	9			106	47	12	8	314	208	117	50
	Suspect									1								1			
	Contact	90	23	4	3									1	14			91	37	4	3
Referred by Health Visitor	Routine																				
	Suspect															3	1			3	1
	Contact	58	59	1	1	103	61	3	18	6	11		1	121	138	2	2	288	269	6	22
Follow-up X-Ray	ex.Hosp.		2			153	51	12	2	16	5			20	4			189	62	12	2
	ex Clinic	37	20		3	280	96	84	43	26	12	1	1	102	43	5		445	171	90	47
TOTALS :		570	499	40	38	8928	526	7495	299	123	68	4	4	894	348	64	55	10515	1441	7603	396

GRAND TOTAL : 19,955

RESULTS OF MINIATURE X-RAYS

(Excluding Follow-up X-Rays of Hospital and Clinic Cases.)

	EUROPEAN				BANTU				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
1. Suspected P. Tuberculosis	17	15	1	3	194	32	124	15	6	2	1	1	36	16	4	4	253	65	130	23
2. Other lung conditions	4	9	-	-	16	4	11	5	3	-	-	-	3	2	-	-	26	15	11	5
3. Cardiac Conditions	1	2	-	-	7	-	5	-	-	-	-	-	1	-	1	4	9	2	6	4
4. Spinal or Thoracic cage	-	-	-	-	4	1	3	-	-	-	-	-	1	-	-	1	5	1	3	1
5. Nil abnormal detected	511	451	-	-	8274	382	7255	234	72	49	2	2	730	283	54	46	9587	1165	7311	282
6. Other conditions noted	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	1	-	1	-
TOTALS :	533	477	1	3	8495	419	7399	254	81	51	3	3	772	301	59	55	9881	1248	7462	315

European : 1014 All Non-European : 17,892 All Persons : 18,906

FOLLOW-UP RESULTS OF SUSPECTED CASES DETECTED BY MINIATURE X-RAY

(excluding Pass Office Cases.)

	EUROPEAN				BANTU				COLOURED				ASIATIC				TOTAL			
	Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
A. P.T.B. Active	2	1	-	-	30	13	7	1	2	-	-	-	7	7	-	-	41	21	7	1
B. P.T.B. Inactive	2	2	-	-	6	2	-	-	1	1	1	-	3	-	-	1	12	5	1	1
C. Other Lung Conditions	1	1	-	-	3	1	-	-	1	-	-	-	2	-	-	-	7	2	-	-
D. Cardiac Conditions	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
E. Nil Abnormal	5	4	-	-	5	3	2	-	-	-	-	-	2	2	-	-	12	9	2	-
F. Other Conditions noted	2	-	-	-	-	-	-	-	1	1	-	-	1	1	-	-	4	2	-	-
G. Did not re-attend	5	7	1	3	45	13	23	14	1	-	-	1	21	6	4	3	72	26	28	21
TOTAL	17	15	1	3	90	32	32	15	6	2	1	1	36	16	4	4	149	65	38	23

PASS OFFICE ANALYSIS

	Borough	Out-of-Borough	Total
Total X-Rayed	7,473	7,036	14,509
Suspect P.T.B.	104	92	196

FOLLOW-UP RESULTS

	Borough	Out-of-Borough	Total
1A. P.T.B. Active	30	26	56
1B. P.T.B. Inactive	11	12	23
2. Other Lung Conditions	1	2	3
3. Cardiac Conditions	-	-	-
4. Spinal or Thoracic Cage	-	-	-
5. N.A.D.	32	22	54
6. Other Conditions Noted	-	-	-
7. Did not Re-attend	30	30	60
TOTAL	104	92	196

VENEREAL DISEASE

CLINIC ATTENDANCES FOR THE YEAR ENDING 31st DECEMBER, 1961.

(for key) (see page) (53)	NEW CASES																TOTAL ATTENDANCES															
	EUROPEAN				BANTU				COLOURED				ASIATIC				EUROPEAN				BANTU				COLOURED				ASIATIC			
	Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
1	-	-	-	-	22	-	8	5	2	-	-	-	-	-	-	-	-	-	-	-	67	3	24	5	2	-	-	-	1	2	-	-
2	-	-	-	-	8	-	7	-	-	-	-	-	-	-	-	-	-	-	-	-	12	3	10	4	-	-	-	-	2	-	-	2
3	1	-	-	-	49	12	36	36	3	1	-	3	1	-	-	-	4	-	-	-	172	52	78	117	1	14	1	4	4	3	-	-
4	-	-	-	-	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	-	-	-	-	-	-	-	-	-	-	-
5	3	4	-	1	53	87	22	123	9	21	2	2	14	51	3	19	6	19	-	4	230	509	73	526	10	134	4	23	15	268	2	77
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	-	2	-	-	4	-	1	4	-	-	-	-	-	1	-	-	-	5	-	-	9	2	4	21	-	2	-	-	-	3	-	-
8	-	-	-	-	4	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	7	3	5	1	-	-	-	-	-	-	-	-
9	5	-	-	-	136	28	59	42	8	-	-	-	5	1	2	1	29	-	-	-	430	71	142	141	11	1	-	-	11	3	4	1
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	2	6	7	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	1	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	1	-	-	-	-	-	-	-	-
15	-	-	-	-	11	4	7	4	-	-	-	-	-	-	-	-	-	-	-	-	26	8	13	12	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	1	-	-	-	39	23	16	23	6	2	-	-	10	5	-	-	18	1	-	-	65	49	29	58	4	5	-	-	12	20	-	5
18	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	4	1	1	-	-	-	-	-	-	-	-
Total	10	6	-	1	340	155	162	240	28	24	2	5	30	58	5	20	57	25	-	4	1040	706	390	894	28	156	5	27	45	299	6	85

19 Disch. on Probn.	1	1	-	1	102	69	31	75	4	7	1	1	4	10	-	3
20 Disch. Finally	3	3	-	-	98	51	41	65	6	8	-	2	4	31	-	7

V.D. CLINIC DEFAULTER INVESTIGATIONS.

	EUROPEAN		BANTU		COLOURED		ASIATIC	
	M	F	M	F	M	F	M	F
UNABLE TO TRACE	-	2	54	32	-	1	-	3
RETURNED TO CLINIC	-	-	36	88	-	3	-	9
DID NOT RETURN	2	-	22	8	-	-	-	2
TOTAL OFF DEFAULTERS	2	2	212	128	-	4	-	14
NO. OF VISITS	-	4	218	137	-	4	-	20
RETURNED TO CLINIC								
At Request of Health Visitor or Native Health Assistant								
1) Following personal visits	-	4	218	137	-	4	-	20
2) Following letters	-	-	-	-	-	-	-	-
3) Following telephone calls	-	-	5	4	-	-	-	-
4) Following accidental encounter	-	-	20	10	-	-	-	3
Supplementary Visits by Health Visitor (in case of Native Health Assistants.)								
1) Employer telephoned	-	-	8	4	-	-	-	-
2) Employer visited	-	-	13	12	-	-	-	-
3) Defaulters visited	2	2	58	31	-	12	-	-
REASONS FOR DEFAULTING								
No reason	-	-	14	5	-	-	-	-
Unable to pay transport	-	-	2	2	-	2	-	2
Left City	-	-	30	9	-	-	-	2
Hours of work prevent attendance	-	-	46	16	-	-	-	-
Clinic Hours Unsuitable:								
Prefer morning clinic	-	-	-	-	-	-	-	-
Prefer afternoon Clinic	-	-	-	-	-	-	-	-
Prefer evening Clinic	-	-	-	-	-	-	-	-
Prefer Saturday morning Clinic	-	-	-	-	2	-	-	-
Thought him / herself cured	2	-	36	23	-	-	-	6
Races not separated enough at Clinic	-	-	-	-	-	-	-	-
Clinic not private enough	-	-	-	-	-	-	-	-
Reaction to Injections	-	2	4	-	-	-	-	-
Illness	-	-	12	11	-	-	-	-
Other reasons	-	-	32	37	-	2	-	4

V.D. HOSPITAL RETURNS	BANTU				COLOUREDS				ASIATICS			
	New Cases				New Cases				New Cases			
	Bor.		O/B.		Bor.		O/B.		Bor.		O/B.	
	M	F	M	F	M	F	M	F	M	F	M	F
1. Seroneg. Prim.Syphilis	29	1	27	2	1							
2. Seropos. Prim.Syphilis	18	3	33	12	1							
3. Secondary Syphilis	35	31	82	124			2	2				
4. Tertiary Syph. (Clinical)												
5. Endosyphilis (Serological)		1										
6. Neurosyphilis												
7. Cong. Syph. under 1 year	1		4	2								
8. Cong. Syph. over 1 year												
9. Gonorrhoea	27	1	25	8					1		2	
10. G.C. Vulvo-vaginitis												
11. G.C. Ophthalmia												
12. Ulcus Molle			4	2								
13. Lymph. Venereum			2									
14. Gran. Venereum												
15. Venereal Warts	10	2	11	8								
16. Phagedaena			1	1								
17. Suspected V.D.	10	1	19	15								

	BANTU	MALE	FEMALE	COL.	MALE	FEMALE	AS.	MALE	FEMALE
No. admitted during year	Bor.	127	39	Bor.	2	2	Bor.	1	-
	O/B.	208	161	O/B.	2	-	O/B.	2	-
No. suffering from 2 or more Venereal Diseases	Bor.	3	-	Bor.	1	-	Bor.	-	-
	O/B.	5	3	O/B.	-	-	O/B.	-	-

VENEREAL DISEASE Continued.

KEY TO VENEREAL DISEASE CLINIC AND HOSPITAL RETURNS.

1. Seronegative Primary Syphilis.
2. Seropositive Primary Syphilis.
3. Secondary Syphilis.
4. Tertiary Syphilis (clinical).
5. Latent Syphilis (Serological)
6. Neurosyphilis
7. Congenital Syphilis under 1 year.
8. Congenital Syphilis over 1 year.
9. Gonorrhoea.
10. Gonococcal Vulvo Vaginitis.
11. Gonococcal Ophthalmia.
12. Chancroid.
13. Lymphogranuloma Venereum.
14. Granuloma Inguinale.
15. Venereal Warts.
16. Non-Specific Urethritis.
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 : 4. FEMALE : 3. TOTAL : 7.

VENEREAL DISEASE HOME VISITS.

	European	Bantu	Coloured	Asiatic	Total	
	M : F	M : F	M : F	M : F	M : F :	PERSONS
1961	- : 2	543 : 528	1 : 5	- : 2	544 : 537	1,081

VENEREAL DISEASE Cont'd.

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

YEAR ENDING 31st DECEMBER, 1961.

	STAGE OF PREGNANCY																							
	1 - 3 Months								4 - 6 Months								7 - 9 Months							
	Eur.		Bantu		Col.		As.		Eur.		Bantu		Col.		As.		Eur.		Bantu		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							4	3	2		4	4	2	1	14	1	4		66	100	15	9	45	17
No. of Positive or Doubtful Reactors							2	3	2		3	2	2	1	11	1	4		66	93	15	8	40	17
No. of those who had previously received treatment														1	2						1			1
No. undergoing a First Course of treatment during pregnancy							4	3	2		4	4	2	1	14	3	4		21	39	3	1	10	5
No. undergoing a 2nd or 3rd Course of treatment during pregnancy													1	1					1		1			

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

	Borough Cases					Out-of-Borough Cases					Total Cases Borough and Out-of-Borough
	E	B	C	A	Total	E	B	C	A	Total	
Scarlet Fever	18	1	-	-	19	1	-	-	-	1	20
Measles	9	5	-	-	14	3	15	2	-	20	34
Diphtheria	13	4	-	4	21	10	110	3	2	125	146
Mumps	11	2	-	-	13	-	5	-	-	5	18
Whooping Cough	5	1	-	-	6	-	6	1	-	7	13
Chicken Pox	21	1	-	-	22	2	2	-	-	4	26
C.S. Fever	-	-	-	-	-	-	-	1	-	1	1
Meningitis (Virus etc.)	3	-	-	-	3	1	-	-	-	1	4
German Measles	1	-	-	-	1	-	-	-	-	-	1
Erysipelas	-	-	-	-	-	-	-	-	-	-	0
Pulmonary Tuberculosis	-	46	4	13	63	-	56	6	3	65	128
Poliomyelitis	2	-	-	-	2	2	4	-	-	6	8
Typhoid Fever	-	-	-	-	-	1	-	-	-	1	1
Boarder with Mother	-	2	-	-	2	-	-	-	-	-	2
Poliomyelitis Vaccine Reaction	1	-	-	-	1	-	-	-	-	-	1
Vaginitis	1	-	-	-	1	-	-	-	-	-	1
Conjunctivitis	1	-	-	-	1	-	-	-	-	-	1
Influenza	-	1	-	-	1	-	-	-	-	-	1
TOTAL :	86	63	4	17	170	20	198	13	5	236	406

ISOLATION HOSPITAL AND NON-EUROPEAN INFECTIOUS DISEASES HOSPITAL

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

BOROUGH CASES

In 6 cases (4 Eur., 2 Bantu) diagnosis Diphtheria altered to Tracheitis or Pharyngitis or Laryngitis or Tonsillitis.
In 2 cases (Eur.) diagnosis Diphtheria altered to Diphtheria Carrier.
In 1 case (Bantu) diagnosis Measles altered to Malnutrition and Pneumonia.
In 1 case (Eur.) diagnosis Meningitis altered to Aseptic Meningitis.
In 1 case (Eur.) diagnosis Meningitis altered to Otitis Media.
In 1 case (Eur.) diagnosis Poliomyelitis altered to P.U.O.
In 1 case (Bantu) diagnosis Scarlet Fever altered to Tonsillitis.
In 1 case (Eur.) diagnosis Scarlet Fever altered to Coryza.
In 1 case (Eur.) diagnosis Whooping Cough altered to Cough.
In 1 case (Eur.) diagnosis Whooping Cough altered to Influenza.
In 1 case (Bantu) diagnosis Influenza altered to P.U.O.

OUT-OF-BOROUGH CASES

In 6 cases (1 Eur., 5 Bantu) diagnosis Diphtheria altered to Pharyngitis/Tracheo Bronchitis/Bronchitis/Laryngitis.
In 1 case (Bantu) diagnosis Diphtheria altered to P.U.O.
In 2 cases (Bantu) diagnosis Diphtheria altered to Thrush/Vincent's Angina/Stomatitis.
In 1 case (Bantu) diagnosis Diphtheria altered to T.B. Cervical Adenitis.
In 1 case (Bantu) diagnosis Diphtheria altered to Measles.
In 5 cases (2 Eur., 3 Bantu) diagnosis Diphtheria altered to Tonsillitis.
In 1 case (Eur.) diagnosis Meningitis altered to Influenza.
In 1 case (Bantu) diagnosis Poliomyelitis altered to Rheumatic Fever.
In 1 case (Eur.) diagnosis Poliomyelitis altered to Traumatic Paralysis.
In 1 case (Eur.) diagnosis Typhoid Fever altered to P.U.O.
In 1 case (Bantu) diagnosis Pulmonary Tuberculosis altered to Pellagra.
In 1 case (Eur.) diagnosis Scarlet Fever altered to Influenza.

INFANT WELFARE

1. INFANT CLINICS

	European	Bantu	Coloured	Asiatic
NEW CASES:				
Under 1 Year	729	652	224	686
Over 1 Year	6	10	7	1
TOTAL:	735	662	231	687
ATTENDANCES:				
Under 1 Year	7,187	7,078	1,781	7,841
Over 1 Year	574	1,572	503	1,300
TOTAL:	7,761	8,650	2,284	9,141
Number on Register	1,035	1,268	440	1,371
Average Attendance per person	7.5	6.8	5.2	6.7

2. HOME VISITS

	European	Bantu	Coloured	Asiatic	Total
Ante-Natal	-	93	-	144	237
First Visits-(Notified Births)	637	430	159	743	1,969
Re-Visits - under 1 year	487	1,119	515	866	2,987
Re-Visits - over 1 year	688	1,909	931	2,672	6,200
Infectious Disease (Non-T.B.)	81	8	-	4	93
Protected Infants	-	6	-	-	6
Pediculosis & Scabies Visits	0	2	0	0	2
Infantile Mortality Visits	6	65	1	25	97
Other Home Visits	35	24	-	179	238
TOTAL:	1,934	3,656	1,606	4,633	11,829

3. MILK DISTRIBUTED

	European	Bantu	Coloured	Asiatic	Total
Fresh - Pints	3,033	13,279	3,042	11,017	30,371
Dried - lbs.	166	2,653	332	2,368	5,519

FOODSTUFFS

SAMPLES TAKEN AND SUBMITTED FOR ANALYSIS

1. MILK

(a) Bacteriological Examination - Breed Counts:

Samples with less than 30,000 bacteria per c.c.	:	57
Samples with between 30,000 and 200,000 bacteria per c.c.	:	71
Samples with more than 200,000 bacteria per c.c.	:	6
TOTAL	:	134

(b) Bacteriological Examination - Plate Counts:

Samples with less than 30,000 bacteria per c.c.	:	30	(inc. 4 Pasteurised)
Samples with between 30,000 and 200,000 bacteria per c.c.	:	14	(inc. 3 Pasteurised)
Samples with more than 200,000 bacteria per c.c.	:	18	
TOTAL		62	(inc. 7 Pasteurised)

(c) Bacteriological Examination - Faecal B. Coli:

Samples with Faecal B. Coli absent	:	39	(inc. 6 Pasteurised)
Samples with Faecal B. Coli present 1/10 c.c.	:	19	(inc. 1 Pasteurised)
Samples with Faecal B. Coli present 1/100 c.c.	:	18	
Samples with Faecal B. Coli present in less than 1/100 c.c.	:	13	
TOTAL	:	89	(incl. 7 Pasteurised)

(d) Bacteriological Examination - Resazurin Test:

No.of Samples reported satisfactory	:	107
No.of Samples reported Fair	:	22
No.of Samples reported Poor	:	2
TOTAL	:	131

(e) Chemical Examination (By Government Analyst).

Samples with Solids-Not-Fat 8.5% and over	:	31
Samples with Solids-Not-Fat over 8% and under 8.5%	:	1
Samples with Solids-Not-Fat below 8%	:	0
TOTAL	:	32

Samples with Butter Fat 3% and over	:	32
Samples with Butter Fat under 3%	:	0
TOTAL	:	32

(f) Phosphatase Testing of Pasteurised Milk:

Samples sufficiently heat treated	:	387
Samples not sufficiently heat treated	:	12
TOTAL	:	399

2. 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			Boreholes			Rain Water Tanks			Other Water Supplies (Springs/Wells)			Municipal Swimming Baths			Other Swimming Baths		
	Incubation Period		Differential Test (faecal) 48 hrs.	Incubation Period		Differential Test (faecal) 48 hrs.	Incubation Period		Differential Test (faecal) 48 hrs.	Incubation Period		Differential Test (faecal) 48 hrs.	Incubation Period		Differential Test (faecal) 48 hrs.	Incubation Period		Differential Test (faecal) 48 hrs.
	24 hrs.	48 hrs.		24 hrs.	48 hrs.		24 hrs.	48 hrs.		24 hrs.	48 hrs.		24 hrs.	48 hrs.		24 hrs.	48 hrs.	
Class I (Highly Sat. 0)	192	172	-	3	2	-	-	-	-	2	1	-	10	8		1	1	
Class II (Satis. 1 - 2)	39	38	-	1	1	-				-	1	-		2				
Class III (Suspicious 3-10)	13	27	-	1	1	-				5	3							
Class IV (Unsat. (over 10)	4	10	-	-	1	-				1	3	1						

FOODSTUFFS CONDEMNED AS UNFIT FOR HUMAN CONSUMPTION

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

Albacore	84 ozs.
Asparagus	10½ ozs.
Apricots	1 lb. & 14 ozs.
Bush buck	1 (106 lbs.)
Barley	5 lbs.
Bananas	19 boxes
Bringals	1 pocket
Beetroot	16 lbs.; 4 poc.
Budgie Seed	28 ozs.
Beans - Green	153 pock.; 73 boxes; 3 lbs. & 393½ ozs.
Beans - Baked	2 lbs. & 43 ozs.
Cordials	4 doz.
Cocoanut	130 lbs.
Caraway Seed	1 carton
Chillies	10 trays
Chutney	1 bot.; 21 ozs.
Cherries	2 lbs.
Chocolates	1 box
Cocoa	3 lbs.
Currants	1 lb.
Cucumbers (pickled)	1 lb. 13 oz.
Cereals	11 lbs. 8 ozs.
Cabbages	28 bags; 2 poc.
Castor Sugar	2 lbs.
Corn Crumbs	8 ozs.
Dried Fruit	18 cartons
Eggs	$115\frac{10}{12}$ doz.
Fowls - dressed	9
Fowls	18
Fish - fresh	381 lbs.
Fish paste	6 oz.
Fish - pickled	1750 ozs.
Fish - tinned	13 lbs.; 4861¾ ozs.; & 1192 tins
Fruit - dried	18 cartons
Fruit Salad	42 ozs.
Fruit Juice	11 lbs. & 236 ozs.
Granadillas	409½ ozs.
Grapefruit	4 lbs.; 52 ozs.; 67½ poc.
Grapes	1 tray
Gelatine	8 ozs.
Guavas	49 lbs.; 637 ozs.
Herrings	504 ozs.
Horse Radish	10 ozs.
Jam	18 tins; 3 lbs.
Jelly	5 lbs.
Kipper Snacks	3¼ ozs.
Kippers	3¼ ozs.
Lemon Curd	29 ozs.
Lemons	195 pockets

Meat .../

FOODSTUFFS CONDEMNED Cont'd.

Meat - fresh	13½ ozs.
Meat - paste	3 ozs.
Meat - corned	848 ozs.
Meat - tinned	2 tins
Milk - condensed	43 ozs.
Milk - evaporated	2 lbs. 14½ ozs.
Maltabella	14 pkts.
Molasses	5 tins
Mealie Meal	3 lbs.
Mushrooms	8 ozs.
Melon Preserve	2 lbs.
Mandarins	180 trays
Marmalade	34 tins
Mayonnaise	187 bottles
Nougat	84 doz. bars
Ovaltine	8 ozs.
Orange - segments	1 lb. 14 ozs.
Oranges	17 pockets
Oats	22 lbs.
Onions	1 poc. & 70 ozs.
Pears	2 cases; 6 lbs. & 54 ozs.
Potatoes	122 pockets
Peaches	27 trays; 1 box; 9 lbs. & 109 ozs.
Paw Paws	6 boxes
Peas	13 pockets; 1 lb. & 512½ ozs.
Popcorn	26 pkts.; 1 lb.
Peanuts	46 doz. pkts.
Pickles	60 ozs.
Peanut Butter	3 bottles
Pineapples	15 lbs. & 142 ozs.
Pineapple Juice	1088 ozs.
Puddings	1; 10½ ozs.
Plums	8 lbs.; 12 ozs.
Prunes	2 lbs.
Raisins	23 lbs.
Raisins and nuts	48 lbs.
Ravioli	182 ozs.
Raspberries	15 ozs.
Rice	2 lbs.
Rye Bread	2 lbs.
Rusks	4 oz.
Sweetcorn	4 lbs.; 21½ ozs.
Sweets	10 boxes
Sultanas	9 lbs.
Snoek Roes	8 ozs.
Sheep's Head	1
Sausages	2 lbs.
Shrimps	7½ ozs.
Spanspek	13 boxes
Soups	1 pkt.; 2 lbs. 31 ozs.
Sauerkraut	3 lbs.; 39 ozs.
Tomato Puree	2 lbs.; 41 ozs.
Tomato Paste	52 ozs.
Tomatoes	40 boxes; 2 lbs. 19 oz.
Tomato Sauce	169 ozs.

Unlabelled .../

FOODSTUFFS CONDEMNED Cont'd.

Unlabelled tins	7 tins
Watermelons	224
Xmas Puddings	12 lbs.
Youngberries	1 lb.

ABATTOIR

1. ANIMALS SLAUGHTERED:

Cattle	:	17,265
Calves	:	3,267
Sheep	:	66,597
Pigs	:	5,986
Goats	:	54
TOTAL		93,169

2. ANIMALS EXAMINED AFTER SLAUGHTER IN OTHER ABATTOIRS:

Carcases of Beef	693
Quarters of Beef	1,242
Carcases Mutton	3,519½
Carcases of Veal	3

3. INCIDENCE OF CERTAIN DISEASES:

	Carcases Examined	% Infected	Carcases Condemned	% Condemned
CATTLE - "Measles" (Cysticercus Bovis)	17,265	7.1%	226	1.3%
CALVES - "Measles" (Cysticercus Bovis)	3,267	2.4%	41	1.25%
PIGS - "Measles" (Cysticercus Cellulosae)	5,986	0.6%	28	0.5%
CATTLE - Tuberculosis	17,265	0.2%	26	0.16%
CALVES - Tuberculosis	3,267	.003%	1	.003%
PIGS - Tuberculosis	5,986	1.9%	4	0.07%

4. SUMMARY OF MEAT CONDEMNED:

	Carcases	Estimated Weight
BEEF:	490	196,000 lbs.
BEEF: Portions of Carcases, Organs, etc.	-	290,067 lbs.
VEAL:	112	4,480 lbs.
VEAL: Portions of Carcases, Organs, etc.	-	2,726 lbs.
PORK:	53	6,360 lbs.
PORK: Organs, etc.	-	8,195 lbs.
SHEEP, GOATS & LAMBS:	81	2,835 lbs.
SHEEP, GOATS & LAMBS: Organs, etc.	-	197,199 lbs.
		707,862 lbs.

ABATTOIR Continued.

CARCASES TOTALLY CONDEMNED AS UNFIT FOR HUMAN CONSUMPTION.

Disease or Condition	Bovines	Calves	Sheep	Goats	Pigs
Adenitis (Acute & Generalised)	-	-	1	-	-
Anaplasmosis	1	-	-	-	-
Bruising	30	2	-	-	-
Bruising & C. Bovis	2	-	-	-	-
Bruising & Fever	25	-	1	-	-
Bruising & Gangrene	2	-	-	-	-
Cysticercus Bovis	223	41	-	-	-
Cysticercus Cellulosae	-	-	-	-	28
C. Bovis & Fever	1	-	-	-	-
C. Bovis & Neuro-Fibroma	3	-	-	-	-
Caseous Lymphadenitis	-	-	8	-	-
Decomposition (Imported meat)	48	-	-	-	-
Emaciation	8	2	20	-	4
Emaciation & Bruising	-	-	1	-	-
Emaciation & Hepatitis (acute)	1	-	-	-	-
Emaciation & Oedema	6	4	-	-	-
Emaciation & Pneumonia	1	1	-	-	-
Emaciation & Pyaemia	1	-	-	-	-
Em-physema (Generalised)	2	-	-	-	-
Enteritis (Acute) & Fever	1	-	-	-	-
Fractures (Multiple)	-	-	-	-	1
Gangrene	1	1	-	-	-
Icterus	6	12	6	-	-
Icterus & Melanosis	1	-	-	-	-
Mastitis (Gangrenous)	1	-	-	-	-
Mastitis (Septic)	11	-	-	-	-
Metritis (Septic)	1	-	-	-	-
Moribund	1	-	4	-	-
Neuro Fibroma	16	-	-	-	-
Oedema	18	6	5	-	1
Peritonitis (Acute)	2	-	-	-	-
Peritonitis (Acute) & Pleurisy	2	-	-	-	-
Pericarditis (Septic)	-	-	-	-	-
Peritonitis (Gangrenous)	-	-	1	-	-
Peritonitis (Septic)	5	1	2	-	-
Pleurisy (Septic)	2	-	1	-	-
Pleurisy (Septic) & Peritonitis	1	-	-	-	-
Pneumonia	-	8	-	-	-
Pneumonia (Gangrenous)	-	-	1	-	-
Pneumonia & Oedema	-	1	-	-	-
Pneumonia (Septic)	9	3	1	-	-
Pneumonia (Septic) & Peritonitis	1	-	-	-	-
Pyaemia	15	-	2	-	1
Pyaemia (Umbilical)	-	11	-	-	-
Pyelo Nephritis (Bilateral)	1	-	-	-	-
Sarcoma	1	-	-	-	-
Sarcosporidiosis	4	-	-	-	9
Tuberculosis	26	-	-	-	3
Tuberculosis (Congenital)	-	1	-	-	-
Tuberculosis & Mastitis (Septic)	1	-	-	-	-
Tuberculosis & Pericarditis	-	-	-	-	1
Underdevelopment	-	10	5	-	2
Undefined Fevers	9	8	22	-	3
	490	112	81	-	53

VISCERA AND PORTIONS OF CARCASES CONDEMNED AS UNFIT FOR HUMAN CONSUMPTION.

	Bovines	Calves	Sheep & Goats	Pigs.
Heads	1607	151	82	111
Hearts	916	188	13054	1262
Intestines	1522	151	36667	172
Kidneys	3170	224	262	142
Livers	6640	219	31947	1840
Lungs (Pairs)	2482	255	13010	1262
Spleens	1518	151	12973	172
Tails	563	-	-	-
Tongues	818	151	82	111
Tripes	1577	151	81	172
Portions Estimated Weights	15417 lbs.	50 lbs.	1000 lbs.	200lbs.

LOCALISED INFECTIONS:

3 Cattle Heads condemned due to LOCALISED Tuberculosis infection.
3 " Tongues " " " " " "
9 " Lungs with Hearts " " " " " "
111 Pig Heads with Plucks " " " " " "

94 Cattle Heads condemned due to LOCALISED Actinomycotic Lesions.
93 " Tongues " " " " " "

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	14	15	16
Applications Received	1	232	20	20	13	263	368	68	17	371	209	186	44	3	2	2
Applications Approved	1	230	19	19	11	234	349	56	17	340	202	167	38	3	2	17
Applications Approved Subject to Requirements	-	2	1	1	1	29	19	5	-	23	4	12	3	-	-	4
Applications Disapproved	-	-	-	-	-	1	10	2	-	8	3	7	3	-	-	1
Applications Withdrawn	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-

Key to Table:-
1. Apothecary.
2. Boarding Houses, Butchers, Building Contractors.
3. Cobbler and Contractor.
4. Depot, Dressmakers, Dry Cleaners and Dealers.
5. Entertainment and Eating Houses.
6. Fresh Produce, Fumigator and Flats.
7. General Dealer, Garage.
8. Hairdresser and Hawker.
9. Laundry.
10. Manufacturer, Mineral Water Dealer and Milk Purveyor.
11. Pedlar, and Patent Prop. Medicines.
12. Refreshment Room.
13. Storage and Speculator.
14. Tailors.
15. Undertakers.
16. Warehouses.

(2) Applications dealt with under Urban Areas Act.

Applications Received	300
Applications Returned "Not in Order"	23
Applications Returned with requirements	80
Applications Approved for Temporary Licence .	-
Applications Withdrawn	-

SANITATION

Total of Inspections (General) carried out	22,147
Total of Rodent Inspections	1,785
Total of Notices and Letters served re Contravention of By-Laws	2,983

INSPECTIONS (GENERAL) GIVEN IN DETAIL

1.	Public Markets	309
2.	Butchers' Shops	189
3.	Dealers and General Dealers (Food)	1,205
4.	Dealers and General Dealers (No Food)	217
5.	Fish and Poultry Shops	117
6.	Food Sampling	505
7.	Condemnation of Foodstuffs	15
8.	Bakehouses	46
9.	Milkshops (Purveyors of Milk)	65
10.	Ice Cream (Distributors and Manufacturers of)	20
11.	Tea Shops, Cafes, Restaurants and Eating Houses	544
12.	Residential Hotels, Boarding Houses	235
13.	Aerated Water Manufacturers	3
14.	Other places where food is manufactured	53
15.	Hawkers' Premises	205
16.	Hawkers' Carts	100
17.	Butchers' Carts and Carriers	4
18.	Milk Delivery Carts and Ice Cream Carts	4
19.	Milk Depots and Pasteurising Plants	242
20.	Bakers' Carts	6
21.	Theatres and Bioscopes	78
22.	Smoke Nuisance	127
23.	Common Lodging Houses	340
24.	Barracks	115
25.	Native Quarters	442
26a.	Structural Defects in Premises	1,136
26b.	Defective Washing Areas	70
26c.	Defective Sanitary Fittings	270
27.	Other House Inspections	2,237
	c/forward	8,899

SANITATION Cont'd.

	b/forward	8,899
28a.	Undrained Premises	150
28b.	Defective Storm and Waste Water Drains	315
29.	Hairdressers	93
30.	Laundries	111
31.	Schools	13
32.	Factories and Workshops	113
33.	Builders Yards	139
34.	Wood and Coal Yards	33
35.	Courts, Lanes and Alleys	358
36.	Vacant Ground	475
37.	Piggeries	12
38.	Horse Stables	52
39.	Cowkeepers Premises	78
40.	Dairy Stables and Dairies	729
41.	Hide and Skin Merchants' Premises	45
42.	Poultry Keepers	791
43.	Infectious Diseases Visits	554
44.	Malaria and Mosquito Inspections, etc.	1,039
45.	Malaria-Permanent Works, Drains, Tree Planting, etc.	139
46.	Public Sanitary Conveniences	39
47.	Sanitary Conveniences	177
48.	Septic Tanks, French Drains, etc.	54
49.	Pail Privies	200
50.	Pit Privies	154
51.	Refuse and Refuse Bins	1,459
52.	Refuse Tips	61
53.	Other Visits	1,238
54.	Premises Fumigated for Vermin	113
55.	Other Visits in Connection with Fumigation	21
56.	Disinfections	1
57.	Disinfection of Bedding and Clothing	11
	c/forward	17,666

SANITATION Cont'd.

	b/forward	17,666
58.	Rodent Inspections by Rodent Inspector	1,733
	(a) Rodent trapping operations 23)	
	(b) Rodent gassing operations 14)	
	(c) Rodent poisoning operations 236)	
	(d) Inspections of New Buildings for Rodetn proofing 106)	
	(e) Other Rodent Inspections by Rodent Inspector 1,354)	
59.	Other Rodent Inspections by Health Inspectors	52
60.	Interviews and Complaints	297

REPORTS FOR TRANSMISSION TO OTHER MUNICIPAL DEPARTMENTS

(1) CITY ENGINEER'S DEPARTMENT.

61.	Blocked Sewers, etc.	46
62.	Street Drains	94
63.	Defective Water Fittings	39
64.	Defective Surface and Waste Water Drains	56
65.	Other Defects	36
66.	Unauthorised Structures	99
67.	Sites, etc. re Plans	600
68.	Water Sampling	9

(2) MUNICIPAL BANTU ADMINISTRATION DEPARTMENT.

69.	Licensing and Other Inspections of Premises under Urban Areas Act.	351

(3) LICENSING DEPARTMENT.

70.	Inspection of Premises re Licence Applications	1,069

(4) GENERAL.

71.	Other transportation trips	81
	TOTAL :	22,228

PROSECUTIONS

Total number of Prosecutions instituted	17
Under Public Health By-Laws (either separately or in conjunction with contraventions of House Drainage; Building; and Sanitary By-Laws)	10
Under Dairy By-Laws	2
Under Food, Drugs & Disinfectants Act	1
Under By-Laws relating to Preparation, Storage & Sale of Foodstuffs	2
Under Sanitary By-Laws	0
Under Public Health Act	2
Under Abattoir By-Laws	0
Under House Drainage By-Laws	0
Under General By-Laws	0
TOTAL	17
Total number in which accused found guilty and penalty imposed	13
Total number found not guilty, complied with, acquitted or withdrawn	4
TOTAL	17

CONDEMNED PREMISES

Rooms and Buildings Condemned and/or Demolished.

(a) Under Public Health By-Law No. 17: (Demolition Orders)	36
(Of these premises 25 were demolished during the year, 2 converted to use as a coal bin and a store-room and 9 structures not yet demolished.)	
(b) Under Building By-Laws re dilapidated buildings	0
(c) Under Slums Act	0
(d) Voluntary Demolitions	32
TOTAL	68

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