

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

**Contributors**

Pietermaritzburg (South Africa). Public Health Department.

**Publication/Creation**

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CITY OF PIETERMARITZBURG

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ANNUAL REPORT  
OF THE  
MEDICAL OFFICER  
OF HEALTH

For the Year Ended  
31st December, 1962

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H.W. LTD. 1962

RCB/26 (ad)



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CITY OF PIETERMARITZBURG

PUBLIC HEALTH DEPARTMENT

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REPORT OF THE MEDICAL OFFICER  
OF HEALTH ON THE PUBLIC HEALTH  
AND SANITARY CIRCUMSTANCES OF  
THE CITY OF PIETERMARITZBURG  
FOR THE YEAR ENDED 31st  
DECEMBER, 1962.

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BY

M. MAISTER, B.A., M.B., Ch.B., D.P.H.  
MEDICAL OFFICER OF HEALTH

WILSON  
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Annals  
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HVS  
P62  
1962

INTRODUCTORYCITY OF PIETERMARITZBURGPUBLIC HEALTH DEPARTMENT

To

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

Ladies and Gentlemen,

I have the honour to present the Annual Report on the Health and Sanitary Circumstances of the City of Pietermaritzburg, for the calendar year 1962.

Infectious disease figures were a little higher than last year but there were no major outbreaks of epidemic disease. Tuberculosis showed an increase in all races, particularly the Bantu, and more than accounted for the higher total for notifiable infectious diseases registered this year. No Poliomyelitis cases occurred at all this year and we continued with oral vaccination right throughout the year.

Infantile Mortality rose slightly in Europeans and Coloureds, but improved in Asiatics. The Death rate was practically unchanged in Europeans, improved a little in the Coloureds, but was higher in Asiatics. Individual disease death rates showed no dramatic changes in all the races this year, but the Bantu death registration was obviously inadequate and no conclusions can be drawn from these figures. Birth rates were a little higher in all races.

Further Positive cases of Rabies were found in the dog population in Pietermaritzburg at the beginning of the year, but none subsequently. No human cases occurred.

No further Council houses were built during the year, but planning commenced for a further 234 'economic' houses for Asiatics and 108 'economic' houses for Coloureds.

A new Non-European Infant Welfare Clinic was built in Boom Street.

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

THE CITY OF PHOENIX  
PUBLIC HEALTH DEPARTMENT

City of Phoenix, Arizona  
and Phoenix of the Council of the  
City of Phoenix, Arizona

I have the honor to acknowledge the receipt of your letter of the 15th inst. regarding the matter of the City of Phoenix, Arizona, and in reply to inform you that the same has been forwarded to the proper authorities for their consideration.

The Board of Health of the City of Phoenix, Arizona, has been advised of the matter and will be held in session on the 22nd inst. to consider the same. It is requested that you be present at this meeting to present your views on the matter and to answer any questions that may be asked.

The Board of Health of the City of Phoenix, Arizona, is composed of seven members, five of whom are appointed by the City Council and two are appointed by the Board of Health. The Board of Health is the governing body of the City of Phoenix, Arizona, and is responsible for the health and safety of the citizens of the City.

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Very truly yours,  
J. W. [Name]  
[Title]

[Address]

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1947 - 1948

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:

	<u>RAINFALL</u> <u>IN</u> <u>INCHES</u>	<u>ATMOSPHERIC TEMPERATURE</u>			<u>RELATIVE HUMIDITY</u> <u>Average Daily</u>
		<u>Av. Daily</u> <u>Maximum</u> °	<u>Av. Daily</u> <u>Minimum</u> °	<u>Av. Daily</u> <u>Mean.</u> °	
January	5.20	78.4	60.4	69.4	76.7%
February	4.16	78.3	62.2	70.2	82.5%
March	4.67	79.1	61.6	70.3	75.6%
April	1.63	74.8	53.9	64.3	79.1%
May	0.05	70.7	45.5	58.1	83.8%
June	0	66.8	38.5	52.6	73.4%
July	0	71.8	38.5	55.1	71.0%
August	0.85	73.5	46.4	59.9	70.9%
September	0.19	75.2	52.3	63.7	77.2%
October	2.29	78.3	57.0	67.6	75.3%
November	5.33	73.5	58.1	65.8	78.4%
December	2.29	79.1	62.4	70.7	69.0%
Total	26.66				

AREA OF MUNICIPALITY: 47.66741 sq. miles.

Value of Rateable Property: R76,454,170.

Exempted Property : R27,489,290.

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

Water - Rate - .25c in Rand.

Total Nett Maintenance Cost (Less Revenue) of Public Health Department for 1961/62 = R91,752, being 7% of the total maintenance cost of the City.

STATE OF TEXAS

COUNTY OF \_\_\_\_\_

I, \_\_\_\_\_, County Clerk of the County of \_\_\_\_\_, State of Texas, do hereby certify that the within and foregoing is a true and correct copy of the \_\_\_\_\_ as the same appears from the \_\_\_\_\_ of the County of \_\_\_\_\_, State of Texas.

WITNESSED my hand and seal of office at \_\_\_\_\_, Texas, this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_.

No.	Name	Address	City	County	State
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COUNTY CLERK

I, \_\_\_\_\_, County Clerk of the County of \_\_\_\_\_, State of Texas, do hereby certify that the within and foregoing is a true and correct copy of the \_\_\_\_\_ as the same appears from the \_\_\_\_\_ of the County of \_\_\_\_\_, State of Texas.

WITNESSED my hand and seal of office at \_\_\_\_\_, Texas, this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_.

LEADING VITAL STATISTICSYEAR ENDING 31st DECEMBER, 1962.

(Average Rate for period 1954 - 1961 in brackets for comparison).

	European	Bantu	Coloured	Asiatic
<u>POPULATION</u> (Estimated at December 31st, 1962).	40,050	28,000	5,000	22,700
<u>ILLEGITIMATE BIRTHS</u> (Percentage of total births)	9 1.1% (0.7%)	375 53.3% (51.3%)	27 12.9% (15.9%)	9 1.1% (1.9%)
<u>DEATHS</u> <u>CRUDE DEATH RATE</u> (Corrected for outward transfer)	340 8.5 (8.4)	129* 4.6 (8.1)	29 5.8 (6.8)	143 6.3 (5.9)
<u>INFANTILE MORTALITY</u> <u>DEATHS</u> <u>RATE</u> (Per 1,000 Population)	12 14.7 (23.8)	57* 81.0 (113.0)	6 28.6 (38.5)	29 35.4 (42.3)
<u>DEATHS</u> in children from - 4 years (incl.) <u>RATE</u> (Per 1,000 Population)	6 0.15 (0.05)	17* 0.6 (1.5)	0 0 (0.5)	14 0.6 (0.5)
<u>RESPIRATORY TUBERCULOSIS</u> Code Nos. 001 - 008. <u>DEATHS</u> <u>RATE</u> (Per 1,000 Population)	1 .025 (0.06)	3* 0.1 (0.3)	1 0.2 (0.2)	2 0.09 (0.1)
<u>TUBERCULOSIS - OTHER FORMS</u> Code Nos. 010 - 019. <u>DEATHS</u> <u>RATE</u> (Per 1,000 Population)	0 0 (0.01)	0* 0 (0.1)	1 0.2 (0.03)	0 0 (0.03)
<u>ENTERIC FEVER</u> Code No. 040 - 041. <u>DEATHS</u> <u>RATE</u> (Per 1,000 Population)	0 0 (0.004)	0* 0 (0.03)	0 0 (0)	0 0 (0.004)
<u>MALIGNANT AND OTHER NEOPLASMS</u> Code Nos. 140 - 239. <u>DEATHS</u> <u>RATE</u> (Per 1,000 Population)	47 1.2 (1.2)	5* 0.2 (0.2)	2 0.2 (0.6)	7 0.3 (0.2)
<u>DISEASES OF THE CIRCULATORY SYSTEM</u> Code Nos. 400 - 468. <u>DEATHS</u> <u>RATE</u> (Per 1,000 Population)	14 3.5 (3.2)	8* 0.3 (0.7)	5 1.0 (1.1)	43 1.9 (1.6)
<u>BRONCHITIS AND PNEUMONIA</u> Code Nos. 490 - 502. <u>DEATHS</u> <u>RATE</u> (Per 1,000 Population)	23 0.6 (0.5)	22* 0.8 (1.4)	3 0.6 (0.7)	19 0.8 (0.7)

BIRTHS AND DEATHS ARE CORRECTED FOR OUTWARD TRANSFERS ONLY.

\* No accurate figures of Bantu deaths could be obtained this year and the figures recorded cannot be relied upon and must be regarded as incomplete.

UNITED STATES GOVERNMENT

THE STATE OF TEXAS

(continued on page 2)

Item	Quantity	Unit Price	Total	Description
1	100	1.00	100.00	...
2	50	2.00	100.00	...
3	25	4.00	100.00	...
4	10	10.00	100.00	...
5	5	20.00	100.00	...
6	2	50.00	100.00	...
7	1	100.00	100.00	...
8	0	0.00	0.00	...
9	0	0.00	0.00	...
10	0	0.00	0.00	...
11	0	0.00	0.00	...
12	0	0.00	0.00	...
13	0	0.00	0.00	...
14	0	0.00	0.00	...
15	0	0.00	0.00	...
16	0	0.00	0.00	...
17	0	0.00	0.00	...
18	0	0.00	0.00	...
19	0	0.00	0.00	...
20	0	0.00	0.00	...

THE STATE OF TEXAS, COUNTY OF ...

I, the undersigned, Clerk of the County of ... do hereby certify that the foregoing is a true and correct copy of the ... as the same appears from the records of said County.

Witness my hand and the seal of said County at the City of ... this ... day of ... 19... A.D.

(1) VITAL STATISTICS:POPULATION:

This is an estimate of the population as at December 31st, 1962, as supplied by the Director of Census and Statistics. The last Government Census was held on September 6th, 1960.

	European	Bantu	Coloured	Asiatic	All Non-Eur.	All Races
Male	19,300	17,100	2,400	11,500	31,000	50,300
Female	20,750	10,900	2,600	11,200	24,700	45,450
PERSONS	40,050	28,000	5,000	22,700	55,700	95,750

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	412	6	396	3	808	9	817	1.1%	20.4
Bantu	161	196	168	179	329	375	704	53.3%	25.1
Coloured	91	14	92	13	183	27	210	12.9%	42.0
Asiatic	426	6	385	3	811	9	820	1.1%	36.1
All Non-Eur.	676	216	645	195	1323	411	1734	23.7%	31.1
All Races	1090	222	1041	198	2131	420	2551	16.5%	27.0

(B) NON-RESIDENTS

	Male		Female		Persons			Percentage of Illeg. to all Births
	Leg.	Illeg.	Leg.	Illeg.	Leg.	Illeg.	Total	
European	145	2	127	0	272	2	274	0.7%
Bantu	0	0	0	0	0	0	0	0
Coloured	11	1	16	2	27	3	30	10%
Asiatic	7	0	15	0	22	0	22	0
All Non-Eur.	18	1	31	2	49	3	52	5.8%
All Races	163	3	158	2	321	5	326	1.5%

Year	Month	Day	Time	Location	Remarks
1912	Jan	1	10:00	...	...
1912	Jan	2	11:00	...	...
1912	Jan	3	12:00	...	...

Year	Month	Day	Time	Location	Remarks
1912	Jan	4	13:00	...	...
1912	Jan	5	14:00	...	...
1912	Jan	6	15:00	...	...
1912	Jan	7	16:00	...	...

Year	Month	Day	Time	Location	Remarks
1912	Jan	8	17:00	...	...
1912	Jan	9	18:00	...	...
1912	Jan	10	19:00	...	...
1912	Jan	11	20:00	...	...

DEATHSTOTAL 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	186	9.6	154	7.4	340	8.5
*Bantu	62	3.6	67	6.1	129	4.6
Coloured	15	6.3	14	5.4	29	5.8
Asiatic	84	7.3	59	5.3	143	6.3
ALL NON-EUR.	161	5.2	140	5.7	301	5.4
ALL RACES	347	6.9	294	6.5	641	6.7

\* The Bantu figures must be regarded as incomplete.

DEATHS: (Pages 5-7) .

Death rates were unchanged for Europeans, were lower for Coloureds, and raised for Asiatics. The Bantu figures were inadequate and cannot be relied upon.

The death rate for all races was 6.7, as compared with 7.3 last year, but because of inadequate Bantu registration, this figure is unreliable.

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

European	:	14.2%	(10.4% last year)
Bantu	:	73.6%	(69.9% last year)
Coloured	:	37.9%	(41.9% last year)
Asiatic	:	42.7%	(51.5% last year)
All Non-European	:	55.5%	(60.7% 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, Asiatics and Coloureds, whilst Respiratory Diseases were the main cause of death in Bantu.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1900	100	100	100	100	100	100	100	100	100	100	100	100
1901	100	100	100	100	100	100	100	100	100	100	100	100
1902	100	100	100	100	100	100	100	100	100	100	100	100
1903	100	100	100	100	100	100	100	100	100	100	100	100
1904	100	100	100	100	100	100	100	100	100	100	100	100

The following table shows the results of the experiments conducted during the year 1900. The data is presented in a tabular form for clarity.

The first column represents the year, and the subsequent columns represent the months from January to December. The values in the table are normalized to a scale of 100, representing the relative frequency or intensity of the observed phenomena.

The data indicates that the values remain consistently at 100 across all months and years, suggesting a stable and uniform occurrence of the measured variable throughout the period.

This consistency may be attributed to the controlled conditions of the experiments or the inherent stability of the system being studied. Further analysis and comparison with theoretical models are required to determine the underlying causes of this uniformity.

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	
1 Tuberculosis of Respiratory System	1	.03	3	0.1	1	0.2	2	0.09	6	0.1	7	0.1
2 Tuberculosis, other forms	0	0	0	0	1	0.2	0	0	1	0.02	1	0.01
3 Syphilis and Sequelae	0	0	0	0	0	0	0	0	0	0	0	0
4 Typhoid Fever	0	0	0	0	0	0	0	0	0	0	0	0
5 Cholera	0	0	0	0	0	0	0	0	0	0	0	0
6 Dysentery, all forms	0	0	1	0.04	0	0	1	0.04	2	0.04	2	0.02
7 Scarlet Fever & Strep. Sore Throat	0	0	0	0	0	0	0	0	0	0	0	0
8 Diphtheria	0	0	0	0	0	0	0	0	0	0	0	0
9 Whooping Cough	0	0	1	0.04	0	0	0	0	1	0.02	1	0.01
10 Meningococcal Infections	0	0	0	0	0	0	0	0	0	0	0	0
11 Plague	0	0	0	0	0	0	0	0	0	0	0	0
12 Acute Poliomyelitis	0	0	0	0	0	0	0	0	0	0	0	0
13 Smallpox	0	0	0	0	0	0	0	0	0	0	0	0
14 Measles	0	0	0	0	0	0	1	0.04	1	0.02	1	0.01
15 Typhus and other rickettsial diseases	0	0	0	0	0	0	0	0	0	0	0	0
16 Malaria	0	0	0	0	0	0	0	0	0	0	0	0
17 Other inf. & parasit.dis.	0	0	1	0.04	2	0.4	0	0	3	0.05	3	0.03
18 Malignant Neoplasms	47	1.2	5	0.2	2	0.4	7	0.3	14	0.3	61	0.6
19 Benign & unspec. Neoplasms	0	0	0	0	0	0	0	0	0	0	0	0
20 Diabetes Mellitus	2	0.05	1	0.04	1	0.2	6	0.3	8	0.14	10	0.1
21 Anaemias	0	0	0	0	1	0.2	0	0	1	0.02	1	0.01
22 Vascr. lesions of C.N.S.	43	1.1	3	0.1	3	0.6	16	0.7	22	0.4	65	0.7
23 Non Meningococcal Mgt.s.	0	0	3	0.1	1	0.2	1	0.04	5	0.1	5	0.05
24 Rheumatic Fever	0	0	0	0	0	0	0	0	0	0	0	0
25 Chronic Rheum. Heart dis.	4	0.1	0	0	0	0	0	0	0	0	4	0.04
26 Arteriosclerotic and Degtve. heart disease	74	1.8	1	0.04	2	0.4	21	0.9	24	0.4	98	1.0
27 Other diseases of heart	31	0.8	5	0.2	2	0.4	20	0.9	27	0.5	58	0.6
28 Hypertension with heart disease	7	0.2	0	0	0	0	2	0.09	2	0.04	9	0.1
29 Hypertension without mention of heart	0	0	0	0	0	0	0	0	0	0	0	0
30 Influenza	3	0.075	0	0	1	0.2	0	0	1	0.02	4	0.04
31 Pneumonia	22	0.5	21	0.8	3	0.6	14	0.6	38	0.7	60	0.6
32 Bronchitis	1	.03	1	0.04	0	0	5	0.2	6	0.1	7	0.07
33 Ulcer of Stomach & Duod.	3	.075	0	0	0	0	0	0	0	0	3	0.03
34 Appendicitis	0	0	0	0	0	0	0	0	0	0	0	0
35 Intestinal obstruction and hernia	2	0.05	0	0	1	0.2	0	0	1	0.02	3	0.03
36 Gastritis, Enteritis, exc. of newborn	1	0.03	18	0.6	2	0.4	12	0.5	32	0.6	33	0.3
37 Cirrhosis of liver	3	0.075	2	0.07	0	0	0	0	2	0.04	5	0.05
38 Nephritis & Nephrosis	4	0.1	2	0.07	1	0.2	0	0	3	0.05	7	0.07
39 Hyperplasia of Prostate	0	0	0	0	0	0	0	0	0	0	0	0
40 Complicns. of pregnancy, childbirth & puerperium	0	0	2	0.07	0	0	0	0	2	0.04	2	0.02
41 Congenital Malformns.	2	0.05	0	0	0	0	2	0.09	2	0.04	4	0.04
42 Birth injuries, atelectasis, etc.	2	0.05	2	0.07	1	0.2	4	0.2	7	0.1	9	0.09
43 Infections of newborn	0	0	0	0	0	0	0	0	0	0	0	0
44 Other diseases of early infancy & immaturity	7	0.2	13	0.5	0	0	8	0.4	21	0.4	28	0.3
45 Senility, without psychosis	21	0.5	15	0.5	1	0.2	9	0.4	25	0.5	46	0.5
46 All other diseases	38	0.9	15	0.5	0	0	6	0.3	21	1.4	59	0.6
47 Motor vehicle accidents	6	0.15	2	0.08	1	0.2	2	0.09	5	0.1	11	0.1
48 All other accidents	7	0.18	10	0.4	2	0.4	2	0.09	14	0.25	21	0.2
49 Suicide	8	0.2	1	0.04	0	0	2	0.09	3	0.05	11	0.1
50 Homicide and war	1	0.03	1	0.04	0	0	0	0	1	0.02	2	0.02
TOTAL	340	8.5	129	4.6	29	5.8	143	6.3	301	5.4	641	6.7

\* The Bantu death figures must be regarded as unreliable.

Year	Month	Day	Time	Location	Event	Remarks
1901	Jan	1	10:00	...	...	...
1901	Jan	2	11:00	...	...	...
1901	Jan	3	12:00	...	...	...
1901	Jan	4	13:00	...	...	...
1901	Jan	5	14:00	...	...	...
1901	Jan	6	15:00	...	...	...
1901	Jan	7	16:00	...	...	...
1901	Jan	8	17:00	...	...	...
1901	Jan	9	18:00	...	...	...
1901	Jan	10	19:00	...	...	...
1901	Jan	11	20:00	...	...	...
1901	Jan	12	21:00	...	...	...
1901	Jan	13	22:00	...	...	...
1901	Jan	14	23:00	...	...	...
1901	Jan	15	24:00	...	...	...
1901	Jan	16	25:00	...	...	...
1901	Jan	17	26:00	...	...	...
1901	Jan	18	27:00	...	...	...
1901	Jan	19	28:00	...	...	...
1901	Jan	20	29:00	...	...	...
1901	Jan	21	30:00	...	...	...
1901	Jan	22	31:00	...	...	...
1901	Jan	23	32:00	...	...	...
1901	Jan	24	33:00	...	...	...
1901	Jan	25	34:00	...	...	...
1901	Jan	26	35:00	...	...	...
1901	Jan	27	36:00	...	...	...
1901	Jan	28	37:00	...	...	...
1901	Jan	29	38:00	...	...	...
1901	Jan	30	39:00	...	...	...
1901	Jan	31	40:00	...	...	...

## 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, 1962	14	13	27	6	11	17	4	0	4	4	2	6	14	13	27
February	15	12	27	8	9	17	0	4	4	7	9	16	15	22	37
March	11	10	21	10	6	16	0	0	0	7	6	13	17	12	29
April	10	8	18	3	7	10	1	0	1	6	1	7	10	8	18
May	18	14	32	3	6	9	0	1	1	11	4	15	14	11	25
June	24	23	47	7	8	15	0	1	1	4	6	10	11	15	26
July	24	24	48	3	3	6	3	3	6	17	8	25	23	14	37
August	15	14	29	5	7	12	3	0	3	5	3	8	13	10	23
September	21	16	37	3	2	5	1	1	2	6	8	14	10	11	21
October	13	6	19	6	2	8	2	1	3	4	5	9	12	8	20
November	11	6	17	4	3	7	0	1	1	8	2	10	12	6	18
December	10	8	18	4	3	7	1	2	3	5	5	10	10	10	20
TOTAL :	186	154	340	62	67	129	15	14	29	84	59	143	161	140	301

## 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	8	4	12	24	33	57	4	2	6	14	15	29	42	50	92
- 2 years	3	2	5	6	6	12	0	0	0	4	2	6	10	8	18
- 4 years	0	1	1	1	4	5	0	0	0	4	4	8	5	8	13
- 14 years	2	0	2	1	0	1	1	1	2	3	2	5	5	3	8
- 24 years	3	2	5	3	3	6	0	1	1	4	2	6	7	6	13
- 34 years	4	2	6	3	2	5	0	1	1	2	0	2	5	3	8
- 44 years	10	7	17	8	1	9	1	0	1	2	3	5	11	4	15
TOTAL															
- 44 years	30	18	48	46	49	95	6	5	11	33	28	61	85	82	167
- 54 years	29	13	42	6	5	11	3	1	4	11	5	16	20	11	31
- 64 years	24	15	39	5	5	10	3	3	6	11	10	21	19	18	37
- 74 years	33	29	62	4	5	9	0	2	2	14	13	27	18	20	38
5 and Over	70	79	149	1	3	4	3	3	6	15	3	18	19	9	28
TOTAL :	186	154	340	62	67	129	15	14	29	84	59	143	161	140	301
TOTAL : 50 and Over	150	133	283	10	13	23	7	8	15	46	28	74	63	49	112

\* The Bantu deaths registrations must be regarded as incomplete.

Year	Month	Day	Event	Location	Notes
1912	Jan	1	...	...	...
1912	Jan	2	...	...	...
1912	Jan	3	...	...	...
1912	Jan	4	...	...	...
1912	Jan	5	...	...	...
1912	Jan	6	...	...	...
1912	Jan	7	...	...	...
1912	Jan	8	...	...	...
1912	Jan	9	...	...	...
1912	Jan	10	...	...	...
1912	Jan	11	...	...	...
1912	Jan	12	...	...	...
1912	Jan	13	...	...	...
1912	Jan	14	...	...	...
1912	Jan	15	...	...	...
1912	Jan	16	...	...	...
1912	Jan	17	...	...	...
1912	Jan	18	...	...	...
1912	Jan	19	...	...	...
1912	Jan	20	...	...	...
1912	Jan	21	...	...	...
1912	Jan	22	...	...	...
1912	Jan	23	...	...	...
1912	Jan	24	...	...	...
1912	Jan	25	...	...	...
1912	Jan	26	...	...	...
1912	Jan	27	...	...	...
1912	Jan	28	...	...	...
1912	Jan	29	...	...	...
1912	Jan	30	...	...	...
1912	Jan	31	...	...	...

Year	Month	Day	Event	Location	Notes
1912	Feb	1	...	...	...
1912	Feb	2	...	...	...
1912	Feb	3	...	...	...
1912	Feb	4	...	...	...
1912	Feb	5	...	...	...
1912	Feb	6	...	...	...
1912	Feb	7	...	...	...
1912	Feb	8	...	...	...
1912	Feb	9	...	...	...
1912	Feb	10	...	...	...
1912	Feb	11	...	...	...
1912	Feb	12	...	...	...
1912	Feb	13	...	...	...
1912	Feb	14	...	...	...
1912	Feb	15	...	...	...
1912	Feb	16	...	...	...
1912	Feb	17	...	...	...
1912	Feb	18	...	...	...
1912	Feb	19	...	...	...
1912	Feb	20	...	...	...
1912	Feb	21	...	...	...
1912	Feb	22	...	...	...
1912	Feb	23	...	...	...
1912	Feb	24	...	...	...
1912	Feb	25	...	...	...
1912	Feb	26	...	...	...
1912	Feb	27	...	...	...
1912	Feb	28	...	...	...

(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
1-019 Tuberculosis	1 : 0.3%	3 : 2.3%	2 : 6.9%	2 : 1.4%
0-039 Syphilis & other Venereal Diseases	0 : 0%	0 : 0%	0 : 0%	0 : 0%
0-064 Infectious disease of intestinal tract and other bacterial disease	0 : 0%	3 : 2.3%	2 : 6.9%	1 : 0.7%
0-096 Diseases attributable to Viruses	0 : 0%	0 : 0%	0 : 0%	1 : 0.7%
1-205 Malignant Neoplasms	47 : 13.8%	5 : 3.9%	2 : 6.9%	7 : 4.9%
0 Diabetes	2 : 0.6%	1 : 0.8%	1 : 3.5%	6 : 4.2%
1-334 Vascular lesions affecting C.N.S.	43 : 12.6%	3 : 2.3%	3 : 10.3%	16 : 11.2%
1-468 Cardiac Diseases and other diseases of Circulatory System	140 : 41.2%	8 : 6.2%	5 : 17.2%	43 : 30.1%
0-527 Respiratory Diseases (non-tuberculous)	30 : 8.8%	24 : 18.6%	4 : 13.8%	19 : 13.3%
3,571 Gastro-enteritis and Colitis 572 (age 4 weeks and over)	1 : 0.3%	18 : 14.0%	2 : 6.9%	12 : 8.4%
0-587 Other diseases of Digestive System	13 : 3.8%	5 : 3.9%	1 : 3.5%	1 : 0.7%
0-594 Nephritis and Nephrosis	4 : 1.2%	2 : 1.6%	1 : 3.5%	0 : 0%
0-759 Congenital Malformations	2 : 0.6%	0 : 0%	0 : 0%	2 : 1.4%
0-776 Certain diseases of early infancy	9 : 2.6%	16 : 12.4%	1 : 3.5%	12 : 8.4%
0-795 Senility and ill defined diseases	21 : 6.2%	15 : 11.6%	1 : 3.5%	9 : 6.3%
0-999 Accidents, violence, poisoning	22 : 6.5%	14 : 10.9%	2 : 6.9%	6 : 4.2%
Other causes	5 : 1.5%	2 : 1.6%	2 : 6.9%	6 : 4.2%
TOTAL DEATHS	340	129	29	143

\* The Bantu figures must be regarded as unreliable.

Inventory of the collection of the ...

No.	Date	Description	Quantity	Remarks
1	1891	...	...	...
2	1892	...	...	...
3	1893	...	...	...
4	1894	...	...	...
5	1895	...	...	...
6	1896	...	...	...
7	1897	...	...	...
8	1898	...	...	...
9	1899	...	...	...
10	1900	...	...	...
11	1901	...	...	...
12	1902	...	...	...
13	1903	...	...	...
14	1904	...	...	...
15	1905	...	...	...
16	1906	...	...	...
17	1907	...	...	...
18	1908	...	...	...
19	1909	...	...	...
20	1910	...	...	...
21	1911	...	...	...
22	1912	...	...	...
23	1913	...	...	...
24	1914	...	...	...
25	1915	...	...	...
26	1916	...	...	...
27	1917	...	...	...
28	1918	...	...	...
29	1919	...	...	...
30	1920	...	...	...

...

...

...

## 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	1 (0.025)	1 (0.04)	1 (0.2)	0	2 (0.04)	3 (0.03)
Pulmonary Tuberculosis	12 (0.3)	107 (3.8)	18 (3.6)	30 (1.3)	155 (2.8)	167 (1.7)
Tuberculosis - Other Forms	0	2 (.08)	1 (0.2)	2 (0.1)	5 (0.1)	5 (0.05)
Scarlet Fever	12 (0.3)	0	0	0	0	12 (0.13)
Kwashiorkor	0	4 (0.14)	0	1 (0.4)	5 (0.1)	5 (0.05)
Puerperal Sepsis	0	3 (0.1)	0	2 (0.1)	5 (0.1)	5 (0.05)
Trachoma	0	0	0	1 (0.04)	1 (0.02)	1 (0.01)
Diphtheria	3 (0.08)	5 (0.18)	6 (1.2)	3 (1.3)	14 (0.25)	17 (0.18)
Typhus Fever	0	0	0	1 (0.04)	1 (0.02)	1 (0.01)
Cerebro-spinal Fever	1 (0.025)	0	1 (0.2)	0	1 (0.02)	2 (0.02)
Anterior Poliomyelitis (Paralytic)	0	0	0	0	0	0
Anterior Poliomyelitis (Non-Paralytic)	0	0	0	0	0	0
Encephalitis	0	0	0	0	0	0
Leprosy	0	2 (0.08)	1 (0.2)	0	3 (0.05)	3 (0.03)
Ophthalmia Neonatorum	0	0	0	0	0	0
Smallpox	0	1 (0.04)	0	0	1 (0.02)	1 (0.01)
TOTAL :	29 (0.7)	125 (4.5)	28 (5.6)	40 (1.8)	193 (3.5)	222 (2.3)

Year	Month	Day	Temperature	Humidity	Wind	Clouds	Notes
1900	Jan	1	65	70	SW	Partly	
1900	Jan	2	68	75	SW	Partly	
1900	Jan	3	70	78	SW	Partly	
1900	Jan	4	72	80	SW	Partly	
1900	Jan	5	75	82	SW	Partly	
1900	Jan	6	78	85	SW	Partly	
1900	Jan	7	80	88	SW	Partly	
1900	Jan	8	82	90	SW	Partly	
1900	Jan	9	85	92	SW	Partly	
1900	Jan	10	88	95	SW	Partly	
1900	Jan	11	90	98	SW	Partly	
1900	Jan	12	92	100	SW	Partly	
1900	Jan	13	95	100	SW	Partly	
1900	Jan	14	98	100	SW	Partly	
1900	Jan	15	100	100	SW	Partly	
1900	Jan	16	100	100	SW	Partly	
1900	Jan	17	100	100	SW	Partly	
1900	Jan	18	100	100	SW	Partly	
1900	Jan	19	100	100	SW	Partly	
1900	Jan	20	100	100	SW	Partly	
1900	Jan	21	100	100	SW	Partly	
1900	Jan	22	100	100	SW	Partly	
1900	Jan	23	100	100	SW	Partly	
1900	Jan	24	100	100	SW	Partly	
1900	Jan	25	100	100	SW	Partly	
1900	Jan	26	100	100	SW	Partly	
1900	Jan	27	100	100	SW	Partly	
1900	Jan	28	100	100	SW	Partly	
1900	Jan	29	100	100	SW	Partly	
1900	Jan	30	100	100	SW	Partly	
1900	Jan	31	100	100	SW	Partly	

(2) INFECTIOUS DISEASE

There were only 222 notifications of infectious disease as compared with 185 in 1961.

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

Altogether 129 patients were admitted during the year 1962, 103 Borough and 26 Out-of-Borough. Figures for previous years were:-

1961 : 106; 1960 : 156; 1959 : 202; 1958 : 184; 1957 : 180; 1956 : 243; 1955 : 147; 1954 : 117; July-December, 1953 : 90; 1951-1952 : 222.

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 52).

Admissions during 1962 totalled 413, 102 Borough and 311 Out-of-Borough cases, a marked increase on last year's total of 299 - mainly of Out-of-Borough cases. Admissions during previous years have been as follows:-

1961 : 299; 1960 : 339; 1959 : 384; 1958 : 400; 1957 : 381; 1956 : 414; 1955 : 331; 1954 : 256; July-December, 1953 : 130; 1951-1952 : 223.

AMBULANCE

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

- 1) Total number of cases removed : 4,916.
- 2) Infectious cases removed : 785.

LABORATORY WORK:

Laboratory work done by the Pathologist.

Swabs for Diphtheria Bacilli .....	165
Swabs for Haemolytic Streptococci .....	91
Smears, Swabs, Pus for Gonococcus, organisms, etc. ....	1
Cerebro-spinal Fluids .....	13
Blood (Vi, Sugar and other examinations) .....	10
Blood (Counts, Smears) .....	0
Sputum and Pleural Fluids (T.B., organisms, sensitivity) .....	0
Stools (Parasites, T.B., S. Typhi, etc.) .....	2
Urines (Chemical, microscopic, diastatic index, S. Typhi, etc.) .....	2
Milk - for Total Bacterial and Coliform Count .....	48
Milk Phosphatase Test .....	224
	<u>556</u>

Laboratory work done by Municipal Bio-Chemist:

Milk - for Breed Count and Resazurin Test .....	69
Milk - for Phosphatase Test .....	185
Milk - for Coliform Count .....	29
Drinking Water - for Bacteriological Count .....	286

During the year Dr. D. Cowie, who has been Municipal Pathologist since 1940, retired from private practice and resigned from the post of Municipal Pathologist. This work has now been taken over by the pathologist firm of Drs. Drummond, Duncan-Taylor and Rifkin.

Work .../

(2) REVISIONS

These were only 100 modifications of industrial classes as compared with 100 in 1961.

INDUSTRIAL REVISIONS (Page 20)

Although 100 items are deleted during the year 1961, 100 items are added to the list.

1961 : 100 : 1960 : 100 : 1959 : 100 : 1958 : 100 : 1957 : 100 : 1956 : 100 : 1955 : 100 : 1954 : 100 : 1953 : 100 : 1952 : 100 : 1951 : 100

Some of the items deleted from the list are: ... The items added to the list are: ...

INDUSTRIAL REVISIONS (Page 21)

Although 100 items are deleted during the year 1961, 100 items are added to the list.

1961 : 100 : 1960 : 100 : 1959 : 100 : 1958 : 100 : 1957 : 100 : 1956 : 100 : 1955 : 100 : 1954 : 100 : 1953 : 100 : 1952 : 100 : 1951 : 100

REVISIONS

The following items have been deleted in the course of the year 1961:

- 1) Industrial class deleted : 100.
- 2) Industrial class deleted : 100.

INDUSTRIAL REVISIONS

Industrial class deleted in the year 1961.

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INDUSTRIAL REVISIONS (Page 22)

Although 100 items are deleted during the year 1961, 100 items are added to the list.

1961 : 100 : 1960 : 100 : 1959 : 100 : 1958 : 100 : 1957 : 100 : 1956 : 100 : 1955 : 100 : 1954 : 100 : 1953 : 100 : 1952 : 100 : 1951 : 100

LABORATORY WORK Cont'd.

## Work done in Departmental Laboratory:-

No. of Mosquito larvae examined	:	480
No. of Mosquito adults examined	:	0
No. of Snails examined	:	318
No. of Physopsis identified	:	10

NOTIFIABLE INFECTIOUS DISEASE

- (a) ANTRAX. No cases notified.
- (b) SMALLPOX. 1 Bantu male case was reported this year. This case was considered clinically to be definitely a case of Smallpox and localised vaccination at his place of residence and work was carried out and at the same time a general vaccination campaign was embarked on. The source of infection could not be traced and no secondary cases occurred and Virological and blood complement fixation examinations carried out by the S.A.I.M.R., Johannesburg in this patient were all negative.

VACCINATION.

Every Bantu registering at the Municipal Pass Office is vaccinated when he is medically examined. (See page 23).

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)	.....	118
Successful Vaccinations (over 2)	.....	22
Insusceptible to Vaccination (under 2)	.....	4
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 45,164 (Eur. 11,991; Bantu 10,627; Col. 4,902; As. 17,644.)

This very high figure was due to a mass vaccination campaign in the City following the discovery of the Bantu case of Smallpox.

(c) DIPHTHERIA.

The total number of cases notified in 1962 was 17, as compared with 14 last year. There were no deaths this year from this disease.

The immunisation history in 18 known cases (confirmed by Virulence tests) admitted to our hospitals during 1962 was as follows:-

Immunised	Non-Immunised
Total cases : 2 (1 Eur.: 1 Coloured)	Total cases : 16 (2 Eur.; 14 Bantu.)
Deaths : Nil	Deaths : 5 (0 Eur.; 5 Bantu.)

RECEIPT

For cash received of

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I hereby certify that the above is a true and correct copy of the original receipt as shown to me by the person presenting the same for recording. This receipt was prepared by the person presenting the same and I have not examined the original.

Very truly yours,  
 \_\_\_\_\_  
 Notary Public

In witness whereof, I have hereunto set my hand and the seal of my office at \_\_\_\_\_, this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_.

The receipt of \_\_\_\_\_ for \_\_\_\_\_, recorded in \_\_\_\_\_, is hereby acknowledged.

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, at \_\_\_\_\_, \_\_\_\_\_.

The receipt of \_\_\_\_\_ for \_\_\_\_\_, recorded in \_\_\_\_\_, is hereby acknowledged.

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DIPHTHERIA Cont'd.

2,719 Immunisation courses against Diphtheria were completed at the Infant Clinic Sessions, an increase on last year's figure of 2,019. (Eur. 705; Bantu 526; Col. 342; As. 1,146.)

Race	Pre-Inoculation Schick Tests	No. Positive	Post-Inoculation Schick Tests	No. Positive
European	5	2	60	10
Bantu	-	-	-	-
Coloured	-	-	-	-
siatic	-	-	-	-

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 1951:-

DIPHTHERIA

Y E A R	EUROPEAN				BANTU				COLOURED				ASIATIC			
	Births	Immunised	Notifications	Deaths	Births	Immunised	Notifications	Deaths	Births	Immunised	Notifications	Deaths	Births	Immunised	Notifications	Deaths
1951-June, 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	3	1
- " 1957	701	371	19	1	874	123	7	1	179	177	1	-	788	838	3	1
- " 1958	798	367	9	-	669	172	11	5	217	145	5	-	779	678	5	2
- " 1959	777	753	26	3	630	258	2	2	206	265	-	-	837	970	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	195	1	1	827	984	3	-
- " 1962	817	705	3	-	704	526	5	-	210	342	6	-	820	1146	3	-

- \* Includes 8 carriers
- " Includes 6 carriers
- o 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) SCARLET FEVER

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

(e) CEREBRO-SPINAL MENINGITIS

2 Cases (1 Eur. and 1 Coloured) were notified during the year, as compared with nil last year.

(f) ANTERIOR POLIOMYELITIS

No cases were notified this year, as compared with 1 last year.

This Department switched over completely to the "Oral" Poliomyelitis Vaccine (Sabin) which was freely available and was offered to eligible age groups in all races as laid down by the State Health Department.

1	2	3	4
5	6	7	8
9	10	11	12

13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28
29	30	31	32	33	34	35	36
37	38	39	40	41	42	43	44
45	46	47	48	49	50	51	52

The following table shows the results of the experiment conducted on the 15th of May 1900. The data was collected from the observations made during the day. The results are as follows:

The first part of the experiment was conducted in the morning, and the results were as follows:

The second part of the experiment was conducted in the afternoon, and the results were as follows:

The third part of the experiment was conducted in the evening, and the results were as follows:

The results of the experiment show that the data collected during the day is consistent with the theoretical predictions. The data shows that the results are as follows:

The results of the experiment show that the data collected during the day is consistent with the theoretical predictions. The data shows that the results are as follows:

ANTERIC POLIOMYELITIS Cont'd.

The Vaccine is now given at the regular immunisation clinics held throughout the year. Reactions to the vaccines were few in number and in no case became serious. During 1962 this Department administered the following doses of the Oral Vaccine:-

	Oral Vaccine Total doses	No. of Pregnant Women Receiving Vaccine
Europeans	2,284	30
Bantu	1,317	1
Coloureds	861	16
Asiatics	2,865	28
TOTAL	7,327	75

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 - 52;	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;	1962 - 0.			

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.

(h) ENTERIC FEVER:

Only 3 cases were notified, 1 European, 1 Bantu and 1 Coloured, as compared with 10 cases last year.

42 Persons were immunised (31 European, 4 Asiatic and 7 Bantu), contacts of patients suffering from Typhoid Fever. (See also page 20, section (11) Milk Supplies.) In addition, employees of the City Engineer's Department in the Water Section are immunised yearly. (8 Europeans and 13 Bantu.)

(3) TUBERCULOSIS. (Pages 36-37).

Notifications of Pulmonary Tuberculosis totalled 137, a considerable increase on last year's total of 110, 12 of these being of Europeans. Notifications of Non-Pulmonary Tuberculosis totalled 5 (all Non-European), as compared with 7 last year.

89 Borough cases (1 European, 47 Bantu, 7 Coloureds and 14 Asiatics) were admitted to our Non-European Infectious Diseases Hospital.

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

Grey's Hospital	: Eur. 1; Col. 9.
King George V / Springfield Hospital	: Eur. 10; Bantu 1; As. 3.
Edendale Non-European Hospital	: Bantu 28; As. 6.
S.A.N.T.A. Doris Goodwin Centre	: Bantu 15.
F.O.S.A. Settlement	: As. 1.
Other Hospitals	: Eur. 1; Bantu 3; As. 1.


## TUBERCULOSIS. Cont'd.

The Natal Anti-Tuberculosis Association rendered assistance to 60 families in Pietermaritzburg (1 European, 46 Bantu, 12 Coloured and 1 Asiatic).

The following tables illustrate the trend in notifications and deaths from this disease over the period 1935 - 1962:-

## PULMONARY TUBERCULOSIS

	NOTIFICATIONS						DEATHS					
	Eur.	Bantu	Col.	As.	All Non-Eur.	Total	Eur.	Bantu	Col.	As.	All Non-Eur.	Total
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	48	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	5	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
1954-Dec., 1954	20	44	5	12	61	81	3	6	2	5	13	16
-Dec., 1955	14	75	9	31	115	129	0	11	2	2	15	15
- " 1956	8	86	14	11	111	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
- " 1962	12	107	18	30	155	167	1	3	1	2	6	7

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

## NON-PULMONARY TUBERCULOSIS

	NOTIFICATIONS						DEATHS					
	Eur.	Bantu	Col.	As.	All Non-Eur.	Total	Eur.	Bantu	Col.	As.	All Non-Eur.	Total
1935-June, 1936	3	3	1	6	10	13	1	2	0	2	4	5
1936- " 1937	2	8	0	5	15	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	1	3	1	3	7	9	1	2	0	0	3	4
1940- " 1941	3	2	0	3	5	8	2	1	0	0	1	3
1941- " 1942	2	7	2	7	16	18	1	3	1	3	7	8
1942- " 1943	1	3	2	2	9	10	1	1	1	3	5	6
1943- " 1944	1	4	0	3	7	8	0	3	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	0	4	1	3	8	9
1946- " 1947	1	8	3	2	13	14	0	1	3	3	17	17
1947- " 1948	*5	9	1	4	14	19	1	3	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	0	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	0	2	0	1	3	4
1952- " 1953	1	6	0	4	10	11	0	7	0	1	9	9
1954-Dec., 1954	1	7	0	3	12	13	0	2	0	3	5	5
-Dec., 1955	1	4	1	3	8	9	1	3	0	0	3	4
- " 1956	0	1	0	1	2	2	0	0	0	0	0	0
- " 1957	4	2	1	1	4	8	0	2	0	1	4	4
- " 1958	1	2	1	1	4	8	0	2	0	1	4	4
- " 1959	0	3	1	3	7	7	0	2	0	1	4	4
- " 1960	0	1	2	2	5	5	0	2	0	1	4	4
- " 1961	0	1	0	2	3	3	0	1	0	0	2	2
- " 1962	0	2	1	2	5	5	0	0	0	0	0	0

\* Includes 1 case also notified as Pulmonary Tuberculosis.

There .... /

100

THE NATIONAL ARCHIVES  
COLLECTION OF THE NATIONAL ARCHIVES  
GENERAL INVESTIGATION REPORT  
SERIALS

Serial No.	Title	Author	Date	Source
1	...	...	...	...
2	...	...	...	...
3	...	...	...	...
4	...	...	...	...
5	...	...	...	...
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NON-PULMONARY TUBERCULOSIS (Cont'd.)

There was a marked upsurge in the total of notifications of this disease in all races this year, though the total of deaths was again less than in the previous year. The increase in notifications is probably largely due to increased case finding activity by this Department. Approximately 27% of the total expenditure by this Department was under the head "Anti-Tuberculosis Measures" (26% last year).

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 43 for detailed breakdown of these figures).

	European	N-European	Total
Referred ex Bantu Pass Office med. exam.	-	13,661	13,661
Referred for Pre-employment X-Ray	109	382	491
Referred by Employers	333	1,856	2,189
Referred by Doctors	250	948	1,198
Referred by Health Visitor	158	836	994
Applied Voluntarily for Miniature X-Ray	561	277	838
Follow-up X-Rays of cases attending Municipal Clinics or in T.B. or other Hospitals	96	1,443	1,539
<b>Total Persons X-Rayed</b>	<b>1,507</b>	<b>19,403</b>	<b>20,910</b>

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:-

	<u>European</u>	<u>Non-European</u>	<u>Total</u>
Active cases of Pulmonary T.B.	25	273	298
Arrested cases of Pulmonary T.B.	3	14	17

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 old enough 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 543 out of a total of 13,118 Bantu (i.e. 41% were referred from the Pass Office for further investigation at the T.B. Clinic).

THE TUBERCULOSIS CLINIC (Page 42).

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

During the year there were 4,217 attendances at the Clinic (including 1,712 Out-of-Borough cases), as compared with last year's total of 2,632. All contacts are now referred first of all to the Miniature X-Ray Clinic or Heaf 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.

Year	...	...	...
1901	...	...	...
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THE TUBERCULOSIS CLINIC (Cont'd.)

B.C.G. immunisation of infants was continued 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	30	187	Positive	21
Negative	194		Negative	6
Doubtful	5		Doubtful	-
Not Read	21		Not Read	2
Total	250		Total	29

Out-Patient continuation treatment with Oral Anti-Tuberculosis drugs 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. Most local cases are able to commence treatment with a period of hospitalisation.

During the year 3 European, 39 Bantu, 5 Coloured and 10 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 42). 2 European patients were given Streptomycin at home. 2 Bantu patients received their injections at their place of employment.

4,576 Visits were made to tuberculous and contacts in their homes, (Borough cases only), as compared with last year's total of 2,984.

The following notified cases were on our Tuberculosis Register as at 31st December, 1962. (1961 figures in brackets for comparison):-

	<u>Eur.</u>	<u>Bantu</u>	<u>Col.</u>	<u>As.</u>	<u>All N-Eur.</u>	<u>Total</u>
Pul. T.B.	135 (122)	782 (672)	102 (82)	301 (267)	1,185 (909)	1,320 (1027)
N-Pul T.B.	18 (7)	28 (24)	9 (9)	36 (35)	73 (66)	91 (73)

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

Admissions totalled 158, 68 Borough cases (47 Bantu, 7 Coloured and 14 Asiatic) and 90 Out-of-Borough cases (79 Bantu, 7 Coloured and 4 Asiatic), as compared with 63 Borough and 65 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 47-51).

- (a), (b) 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

Date	Description	Amount
1890	Jan 1	100.00
1890	Feb 1	200.00
1890	Mar 1	300.00
1890	Apr 1	400.00
1890	May 1	500.00

The following is a list of the items received during the month of January 1890. The total amount received is \$100.00.

The following is a list of the items received during the month of February 1890. The total amount received is \$200.00.

The following is a list of the items received during the month of March 1890. The total amount received is \$300.00.

The following is a list of the items received during the month of April 1890. The total amount received is \$400.00.

The following is a list of the items received during the month of May 1890. The total amount received is \$500.00.

The following is a list of the items received during the month of June 1890. The total amount received is \$600.00.

The following is a list of the items received during the month of July 1890. The total amount received is \$700.00.

(4) VENEREAL DISEASE (Cont'd.)

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:-

m.-Dec.	EUROPEAN				BANTU				COLOURED				ASIATIC			
	WR's done	% Pos	VD.RL Screen Tests	% Pos	WR's done	% Pos	VD.RL Screen Tests	% Pos	WR's done	% Pos	VD.RL Screen Tests	% Pos	WR's done	% Pos	VD.RL Screen Tests	% Pos
1958	300	1.3%	-	-	-	-	-	-	304	56%	-	-	1207	2.3%	-	-
1959	291	2.2%	-	-	-	-	-	-	156	96%	-	-	725	5%	-	-
1960	346	5.8%	-	-	-	-	-	-	286	91%	-	-	1111	4.8%	-	-
1961	376	1.9%	-	-	-	-	-	-	325	18.8%	-	-	1343	8.2%	-	-
1962	1148	8.9%	1169	8.5%	167	18.6%	172	25.6%	682	13.4%	686	18.4%	1237	5.2%	1252	16.6%

Bantu Ante-Natal Clinics have been transferred to Edendale Hospital in 1953, 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 : 142                      WRs. Positive : 29 (20.4%)

- (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
1954	2.1	-	0.3	-	3.8	3.6	2.8	2.6	3.8	2.2	-	10.2	3.0	2.4	-	9.3
1955	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
1956	2.5	3.3	0	0	3.7	4.4	2	2.6	3.7	4.4	1	2.7	2.3	2.6	-	-
1957	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
1958	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
1959	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
1960	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
1961	5.2	4.2	0	1	3.1	-	1.3	2.7	1.9	4.6	1	2.3	1.6	4.1	1	2.4
1962	5.1	10.3	0	2	3.1	4.9	1.7	2.3	6.9	3.4	1	1.7	2.8	2.7	1.5	2.7

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 1962, there being 4,871 attendances during the year, as compared with last year's total of 3,767. 1,740 Home Visits were paid to cases of Venereal Disease during the year as compared with 1961 total of 1,031.

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EPIDEMIC HOSPITAL (Non-European V.D.) Cont'd.

Admissions to this hospital totalled 700, an increase on last year's total of 544. The daily average of in-patients totalled 11 as compared with last year's figure of 7. There has been a steady increase in the number of admissions to this hospital since 1955, when the lowest total of admissions was recorded, viz. 358. The increase in Venereal Disease in recent years has been noted all over the world, and the tremendous drop in incidence due to the use of penicillin now appears to have ended.

Past figures of admission to this hospital have been as follows:-

1951-2 : 1312; 1952-3 : 910; 1954 : 561; 1955 : 358; 1956 : 396;  
1957 : 443; 1958 : 413 1959 : 460; 1960 : 456; 1961 : 544.

The re-admissions for this period numbered 52, i.e. 7.4% of admissions as compared with 8.1%, 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) Patients re-admitted suffering from forms of V.D. other than that originally admitted for .....	1	0	1
2) Relapsed though attended clinic fairly regularly .....	13	5	18
3) Reinfected after discharge .....	21	12	33

Approval is now being sought for the building of a new Clinic adjoining the recently built Infant Welfare Clinic building in Boom Street. This site is directly opposite the Provincial Non-European Out-Patient Clinic (Bantu and Asiatics), and the clinic is designed to be used both for Tuberculosis and Venereal Diseases sessions. It has been designed so that separate Male and Female sections can be used concurrently, so that Male and Female V.D. sessions can be conducted at the same time, but separately, thus using the same staff more fully. It will permit the holding of a second male clinic session each week.

(5) PLAGUE.

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

There are 3 Grain Stores in the City; all are now rodent-proofed. There are 2 mills in the City. Rodent-proofing measures were supervised in one.

Trapping operations by Rodent Inspector:	12.	Rodents trapped .....	23
Poisoning " " " " "	240.	Rodents Poisoned:	
		(Bodies recovered) .....	63.
		(Amount of Poison meal used)	
		164 lbs.	
Gassing operations by Rodent Inspector :	18.	Bodies recovered .....	41
18 Dwellings completed rodent-proofing -	36 inspected.		
96 Business premises, hotels, shops and stores rodent-proofed -	210 inspected.		
Stables - 3 inspected; 1 rodent-proofed.			

New buildings in course of erection supervised for rodent-proofing : 28.

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PLAGUE. Cont'd.

Vacant Land gassed : 9.  
 Premises inspected prior to demolition : 13.  
 Premises gassed prior to demolition : 3.  
 Premises poisoned prior to demolition : 7.

(6) RABIES:

Further positive cases of Rabies were found in dogs in Pietermaritzburg at the beginning of the year, but not subsequently. Natal, however, is not clear of infection yet and the Veterinary restrictions and compulsory inoculation of dogs is still in force in Pietermaritzburg. No human cases of Rabies have occurred in Pietermaritzburg.

(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.

Snails examined	: 318
Physopsis Africana identified	: 10

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 23 deaths, (15 Bantu, 1 Coloured and 7 Indian), as compared with 29 last year.

(IV) MUMPS

This disease was moderately prevalent in both European and Non-European children during the year, 19 cases being admitted to the Isolation Hospitals.

(V) MEASLES

This disease was very prevalent in school children this year. 44 European and 10 Non-European Borough cases being admitted to the Isolation Hospitals. 1 Asiatic death was recorded from this disease.

(VI) GERMAN MEASLES was fairly moderately prevalent this year. 10 European cases and 1 Coloured case were admitted to the Isolation Hospitals.

(VII) CHICKEN POX

This disease was not very prevalent, 13 European and 10 Non-European cases being admitted to the Isolation Hospitals.

(VIII) WHOOPING COUGH ...../

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(VIII) WHOOPIING COUGH

This disease was 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 21). 9 Non-European cases were admitted to our Infectious Diseases Hospitals from outside the City, and 4 European cases and 1 Coloured case were admitted from the City area.

(IX) INFLUENZA:

Influenza was very prevalent in the City during the winter months June and July. It did not, however, reach serious epidemic proportions and did not cause any serious dislocation of services. There were 3 European deaths and 1 Coloured death from the disease, as compared with last year's nil figure.

(8) WATER SUPPLY. (See page 56).

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 8 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 8½ million gallons. The present consumption in Pietermaritzburg is approximately 5.7 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 60-62)

All slaughtering is carried out at the Municipal Abattoir, which is under the direct control of this Department. Butchers' shops are periodically inspected to ensure that they are satisfactory and that no meat which does not bear the Municipal stamp is exposed for sale. 192 Inspections of Butchers' shops and 7 inspections of Butchers' carts were made by the Department's Health Inspectors, in addition to many inspections made by the Abattoir staff. A list of meat, fish and fowl condemned after inspection is shown on pages 57-59.

The Abattoir Manager reports that during the year 100,102 animals were slaughtered, a sharp increase on the 1961 total of 93,169. 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.

1898  
The first of the year was marked by the death of the late Mr. J. B. Smith, who had been a prominent member of the community for many years. His death was a great loss to the community, and his funeral was held on the 15th of the month.

The second of the year was marked by the death of the late Mr. J. B. Smith, who had been a prominent member of the community for many years. His death was a great loss to the community, and his funeral was held on the 15th of the month.

The third of the year was marked by the death of the late Mr. J. B. Smith, who had been a prominent member of the community for many years. His death was a great loss to the community, and his funeral was held on the 15th of the month.

The fourth of the year was marked by the death of the late Mr. J. B. Smith, who had been a prominent member of the community for many years. His death was a great loss to the community, and his funeral was held on the 15th of the month.

The fifth of the year was marked by the death of the late Mr. J. B. Smith, who had been a prominent member of the community for many years. His death was a great loss to the community, and his funeral was held on the 15th of the month.

The sixth of the year was marked by the death of the late Mr. J. B. Smith, who had been a prominent member of the community for many years. His death was a great loss to the community, and his funeral was held on the 15th of the month.

The seventh of the year was marked by the death of the late Mr. J. B. Smith, who had been a prominent member of the community for many years. His death was a great loss to the community, and his funeral was held on the 15th of the month.

The eighth of the year was marked by the death of the late Mr. J. B. Smith, who had been a prominent member of the community for many years. His death was a great loss to the community, and his funeral was held on the 15th of the month.

(10) MEAT SUPPLIES Cont'd.

Health Inspectors from the Department have had to help out by carrying out Meat Inspection duties at the Abattoir owing to shortages of Abattoir Staff. Towards the end of the year an additional Meat Inspector's post was created at the Abattoir. 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 carcasses infected with "Measles" during the last 10 years:-

	CATTLE			CALVES			PIGS		
	Slaugh-tered	% In-fected	% Con-demned	Slaugh-tered	% In-fected	% Con-demned	Slaugh-tered	% In-fected	% Con-demned
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
1962	18,304	7.8	1.3	3,530	4.16	1.61	5,969	0.93	0.83

(11) MILK SUPPLIES (Page 55)

The milk supply has been carefully controlled throughout the year. It was derived from 41 producer-distributors, 11 in the Borough, and 30 Out-of-Borough, and 81 producers, 2 Borough and 79 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 70% 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.

551 Vi-tests were done on dairy employees; 1 was found positive and 3 were check retested, but finally found to be positive. 452 Dairy personnel (1 Eur., 428 Bantu and 23 Asiatics) were immunised against Typhoid Fever, 704 inoculations being given.

(12) OTHER FOODS SUPPLIES (Pages 55-59)

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 57-59). Condemned foodstuffs are removed to the refuse tips, made unusable, and disposed of by dumping.

Details of all licence applications dealt with by the Department are reflected in the Table on page 63. Careful attention is paid to storage conditions, particularly to rodent-proofing, and there is a considerable improvement in this connection. 297 Inspections of the Borough Market and 3488 inspections of other premises manufacturing or handling food were made. (Pages 64-66)

Date	Description	Debit	Credit	Balance
1890				
Jan 1	Balance forward			
Jan 15	...			
Jan 31	...			
Feb 1	...			
Feb 15	...			
Feb 28	...			
Mar 1	...			
Mar 15	...			
Mar 31	...			
Apr 1	...			
Apr 15	...			
Apr 30	...			
May 1	...			
May 15	...			
May 31	...			
Jun 1	...			
Jun 15	...			
Jun 30	...			
Jul 1	...			
Jul 15	...			
Jul 31	...			
Aug 1	...			
Aug 15	...			
Aug 31	...			
Sep 1	...			
Sep 15	...			
Sep 30	...			
Oct 1	...			
Oct 15	...			
Oct 31	...			
Nov 1	...			
Nov 15	...			
Nov 30	...			
Dec 1	...			
Dec 15	...			
Dec 31	...			

(12) OTHER FOOD SUPPLIES (Cont'd.)Food and Drugs Act. (Pages 55-56)

Under the Food, Drugs and Disinfectants Act, 88 samples were taken, and the results of the analyses were as follows:-

Milk: 44 Samples: 1 Sample not in accordance with requirements in regard to 8.5% Solids-not-Fat.

Ice Cream: 3 Samples: All in accordance with standard laid down of 10% Fat.

Cream: 9 Samples: All in accordance with standards laid down.

Mince Meat: 24 Samples: 19 samples in accordance with standards laid down.  
5 samples contained preservative.

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

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

In the case of the defective Solids-not-Fat Milk Sample and the adulterated Mince Meat Samples, prosecution was instituted.

Outbreaks of Food Poisoning.

No episodes of food poisoning were reported. One report was received of illness due to an allergic reaction to a dried milk.

(13) MAVERINITY AND CHILD WELFARE: (Page 54)

The European Infantile Mortality Rate of 14.7 was a little higher than last year's record low figure of 11.8. This is still a very low figure.

The Coloured Infantile Mortality Rate of 28.6 was a little higher than last year's figure of 20.9.

The Bantu Infantile Mortality Rate was 81.0 a decrease on last year's figure of 107.7, but this figure must be regarded as unreliable.

The Asiatic Infantile Mortality Rate was 35.4 as compared with 41.1 last year.

The main causes and age groupings of Infantile Mortality in the different races are shown on pages 34-35.

In Europeans prematurity was again the main cause accounting for approximately 60% of the Infantile deaths. Prematurity, Diarrhoea and Enteritis and Broncho-Pneumonia were again 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 54.

Diphtheria and Poliomyelitis immunisation was continued as one of the important activities of the Infant Welfare Clinics. 2719 Children were immunised against Diphtheria (European 705; Bantu 526; Coloured 342; Asiatic 1146), as compared with 2019 last year.

Of the total given above 498 European, 214 Bantu, 220 Coloured and 414 Asiatic infants were immunised against Whooping Cough and Tetanus at the same time as against Diphtheria. (See page 10-11)

The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry should be supported by a valid receipt or invoice. This ensures transparency and allows for easy verification of the data.

In the second section, the author details the various methods used to collect and analyze the data. This includes both manual and automated processes. The goal is to ensure that the information is both reliable and up-to-date.

The third part of the document focuses on the results of the analysis. It shows that there has been a significant increase in sales over the period covered. This is attributed to several factors, including improved marketing strategies and better customer service.

Finally, the document concludes with a series of recommendations for future actions. It suggests that the company should continue to invest in research and development to stay ahead of the competition. Additionally, it recommends regular audits to ensure ongoing compliance with all relevant regulations.

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

Child Welfare Clinic attendances have been as follows:-

	<u>European</u>	<u>Bantu</u>	<u>Coloured</u>	<u>Asiatic</u>
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
1962	9,135	12,626	2,915	11,691

Infant Welfare Clinics.

A new Infant Welfare Clinic building for Non-Europeans was built for this Department in Boom Street by the City Engineer's Department at a completed cost of R15,763-00. This building provides adequate room for Clinics for all 3 Non-European races and special provision has also been made for Immunisation. It was found to be most useful for the emergency Smallpox vaccination campaign conducted this year. This clinic is almost exactly the same design as the clinic built last year for Asiatics in the new Northdale Housing development. A much smaller clinic was also built last year for Coloureds in the new municipal housing scheme at Woodlands.

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 are provided at the Provincial General Hospital at Edendale. Bantu District Midwifery is carried out in the Sobantu Village by the Municipal Bantu Midwife.

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

Borough Cases.

(a) <u>Ante-Natal Clinic</u> <u>Attendances.</u>	(b) <u>District Midwifery</u> <u>Visits.</u>	(c) <u>Post-Natal Clinic</u> <u>Attendances.</u>
Europeans : 2,742	Europeans : 657	Europeans : 197
Coloureds : 1,915	Coloureds : 1,590	Coloureds : 170
Asiatics : 8,974	Asiatics : 6,942	Asiatics : 498
<u>TOTAL</u> 13,631	<u>TOTAL</u> 9,189	<u>TOTAL</u> 865

(d) District Confinements.

Europeans, 22; Coloureds, 86; Asiatics, 387; Total, 495.

The .... /

Statement of the Board of Directors

Assets	Liabilities	Equity
1,000,000	500,000	500,000
2,000,000	1,000,000	1,000,000
3,000,000	1,500,000	1,500,000
4,000,000	2,000,000	2,000,000
5,000,000	2,500,000	2,500,000
6,000,000	3,000,000	3,000,000
7,000,000	3,500,000	3,500,000
8,000,000	4,000,000	4,000,000
9,000,000	4,500,000	4,500,000
10,000,000	5,000,000	5,000,000

The Board of Directors has the honor to acknowledge the receipt of the report of the Auditor General, dated the 15th day of December, 1918, and to state that the same has been read and found correct and true.

At a meeting of the Board of Directors held on the 15th day of December, 1918, the following resolution was adopted:

Resolved, That the Board of Directors do hereby accept and ratify the report of the Auditor General, dated the 15th day of December, 1918, and do hereby authorize the President of the Corporation to sign the same on behalf of the Board.

Witness my hand and the seal of the Corporation this 15th day of December, 1918.

President

Secretary

Treasurer

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

The Municipal Bantu Midwife conducted 93 confinements and paid 1,537 visits in connection with confinement cases (503 Ante-Natal and 1,034 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
130	517	142	29	114	11

3 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 1938, 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.

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

3,494 Notices and formal letters were served regarding breaches of the Borough By-Laws. 22 Prosecutions were initiated in the Magistrate's Court, as detailed on page 67. The total of inspections carried out this year was 21,933 as compared with 22,147 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 carried out by the Provincial Administration.

Complaints from Burgesses: 234 complaints were received and dealt with.

Medical Examination of Bantu:

Number Examined	Referred to TB Clinic after Min. X-Ray (See p. 46)	Rejected V.D.	Rejected Other Causes	Vaccinated
Male : 20,593	543	159	1	
Female : 43	-	3	-	
TOTAL : 20,636	543	162 (0.8%)	1	19,554

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 ...../

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15) GENERAL MATTERS OF HEALTH AND SANITATION Cont'd.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	:	3,014
Re-attendances at Dispensary .....	:	374
Home Visits .....	:	916
Surgical Dressings .....	:	3,884

The Council's trained Bantu District Nurse carried out a total of 3,791 Home Nursing Visits, 466 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, 1962, 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 Women 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.
	:	A.J.H. King, Cert. R.S.I., Meat & Other Foods Cert. R.S.I.
	:	J.A. Lourens, Cert. R.S.I.
	:	Position Vacant

Bantu ...../

The following is a list of the names of the persons who have been elected to the office of Justice of the Peace for the year 1901.

1st Precinct	John A. Smith
2nd Precinct	James B. Jones
3rd Precinct	William C. Brown
4th Precinct	Robert D. White
5th Precinct	Thomas E. Green

The following is a list of the names of the persons who have been elected to the office of Justice of the Peace for the year 1901.

The following is a list of the names of the persons who have been elected to the office of Justice of the Peace for the year 1901.

The following is a list of the names of the persons who have been elected to the office of Justice of the Peace for the year 1901.

6th Precinct	Charles F. Black
7th Precinct	Edward G. Gray
8th Precinct	Frank H. Hall
9th Precinct	George I. King
10th Precinct	Henry J. Lee
11th Precinct	Isaac K. Martin
12th Precinct	John L. Nelson
13th Precinct	Lucas O. Parker
14th Precinct	Malcolm Q. Reed
15th Precinct	Nathan R. Scott
16th Precinct	Oscar S. Taylor
17th Precinct	Philip T. Vance
18th Precinct	Richard U. Ward
19th Precinct	Samuel V. Young
20th Precinct	Timothy Z. Adams

The following is a list of the names of the persons who have been elected to the office of Justice of the Peace for the year 1901.

The following is a list of the names of the persons who have been elected to the office of Justice of the Peace for the year 1901.

The following is a list of the names of the persons who have been elected to the office of Justice of the Peace for the year 1901.

16) STAFF Cont'd.

Bantu Health Inspector ..... : R. Mtungwa, 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. Warwick, 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.  
 : Mrs. B.A. Mitchell, Health Visitor's  
 Cert. R.S.H.  
 Clinic Sister ..... : Mrs. E. Friedlander, Health Visitor's  
 Cert. R.S.H.  
 Clinic Clerks ..... : Mrs. A. C. Ferguson.  
 : Mrs. E. Forson.  
 Bantu Health Visitor ..... : Mrs. M. Mokhali, Health Visitor's Cert.  
 R.S.H.  
 Asiatic Health Visitor ..... : Mrs. S. Badrudeen, Health Visitor's Cert.  
 R.S.H.

BANTU NURSING AND HEALTH ASSISTANT STAFF

Bantu Nurse (Sobantu Village  
 Dispensary) ..... : Nurse Sophia Masongoe, 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. Mokoena and L. Hlongwane.

ISOLATION HOSPITAL

Matron ..... : A. E. Konstam (Acting)  
 Sisters ..... : J. Bassage, D. Cheesman, 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.  
 Coloured Staff Nurse ..... : 1  
 Bantu Staff Nurses ..... : 10 (inc. 2 Male Staff Nurses).  
 Bantu Probationer Nurses ..... : 8  
 Bantu Domestic Staff ..... : 27  
 Bantu Night Watchman ..... : 1

1. The first part of the document discusses the general principles of the law of contract. It outlines the requirements for a valid contract, including offer, acceptance, and consideration. It also discusses the concept of privity of contract and the extent of contractual liability.

2. The second part of the document deals with the law of tort. It covers the elements of negligence, including duty of care, breach of duty, and causation. It also discusses the concept of strict liability and the defenses available to a defendant in a tort action.

3. The third part of the document examines the law of property. It discusses the different types of property interests, such as fee simple, leasehold, and easement. It also covers the rules of acquisition and disposal of property, as well as the remedies available for a breach of property rights.

4. The fourth part of the document focuses on the law of trusts. It defines a trust and discusses the requirements for its creation. It also covers the duties of trustees and the rights of beneficiaries, as well as the powers of the court to intervene in the administration of a trust.

5. The fifth part of the document discusses the law of succession. It covers the rules of intestacy and the requirements for a valid will. It also discusses the powers of the court to set aside a will and the rights of a surviving spouse or partner.

6. The sixth part of the document deals with the law of evidence. It discusses the rules of relevance and materiality, as well as the admissibility of different types of evidence. It also covers the burden of proof and the standard of proof in civil and criminal cases.

7. The seventh part of the document examines the law of procedure. It discusses the rules of civil procedure, including the filing of a claim form, the service of documents, and the conduct of a trial. It also covers the rules of criminal procedure and the powers of the court.

8. The eighth part of the document discusses the law of remedies. It covers the different types of remedies available in civil and criminal cases, such as damages, injunctions, and specific performance. It also discusses the principles of restitution and the powers of the court to grant relief.

9. The ninth part of the document deals with the law of human rights. It discusses the rights protected by the European Convention on Human Rights and the powers of the European Court of Human Rights. It also covers the remedies available for a breach of human rights.

10. The tenth part of the document discusses the law of international law. It covers the sources of international law, including treaties, custom, and general principles of law. It also discusses the rights and obligations of states under international law.

(16) STAFF Cont'd.EPIDEMIC HOSPITAL.

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

ABATT OIR

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 Cert. R.S.I.
	:	H. C. Claasen, Cert. R.S.I.; Meat & Other Foods Cert. R.S.I.
Clerk .....	:	W. L. J. Powell.
Slaughterman .....	:	P. B. Bearpark.
Maintenance Fitter .....	:	H. Schoeman.

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1902

REPORT B.(1) HOUSING.

The City Council built 1 dwelling only for European occupation.

Powers under the Borough By-Laws have been exercised sparingly in dealing with insanitary dwellings, owing to the acute Non-European housing shortage. 21 Dwellings were condemned for demolition under Public Health By-Law 17, 20 of these being demolished by the end of the period under review, and 41 dwellings were voluntarily demolished mostly to make way for new buildings.

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 and not yet dealt with	Total Submitted
1962	465	52	27	89	643

New Buildings.

The City Engineer reports that 49 dwellings and 26 flats (2 blocks) were completed for Europeans, 91 flats (7 blocks) for Asiatics, and 35 dwellings were built for Non-Europeans (13 Coloureds and 22 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 6 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 two years ago.

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. 689 Temporary Licences were granted during the year to house unexempted Bantu under the Bantu (Urban Areas) Act, pending the provision of more accommodation.

The .../

TABLE I

The City Council has a policy of...

Lower than the... The City Council has a policy of...

All items of the... and...

Item	Category	Amount	Percentage	Total
...	...	...	...	...
...	...	...	...	...
...	...	...	...	...
...	...	...	...	...
...	...	...	...	...

The City Council... and...

CONCLUSION

The... and...

Although... and...

There is... and...

(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 were supplied by the Estates Manager:-

A. Coloured Housing.

The 1962 estimate of "Sub-economic" requirements was 109 houses. The requirement for "economic" housing was estimated as 101.

B. Asiatic Housing.

The 1962 estimate of "Sub-economic" housing required for Asiatics was 318 houses. The last estimate of "Economic" housing required (1961) was 437 houses.

C. Bantu Housing.

The estimated housing needs for the Bantu population (figures supplied in 1961 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 of 411 'economic' and 'sub-economic' houses for Asiatics was completed during 1961 at Northdale.

Further Housing Schemes for 'economic' houses for Asiatics and Coloureds in Northdale and Woodlands respectively have been approved by the City Council.

A scheme for 234 'economic' houses for Asiatics and 108 'economic' houses for Coloureds has been submitted by Council to the National Housing Council for approval.

Negotiations for the acquisition of land for the new Bantu housing scheme at Imbali (Slangspruit) are still not completed but it is hoped this scheme will be commenced in 1963.

The Council has also received the following Board Reports:

Water Department: Discharge of Sewage into the Harbor  
(Report of the Board of Health, 1887)  
(Report of the Board of Health, 1888)  
(Report of the Board of Health, 1889)

City Engineer's Report - Sewage Disposal  
(Report of the Board of Health, 1887)

As a result of the above mentioned reports, the Board of Health has the honor to report to the Council that the progress of their work has been such as to warrant the belief that the City is now in a position to dispose of its sewage in a safe and satisfactory manner.

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### REPORT OF THE BOARD OF HEALTH OF THE CITY OF BOSTON

The following statement of the Board of Health is submitted to the Council for their consideration and approval.

#### A. General Statement

The Board of Health has the honor to report that the progress of their work has been such as to warrant the belief that the City is now in a position to dispose of its sewage in a safe and satisfactory manner.

#### B. Details of Work

The Board of Health has the honor to report that the progress of their work has been such as to warrant the belief that the City is now in a position to dispose of its sewage in a safe and satisfactory manner.

#### C. Financial Statement

The Board of Health has the honor to report that the progress of their work has been such as to warrant the belief that the City is now in a position to dispose of its sewage in a safe and satisfactory manner.

Respectfully,  
The Board of Health

#### D. Council's Action

The Council has the honor to report that the progress of their work has been such as to warrant the belief that the City is now in a position to dispose of its sewage in a safe and satisfactory manner.

The Board of Health has the honor to report that the progress of their work has been such as to warrant the belief that the City is now in a position to dispose of its sewage in a safe and satisfactory manner.

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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			BANTU*			COLOURED			ASIATIC		
	RESIDENTS			RESIDENTS			RESIDENTS			RESIDENTS		
	M	F	P	M	F	P	M	F	P	M	F	P
<b>INFECTIVE AND PARASITIC DISEASES.</b>												
Pulmonary Tuberculosis	1	0	1	2	1	3	1	0	1	2	0	2
Tuberculosis Meninges & C.N.S.	0	0	0	0	0	0	0	1	1	0	0	0
Tuberculosis of intestines, peritoneum & mesenteric glands	0	0	0	0	0	0	0	0	0	0	0	0
Tuberculosis of bones and joints	0	0	0	0	0	0	0	0	0	0	0	0
T.B. of other organs	0	0	0	0	0	0	0	0	0	0	0	0
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
Other Cardiovascular Syphilis	0	0	0	0	0	0	0	0	0	0	0	0
Typhoid Fever	0	0	0	0	0	0	0	0	0	0	0	0
Bacillary Dysentery	0	0	0	0	0	0	0	0	0	1	0	1
Amoebiasis	0	0	0	1	0	1	0	0	0	0	0	0
Septicaemia and pyaemia	0	0	0	1	0	1	1	1	2	0	0	0
Diphtheria	0	0	0	0	0	0	0	0	0	0	0	0
Whooping Cough	0	0	0	1	0	1	0	0	0	0	0	0
Meningococcal Infections	0	0	0	0	0	0	0	0	0	0	0	0
Tetanus	0	0	0	0	0	0	0	0	0	0	0	0
Gas gangrene	0	0	0	0	0	0	0	0	0	0	0	0
Measles	0	0	0	0	0	0	0	0	0	1	1	1
<b>TOTAL : GROUP I</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>5</b>	<b>1</b>	<b>6</b>	<b>2</b>	<b>2</b>	<b>4</b>	<b>3</b>	<b>1</b>	<b>4</b>
<b>NEOPLASMS.</b>												
<b>Malignant Neoplasm of:-</b>												
Oral Nasopharynx	1	0	1	0	0	0	0	0	0	0	0	0
Pharynx, unspec.	1	0	1	0	0	0	0	0	0	0	0	0
Stomach	4	1	5	0	0	0	0	0	0	1	0	1
Small intestine including duodenum	0	0	0	0	0	0	0	0	0	0	0	0
Large intestine, excluding rectum	4	5	9	0	0	0	0	0	0	1	1	2
Rectum	0	0	0	0	1	1	0	0	0	0	0	0
Biliary passages and liver	0	1	1	0	0	0	0	0	0	0	0	0
Liver (secondary and unspecified)	2	1	3	1	0	1	0	0	0	0	0	0
Pancreas	1	0	1	0	0	0	0	0	0	0	0	0
Peritoneum	0	1	1	0	0	0	0	0	0	0	0	0
Larynx	1	0	1	1	1	1	0	0	0	0	0	0
Trachea, bronchus and lung - primary	0	0	0	0	0	0	0	0	0	0	0	0
" " " " - unspec.	3	1	4	0	0	0	0	0	0	0	0	0
Breast	0	3	3	0	0	0	0	0	0	0	0	0
Cervix Uteri	0	2	2	0	0	0	0	0	0	0	0	0
Corpus Uteri	0	1	1	0	0	0	0	1	1	0	0	0
Ovary, Fallopian tube & broadlig.	0	3	3	0	0	0	0	0	0	0	0	0
Prostate	1	0	1	0	0	0	0	0	0	1	0	1
Testis	1	0	1	0	0	0	0	0	0	0	0	0
Other & Unspec. male genital organs	0	0	0	0	0	0	1	0	1	0	0	0
Kidney	1	0	1	0	0	0	0	0	0	0	0	0
Bladder & other urinary organs	1	1	2	0	0	0	0	0	0	0	0	0
Malign. Melanoma of Skin	0	0	0	0	0	0	0	0	0	0	0	0
Bone	1	2	3	1	0	1	0	0	0	0	0	0
Secondary and unspecified malign. of lymph nodes	0	1	1	0	0	0	0	0	0	0	0	0
Other & unspec. sites	0	0	0	0	0	0	0	0	0	1	0	1
Lymphosarcoma and reticulosarcoma	1	0	1	0	0	0	0	0	0	0	0	0
Hodgkins disease	1	0	1	0	1	1	0	0	0	1	0	1
Leukaemia and aleukaemia	0	0	0	0	0	0	0	0	0	1	0	1
<b>TOTAL : GROUP II</b>	<b>24</b>	<b>23</b>	<b>47</b>	<b>3</b>	<b>2</b>	<b>5</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>5</b>	<b>2</b>	<b>7</b>
<b>Total C/Forward</b>	<b>25</b>	<b>23</b>	<b>48</b>	<b>8</b>	<b>3</b>	<b>11</b>	<b>3</b>	<b>3</b>	<b>6</b>	<b>8</b>	<b>3</b>	<b>11</b>

\* The Bantu death registrations must be regarded as incomplete.

TABLE I

The results of the present study are summarized in Table I. The data show that the effect of the treatment is highly significant. The results are presented in the following table.

Group	Mean	Standard Deviation	t-value	Significance
1	10.5	1.2	1.2	ns
2	11.2	1.5	1.5	ns
3	12.0	1.8	1.8	ns
4	13.5	2.0	2.0	p < 0.05
5	14.5	2.2	2.2	p < 0.01
6	15.5	2.5	2.5	p < 0.001
7	16.5	2.8	2.8	p < 0.0001
8	17.5	3.0	3.0	p < 0.0001
9	18.5	3.2	3.2	p < 0.0001
10	19.5	3.5	3.5	p < 0.0001
11	20.5	3.8	3.8	p < 0.0001
12	21.5	4.0	4.0	p < 0.0001
13	22.5	4.2	4.2	p < 0.0001
14	23.5	4.5	4.5	p < 0.0001
15	24.5	4.8	4.8	p < 0.0001
16	25.5	5.0	5.0	p < 0.0001
17	26.5	5.2	5.2	p < 0.0001
18	27.5	5.5	5.5	p < 0.0001
19	28.5	5.8	5.8	p < 0.0001
20	29.5	6.0	6.0	p < 0.0001

The data show that the effect of the treatment is highly significant. The results are presented in the following table.

DEATHS Cont'd.

	EUROPEAN			BANTU*			COLOURED			ASIATIC		
	RESIDENTS			RESIDENTS			RESIDENTS			RESIDENTS		
	M	F	P	M	F	P	M	F	P	M	F	P
Total B/Forward	25	23	48	8	3	11	3	3	6	8	3	11
<b>1) ALLERGIC ENDOCRINE SYSTEM.</b>												
<b>METABOLIC AND NUTRITIONAL DISEASES.</b>												
1. Asthma	1	0	1	0	0	0	0	0	0	1	0	1
2. Thyrotoxicosis	0	0	0	0	0	0	0	0	0	0	0	0
3. Other dis. thyroid gland	0	0	0	0	0	0	0	0	0	0	0	0
4. Diabetes Mellitus	0	2	2	1	0	1	0	1	1	3	3	6
5. Dis. of adrenal glands	0	0	0	0	0	0	0	0	0	0	0	0
6. Pellagra	0	0	0	0	0	0	0	0	0	0	0	0
7. Other Avitaminoses & nutritional deficiency states	0	0	0	1	5	6	0	0	0	0	1	1
TOTAL : GROUP III	1	2	3	2	5	7	0	1	1	4	4	8
<b>2) DISEASES OF THE BLOOD.</b>												
0. Pernicious & hyperchromic anaemias	0	0	0	0	0	0	0	0	0	0	0	0
1. Iron deficiency anaemias	0	0	0	0	0	0	0	0	0	0	0	0
2. Other anaemias, specified type	0	0	0	0	0	0	1	0	1	0	0	0
3. Anaemia, unspecified type	0	0	0	0	0	0	0	0	0	0	0	0
4. Haemophilia	0	0	0	0	0	0	0	0	0	0	0	0
5. Purpura & other haemorrhagic condns.	0	0	0	0	0	0	0	0	0	0	0	0
6. Other dis. of blood & blood form.org.	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL : GROUP IV	0	0	0	0	0	0	1	0	1	0	0	0
<b>3) MENTAL, PSYCHONEUROTIC &amp; PERSONALITY DISORDERS.</b>												
4. 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
<b>4) DISEASES OF THE NERVOUS SYSTEM</b>												
0. Subarachnoid haemorrhage	1	1	2	0	0	0	0	0	0	2	0	2
1. Cerebral haemorrhage	13	13	26	3	0	3	1	1	2	5	7	12
2. Cerebral embolism & thrombosis	7	8	15	0	0	0	0	1	0	0	0	0
3. Other vascul. les. of C.N.S.	0	1	1	0	0	0	0	0	0	0	0	0
4. Meningitis	0	0	0	1	2	3	0	1	1	0	1	1
5. Intracranial & intraspinal abscess	1	0	1	0	0	0	0	0	0	0	1	1
6. Epilepsy	0	0	0	0	0	0	0	0	0	1	0	1
7. Other diseases of brain	0	0	0	0	0	0	0	0	0	0	0	0
8. Motor Neurone dis. & muscular atrophy	0	0	0	1	0	1	0	0	0	0	0	0
9. Other dis. of spinal cord	1	0	1	0	0	0	0	0	0	0	0	0
10. Otitis media without mastoiditis	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL : GROUP VI	23	23	46	5	2	7	1	3	4	8	11	19
<b>5) DISEASES OF THE CIRCULATORY SYSTEM.</b>												
1. Other endocarditis - Rheumatic	1	1	2	0	0	0	0	0	0	0	0	0
2. Other myocarditis - rheumatic	1	1	2	0	0	0	0	0	0	0	0	0
3. Other heart dis. spec. rheumatic	0	0	0	0	0	0	0	0	0	0	0	0
4. Arteriosclerotic heart dis. inc. Coronary Thrombosis	42	26	68	1	0	1	0	2	2	14	25	19
5. Chron. endocarditis not spec. rheum.	0	0	0	0	0	0	0	0	0	0	0	0
6. Other myocardial degeneration	3	3	6	0	0	0	0	0	0	1	1	2
7. Acute & subac. endocarditis	0	0	0	0	0	0	0	0	0	0	0	0
8. Acute myocarditis - not rheumatic	2	1	3	0	0	0	0	0	0	0	0	0
9. Acute pericarditis - non-rheum.	1	0	1	0	0	0	0	0	0	0	0	0
10. Other & unspec. diseases of heart	13	15	28	2	3	5	1	1	2	13	7	20
11. Ess. Benign Hyperten. with heart dis.	0	0	0	0	0	0	0	0	0	0	0	0
12. Ess. mal. hyperten. with heart dis.	3	4	7	0	0	0	0	0	0	0	2	2
13. Other & unspec. hyperten. " "	0	0	0	0	0	0	0	0	0	0	0	0
14. Ess. Malign. Hyperten. without mention of heart	0	0	0	0	0	0	0	0	0	0	0	0
15. Other hypertensive disease without mention of heart	0	0	0	0	0	0	0	0	0	0	0	0
16. General arteriosclerosis	3	6	9	0	0	0	1	0	1	0	0	0
17. Aortic an. - non-syph. - & diss. an.	3	0	3	0	1	1	0	0	0	0	0	0
18. Other aneurysm exc. of heart & aorta	0	0	0	0	0	0	0	0	0	0	0	0
19. Arterial embolism and thrombosis	1	0	1	0	0	0	0	0	0	0	0	0
20. Pulmonary embolism & infarction	6	5	11	0	1	1	0	0	0	0	0	0
TOTAL : GROUP VII	79	62	141	3	5	8	2	3	5	28	15	43
Total C/Forward	128	110	238	18	15	33	7	10	17	48	33	81

\* The Bantu death registrations must be regarded as incomplete.



DEATHS Cont'd.

	EUROPEAN			BANTU*			COLOURED			ASIATIC		
	RESIDENTS			RESIDENTS			RESIDENTS			RESIDENTS		
	M	F	P	M	F	P	M	F	P	M	F	P
Total B/Forward	128	110	238	18	15	33	7	10	17	48	33	81
<b>(II) DISEASES OF THE RESPIRATORY SYSTEM.</b>												
74. Acute laryngitis & tracheitis	0	1	1	0	0	0	0	0	0	0	0	0
80. Influenza with pneumonia	1	1	2	0	0	0	1	0	1	0	0	0
83. Influenza with nervous manifest.	0	1	1	0	0	0	0	0	0	0	0	0
90. Lobar pneumonia	2	3	5	2	2	4	0	0	0	0	0	0
91. Broncho-pneumonia	7	5	12	8	8	16	0	0	0	5	6	11
93. Pneumonia, other & unspecified	4	1	5	0	1	1	2	1	3	1	2	3
96. Acute Bronchitis	0	0	0	1	0	1	0	0	0	0	0	0
97. Bronchitis unqualified	0	1	1	0	0	0	0	0	0	0	0	0
98. Chronic bronchitis	0	0	0	0	0	0	0	0	0	0	0	0
99. Empyema	0	0	0	0	0	0	0	0	0	3	2	5
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	2	2	0	0	0	0	0	0
26. Bronchiectasis	0	0	0	0	0	0	0	0	0	0	0	0
27. Other dis. of lung & pleural cavity	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL : GROUP VIII	15	15	30	11	13	24	3	1	4	9	10	19
<b>(C) DISEASES OF THE DIGESTIVE SYSTEM.</b>												
40. Ulcer of the stomach	1	0	1	0	0	0	0	0	0	0	0	0
41. Ulcer of duodenum	2	0	2	0	0	0	0	0	0	0	0	0
45. Other dis. of stomach & duodenum	1	1	2	0	0	0	0	0	0	0	0	0
50. Acute appendicitis	0	0	0	0	0	0	0	0	0	0	0	0
60. Intest. obstruction - no hernia	0	2	2	0	0	0	0	1	1	0	0	0
71. Gastro-enteritis (over 4 weeks)	0	0	0	5	12	17	1	1	2	9	2	11
76. Peritonitis	0	0	0	0	1	1	0	0	0	0	0	0
77. Peritoneal adhesion	0	0	0	0	0	0	0	0	0	0	0	0
78. Other diseases of intestines and peritoneum	0	0	0	0	0	0	0	0	0	1	0	1
80. Acute & subac. yell. atrophy liver	0	0	0	0	0	0	0	0	0	0	0	0
81. Cirrhosis of liver	2	1	3	1	1	2	0	0	0	0	0	0
82. Liver abscess	0	0	0	0	0	0	0	0	0	0	0	0
83. Other diseases of liver	0	0	0	0	1	1	0	0	0	0	0	0
84. Cholelithiasis	0	0	0	0	0	0	0	0	0	0	0	0
87. Diseases of pancreas	0	0	0	0	1	1	0	0	0	0	0	0
TOTAL : GROUP IX	6	4	10	6	16	22	1	2	3	10	2	12
<b>(D) DISEASES OF THE GENITO-URINARY SYSTEM.</b>												
90. Acute Nephritis	0	0	0	0	0	0	0	0	0	0	0	0
91. Nephritis with Oedema, inc. nephrosis	0	0	0	0	0	0	0	0	0	0	0	0
92. Chronic nephritis	2	2	4	2	0	2	1	0	1	0	0	0
93. Nephritis not spec. as acute/chronic	0	0	0	0	0	0	0	0	0	0	0	0
96. Infections of kidney	1	1	2	0	0	0	0	0	0	1	0	1
97. Hydronephrosis	1	0	1	0	0	0	0	0	0	0	0	0
98. Other dis. of Kidney & ureter	0	1	1	0	0	0	0	0	0	0	0	0
99. Hyperplasia of prostate	0	0	0	0	0	0	0	0	0	0	0	0
90. Infect. dis. of uterus, vagina and vulva	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL : GROUP X	4	4	8	2	0	2	1	0	1	1	0	1

Total C/Forward 153 133 286 37 44 81 12 13 25 68 45 113

\* The Bantu death registrations must be regarded as incomplete.

Year	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960
Production	100	105	110	115	120	125	130	135	140	145	150
Consumption	95	100	105	110	115	120	125	130	135	140	145
Exports	5	5	5	5	5	5	5	5	5	5	5
Imports	0	0	0	0	0	0	0	0	0	0	0
Stocks	10	10	10	10	10	10	10	10	10	10	10
Price Index	100	102	104	106	108	110	112	114	116	118	120
Exchange Rate	1.00	1.02	1.04	1.06	1.08	1.10	1.12	1.14	1.16	1.18	1.20
Government Expenditure	10	10	10	10	10	10	10	10	10	10	10
Government Revenue	8	8	8	8	8	8	8	8	8	8	8
Foreign Aid	0	0	0	0	0	0	0	0	0	0	0
Total	100	105	110	115	120	125	130	135	140	145	150

1960

1961

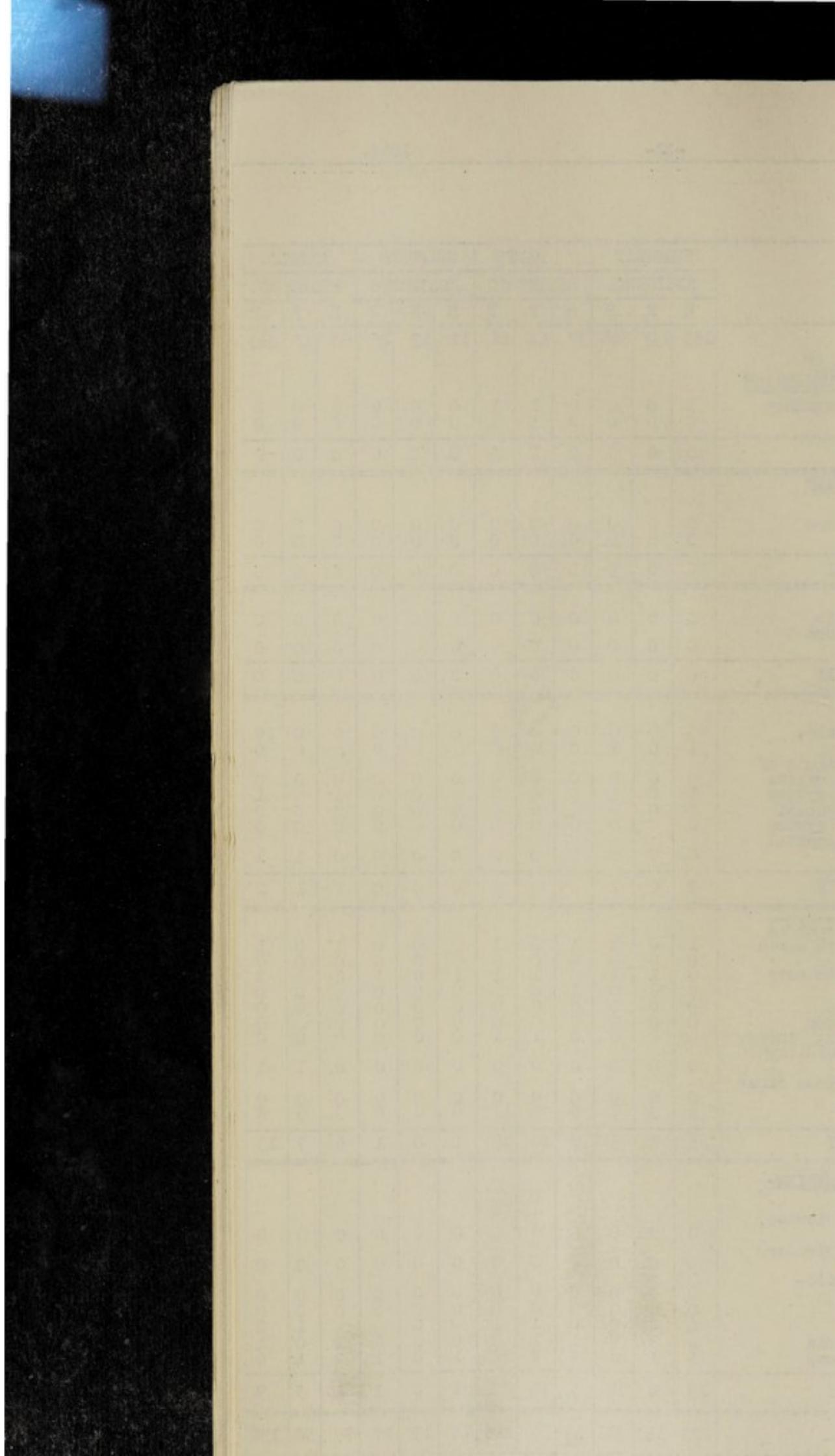
1962

1963

## DEATHS Cont'd.

	EUROPEAN			BANTU*			COLOURED			ASIATIC		
	RESIDENTS			RESIDENTS			RESIDENTS			RESIDENTS		
	M	F	P	M	F	P	M	F	P	M	F	P
Total B/Forward	153	133	286	37	44	81	12	13	25	68	45	113
<u>(I) DELIVERIES &amp; COMPLICATIONS OF PREGNANCY, CHILDBIRTH &amp; PUERPERIUM</u>												
48. Other Complications of pregnancy	0	0	0	0	1	1	0	0	0	0	0	0
51. Abortion with sepsis	0	0	0	0	1	1	0	0	0	0	0	0
TOTAL : GROUP XI	0	0	0	0	2	2	0	0	0	0	0	0
<u>(II) DISEASE OF SKIN AND CELLULAR TISSUE</u>												
92. Other cellulitis and abscess	0	0	0	0	0	0	0	0	0	0	0	0
16. Other dis. of skin	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL : GROUP XII	0	0	0	0	0	0	0	0	0	0	0	0
<u>(III) DISEASES OF THE BONES</u>												
30. Osteomyelitis & periostitis	0	0	0	0	0	0	0	0	0	0	0	0
44. Other dis. of muscle, tendon & fascia	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL : GROUP XIII	0	0	0	0	0	0	0	0	0	0	0	0
<u>(IV) CONGENITAL MALFORMATIONS</u>												
51. Spina bifida and meningocele.	0	0	0	0	0	0	0	0	0	0	0	0
52. Congenital hydrocephalus.	1	0	1	0	0	0	0	0	0	0	0	0
53. Other congenital malformations of nervous system and sense organs	0	0	0	0	0	0	0	0	0	0	0	0
54. Congen. malf. circulatory system	1	0	1	0	0	0	0	0	0	1	0	1
55. Congen. malf. digestive system.	0	0	0	0	0	0	0	0	0	0	0	0
57. Congen. malf. genito-ury. system	0	0	0	0	0	0	0	0	0	0	0	0
59. Other and unspecified congenital malformations.	0	0	0	0	0	0	0	0	0	0	1	1
TOTAL : GROUP XIV	2	0	2	0	0	0	0	0	0	1	1	2
<u>(V) CERTAIN DISEASES OF EARLY INFANCY</u>												
60. Intracrl. & spinl. injy. at birth	1	0	1	1	0	1	0	0	0	1	0	1
61. Other birth injury.	0	0	0	0	0	0	0	0	0	0	0	0
62. Postnatal asphyxia & atelectasis	0	1	1	0	1	1	1	0	1	2	1	3
64. Diarrhoea of newborn	0	0	0	1	0	1	0	0	0	0	0	0
70. Haemolytic dis. of newborn	0	0	0	0	0	0	0	0	0	0	0	0
71. Haemorrhagic dis. of newborn	0	0	0	0	0	0	0	0	0	0	0	0
73. Ill-def. dis. pecr. to early infcy.	0	0	0	0	1	1	0	0	0	0	0	0
74. Immaturity with other subsidiary condition	0	0	0	0	0	0	0	0	0	0	1	1
75. Immaturity subsidiary to some other cause	0	0	0	0	0	0	0	0	0	0	0	0
76. Immaturity - unqualified	4	3	7	5	8	13	0	0	0	3	5	8
TOTAL : GROUP XV	5	4	9	7	10	17	1	0	1	6	7	13
<u>(VI) SYMPTOMS, SENILITY &amp; ILL-DEFINED CONDITIONS</u>												
82. Symptoms referable to cardiovasc. & lymphatic systems	0	0	0	0	0	0	0	0	0	0	0	0
83. Symptoms referable to respiratory system	0	0	0	0	0	0	0	0	0	0	0	0
86. Symptoms referable to genito-urinary system	0	0	0	0	0	0	0	0	0	0	0	0
88. Other general symptoms	0	0	0	0	0	0	0	0	0	0	0	0
92. Uraemia - unqualified	4	4	8	0	1	1	0	0	0	1	1	2
94. Senility - without psychosis	4	3	7	1	1	2	0	0	0	1	0	1
95. Ill-defined & unknown causes	5	1	6	4	8	12	1	0	1	2	4	6
TOTAL : GROUP XVI	13	8	21	5	10	15	1	0	1	4	5	9
TOTAL	173	145	318	49	66	115	14	13	27	79	58	137

\* The Bantu death registrations must be regarded as incomplete.



DEATHS. Cont'd.

	EUROPEAN			BANTU*			COLOURED			ASIATIC		
	RESIDENTS			RESIDENTS			RESIDENTS			RESIDENTS		
	M	F	P	M	F	P	M	F	P	M	F	P
Total B/Forward	173	145	318	49	66	115	14	13	27	79	58	137
VII) ACCIDENTS, POISONING & VIOLENCE.												
00. Railway accident - involving railway employee	0	0	0	0	0	0	0	0	0	0	0	0
02. Railway accident - involving other persons	0	0	0	2	0	2	0	0	0	0	0	0
12. Motor vehicle traffic accident to pedestrian	2	1	3	0	1	1	1	0	1	2	0	2
13. Motor vehicle acc. to pedal cyclist	0	0	0	0	0	0	0	0	0	0	0	0
15. Motor vehicle acc. to rider of motor cycle in collision	0	0	0	0	0	0	0	0	0	0	0	0
16. Other motor vehicle traffic accident - 2 or more vehicles	1	0	1	0	0	0	0	0	0	0	0	0
20. Motor vehicle accident while boarding or alighting	0	0	0	1	0	1	0	0	0	0	0	0
22. Motor vehicle accident-overturning	0	0	0	0	0	0	0	0	0	0	0	0
23. Motor vehicle accident - running off roadway	0	1	1	0	0	0	0	0	0	0	0	0
25. Motor vehicle accidents - unspec.	1	0	1	0	0	0	0	0	0	0	0	0
31. Motor veh. non-traffic accident to pedal cyclist	0	0	0	0	0	0	0	0	0	0	0	0
35. Motor vehi. non-traffic nature - other/unspec.	0	0	0	0	0	0	0	0	0	0	0	0
40. Street car accident to pedestrian	0	0	0	0	0	0	0	0	0	0	0	0
71. Accidental poisoning- barbiturates	0	0	0	0	0	0	0	0	0	0	0	0
80. Accidental poisoning by alcohol	1	0	1	0	0	0	0	0	0	0	0	0
81. Accidental poisoning by motor vehicle exhaust gas	0	0	0	0	0	0	0	0	0	0	0	0
92. Accidental poisoning by other C.O. gas	0	0	0	1	0	1	0	0	0	0	0	0
002. Other falls - from one level to another	0	1	1	0	0	0	0	0	0	0	0	0
03. Fall on same level	0	1	1	0	0	0	0	0	0	0	0	0
13. Accident caused by cutting and piercing instruments	0	0	0	0	0	0	0	0	0	0	0	0
14. Accident caused by electric current	0	0	0	0	0	0	0	0	0	0	0	0
16. Accident caused by fire/explosion of combust. material	0	0	0	0	0	0	0	1	1	0	0	0
19. Accident caused by firearm	0	0	0	0	0	0	0	0	0	0	0	0
21. Inhalatn. & ingestn. of food causing obstruction or suffocation	0	0	0	0	0	0	0	0	0	0	0	0
22. Inhalatn. or ingestn. of other object causing suffocation or obstruction.	1	1	2	0	0	0	0	0	0	0	0	0
25. Accidtl. mechanical suffocation	0	0	0	0	0	0	0	0	0	0	0	0
29. Accidental drowning & submersion	0	0	0	0	0	0	0	0	0	1	0	1
31. Excessive heat and isolation	0	0	0	0	0	0	0	0	0	0	0	0
36. Other and unspec. accidents	1	1	2	7	0	7	0	0	0	0	1	1
53. Therapeutic misadventure in admin. of drugs	0	0	0	0	0	0	0	0	0	0	0	0
54. Therapeutic misadventure in anaesthesia	0	0	0	0	0	0	0	0	0	0	0	0
56. Late complication of surgical operation	0	0	0	0	0	0	0	0	0	0	0	0
70. Suicide by analgesic and soporific substances	0	1	1	0	0	0	0	0	0	0	0	0
71. Suicide - poisoning by solid/liquid substances	0	0	0	0	0	0	0	0	0	1	0	1
73. Suicide by other gases	1	0	1	0	0	0	0	0	0	0	0	0
74. Suicide by hanging	0	0	0	1	0	1	0	0	0	1	0	1
75. Suicide by drowning	0	0	0	0	0	0	0	0	0	0	0	0
76. Suicide by firearms	5	1	6	0	0	0	0	0	0	0	0	0
79. Suicide by other & unspec. means	0	0	0	0	0	0	0	0	0	0	0	0
82. Assault by cutting or piercing instruments	0	0	0	1	0	1	0	0	0	0	0	0
83. Assault by other means	0	1	1	0	0	0	0	0	0	0	0	0
TOTAL : GROUP E XVII	13	9	22	13	1	14	1	1	2	5	1	6
TOTAL	186	154	340	62	67	129	15	14	29	84	59	143

\* The Bantu death registrations must be regarded as incomplete.

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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
2. Pulmonary T.B.	0	0	0	1	1	2	0	0	0	0	0	0	1	1	2
0. T.B. of Meninges & C.N.S.	0	0	0	0	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	0	0	0
3. Septicaemia & Pyaemia	0	0	0	0	0	0	1	1	2	0	0	0	1	1	2
7. Meningococcal Infections	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5. Measles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6. Other avitaminoses and nutritional def. states	0	0	0	0	1	1	0	0	0	0	1	1	0	2	2
2. Other anaemias -specified	0	0	0	0	0	0	1	0	1	0	0	0	1	0	1
6. Purpura	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1. Cerebral haemorrhage	1	0	1	1	0	1	0	0	0	0	0	0	1	0	1
0. Meningitis, exc. meningococcal and tuberculous	0	0	0	1	2	3	0	0	0	0	0	0	1	2	3
3. Epilepsy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1. Otitis Media without mastoiditis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0. Arteriosclerotic heart dis. inc. coronary thrombosis	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1
2. Other myocardl. degn.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1. Other/unspec. dis. heart	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
0. Lobar Pneumonia	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
1. Broncho Pneumonia	0	0	0	5	5	10	0	0	0	1	4	5	6	9	15
3. Pneumonia, other & unspec.	0	0	0	0	0	0	1	0	1	1	0	1	2	0	2
0. Acute Bronchitis	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
1. Bronchitis, unqualified	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1. Gastro-enteritis and colitis, age 4 weeks and over	0	0	0	5	10	15	0	1	1	6	1	7	11	12	23
0. Oth. dis. intest. & periton.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1. Nephritis with oedema	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1. Chronic Nephritis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0. Other dis. of skin	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1. Spin. bif. & mngocele.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1. Cong. Hydrocephalus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1. Other cong. malforms. of nerv. system & sense organs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1. Congenital malforms. of circulatory system	1	0	1	0	0	0	0	0	0	1	0	1	1	0	1
1. Cong. Malf. digest. syst.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1. Cong. Malf. Genito Ury. system	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1. Unspec. Cong. Malforms.	0	0	0	0	0	0	0	0	0	1	1	0	1	1	1
1. Intracranial and spinal injury at birth	1	0	1	1	0	1	0	0	0	1	0	1	2	0	2
1. Other birth injury	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1. Post-natal asphyxia and atelectasis	0	1	1	0	1	1	1	0	1	2	1	3	3	2	5
1. Diarrhoea of new born	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
1. Haemlytc. dis. newborn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1. Haemglc. dis. newborn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1. Ill defined dis. peculiar to early infancy	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1
1. Immaturity with other subsidiary condition	4	3	7	0	0	0	0	0	0	0	1	1	0	1	1
1. Immaturity subsidiary to some other cause	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1. Immaturity, unqualified	0	0	0	5	8	13	0	0	0	2	5	7	7	13	20
1. Symp. refer. to cardio-vasc. & lymph. systems	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1. Symp. ref. to resp. syst.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1. Ill def./unknown causes	0	0	0	2	4	6	0	0	0	0	0	0	2	4	6
1. Inhaln. of food causing suffocn.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1. Acc. mechl. suffocn.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1. Accidtl. drowning	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1. Excess. heat & insolatn.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1. Ther. misadv. in surg. tt.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>8</b>	<b>4</b>	<b>12</b>	<b>24</b>	<b>33</b>	<b>57</b>	<b>4</b>	<b>2</b>	<b>6</b>	<b>14</b>	<b>15</b>	<b>29</b>	<b>42</b>	<b>50</b>	<b>92</b>

\*Bantu death Registrations must be regarded as incomplete.



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	3	7	3	2	5	2	0	2	5	4	9	10	6	16
2nd - 7th day	3	1	4	1	3	4	0	0	0	2	5	7	3	8	11
TOTAL - 1 week	7	4	11	4	5	9	2	0	2	7	9	16	13	14	27
1 Week - 1 Month	1	0	1	7	8	15	1	0	1	0	1	1	8	9	17
TOTAL : 1 Month	8	4	12	11	13	24	3	0	3	7	10	17	21	23	44
1 Month - 2 Months	0	0	0	4	5	9	0	0	0	0	0	0	4	5	9
3 Months - 5 Months	0	0	0	2	7	9	1	1	2	3	1	4	6	9	15
6 Months - 8 Months	0	0	0	5	1	6	0	0	0	1	2	3	6	3	9
9 Months - 11 Months	0	0	0	2	7	9	0	1	1	3	2	5	5	10	15
TOTAL : 1 - 11 Months	0	0	0	13	20	33	1	2	3	7	5	12	21	27	48
GRAND TOTAL	8	4	12	24	33	57	4	2	6	14	15	29	42	50	92

INFANTILE MORTALITY RATES

(Deaths per 1,000 Births)

	EUROPEAN	BANTU	COLOURED	ASIATIC
During 1st 24 hours	7 : 8.6	5 : 7.1	2 : 9.5	9 : 11.0
2nd - 7th day	4 : 4.9	4 : 5.7	0 : 0	7 : 8.5
1 Week - 1 Month	1 : 1.2	15 : 21.3	1 : 4.8	1 : 1.2
1 Month - 2 Months	0 : 0	9 : 12.8	0 : 0	0 : 0
3 Months - 5 Months	0 : 0	9 : 12.8	2 : 9.5	4 : 4.9
6 Months - 8 Months	0 : 0	6 : 8.5	0 : 0	3 : 3.7
9 Months - 11 Months	0 : 0	9 : 12.8	1 : 4.8	5 : 6.1
Infantile Mortality Rate	12 : 14.7	57 : 80.9	6 : 28.6	29 : 35.4

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

European	:	3.5%	
Bantu	:	44.2%	(This figure is unreliable).
Coloured	:	20.7%	
Asiatic	:	20.3%	
All Non-European	:	30.6%	
All Races	:	16.2%	

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	2	3.5	0	0	0	0	2	2.2
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	0	0	0	0	0	0	0	0
Measles	0	0	0	0	0	0	0	0	0	0
Malnutrition	0	0	1	1.7	0	0	1	3.4	2	2.2
Bronchitis and Pneumonia	0	0	12	21.1	1	16.7	6	20.7	19	20.7
Gastro-Enteritis	0	0	15	26.3	1	16.7	7	24.1	23	25.0
Malformations	1	8.3	0	0	0	0	2	6.9	2	2.2
Injury at Birth	1	8.3	1	1.7	0	0	1	3.4	2	2.2
Asphyxia - Atelectasis	1	8.3	1	1.7	1	16.7	3	10.3	5	5.4
Prematurity	7	58.3	13	22.8	0	0	8	27.6	21	22.8
Ill defined causes	0	0	6	10.5	0	0	0	0	6	6.5
Other specified causes	2	16.7	6	10.5	3	50	1	3.4	10	10.9
	12		57		6		29		92	



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	0	0	0	0	0	0	0	0	0	0	0	0
February	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1
March	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1
April	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
June	0	0	0	0	0	0	0	0	0	0	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	1	0	1	0	0	0	1	0	1
September	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
October	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
November	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
December	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL :	1	0	1	2	1	3	1	0	1	2	0	2	5	1	6

DEATH RATES (PER 1,000 POPULATION)

European	:	0.025
Bantu	:	0.1
Coloured	:	0.2
Asiatic	:	0.09
All Non-Europeans	:	0.1
ALL PERSONS	:	0.07

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	1	1	2	0	0	0	0	0	0	1	1	2
1 - 2 years	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
2 - 4 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 -14 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 -24 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 -34 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 -44 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 -54 years	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
5 -64 years	0	0	0	0	0	0	1	0	1	2	0	2	3	0	3
5 -74 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 and Over	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL :	1	0	1	2	1	3	1	0	1	2	0	2	5	1	6







MALIGNANT AND OTHER NEOPLASMS

(Code No. II. 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	1	0	1	1	0	1
2 - 4 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 - 14 years	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
14 - 24 years	2	0	2	0	0	0	0	0	0	0	1	1	0	1	1
24 - 34 years	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
34 - 44 years	2	1	4	0	0	0	0	0	0	0	0	0	0	0	0
44 - 54 years	4	5	9	1	0	1	0	0	0	2	0	2	3	0	3
54 - 64 years	8	5	13	0	1	1	1	1	2	0	1	1	1	3	4
64 - 74 years	3	5	8	1	0	1	0	0	0	1	0	1	2	0	2
74 and Over	4	5	9	1	1	2	0	0	0	1	0	1	2	1	3
<b>TOTAL :</b>	<b>24</b>	<b>23</b>	<b>47</b>	<b>3</b>	<b>2</b>	<b>5</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>5</b>	<b>2</b>	<b>7</b>	<b>9</b>	<b>5</b>	<b>14</b>

DEATH RATE PER 1,000 POPULATION

European	:	1.2
Bantu	:	0.2
Coloured	:	0.4
Asiatic	:	0.3
All Non-European	:	0.3
<b>ALL PERSONS</b>	<b>:</b>	<b>0.6</b>

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 -	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0 Lip	0	0	0	0	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	0	0	0
3 Oral Mesopharynx	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Pharynx, unspec.	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 Oesophagus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Stomach	0	0	0	0	1	1	0	0	3	0	1	0	0	0	0	0
12 Small intestine (inc. duodenum)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 Large intest. (exc. rectum)	0	0	0	0	1	0	0	0	1	2	0	1	2	3	1	0
14 Rectum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Biliary pass. & liver	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
16 Liver (sec. & unspec.)	0	0	0	0	0	0	0	0	0	0	0	0	2	1	1	0
17 Pancreas	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
18 Peritoneum	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
19 Larynx	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0
2 Trachea, bronchus & lung - primary	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 Trachea - Secondary	0	0	0	0	0	0	0	0	1	0	0	0	2	1	1	0
20 Breast	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0
21 Cervix uteri	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0
22 Corpus uteri	0	0	0	0	0	0	0	0	0	1	0	1	0	3	0	0
25 Ovary, Fallopian tube and broad lig.	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1	0
27 Prostate	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Testis	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Other & unspec. male genital org.	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
30 Kidney	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
31 Bladder/Urinary org.	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
32 Melanoma of skin	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
33 Eye	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
34 Thyroid Gland	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	0
35 Bone	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	0
36 Secondary & unspec. mgnt. neop. of lymph nodes	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
39 Other & unspec. sites	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0
40 Lymphosarcoma and reticulosarcoma	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
41 Hodgkin's disease	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0
42 Leukaemia & aukaemia	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
43 Unspec. nature brain & parts-ner. system	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>3</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>12</b>	<b>10</b>	<b>4</b>	<b>3</b>	<b>7</b>	<b>10</b>	<b>4</b>	<b>1</b>

STATE OF TEXAS

(Continued)

STATE OF TEXAS

Item	Quantity	Unit	Value
1	1000	...	...
2	...	...	...
3	...	...	...
4	...	...	...
5	...	...	...
6	...	...	...
7	...	...	...
8	...	...	...
9	...	...	...
10	...	...	...
11	...	...	...
12	...	...	...
13	...	...	...
14	...	...	...
15	...	...	...
16	...	...	...
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18	...	...	...
19	...	...	...
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21	...	...	...
22	...	...	...
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43	...	...	...
44	...	...	...
45	...	...	...
46	...	...	...
47	...	...	...
48	...	...	...
49	...	...	...
50	...	...	...

STATE OF TEXAS

(Continued)

STATE OF TEXAS

Item	Quantity	Unit	Value
1	...	...	...
2	...	...	...
3	...	...	...
4	...	...	...
5	...	...	...
6	...	...	...
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27	...	...	...
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41	...	...	...
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43	...	...	...
44	...	...	...
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46	...	...	...
47	...	...	...
48	...	...	...
49	...	...	...
50	...	...	...

DISEASES OF THE CIRCULATORY SYSTEM

(Code Nos. VII. 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
Under 1 year	1	0	1	0	0	0	0	0	0	0	1	1	0	1	1
1 - 2 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 - 4 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 - 14 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 - 24 years	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1
25 - 34 years	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
35 - 44 years	2	1	3	1	0	1	0	0	0	0	0	0	1	0	1
45 - 54 years	15	4	19	0	2	2	1	0	1	7	2	9	8	4	12
55 - 64 years	9	5	14	2	0	2	0	1	1	6	5	11	8	6	14
65 - 74 years	20	14	34	0	3	3	0	1	1	5	7	12	5	11	16
75 and Over	31	38	69	0	0	0	1	1	2	9	0	9	10	1	11
TOTAL :	79	62	141	3	5	8	2	3	5	28	15	43	33	23	56

DEATH RATE (PER 1,000 POPULATION)

European	:	3.5
Bantu	:	0.3
Coloured	:	1.0
Asiatic	:	1.9
All Non-European	:	1.0
ALL PERSONS	:	2.1

STATEMENT OF THE REVENUE DEPARTMENT

(Code Book VII, 1951 - 1952)

STATE OF TEXAS

MONTH	REVENUE			EXPENSES			BALANCE		
	1951	1952	1953	1951	1952	1953	1951	1952	1953
1	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0

STATEMENT OF THE REVENUE DEPARTMENT

Expenses : 3.2

Income : 0.3

Balance : 1.0

Total : 1.3

Balance : 1.0

Total : 2.1

DEATHS DUE TO PNEUMONIA AND BRONCHITIS  
(Code Nos. VIII. 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
January	0	0	0	2	0	2	0	0	0	0	1	1	2	1	3
February	0	0	0	1	0	1	0	0	0	1	0	1	2	1	3
March	0	0	0	3	1	4	0	0	0	1	0	1	4	1	5
April	2	0	2	0	2	2	0	0	0	0	0	0	0	2	2
May	2	2	4	1	1	2	0	0	0	1	1	2	2	2	4
June	1	0	1	0	1	1	0	1	1	1	1	2	1	3	4
July	4	5	9	1	1	2	1	0	1	5	3	8	7	4	11
August	1	0	1	1	0	1	0	0	0	0	0	0	1	0	1
September	2	1	3	0	1	1	0	0	0	0	1	1	0	2	2
October	0	1	1	0	1	1	1	0	1	0	0	0	1	1	2
November	0	1	1	2	2	4	0	0	0	0	1	1	2	3	5
December	1	0	1	0	1	1	0	0	0	0	2	2	0	3	3
TOTAL :	13	10	23	11	11	22	2	1	3	9	10	19	22	22	44

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	0	0	0	7	5	12	1	0	1	2	4	6	10	9	19
1 - 2 years	0	2	2	1	1	2	0	0	0	1	1	2	2	2	4
2 - 4 years	0	0	0	1	2	3	0	0	0	1	1	2	2	3	5
5 - 14 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 - 24 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 - 34 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 - 44 years	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
45 - 54 years	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1
55 - 64 years	1	0	1	1	1	2	0	0	0	1	1	2	2	2	4
65 - 74 years	2	1	3	0	1	1	0	0	0	1	1	2	1	2	3
75 and Over	10	7	17	0	1	1	1	1	2	2	2	4	3	4	7
TOTAL :	13	10	23	11	11	22	2	1	3	9	10	19	22	22	44

Bronchitis	0	1	1	1	0	1	0	0	0	3	2	5	4	2	6
Pneumonia	13	9	22	10	11	21	2	1	3	6	8	14	18	20	38
TOTAL :	13	10	23	11	11	22	2	1	3	9	10	19	22	22	44

DEATH RATES PER 1,000 POPULATION

BRONCHITIS : Code Nos. 500 - 502.

European	:	0.025
Bantu	:	0.04
Coloured	:	0
Asiatic	:	0.2
All Non-European	:	0.1
ALL PERSONS	:	0.07

PNEUMONIA : Code Nos. 490 - 493.

European	:	0.5
Bantu	:	0.8
Coloured	:	0.6
Asiatic	:	0.6
All Non-European	:	0.7
ALL PERSONS	:	0.6

TABLE NO. 1. SUMMARY OF THE RESULTS OF THE ANALYSES OF THE WATER SUPPLY AT THE PUMP HOUSE.

(Data for 1901 to 1902)

DATE	TEMPERATURE				SOLIDS				PHOSPHORIC ACID				NITRATES
	MIN.	MAX.	AVERAGE	STANDARD	MIN.	MAX.	AVERAGE	STANDARD	MIN.	MAX.	AVERAGE	STANDARD	
1901-1-1	35	65	45	10	5	15	10	10	0.1	0.2	0.15	0.05	1.5
1901-2-1	45	75	55	15	10	20	15	15	0.2	0.3	0.25	0.10	2.0
1901-3-1	55	85	65	20	15	25	20	20	0.3	0.4	0.35	0.15	2.5
1901-4-1	65	95	75	25	20	30	25	25	0.4	0.5	0.45	0.20	3.0
1901-5-1	75	105	85	30	25	35	30	30	0.5	0.6	0.55	0.25	3.5
1901-6-1	85	115	95	35	30	40	35	35	0.6	0.7	0.65	0.30	4.0
1901-7-1	95	125	105	40	35	45	40	40	0.7	0.8	0.75	0.35	4.5
1901-8-1	105	135	115	45	40	50	45	45	0.8	0.9	0.85	0.40	5.0
1901-9-1	115	145	125	50	45	55	50	50	0.9	1.0	0.95	0.45	5.5
1901-10-1	125	155	135	55	50	60	55	55	1.0	1.1	1.05	0.50	6.0
1901-11-1	135	165	145	60	55	65	60	60	1.1	1.2	1.15	0.55	6.5
1901-12-1	145	175	155	65	60	70	65	65	1.2	1.3	1.25	0.60	7.0

TABLE NO. 2. ANALYSIS OF THE WATER SUPPLY AT THE PUMP HOUSE.

DATE	TEMPERATURE				SOLIDS				PHOSPHORIC ACID				NITRATES
	MIN.	MAX.	AVERAGE	STANDARD	MIN.	MAX.	AVERAGE	STANDARD	MIN.	MAX.	AVERAGE	STANDARD	
1902-1-1	35	65	45	10	5	15	10	10	0.1	0.2	0.15	0.05	1.5
1902-2-1	45	75	55	15	10	20	15	15	0.2	0.3	0.25	0.10	2.0
1902-3-1	55	85	65	20	15	25	20	20	0.3	0.4	0.35	0.15	2.5
1902-4-1	65	95	75	25	20	30	25	25	0.4	0.5	0.45	0.20	3.0
1902-5-1	75	105	85	30	25	35	30	30	0.5	0.6	0.55	0.25	3.5
1902-6-1	85	115	95	35	30	40	35	35	0.6	0.7	0.65	0.30	4.0
1902-7-1	95	125	105	40	35	45	40	40	0.7	0.8	0.75	0.35	4.5
1902-8-1	105	135	115	45	40	50	45	45	0.8	0.9	0.85	0.40	5.0
1902-9-1	115	145	125	50	45	55	50	50	0.9	1.0	0.95	0.45	5.5
1902-10-1	125	155	135	55	50	60	55	55	1.0	1.1	1.05	0.50	6.0
1902-11-1	135	165	145	60	55	65	60	60	1.1	1.2	1.15	0.55	6.5
1902-12-1	145	175	155	65	60	70	65	65	1.2	1.3	1.25	0.60	7.0

TABLE NO. 3. ANALYSIS OF THE WATER SUPPLY AT THE PUMP HOUSE.

DATE	TEMPERATURE				SOLIDS				PHOSPHORIC ACID				NITRATES
	MIN.	MAX.	AVERAGE	STANDARD	MIN.	MAX.	AVERAGE	STANDARD	MIN.	MAX.	AVERAGE	STANDARD	
1903-1-1	35	65	45	10	5	15	10	10	0.1	0.2	0.15	0.05	1.5
1903-2-1	45	75	55	15	10	20	15	15	0.2	0.3	0.25	0.10	2.0
1903-3-1	55	85	65	20	15	25	20	20	0.3	0.4	0.35	0.15	2.5
1903-4-1	65	95	75	25	20	30	25	25	0.4	0.5	0.45	0.20	3.0
1903-5-1	75	105	85	30	25	35	30	30	0.5	0.6	0.55	0.25	3.5
1903-6-1	85	115	95	35	30	40	35	35	0.6	0.7	0.65	0.30	4.0
1903-7-1	95	125	105	40	35	45	40	40	0.7	0.8	0.75	0.35	4.5
1903-8-1	105	135	115	45	40	50	45	45	0.8	0.9	0.85	0.40	5.0
1903-9-1	115	145	125	50	45	55	50	50	0.9	1.0	0.95	0.45	5.5
1903-10-1	125	155	135	55	50	60	55	55	1.0	1.1	1.05	0.50	6.0
1903-11-1	135	165	145	60	55	65	60	60	1.1	1.2	1.15	0.55	6.5
1903-12-1	145	175	155	65	60	70	65	65	1.2	1.3	1.25	0.60	7.0

## DEATHS DUE TO GASTRO-ENTERITIS AND COLITIS

(Age 4 weeks and over)

(Code No. IX. 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	0	4	4	0	0	0	1	0	1	1	4	5
February	0	0	0	2	4	6	0	0	0	0	2	2	2	6	8
March	0	0	0	0	1	1	0	0	0	1	0	1	1	1	2
April	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
May	0	0	0	1	1	2	0	0	0	1	0	1	2	1	3
June	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1
July	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
August	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1
September	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1
October	0	0	0	1	1	2	0	0	0	0	0	0	1	1	2
November	0	0	0	0	0	0	0	1	1	2	0	2	2	1	3
December	0	0	0	0	0	0	1	0	1	2	0	2	3	0	3
TOTAL :	0	0	0	5	12	17	1	1	2	9	2	11	15	15	30

## DISTRICTS OF RESIDENCE OF CASES OF ENTERIC

## FEVER AND TUBERCULOSIS

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



TUBERCULOSIS CLINIC

	European						Bantu						Coloured						Asiatic						Total						
	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			
New Cases	47	36	5	1	233	67	491	66	66	21	22	5	2	22	22	21	22	5	2	22	22	5	2	66	39	9	7	367	164	510	76
Total Attendances	124	71	8	9	1023	387	1341	272	272	129	96	12	7	96	96	129	402	273	43	20	273	273	43	20	402	273	104	308	827	104	308
Sputa Examined	21	16	3	9	109	20	158	18	18	14	5	2	2	5	5	14	41	14	3	-	185	55	166	29	3	3	-	185	55	166	29
Sputa Positive	2	2	-	-	7	3	16	-	-	5	-	-	-	-	-	5	6	-	-	-	20	5	16	-	-	-	-	20	5	16	-
X-Ray Examinations	53	41	4	3	180	50	421	33	33	23	17	6	2	17	17	23	59	32	10	4	315	140	441	42	4	4	4	315	140	441	42
X-Ray Positive	22	19	2	3	136	43	262	30	30	20	14	6	2	14	14	20	46	26	8	3	224	102	278	38	3	3	3	224	102	278	38
Positive Diagnosis	12	13	1	1	153	42	277	30	30	15	15	4	2	15	15	15	46	26	7	5	226	96	289	38	5	5	5	226	96	289	38
Adm. to King George V Hospital, S.A.N.T.A. and to Mon-Eur. Inf. Dis. Hosp. from Clinic	2	2	-	1	23	6	35	4	4	2	1	3	1	1	1	2	8	5	9	2	36	14	47	8	2	2	2	36	14	47	8
Contacts Examined	22	22	4	1	131	42	51	4	4	10	16	2	-	16	16	10	40	25	4	2	203	105	61	7	2	2	2	203	105	61	7
	EUROPEAN						BANTU						COLOURED						ASIATIC						TOTAL						
Streptomycin Injections given	60						471						97						158						786						
Home Visits to Tuberculous and their contacts (Borough cases only)	998						2,312						341						925						4,576						



MINIATURE X-RAY CLINIC ATTENDANCES

	EUROPEAN						BANTU						COLOURED						ASLATIC						TOTAL					
	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		
Ref. by Pass Office Med. Examination										61	7	11	22	38	12	1														
Pre-employment X-Ray	70	39								61	7	11	22	38	12	1		230												
										61	7	11	22	38	12	1		230												
Ref. by Employers	65	59	1	77						646	184	81	63	12	5	3		299	3	2						1022	251	87	140	
										646	184	81	63	12	5	3		299	3	2						1022	251	87	140	
										439	10	10	10	5				84								606	51	10	22	
Ref. by Doctors	5	3								132	54	39	2	16	11	3		3	4							8	7	39	2	
										132	54	39	2	16	11	3		3	4							8	7	39	2	
										1	1	227	128					158	98							404	276	294	164	
Voluntary Attendance	151	108	30	20	60	41	62	26	19	13	2	3														230	162	94	49	
Referred by Health Visitor	219	25	4	4	27	10	5											2	7							248	42	4	9	
										27	10	5						2	7							248	42	4	9	
Follow-up X-Ray	55	32	6	2	194	53	17	11	11	386	110	239	80	38	23			44	10							249	74	17	11	
										194	53	17	11	11	10			44	10							249	74	17	11	
TOTALS:	821	495	65	126	8290	637	8336	378	172	112	9	5						1087	296	53	30					10370	1540	8463	537	

GRAND TOTAL : 20,910



## 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.		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		
1. Suspected P. Tuberculosis	66	38	5	4	507	51	370	56	19	111	12	18	4	1	87	42	15	8	681	149	394	69								
2. Other lung conditions	95	32	17	12	123	39	111	19	9	121	14	98	2	348	97	227	33													
3. Cardiac Conditions	2	-	-	-	2	6	1	2	-	-	-	-	-	-	2	3	-	-	6	9	1	2								
4. Spinal or Thoracic cage	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-								
5. Nil abnormal detected	602	401	27	108	7072	315	7591	237	103	696	170	24	18	8473	945	7646	367													
6. Other conditions noted	-	1	-	-	6	3	1	1	-	-	-	-	-	-	-	-	-	-	6	4	1	1								
TOTALS :	766	472	49	124	7710	414	8074	315	133	906	229	137	28	9515	1204	8269	472													

European : 1,411

All Non-European : 18,049

All Persons : 19,460

1911

1911

1911

No.	Name	1911												Total	Remarks	
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec			
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

...

...





PASS OFFICE ANALYSIS

	Borough	Out-of-Borough	Total
Total X-Rayed	5,855	7,263	13,118
Suspect P.T.B.	276	267	543

FOLLOW-UP RESULTS

	Borough	Out-of-Borough	Total
1A. P.T.B. Active	129	124	253
1B. P.T.B. Inactive	7	3	10
2. Other Lung Conditions	2	-	2
3. Cardiac Conditions	-	1	1
4. Spinal or Thoracic Cage	-	-	-
5. N.A.D.	69	70	139
6. Other Conditions Noted	-	-	-
7. Did not Re-attend	69	70	139
TOTAL	276	267	<del>196</del> 543

STATE OF TEXAS

1911	1000	1000	1000
1912	1000	1000	1000
1913	1000	1000	1000

1911	1000	1000	1000
1912	1000	1000	1000
1913	1000	1000	1000
1914	1000	1000	1000
1915	1000	1000	1000
1916	1000	1000	1000
1917	1000	1000	1000
1918	1000	1000	1000
1919	1000	1000	1000
1920	1000	1000	1000

VENEREAL DISEASE

CLINIC ATTENDANCES FOR THE YEAR ENDING 31st DECEMBER, 1962.

(for key) (see page) (50)	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
5	2	7	-	-	40	132	20	124	2	9	2	2	1	8	15	26	-	-	-	-	235	776	99	524	35	79	3	11	29	124	7	35	
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
9	3	-	-	-	462	13	54	22	2	-	-	-	-	7	2	1	-	-	-	-	543	81	122	87	11	-	1	-	26	2	1		
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
17	5	-	-	-	1	62	56	25	35	4	4	-	-	18	12	6	6	13	-	-	136	131	57	72	10	10	-	7	51	42	10	26	
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Total	10	7	-	-	1	729	267	219	278	10	18	4	3	32	32	8	15	36	31	-	4	1536	462	541	965	69	116	6	19	20	176	25	65

19 Disch. on Probn.	3	-	-	1	163	164	79	149	3	7	-	1	9	9	1	3
20 Disch. Finally	6	1	-	-	141	56	57	67	6	6	1	2	12	18	3	7

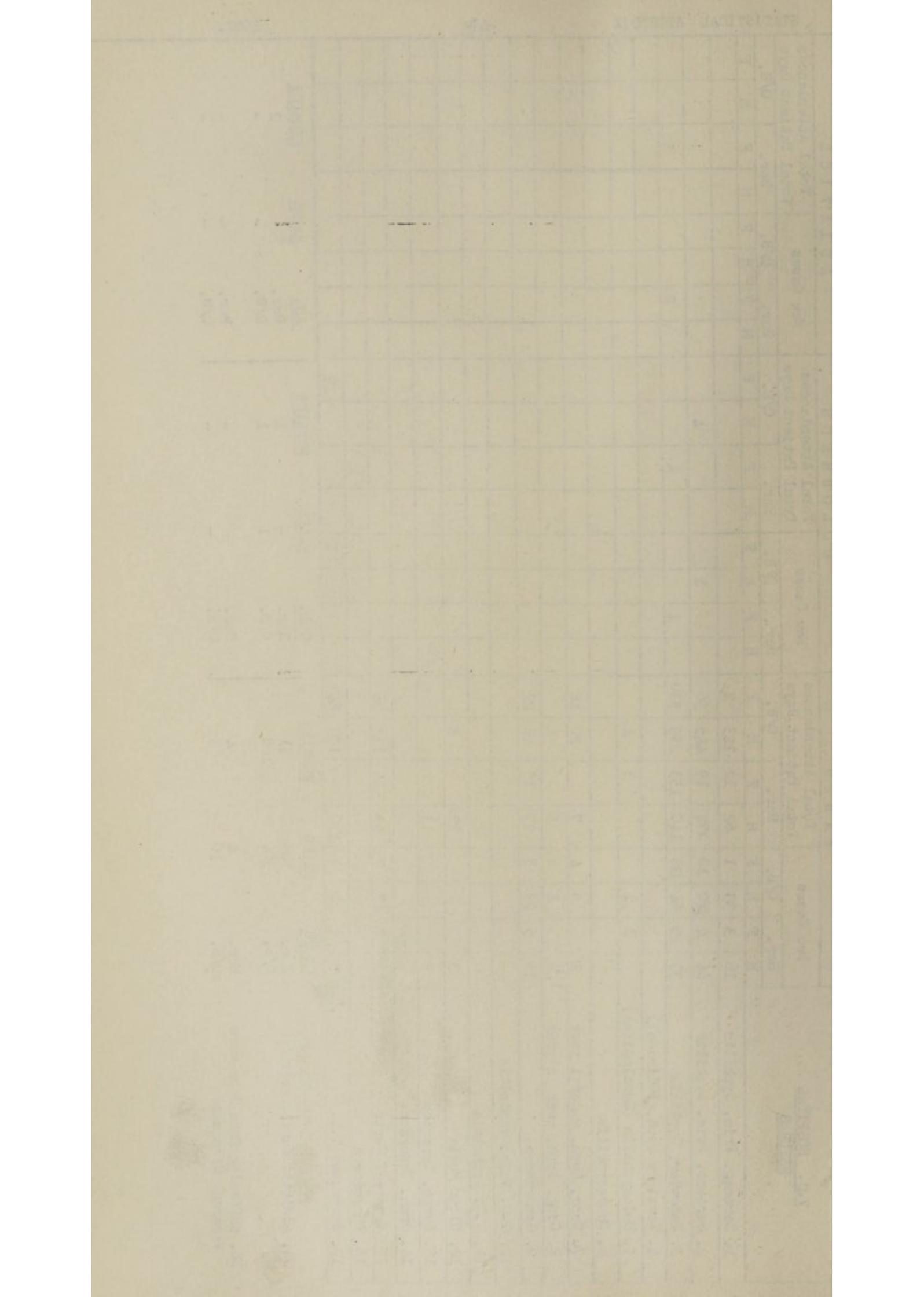




PHYSICAL RECORD

NO.	DATE	TIME	PLACE	REMARKS	INITIALS	REMARKS	INITIALS
1	1	-	2	21	1	1	1
2	1	1	2	21	1	1	1
3	1	1	2	21	1	1	1
4	1	1	2	21	1	1	1
5	1	1	2	21	1	1	1
6	1	1	2	21	1	1	1
7	1	1	2	21	1	1	1
8	1	1	2	21	1	1	1
9	1	1	2	21	1	1	1
10	1	1	2	21	1	1	1
11	1	1	2	21	1	1	1
12	1	1	2	21	1	1	1
13	1	1	2	21	1	1	1
14	1	1	2	21	1	1	1
15	1	1	2	21	1	1	1
16	1	1	2	21	1	1	1
17	1	1	2	21	1	1	1
18	1	1	2	21	1	1	1
19	1	1	2	21	1	1	1
20	1	1	2	21	1	1	1
21	1	1	2	21	1	1	1
22	1	1	2	21	1	1	1
23	1	1	2	21	1	1	1
24	1	1	2	21	1	1	1
25	1	1	2	21	1	1	1
26	1	1	2	21	1	1	1
27	1	1	2	21	1	1	1
28	1	1	2	21	1	1	1
29	1	1	2	21	1	1	1
30	1	1	2	21	1	1	1
31	1	1	2	21	1	1	1
32	1	1	2	21	1	1	1
33	1	1	2	21	1	1	1
34	1	1	2	21	1	1	1
35	1	1	2	21	1	1	1
36	1	1	2	21	1	1	1
37	1	1	2	21	1	1	1
38	1	1	2	21	1	1	1
39	1	1	2	21	1	1	1
40	1	1	2	21	1	1	1
41	1	1	2	21	1	1	1
42	1	1	2	21	1	1	1
43	1	1	2	21	1	1	1
44	1	1	2	21	1	1	1
45	1	1	2	21	1	1	1
46	1	1	2	21	1	1	1
47	1	1	2	21	1	1	1
48	1	1	2	21	1	1	1
49	1	1	2	21	1	1	1
50	1	1	2	21	1	1	1

V.D. HOSPITAL RETURNS	BANTU						COLOURED S						ASIATICS						
	New Cases			Total Attendances Total Patient Days			New Cases			Total Attendances Total Patient Days			New Cases			Total Attendances Total Patient Days			
	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	
1. Seroneg. Prim. Syphilis	16	3	33	1	62	12	123	2											
2. Seropos. Prim. Syphilis	64	4	120	10	272	19	445	36	1										
3. Secondary Syphilis	39	39	64	136	140	153	255	530	1									8	
4. Tertiary Syph. (Clinical)																			
5. Endosyphilis (Serological)	1	1				3	4												
6. Neurosyphilis																			
7. Cong. Syph. under 1 year	1		5	4	7		20	18											
8. Cong. Syph. over 1 year	1		1		5		4												
9. Gonorrhoea	15	5	23	5	27	15	42	22											
10. G.C. Vulvo-vaginitis																			
11. G.C. Ophthalmia																			
12. Ulcus Molle	3		2		12		8												
13. Lymph. Venereum	3				13														
14. Gran. Venereum																			
15. Venereal Warts	13	3	43	7	53	14	172	26											
16. Phagedaena																			
17. Suspected V.D.	8		21	9	110		189	64		1									
No. admitted during year	BANTU		MALES		FEMALES		COL.		MALES		FEMALES		AS.		MALES		FEMALES		
	Bor.	O/B.	169	304	51	168	Bor.	O/B.	1	1	1	1	Bor.	O/B.	-	-	2	-	
No. suffering from 2 or more Venereal Diseases	Bor.	O/B.	4	10	4	3	Bor.	O/B.	-	-	-	-	Bor.	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 : 8.

FEMALE : 3.

TOTAL : 11.

VENEREAL DISEASE HOME VISITS

	European	Bantu	Coloured	Asiatic	Total	
	M : F	M : F	M : F	M : F	M : F	PERSONS
1962	- : -	885 : 849	1 : 3	- : 2	886 : 854	1,740

GENERAL INDEX - continued

TABLE 1. GENERAL INDEX - continued

1. Agriculture and Forestry
2. Commerce and Finance
3. Education
4. Employment and Unemployment
5. Health and Vital Statistics
6. Industry and Manufacturing
7. International Trade
8. Labor
9. Land and Water Resources
10. Law and Government
11. Migration and Population
12. Public Administration
13. Public Health and Sanitation
14. Public Utilities
15. Railroads and Transportation
16. Social Security
17. Statistics of the United States
18. Unemployment

TABLE 2. GENERAL INDEX - continued

19. War and Defense  
 20. Miscellaneous

Page	Page	Page	Page
1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16

VENEREAL DISEASE Cont'd.

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

YEAR ENDING 31st DECEMBER, 1962.

	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	1		1		3	1		1		1		11		11		1		16		8		1		65		74		2		10		2		
No. of Positive or Doubtful Reactors	1		1									9		10		1		5		2				55		76		1		8		2		
No. of those who had previously received treatment												4		3		1		1		1				13		12		1		4				
No. undergoing a First Course of treatment during pregnancy	1		3		1		1		1		1		6		8		1		7		5		1		58		70		1		7		2	
No. undergoing a 2nd or 3rd Course of treatment during pregnancy												3		1				1														3		

The table consists of 14 columns and 22 rows. The columns are headed with labels that are mostly illegible due to fading, but appear to include terms such as 'Date', 'Particulars', 'Debit', and 'Credit'. The rows are empty, suggesting the page has not been filled out.

OFFICE OF ACCOUNTS

THE UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT

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	6	-	-	-	6	1	-	-	-	1	7
Measles	44	3	6	-	53	3	27	2	-	32	85
Measles & Encephalitis	-	-	-	1	1	-	-	-	-	-	1
Diphtheria	7	4	6	3	20	4	155	-	5	164	184
Diphtheria and Kwashiorkor	-	-	-	-	-	-	1	-	-	1	1
Diphtheria Carrier	-	1	2	-	3	-	-	-	1	1	4
Mumps	14	-	1	-	15	-	4	-	-	4	19
Mumps and Pulmonary Tuberculosis	-	-	-	-	-	-	1	-	-	1	1
Whooping Cough	4	-	1	-	5	-	9	-	-	9	14
Chicken Pox	13	-	2	-	15	-	7	1	-	8	23
G.S. Fever	-	-	1	-	1	-	1	-	-	1	2
Meningitis (Virus etc.)	3	-	1	-	4	9	1	-	-	10	14
German Measles	10	-	1	-	11	-	-	-	-	-	11
T.B. Meningitis	-	-	-	1	1	-	-	-	-	-	1
Pulmonary Tuberculosis	1	47	7	14	69	-	79	7	4	90	159
Poliomyelitis	-	-	-	-	-	-	5	-	-	5	5
Typhoid Fever	-	-	-	-	-	6	-	-	-	6	6
Encephalitis	-	-	-	-	-	3	-	-	-	3	3
Inf. Hepatitis	1	-	-	-	1	-	-	-	-	-	1
Kwashiorkor & Measles	-	-	-	-	-	-	1	-	-	1	1
<b>TOTAL :</b>	103	55	28	19	205	26	291	10	10	337	542

POPULATION IN GREAT BRITAIN AND IRELAND

Year	Great Britain				Ireland				Total
	Male	Female	Total	Population	Male	Female	Total		
1901	14,500,000	14,000,000	28,500,000	4,500,000	4,000,000	8,500,000	37,000,000		
1911	15,500,000	14,500,000	30,000,000	4,000,000	3,500,000	7,500,000	37,500,000		
1921	16,500,000	15,500,000	32,000,000	3,500,000	3,000,000	6,500,000	38,500,000		
TOTAL	46,500,000	44,000,000	90,500,000	12,500,000	10,500,000	23,000,000	113,500,000		

ISOLATION HOSPITAL AND NON-EUROPEAN INFECTIOUS  
DISEASES HOSPITAL

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

BOROUGH CASES

- In 2 cases (Col.) diagnosis Diphtheria Carrier altered to "Non Virulent".
- In 1 case (Col.) diagnosis Diphtheria altered to Pneumonia.
- In 5 cases (4 Eur., 1 Bantu) diagnosis Diphtheria altered to Tracheitis or Pharyngitis or Laryngitis or Tonsillitis.
- In 1 case (Bantu) diagnosis Diphtheria altered to Thrush.
- In 1 case (Eur.) diagnosis German Measles altered to Measles.
- In 1 case (Eur.) diagnosis Measles altered to German Measles.
- In 1 case (Eur.) diagnosis Measles altered to Ringworm.
- In 1 case (Eur.) diagnosis Measles altered to Teething.
- In 3 cases (Eur.) diagnosis Measles altered to Influenza.
- In 1 case (Col.) diagnosis Chicken Pox altered to Secondary Syphilis.
- In 1 case (Eur.) diagnosis Meningitis altered to Influenza.
- In 1 case (Eur.) diagnosis Whooping Cough altered to Pneumonitis.

OUT-OF-BOROUGH CASES.

- In 4 cases (Bantu) diagnosis Diphtheria altered to Pharyngitis/Tonsillitis/Tracheo Bronchitis/Bronchitis/Laryngitis.
- In 1 case (Bantu) diagnosis Diphtheria altered to Influenza and Ascariasis.
- In 3 cases (Bantu) diagnosis Diphtheria altered to Measles.
- In 4 cases (Eur.) diagnosis Meningitis altered to Influenza.
- In 1 case (Eur.) diagnosis Meningitis altered to Gastro Enteritis.
- In 1 case (Bantu) diagnosis Meningitis altered to Virus Encephalitis.
- In 1 case (Bantu) diagnosis Poliomyelitis altered to Cerebral Tumour.
- In 1 case (Eur.) diagnosis Typhoid Fever altered to Paratyphoid Fever.
- In 1 case (Bantu) diagnosis Pulmonary Tuberculosis altered to Non-Pulmonary Tuberculosis.
- In 2 cases (Eur.) diagnosis Encephalitis altered to Aseptic Meningitis.
- In 2 cases (Eur.) diagnosis Encephalitis altered to Lymphocytic Meningitis.
- In 1 case (Bantu) diagnosis Whooping Cough altered to Broncho Pneumonia.
- In 1 case (Col.) diagnosis Measles altered to Pneumonia.



INFANT WELFARE1. INFANT CLINICS

	European	Bantu	Coloured	Asiatic
<u>NEW CASES:</u>				
Under 1 Year	638	672	215	780
Over 1 Year	11	34	16	7
TOTAL:	649	706	231	787
<u>ATTENDANCES:</u>				
Under 1 Year	8588	9969	2387	10190
Over 1 Year	547	2657	528	1501
TOTAL:	9135	12626	2915	11691
Number on Register	1072	1211	464	1540
Average Attendance per person	8.5	10.4	6.3	7.6

2. HOME VISITS

	European	Bantu	Coloured	Asiatic	Total
Ante-Natal	12	9	9	167	197
First Visits-(Notified Births)	617	356	161	801	1935
Re-Visits - under 1 year	327	956	789	1205	3277
Re-Visits - over 1 year	645	1725	1475	2532	6377
Infectious Disease (Non-T.B.)	93	3	4	5	105
Protected Infants	-	12	-	-	12
Pediculosis & Scabies Visits	1	-	-	1	2
Infantile Mortality Visits	15	49	2	26	92
Other Home Visits	160	18	-	84	262
TOTAL:	1870	3128	2440	4821	12259

3. MILK DISTRIBUTED

	European	Bantu	Coloured	Asiatic	Total
Fresh - Pints	3802	12396	1312	12226	29736
Dried - lbs.	419	5150	743	3505	9817

TABLE NO. 1

1. LABOR FORCE

Year	Male	Female	Total	Notes
1950	100	100	200	
1951	105	105	210	
1952	110	110	220	
1953	115	115	230	
1954	120	120	240	
1955	125	125	250	
1956	130	130	260	
1957	135	135	270	
1958	140	140	280	
1959	145	145	290	
1960	150	150	300	
TOTAL	1500	1500	3000	

2. EMPLOYMENT

Year	Male	Female	Total	Notes
1950	80	80	160	
1951	85	85	170	
1952	90	90	180	
1953	95	95	190	
1954	100	100	200	
1955	105	105	210	
1956	110	110	220	
1957	115	115	230	
1958	120	120	240	
1959	125	125	250	
1960	130	130	260	
TOTAL	1300	1300	2600	

3. UNEMPLOYMENT

Year	Male	Female	Total	Notes
1950	20	20	40	
1951	20	20	40	
1952	20	20	40	
1953	20	20	40	
1954	20	20	40	
1955	20	20	40	
1956	20	20	40	
1957	20	20	40	
1958	20	20	40	
1959	20	20	40	
1960	20	20	40	
TOTAL	200	200	400	

FOODSTUFFSSAMPLES TAKEN AND SUBMITTED FOR ANALYSIS.MILK(a) Bacteriological Examination - Breed Counts:

Samples with less than 30,000 bacteria per c.c.	:	3
Samples with between 30,000 and 200,000 bacteria		
per c.c.	:	61
Samples with more than 200,000 bacteria per c.c.	:	5
<u>TOTAL</u>		<u>69</u>

(b) Bacteriological Examination - Plate Counts:

Samples with less than 30,000 bacteria per c.c.	:	7 (inc. 1 Pasteurised)
Samples with between 30,000 and 200,000 bacteria		
per c.c.	:	22
Samples with more than 200,000 bacteria per c.c.	:	19 (inc. 1 Pasteurised)
<u>TOTAL</u>		<u>48 (inc. 2 Pasteurised)</u>

(c) Bacteriological Examination - Faecal B. Coli:

Samples with Faecal B. Coli absent	:	33 (inc. 1 Pasteurised)
Samples with Faecal B. Coli present 1/10 c.c.	:	7
Samples with Faecal B. Coli present 1/100 c.c.	:	26 (inc. 1 Pasteurised)
Samples with Faecal B. Coli present in less than		
1/100 c.c.	:	12 (inc. 2 Pasteurised)
<u>TOTAL</u>		<u>78 (inc. 4 Pasteurised)</u>

(d) Bacteriological Examination - Resazurin Test:

No. of Samples reported satisfactory	:	60
No. of Samples reported Fair	:	9
No. of Samples reported Poor	:	0
<u>TOTAL</u>		<u>69</u>

(e) Chemical Examination (By Government Analyst):

Samples with Solids-Not-Fat 8.5% and over	:	43
Samples with Solids-Not-Fat over 8% and under 8.5%	:	1
Samples with Solids-Not-Fat below 8%	:	0
<u>TOTAL</u>		<u>44</u>

Samples with Butter Fat 3% and over	:	44
Samples with Butter Fat under 3%	:	0
<u>TOTAL</u>		<u>44</u>

(f) Phosphatase Testing of Pasteurised Milk:

Samples sufficiently heat treated	:	410
Samples not sufficiently heat treated	:	4
<u>TOTAL</u>		<u>414</u>

CONFIDENTIAL

1. The first part of the document discusses the general situation of the country and the role of the government in the development of the economy.

2. The second part of the document discusses the role of the government in the development of the economy and the role of the private sector.

3. The third part of the document discusses the role of the government in the development of the economy and the role of the private sector.

4. The fourth part of the document discusses the role of the government in the development of the economy and the role of the private sector.

5. The fifth part of the document discusses the role of the government in the development of the economy and the role of the private sector.

6. The sixth part of the document discusses the role of the government in the development of the economy and the role of the private sector.

7. The seventh part of the document discusses the role of the government in the development of the economy and the role of the private sector.

8. The eighth part of the document discusses the role of the government in the development of the economy and the role of the private sector.

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 (Streams, 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)	261	230	273	1	1	1	1	1	1	2	1	6	2	2	2	2	2	2
Class II (Satis. 1 - 2)	9	33								1	1							
Class III (Suspicious 3-10)	1	6																
Class IV (Unsat. (over 10))	2	4		1	1	1				6	8	3						

Date	Time	Locality	Elevation	Wind	Temp	Humidity	Pressure	Clouds	Remarks	Observations	
										Wind	Temp
1950	0800	...	...	...	...	...	...	...	...	...	...
1950	0900	...	...	...	...	...	...	...	...	...	...
1950	1000	...	...	...	...	...	...	...	...	...	...
1950	1100	...	...	...	...	...	...	...	...	...	...
1950	1200	...	...	...	...	...	...	...	...	...	...
1950	1300	...	...	...	...	...	...	...	...	...	...
1950	1400	...	...	...	...	...	...	...	...	...	...
1950	1500	...	...	...	...	...	...	...	...	...	...
1950	1600	...	...	...	...	...	...	...	...	...	...
1950	1700	...	...	...	...	...	...	...	...	...	...
1950	1800	...	...	...	...	...	...	...	...	...	...
1950	1900	...	...	...	...	...	...	...	...	...	...
1950	2000	...	...	...	...	...	...	...	...	...	...
1950	2100	...	...	...	...	...	...	...	...	...	...
1950	2200	...	...	...	...	...	...	...	...	...	...
1950	2300	...	...	...	...	...	...	...	...	...	...
1950	2400	...	...	...	...	...	...	...	...	...	...

Notes: ...

FOODSTUFFS CONDEMNED AS UNFIT FOR HUMAN CONSUMPTION

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

Anchovies .....	2 x 2 ozs.
Albacore .....	14 ozs.
Asparagus .....	10 tins
Apples .....	2 tins
Aniseed .....	2 pkts.
Apple Sauce .....	1 lb.
Apple Spread .....	1 lb. 1½ oz.
Biscuits .....	7 x 4 ozs., 9 x 8 ozs.
Biscuits - dog .....	1 x 1 lb.
Beef and Vegetables .....	3 tins
Beef - chopped .....	1 jar
Beans - Green .....	63 pockets; 2 lbs. & 15 ozs.
Beans - Tinned .....	23 tins
Beans - Baked .....	8 tins
Cake Meal .....	7 pkts.
Cocoanut .....	1 x ½ oz.
Cinnamon .....	1 pkt.
Crab .....	2 tins
Chutney .....	1 bot.; 42 jars
Cherries - in Syrup .....	2 lbs.
Cheese Whirl .....	1 bot.
Cucumbers .....	3 poc.; 21 trays
Cereals .....	29 pkts.; 2 bott.
Cabbages .....	14 bags
Carrots .....	53 pock.
Crumbs .....	11 x 8 ozs.
Ducks .....	3
Dates .....	8 x 1 lb.; 23 x 8 oz.
Eggs .....	38 <sup>7</sup> / <sub>12</sub> doz.
Eggs - Duck .....	2 <sup>3</sup> / <sub>12</sub> doz.
Egg Noodles .....	23 x 8 oz. pkts.
Fowls .....	61
Fish - fresh .....	117 lbs.
Fish paste .....	1 bott.; 2 jars
Fish - pickled and curried .....	145 tins
Fish - tinned .....	3905 tins
Fruit - juice .....	71 tins
Fruit - Preserved .....	1 x 2 lbs.
Fruit Salad .....	1 tin
Fruit - Canned .....	123 cans
Flour .....	10 lbs.
Flour - Cake .....	1 x 5 lbs.
Flour - Self Rising .....	11 x 1 lb.

EXHIBIT NO. 100

CHICAGO

The following exhibits were introduced and admitted in the Chicago case and to copies which are attached:

1	Exhibit 100 - Chicago	100
2	Exhibit 101 - Chicago	101
3	Exhibit 102 - Chicago	102
4	Exhibit 103 - Chicago	103
5	Exhibit 104 - Chicago	104
6	Exhibit 105 - Chicago	105
7	Exhibit 106 - Chicago	106
8	Exhibit 107 - Chicago	107
9	Exhibit 108 - Chicago	108
10	Exhibit 109 - Chicago	109
11	Exhibit 110 - Chicago	110
12	Exhibit 111 - Chicago	111
13	Exhibit 112 - Chicago	112
14	Exhibit 113 - Chicago	113
15	Exhibit 114 - Chicago	114
16	Exhibit 115 - Chicago	115
17	Exhibit 116 - Chicago	116
18	Exhibit 117 - Chicago	117
19	Exhibit 118 - Chicago	118
20	Exhibit 119 - Chicago	119
21	Exhibit 120 - Chicago	120
22	Exhibit 121 - Chicago	121
23	Exhibit 122 - Chicago	122
24	Exhibit 123 - Chicago	123
25	Exhibit 124 - Chicago	124
26	Exhibit 125 - Chicago	125
27	Exhibit 126 - Chicago	126
28	Exhibit 127 - Chicago	127
29	Exhibit 128 - Chicago	128
30	Exhibit 129 - Chicago	129
31	Exhibit 130 - Chicago	130
32	Exhibit 131 - Chicago	131
33	Exhibit 132 - Chicago	132
34	Exhibit 133 - Chicago	133
35	Exhibit 134 - Chicago	134
36	Exhibit 135 - Chicago	135
37	Exhibit 136 - Chicago	136
38	Exhibit 137 - Chicago	137
39	Exhibit 138 - Chicago	138
40	Exhibit 139 - Chicago	139
41	Exhibit 140 - Chicago	140
42	Exhibit 141 - Chicago	141
43	Exhibit 142 - Chicago	142
44	Exhibit 143 - Chicago	143
45	Exhibit 144 - Chicago	144
46	Exhibit 145 - Chicago	145
47	Exhibit 146 - Chicago	146
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91	Exhibit 190 - Chicago	190
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93	Exhibit 192 - Chicago	192
94	Exhibit 193 - Chicago	193
95	Exhibit 194 - Chicago	194
96	Exhibit 195 - Chicago	195
97	Exhibit 196 - Chicago	196
98	Exhibit 197 - Chicago	197
99	Exhibit 198 - Chicago	198
100	Exhibit 199 - Chicago	199

FOODSTUFFS CONDEMNED Cont'd.

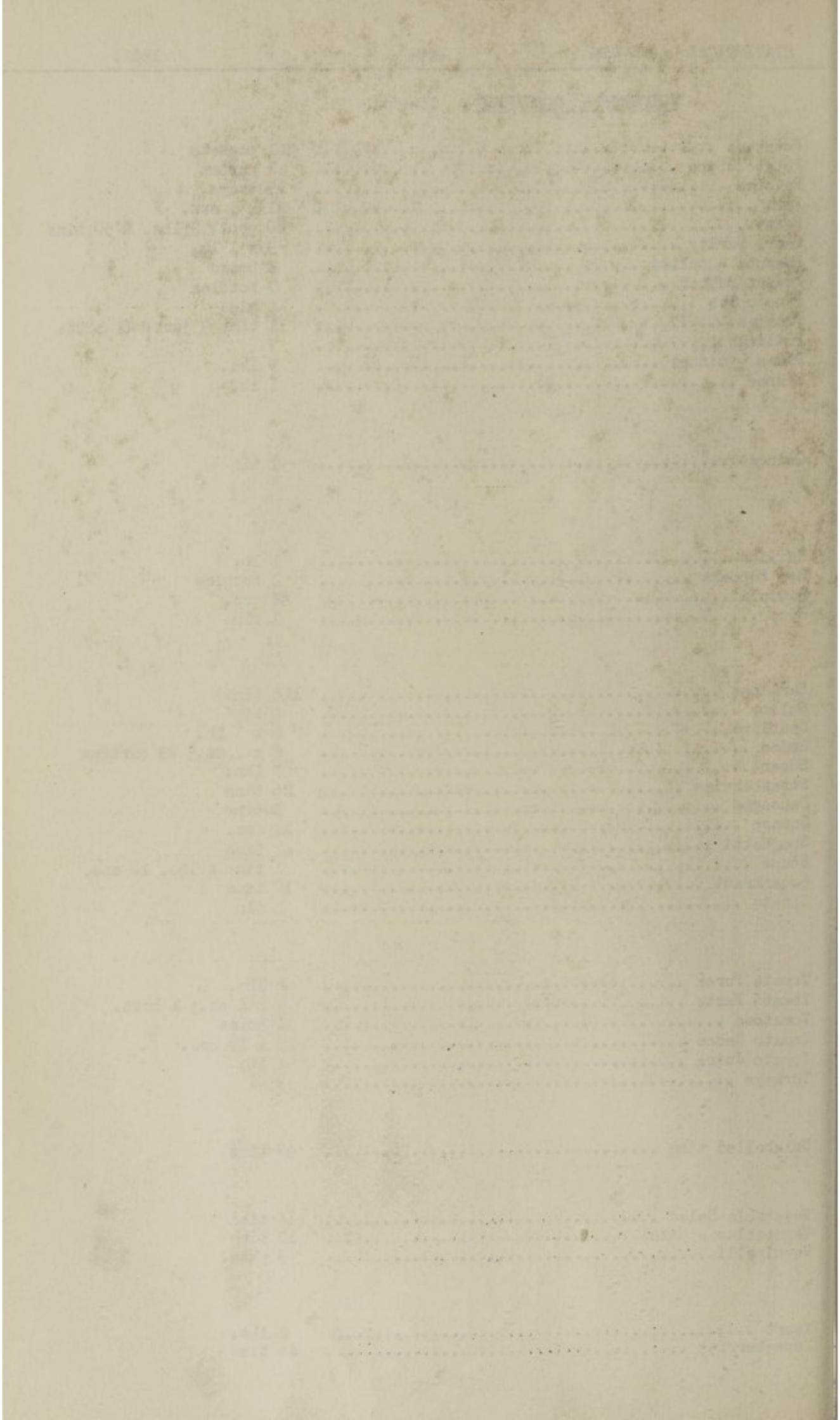
Grapefruit .....	169 poc.
Giblets .....	2
Guava - Jelly .....	6 tins
Guava - Cocktail .....	31 x 12 ozs.
Haddock .....	17 pkts.
Herrings .....	25 tins
Herring - Roes .....	4 x 4 ozs.
Herbs .....	1 pkt.
Ice Cream Powder .....	2 cartons
Jam .....	86 $\frac{1}{2}$ lbs.
Jelly .....	2 pkts.; 13 cartons; 3 tins
Kidneys .....	1 tin
Kippers .....	4 tins
Lemon Juice .....	1 bottle
Lemon Curd .....	1 jar
Lemons .....	49 pockets
Lentils .....	2 x 1 lb.
Lime Juice .....	1 bottle
Meat and Vegetables .....	9 tins
Meat - tinned .....	8 tins
Meat - paste .....	2 x 3 ozs.; 2 x 2 ozs.
Meat - corned .....	59 tins
Milk-shake mix .....	1 bot.
Milk - condensed .....	2 tins
Milk - evaporated .....	10 tins
Maltabella .....	9 pkts.
Meal .....	9 tins
Mushrooms .....	2 x 10 ozs.
Matzos .....	14 lbs.
Macaroni .....	13 pkts.
Marmalade .....	9 tins
Mayonnaise .....	10 $\frac{1}{4}$ bottles
Nuts - mixed .....	1 tin
Nestum .....	1 x 8 ozs.
Oatmeal .....	13 x 1 lb.
Olives .....	6 x 6 ozs.
Oranges in Syrup .....	5 tins
Oats .....	32 lbs.
Onions - Cocktail .....	3 x 5 ozs.
Onions - Pickled .....	63 jars
Olive Oil .....	44 x 3 $\frac{3}{4}$ ozs.

STATISTICAL STATEMENTS

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1930	.....	.....
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FOODSTUFFS CONDEMNED Cont'd.

Potatoes .....	261 pockets
Potato Chips .....	1 carton
Peaches .....	11 trays
Pate .....	21 x 4 ozs.
Peas .....	20 poc.; 3 lbs. & 50 tins
Pearl Barley .....	3 x 1 lb.
Peanuts - salted .....	8 boxes
Peanut Butter .....	7 bottles
Pineapples .....	4 tins
Pickles .....	1 tin; 9 jars; 24 bott.
Puddings .....	7
Plums - tinned .....	9 lbs.
Prunes .....	1 lb.
Quinces .....	1 tin
Raisins .....	1 lb.
Red Peppers .....	2 bottles
Ravioli .....	42 ozs.
Rice .....	1 tin
Sardines .....	446 tins
Salmon .....	1 tin
Semolina .....	8 x 1 lb.
Spice .....	6 x 2 oz.; 23 cartons
Sugar .....	5 lbs.
Strawberries .....	26 tins
Sausages .....	3 tins
Squash .....	24 doz.
Spaghetti .....	42 tins
Soups .....	1 tin; 4 lbs. 10 ozs.
Sauerkraut .....	10 tins
Sprats .....	1 tin
Tomato Puree .....	6 lbs.
Tomato Paste .....	1 x 4 oz.; 1 bott.
Tomatoes .....	31 boxes
Tomato Sauce .....	23 x 1½ ozs.
Tomato Juice .....	1 lb.
Turkeys .....	3
Unlabelled tins .....	43 tins
Vegetable Salad .....	14 tins
Vegetables - Mixed .....	12 tins
Vermicelli .....	3 pkts.
Yeast .....	2 lbs.
Youngberries .....	46 tins



ABATTOIR1. ANIMALS SLAUGHTERED:

Cattle	:	18,304
Calves	:	3,530
Sheep	:	72,192
Pigs	:	5,969
Goats	:	107
<u>TOTAL</u>		<u>100,102</u>

2. ANIMALS EXAMINED AFTER SLAUGHTER IN OTHER ABATTOIRS:

Carcases of Beef	941
Quarters of Beef	452
Carcases of Mutton	4,094
Carcases of Veal	79

3. INCIDENCE OF CERTAIN DISEASES:

	Carcases Examined	% Infected	Carcases Condemned	% Condemned
CATTLE - "Measles" (Cysticercus Bovis)	18,304	7.8%	235	1.3%
CALVES - "Measles" (Cysticercus Bovis)	3,530	4.2%	58	1.6%
PIGS - "Measles" (Cysticercus Cellulosae)	5,969	0.9%	50	0.8%
CATTLE - Tuberculosis	18,304	0.2%	34	0.18%
CALVES - Tuberculosis	3,530	0	0	0
PIGS - Tuberculosis	5,969	1.0%	0	0

4. SUMMARY OF MEAT CONDEMNED:

	Carcases	Estimated Weight
<u>BEEF:</u>	505	202,000 lbs.
BEEF: Portions of Carcases, Organs, etc.	-	327,560 lbs.
<u>VEAL:</u>	115	4,600 lbs.
VEAL: Portions of Carcases, Organs, etc.	-	4,016 lbs.
<u>PORK:</u>	64	7,680 lbs.
PORK: Organs, etc.	-	11,301 lbs.
<u>SHEEP, GOATS &amp; LAMBS:</u>	120	4,200 lbs.
SHEEP, GOATS & LAMBS: Organs, etc.	-	194,000 lbs.
		<u>755,357 lbs.</u>

REVENUE

ANNUAL STATE REVENUE

1901	1902	1903	1904	1905	1906	1907	1908	1909	1910	1911
1,000,000	1,200,000	1,400,000	1,600,000	1,800,000	2,000,000	2,200,000	2,400,000	2,600,000	2,800,000	3,000,000

REVENUE FROM THE STATE OF TEXAS

1901	1902	1903	1904	1905	1906	1907	1908	1909	1910	1911
1,000,000	1,200,000	1,400,000	1,600,000	1,800,000	2,000,000	2,200,000	2,400,000	2,600,000	2,800,000	3,000,000

REVENUE FROM THE STATE OF TEXAS

Year	Revenue	Expenses	Surplus	Notes
1901	1,000,000	1,200,000	(200,000)	Deficit
1902	1,200,000	1,400,000	(200,000)	Deficit
1903	1,400,000	1,600,000	(200,000)	Deficit
1904	1,600,000	1,800,000	(200,000)	Deficit
1905	1,800,000	2,000,000	(200,000)	Deficit
1906	2,000,000	2,200,000	(200,000)	Deficit
1907	2,200,000	2,400,000	(200,000)	Deficit
1908	2,400,000	2,600,000	(200,000)	Deficit
1909	2,600,000	2,800,000	(200,000)	Deficit
1910	2,800,000	3,000,000	(200,000)	Deficit
1911	3,000,000	3,200,000	(200,000)	Deficit

REVENUE FROM THE STATE OF TEXAS

Year	Revenue	Expenses	Surplus	Notes
1901	1,000,000	1,200,000	(200,000)	Deficit
1902	1,200,000	1,400,000	(200,000)	Deficit
1903	1,400,000	1,600,000	(200,000)	Deficit
1904	1,600,000	1,800,000	(200,000)	Deficit
1905	1,800,000	2,000,000	(200,000)	Deficit
1906	2,000,000	2,200,000	(200,000)	Deficit
1907	2,200,000	2,400,000	(200,000)	Deficit
1908	2,400,000	2,600,000	(200,000)	Deficit
1909	2,600,000	2,800,000	(200,000)	Deficit
1910	2,800,000	3,000,000	(200,000)	Deficit
1911	3,000,000	3,200,000	(200,000)	Deficit

## ABATTOIR Continued.

## CARCASSES TOTALLY CONDEMNED AS UNFIT FOR HUMAN CONSUMPTION.

Disease or Condition	Bovines	Calves	Sheep	Goats	Pigs
denitis (Acute and Generalised)	-	1	-	-	-
denitis and Enteritis (Acute)	-	-	-	-	1
naemia (Acute)	1	-	-	-	-
naemia and Emphysema	-	-	1	-	-
naemia and Oedema	1	-	-	-	-
naplasmosis	1	-	-	-	-
bacterial Necrosis (Acute)	-	-	1	-	-
ruising (Generalised)	19	-	1	-	-
ruising and C. Bovis	7	-	-	-	-
ruising and Fever	43	3	8	-	-
ruising and Oedema	4	-	-	-	-
ruising and Peritonitis	2	-	-	-	-
ruising and Sarcosporidiosis	1	-	-	-	-
arcinoma	1	-	-	-	-
aseous Lymphadenitis (Generalised)	-	-	10	-	-
. Lymphadenitis and Emaciation	-	-	3	-	-
ysticercus Bovis	219	54	-	-	-
ysticercus Bovis and Emaciation	3	-	-	-	-
ysticercus Bovis and Joint Ill	-	1	-	-	-
ysticercus Bovis and Oedema	1	3	-	-	-
ysticercus Bovis and Pyaemia	2	-	-	-	-
ysticercus Bovis and Tuberculosis	2	-	-	-	-
ysticercus Cellulosae	-	-	-	-	50
ecomposition (Imported Carcasses)	5	-	1	-	-
emaciation	14	-	21	-	-
emaciation and Fever	1	-	-	-	-
emaciation and Oedema	11	3	13	-	-
emaciation and Mastitis (Chronic)	1	-	-	-	-
emaciation and Pleurisy	1	-	-	-	-
emaciation and Pneumonia	-	1	-	-	-
ever (Undefined)	5	9	21	-	-
ever and Fractures (Multiple)	-	1	-	-	1
angrene	1	-	-	-	-
epatitis (Acute) and Pleurisy	1	-	-	-	-
icterus	7	7	15	-	-
icterus and Bruising	1	-	-	-	-
Intramuscular Haemorrhages (Generalised)	-	1	-	-	-
oint Ill	-	2	-	-	-
astitis (Septic)	25	-	-	-	-
astitis (Septic) and C. Bovis	1	-	-	-	-
astitis (Septic) and Pneumonia	1	-	-	-	-
astitis and Nephritis (Acute)	1	-	-	-	-
oribund	-	-	8	-	-
ephritis (Septic)	-	-	2	-	-
euro Fibroma	11	-	-	-	-
euro Fibroma and Mastitis (Septic)	1	-	-	-	-
edema	13	3	4	-	-
edema and Peritonitis	1	-	-	-	-
Peritonitis (Acute)	2	1	-	-	-
Peritonitis (Acute) and Pleurisy	6	-	-	-	-
Peritonitis (Septic)	7	-	-	-	-
Peritonitis (Septic) and Emaciation	2	-	-	-	-
Peritonitis (Septic) and Pleurisy	8	-	-	-	-
Pleurisy (Acute) and Peritonitis	-	-	1	-	1
Pleurisy (Septic)	2	-	1	-	-
Pneumonia	-	3	-	-	-
Pneumonia (Gangrenous)	1	-	-	-	-
Pneumonia (Septic)	13	6	5	1	2
Pneumonia (Septic) and Bruising	1	-	-	-	-
Pneumonia (Septic) and Mastitis	1	-	-	-	-
Pneumonia (Septic) and Peritonitis	1	-	-	-	-
Polyarthrititis (Generalised)	-	2	-	-	-
Pyaemia	18	-	-	-	-
Pyaemia and Bruising	1	-	-	-	-
Pyaemia (Umbilical)	-	12	1	-	-
Sarcoma	-	-	1	-	-
Sarcosporidiosis	1	-	-	-	8
Tuberculosis	27	-	-	-	-
Tuberculosis and Emaciation	3	-	-	-	-
Tuberculosis and Pneumonia	2	-	-	-	-
Underdevelopment	-	2	2	-	-
Uraemia	-	-	-	-	1
	505	115	119	1	64



VISCERA AND PORTIONS OF CARCASES CONDEMNED AS  
UNFIT FOR HUMAN CONSUMPTION

	Bovines	Calves	Sheep & Goats	Pigs
Heads	1859	205	122	125
Hearts	892	348	14493	1551
Intestines	1752	204	31586	70
Kidneys	4054	230	280	180
Livers	7511	323	36659	2249
Lungs (Pairs)	3292	348	14493	1551
Spleens	1858	204	14326	70
Tails	690	-	-	-
Tongues	811	205	122	125
Tripes	1623	204	124	70
Portions Estimated Weights	26037 lbs.	100 lbs.	2000 lbs.	400 lbs.

LOCALISED INFECTIONS:

1 Cattle Head condemned due to LOCALISED Tuberculosis infection.  
 1 " Tongue " " " " " "  
 9 " Lungs with  
 Hearts " " " " " "  
 61 Pig Heads with  
 Flucks " " " " " "

113 Cattle Heads and Tongues condemned due to LOCALISED Actinomycotic Lesions.

WISCONSIN AND PORTLAND CEMENTS

WISCONSIN PORTLAND CEMENT

Year	Output	Consumption	Inventory	Estimated Weight
1917	112	112	112	112
1918	112	112	112	112
1919	112	112	112	112
1920	112	112	112	112
1921	112	112	112	112
1922	112	112	112	112
1923	112	112	112	112
1924	112	112	112	112
1925	112	112	112	112
1926	112	112	112	112
1927	112	112	112	112
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2012	112	112	112	112
2013	112	112	112	112
2014	112	112	112	112
2015	112	112	112	112
2016	112	112	112	112
2017	112	112	112	112
2018	112	112	112	112
2019	112	112	112	112
2020	112	112	112	112

WISCONSIN PORTLAND CEMENT

1. Output of Portland Cement in Wisconsin, 1917-1920

2. Consumption of Portland Cement in Wisconsin, 1917-1920

3. Inventory of Portland Cement in Wisconsin, 1917-1920

4. Estimated Weight of Portland Cement in Wisconsin, 1917-1920

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

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

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Applications Received	3	238	32	3	21	257	404	63	9	385	239	228	53	4	-	22
Applications Approved	3	231	28	3	16	229	396	56	6	345	220	180	41	4	-	19
Applications Approved Subject to Requirements	-	6	3	-	5	28	8	6	3	39	19	27	12	-	-	3
Applications Disapproved	-	1	1	-	-	-	-	1	-	-	-	-	-	-	-	-
Applications Withdrawn	-	-	-	-	1	-	-	-	-	1	-	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 .....	241
Applications Returned "Not in Order" .....	8
Applications Returned with requirements .....	27
Applications Approved for Temporary Licence .....	2
Applications Withdrawn .....	2

1. Introduction  
 2. Objectives  
 3. Methodology  
 4. Results  
 5. Discussion  
 6. Conclusion

7. Appendix  
 8. References  
 9. Acknowledgements  
 10. Contact Information

Table 1: Summary of Data

Category	Sub-category	Value 1	Value 2	Value 3	Value 4	Value 5	Value 6	Value 7	Value 8	Value 9	Value 10
Group A	Item 1	10	20	30	40	50	60	70	80	90	100
	Item 2	15	25	35	45	55	65	75	85	95	105
Group B	Item 3	12	22	32	42	52	62	72	82	92	102
	Item 4	18	28	38	48	58	68	78	88	98	108
Group C	Item 5	14	24	34	44	54	64	74	84	94	104
	Item 6	16	26	36	46	56	66	76	86	96	106
Group D	Item 7	11	21	31	41	51	61	71	81	91	101
	Item 8	13	23	33	43	53	63	73	83	93	103
Group E	Item 9	17	27	37	47	57	67	77	87	97	107
	Item 10	19	29	39	49	59	69	79	89	99	109
Group F	Item 11	15	25	35	45	55	65	75	85	95	105
	Item 12	17	27	37	47	57	67	77	87	97	107
Group G	Item 13	13	23	33	43	53	63	73	83	93	103
	Item 14	15	25	35	45	55	65	75	85	95	105
Group H	Item 15	11	21	31	41	51	61	71	81	91	101
	Item 16	13	23	33	43	53	63	73	83	93	103
Group I	Item 17	15	25	35	45	55	65	75	85	95	105
	Item 18	17	27	37	47	57	67	77	87	97	107
Group J	Item 19	13	23	33	43	53	63	73	83	93	103
	Item 20	15	25	35	45	55	65	75	85	95	105

Author's Name

Department Name

Institution Name

Year

SANITATION

Total of Inspections (General) carried out .....	21,933
Total of Rodent Inspections .....	1,604
Total of Notices and Letters served re Contravention of By-Laws ....	3,494

INSPECTIONS (GENERAL) GIVEN IN DETAIL

1. Public Markets .....	297
2. Butchers' Shops .....	192
3. Dealers and General Dealers (Food) .....	904
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TABLE

Total of specimens (number of specimens) ..... 100  
 Total of labels (number of labels) ..... 100  
 Total of labels and specimens (number of labels and specimens) ..... 100

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64.	Defective Surface and Waste Water Drains .....	106
65.	Other Defects .....	39
66.	Unauthorised Structures .....	83
67.	Sites, etc. re Plans .....	707
68.	Water Sampling .....	-

(2) MUNICIPAL BANTU ADMINISTRATION DEPARTMENT.

69.	Licensing and Other Inspections of Premises under Urban Areas Act .....	293
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(3) LICENSING DEPARTMENT.

70.	Inspection of Premises re Licence Applications .....	1,443
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(4) GENERAL.

71.	Other transportation trips .....	132
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TOTAL : 21,933

10	.....	10
11	.....	11
12	.....	12

SECTION 10

13	.....	13
14	.....	14
15	.....	15
16	.....	16
17	.....	17
18	.....	18

SECTION 11

19	.....	19
20	.....	20
21	.....	21
22	.....	22
23	.....	23
24	.....	24

PROSECUTIONS

Total number of Prosecutions instituted .....	22
Under Public Health By-Laws .....	4
Under Dairy By-Laws .....	7
Under Food,Drugs and Disinfectants Act .....	6
Under By-Laws relating to Manufacture, Storage and Sale of Foodstuffs (2 of these in conjunction with General By-Laws) .....	5
Under Sanitary By-Laws .....	0
Under Public Health Act .....	0
Under Abattoir By-Laws .....	0
Under House Drainage By-Laws .....	0
Under General By-Laws .....	0
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<u>TOTAL</u>	22
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Total number in which accused found guilty and penalty imposed .....	13
Total number withdrawn, discharged and pending .....	9
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<u>TOTAL</u>	22
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CONDEMNED PREMISES

Rooms and Buildings Condemned and/or Demolished

(a) Under Public Health By-Law No. 17: (Demolition Orders) .....	21
(Of these premises 20 were demolished during the year, and 1 structure is not yet demolished).	
(b) Under Building By-Laws re dilapidated buildings .....	0
(c) Under Slums Act .....	0
(d) Voluntary Demolitions .....	41
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<u>TOTAL</u>	62
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RESERVATIONS

10	Total number of Reservations Available .....	100
9	Under Public Health System .....	
8	Under Navy System .....	
7	Under Army, Navy and Departmental .....	
6	Under various systems in operation, storage and sale of .....	
5	Reservations of the Government with contract .....	
4	Under various systems .....	
3	Under Public Health System .....	
2	Under various systems .....	
1	Under various systems .....	
	<b>Total</b> .....	<b>100</b>
10	Total number in which contract terms and penalty .....	100
9	Total number of Reservations .....	100

RESERVATIONS

10	(a) Under Public Health System .....	100
9	(b) Under various systems in operation .....	
8	(c) Under various systems .....	
7	(d) Under various systems .....	
6	(e) Under various systems .....	
5	(f) Under various systems .....	
4	(g) Under various systems .....	
3	(h) Under various systems .....	
2	(i) Under various systems .....	
1	(j) Under various systems .....	
	<b>Total</b> .....	<b>100</b>



