TOWN COUNCIL OF BENONI

Annual Report

OF THE

MEDICAL OFFICER OF HEALTH

FOR THE YEAR
1ST OF JULY, 1946 – 30TH OF JUNE, 1947

McL.1947

To His Worship the Mayor,
and Members of the Town Council of Benoni.

Your Worship, Councillor (Mrs.) Mc Dowell,
and Gentlemen,

I have the honour to present to you the Annual Report on the work done by the Health Department during the year ended 30th June, 1947.

Details of the work of the department during the year are discussed in the main body of the report, and it is only necessary here to draw attention to certain salient features.

The birth rates for all sections of the community were the highest yet recorded in Benoni, whilst the death rates remain satisfactory. The Infantile Mortality rate, continues to remain eminently satisfactory.

Housing continues to remain a grave problem ' overcrowding remains rife, affecting all sections of the community, both European and Non-European. An attempt, foreshadowed in the previous annual report, to eradicate some of the worst slum properties in the township, has been partially successful, inasmuch as the demolition of the porperties in question has been deferred pro tem as a consequence of the realisation that alternative housing is a prior necessity. And it is to be hoped that this alternative accommodation, in the form of a new housing project for Coloureds, will be realised during the coming year.

I wish to express my thanks and appreciation to your Worship and Councillors, in particular the Chairman and members of the Public Health Committee for their assistance, support and consideration on all matters submitted to them.

I also wish to express my appreciation to the Town Clerk and his staff, Heads and Sub-Heads of other departments, the Secretary for Health and the Superintendent of the Boksburg-Benoni Hospital for the continued courtesy and assistance extended this Department at all times.

In conclusion I desire to record my grateful thanks to the staff for their loyal support and eager activity during a difficult transitory period.

I have the honour to be,
Lady and Gentlemen,
Your obedient servant,

S.V. ADLER

MEDICAL OFFICER OF HEALTH

REPORT "A"

1. . VITAL STATISTICS

(i) POPULATION (Pages 17 and 18)

The population figures for European, Coloured Indian and Native residents are those estimated on previous census figures and have been supplied by the Union Department of Census and Statistics. The figures for mining natives - native males employed by and resident in mine compounds situated in the municipal area - have been checked locally during the year.

The population figures shew a small overall increase, as compared with the previous year, increases being noted in the European, coloured and Non-Mining native populations. Decreases are to be noted in the figures for the Asiatic population, whilst a further decrease is to be noted in the figures for mining natives, brought about by the further closure of mines in this area, commented upon in the previous report.

	1945-46	1946-47
Europeans	24,207	24,700
Mining Natives	20,754	19,329
Non- Mining Natives	24,468	26,871
Coloured	2,536	2,700
Asiatic	1,228	1,200
Total:Non-Europeans	48,986	50,100
Total: All Races	73,193	74,800

(ii) BIRTHS (Pages 18 and 19)

The European birth rate (29.59) is the highest yet recorded in Benoni, the previous highest being for the year 1941/1942 when the birth rate was 28.16.

The coloured and Asiatic Birth Rates, as usual, remain high, and, like the European Birth Rate, are the highest yet recorded being 46.3 and 57.5 respectively, the previous highest being 45.5 in 1938/39 and 55.45 in 1942/43 respectively.

An increase is to be noted in the masculinity rate, whilst the European Illegitimate Rate (0.56) shows a decided decrease over the preceding year (1.78).

The native Birth Rate remains fallacious owing to continued incomplete registration of native births.

(iii) DEATHS (Pages 20 to 35)

The European Death Rate (7.22) shews a

/decrease.....

decrease over the preceding year (7.52) and remains eminently satisfactory. A substantial decrease, from 24.23 for the previous year to 20.6 for the current year, is to be noted in the Death Rate for Non-Mining Natives.

Decreases are also to be noted in the Death Rates for mining Natives (from 6.07 to 5.12) and for Asiatics (from 15.47 to 10.00), whilst an increase (from 18.54 to 20.39) is to be noted in the Coloured Death Rate.

Decreases are to be noted in the Death rates of various diseases, as under.

	1945/46	1946/47
Lung Diseases (Non T.B.)	4.04	3.37
Enteritis (under 2)	1.38	1.33
Violence	1.02	0.95
Enteric Fever	0.17	0.05
All Infectious Diseases	1.84	1.33

The Death Rate for T.B. (all forms) remains Static, whilst it should be noted that the Death Rate for Cancer has increased from 0.45 for the preceding year to 0.53 for the current year (in the case of Europeans it has increased from 0.7 to 0.99).

(iv) INFANTILE MORTALITY

(Pages 31 and 32)

The European infantile mortality rate (31.46), though slightly higher than that for the preceding year (29.17 - this being the lowest on record) nevertheless remains eminently satisfactory, and compares very favourably indeed with the figure of 54.7 for the year 1936/7 when the Public Health Department was re-organised with the appointment of its first full time Medical Officer of Health.

The Native Infantile Mortality rate continues to be unreliable owing to the incomplete registration of native births.

2. INFECTIOUS DISEASE (Pages 36 to 40)

(i) GENERAL

The total number of accepted notifications decreased from 931 for the preceding year to 753 for the present year, as the result chiefly of fewer notifications received in respect of measles (460 to 261).

(ii) SCARLET FEVER (Page 37)

All the 50 cases notified (c.f. 88 for the previous year) were Europeans. As usual the cases were of a mild nature, with no fatalities. With few exceptions, home isolation was the rule.

(iii) WHOOPING COUGH (Page 37)

/ 172 notifications.....

172 notifications, with three deaths due to complications were received during the year. Most of the cases were of a mild nature and were invariably isolated at home.

(iv) MEASLES (Page 36)

261 cases of measles were notified during the year. As in fact years measles makes its appearance during the months August - November, with its peak during September - October.

Most of the cases were of a mild nature, and with few exceptions, home isolation was the invariable procedure.

(v) DIPHTHERIA (Page 38)

During the year 15 cases of Diphtheria (10 European, 4 Native and 1 Asiatic) were notified the Department. All cases of Diphtheria (as well as suspected cases) are immediately hospitalised. Two deaths (one native and one Asiatic) occurred from this disease during the year.

Anti-Diphtheria Clinics were established several years ago, but despite active propaganda both in the press and in the form of film advertisements, the response, considering the efficacy of immunisation, was poor indeed. Consequently in a further attempt to induce parents to immunise their children, a system of "Birthday Cards" was instituted during the year. A card is sent to the parents of every child in Benoni, one month before the childs first birthday, congratulating the parents and strongly advising the parents to have the child immunised, either at the clinic, where immunisation is free or by private practitioners. Thus far the results have been most encouraging and during the year 396 children (375 Europeans) were immunised, the vast majority being of the pre-school going age, in contra-distinction to previous years when school going children chiefly were immunised.

The method in vogue at the Benoni Clinic is the"3 injection" course with Formal Toxoid or Anatoxine.

(vi) SMALL POX

During November 1946, a non-European, a recent arrival in Benoni and employed by a large industrial firm was found to be suffering from Small Pox. All employees (191 European and 759 Non-Europeans) were re-vaccinated, after having been mass vaccinated the previous year, and no further cases were recorded.

During the year altogether 1869 persons (282 European and 1587 Non-Europeans) were vaccinated by the Department.

/ (vii) PUERPERAL .....

(vii) PUERPERAL SEPSIS

During the year 6 cases, with 1 death, were notified.

(viii) C.S. MENINGITIS (Page 38)

39 cases (3 European, 34 Native, 1 Coloured and 1 Asiatic) of Cerebro. Spinal Meningitis were notified during the year, as compared with 16 for the preceding year.

Five deaths occurred from this disease giving a case mortality of 12.8.

(ix) TRACHOMA

Notifications in respect of two cases, both native, were received during the year.

(x) LEPROSY

No notifications were received during the year.

(xi) ANTERIOR POLIOMYELITIS

No cases of infantile paralysis occurred during the year as compared with two cases for the preceding year and 12 cases for the year 1944/45.

The very large number of cases reported in Britain during recent months leads one to consider the possibility of its appearance in epidemic form in South Africa later in the year. With this prospect in mind the department redoubled its efforts in the prevention of fly breeding as far as possible.

(xii) ENTERIC FEVER (Page 39)

The outbreak of a major epidemic of enteric fever involving in all 52 cases (all Europeans) has to be recorded during the year.

The history of this epidemic was as follows:-

On Monday 30th December, 1946, the Department was notified that five inmates, all related, and living in neighbouring houses were diagnosed to be suffering from? Enteric Fever. Immediate investigations were carried out by the department to ascertain if possible, the source, whilst investigations into these cases were being pursued, further notifications were received in respect of other cases living in widely scattered areas of the town until by that evening some sixteen notifications were received. The explosive nature of the outbreak pointed to a milk borne infection, and investigations showed that it was localised to one dairy. This dairy, is a distributing dairy and draws its supplies from 7

/ different .....

different producers, five being in the Benoni Municipal area whilst two were from outside areas.

As the epidemic was so obviously milk borne and localised to one distributing dairy, arrangements were made for all employees of both the distributor dairy and producer dairies to be re-tested the following morning for the Enteric Fever carrier state. At this stage it is desired to emphasise that, during the past year it had been the policy of the Department to insist that all foodhandlers, no necessarily limited to the dairy industry, be bloodtested for the Enteric Fever carrier state (Vi Test). All employers of foodhandlers have repeatedly been instructed by the Department not on any account to employ personnel unless they have been medically examined and Vi Tested by the Department. Co-operation from employers is not however always readily forthcoming. All dairies(and other food handling trades) can be visited but once, possibly twice a month by the Department's health inspectorate staff. In between such inspections it has not infrequently been found that contrary to instruction natives are employed without prior examination. This unfortunately was the position in this instance as will be revealed later.

Immediately the incriminating dairy was localised the Secretary for Health was informed, and inconsultation with a member of his Staff it was decided to obtain Ministerial authority, in terms of Section 116 of the Public Health Act, to close down all the producing dairies until the results of the bloodtests were known. These producer dairies were closed until 2nd January, 1947, when after the necessary adjustments had been made in regard to personnel following receipt of the reports on the blood tests, they were permitted to re-open. The distributor dairy, whose employees had all been recently examined and who were all satisfactory, was permitted to continue to supply its customers only with pasteurised milk obtained from a neighbouring town.

Consultations were also held with the principal of the distributing dairy and it appeared that the centre of the township, where the majority of the cases occurred, was supplied with milk drawn from two of the suppliers. These two suppliers, are within the municipal area, and one from a neighbouring town, were thus suspected. That this suspicion was not ill founded was subsequently confirmed by the results of the blood tests.

The bloodtests shewed that 4 native employees were Vi-positive in dilutions of 1 in 10 and 1 in 20 (and therefore presumably Enteric Fever Carriers). According to departmental records the dairies in question were inspected by the Dairy Inspector on 26.11.1946 and by the Dairy Inspector and the Veterinary Officer on 4.12.1946. On both occasions everything at the dairies was satisfactory. Between December 8th and December 27th new staff was engaged, no report of their engagement being given the department nor were they medically examined prior to engagement, thus lending point to the earlier remarks that it is not always possible to secure that desired co-operation from employers, which is so essential to ensure that none but

/wholesome .....

wholesome food shall reach the consumer. A public health Department anticipates wholehearted support and co-operation from employees, for it is manifestly impossible for any department to check all dairies (and other food handling trades) in its area, daily or even weekly, and the lesson to be gained from this epidemic should not be forgotten, and that is that there exists the utmost urgency for the compulsory pasteurisation of all milk supplies. The most vociferous opponents of compulsory pasterurisation of milk are the dairymen themselves, their Unions and certain misguided civic associations. Apart from the fact that the reasons they advance against pasterisation of milk are quite unscientific and are contrary to the considered and expert opinion of the vast majority of scientists, doctors, bacteriologists and hygienists the world over, the lesson is obvious that it is impossible to attain that Utopia where a Public Health Department could obtain 100% co-operation from 100% of its dairymen. In the absence of that 100% co-operation from 100% of its dairymen, a health department can at best but hope to limit epidemics of milk borne origin, whether such epidemics be enteric fever, scarlet fever, diphtheria, enteritis or undulant fever. In the absence of pasteurisation of its milk supply the threat of an epidemic of any of the aforementioned diseases will forever hang like the sword of Damocles over the community, on whom the responsibility must rest for not taking heed of its officials who so strenuously and assiduously advocate compulsory pasteurisation.

It is indeed fortunate that this particular epidemic was limited to Europeans, of whom 52 were infected from this one particular source. The disease in most of the cases pursued a mild course and the case mortality was "Nil", as was the number of "Return Cases". Mass immunisation of all Benoni residents was undertaken very early to limit, as far as possible the number of cases. The response from the public was most gratifying and some 4432 Europeans and 1370 Non-Europeans were immunised by the Department. Many thousands more Europeans were immunised by private practitioners.

(b) ENTERITIS (Page 33)

During the year 73 children under the age of 2 years died of Enteritis. Of these deaths, 69 were Natives, 3 Coloureds and one European.

It is again necessary to emphasise that enteritis is a dirt disease and as such is largely preventible. It again appears necessary to state that a native creche would fulfill a great need for those children left alone all day amidst dirty insanitary surroundings whilst their parents are out working.

(xiii) TUBERCULOSIS (Pages 34, 35,40)

The death rate (0.91) for all forms of T.B. remains virtually the same as the preceding year (0.90). A disquieting feature however is the

/steadily

high incidence rate amongst Non-Europeans. This continuously high incidence rate may be ascribed partly to the continuance of the insanitary, grossly overcrowded housing conditions under which this section of the community is compelled to live, and to their inability to purchase for themselves and their families the necessary protective foods. Undernourishment amongst this section is rife, with a corresponding lowering of vitality and resistance to disease. Overcrowding and undernourishment conduce to make this section ready victims to the rampage of the tuberculosis germs. And so the circle goes on and on, more victims being claimed each year, as evidenced by the ever-increasing tempo of the indidence rates for this disease from 0.97 in the year 1943/44 to 1.34 for the year 1944/45 to 1.88 for the year 1945/46 and 1.49 for the current year. Of the 79 notifications no less than 55 (or 69.6%) occurred in persons between the ages of 15 and 50.

As has been the practice in the past, the policy of isolating in hospital all cases, and suspect cases, of T.B. was continued during the year. All contacts of both proven and suspected cases of T.B. were examined at theT.B. Clinic, established the previous year. Here contacts are subjected to physical examination, T.B. Patch tested, and where necessary, subjected to radiological examination as well. Some 260 contacts were so examined at the T.B. Clinic.

3. V E N E R E A L D I S E A S E S (Pages 45, 46)

Attendances at the Venereal Diseases Clinics continue to increase; the total attendances for the year reaching the new record high figure of 9261 (previousyear, total attendances 7868).

574 new cases (of whom 13 were Europeans) were treated during the year.

244 cases (1 European male) of V.D. in an infectious and communicable form were isolated at the Rietfontein Hospital. Most of these cases (167 males and 26 females) were discovered at the routine examinations conducted by the department at the Pass Office.

At the Pass Office 14576 native males were examined during the year, thus giving an incidence rate of 1.15% for open or infectious venereal disease of all forms in the native male population, presenting themselves casually at the Pass Office for registration during their quest for employment.

Only a very infitisemal number of natives present themselves voluntarily for treatment and/or isolation for V.D., the vast majority being "discovered" fortuitously during examinations prior to registrations. It is thus understandable that the vast majority of sufferers are left at liberty to disseminate the disease even further. The experience of Benoni is not unique and the time appears appropriate for bold legislation on the part of the central authority whereby all natives are subjected periodically to a compulsory medical examination. By this means many more

infection, thus preventing further subjects from being infested needlessly.

4. MATERNAL AND CHILD WELFARE

(Page 44)

(a) ANTE-NATAL CLINICS

An all round increase is to be noted e.g. the number of new cases increased to 1048 from 874 for the previous year, and the total attendances increased from 4,255 to 4973.

The greatest increase took place amongst the European and the native sections. The native Ante-Natal Clinic is held on Wednesdays from 9 a.m. to 1 p.m., but with the larger number of new cases attending each week, it eventually became impossible to deal with all attendances during one weekly session, and it became necessary to increase the sessions to two per week.

(b) INFANT WELFARE CLINICS

The value and benefits to be derived from these clinics is more and more being realised amongst the European section of the community and it is pleasing to note that no fewer than 560 new cases with 5908 attendances were seen at the European Infant Welfare Clinics during the year c.f. 355 new cases with 5171 attendances for the preceding year.

A decrease is to be noted in the figures for the native section. This decrease co-incided with the temporary closing of the milk-bar owing to difficulties experienced in obtaining supplies of milk. Free issues of milk had been made to certain necessitous cases amongst natives, and it would therefore appear that this free issue was the inducement for many mothers to bring their children to the clinic. It is nevertheless hoped to re-open the milk bar in the near future when it is further hoped the the Non-European figures will again show an increase.

The practice of supplying free milk and vegetable to the necessitous European cases was continued during the year.

(c) DISTRICT MIDWIFERY SERVICES

These services, run by the Boksburg-Benoni Hospital on behalf of the Town Council of Benoni, continue to show great progress, no fewer than 692 cases of all races having been confined either on district (234 cases) or in hospital (458 cases), as compared with a total of 399 cases for the previous year.

The district Midwifery services though run by the Hospital on behalf of the Town Council, are operated in conjunction with Council's Ante-Natal Clinics and the figure of 692 cases referred to above were all cases attended to at the Department's Ante-Natal Clinics. A study of these figures shows conclusively that a central maternity block in Benoni has become an urgent necessity. The question of the erection of a maternity block in Benoni has been raised on several previous occasions with

/the .....

the Provincial authorities, and though these attempts have up till now been unsuccessful, there is reason to hope that further representations during the coming year will be fraught with success.

5. FOODSTUFFS

Continued attention was paid to the control of foodhandling in shops, market gardens, markets, restaurants, hotels and boarding houses.

The policy, initated the previous year, of blood testing all employees engaged in foodhandling trades of all descriptions for the Enteric Fever Carrier State (Vi tests) was vigorously pursued throughout the year. All Vi positives are excluded from the foodhandling trade as far as possible.

For list of foodstuffs condemned see Pages 51,52 and 53)

6. ABATTOIRS (Pages 57 and 58)

The set back, referred to in the previous report, and experienced by all reef abattoirs, was continued during the year. The number of animals slaughtered was again well below the numbers slaughtered prior to the inception of the government's meat scheme. Owing to the continued high loss on the abattoirs, it was found necessary to increase the slaughtering and inspection fees.

As a consequence of this increase of fees there has been a decrease in the annual loss sustained, the deficit for the year being £3594 as against £4651 for the previous year.

7. DAIRIES AND MILK CONTROL (Pages 52 and 53)

Continued attention was given dairies supplying Benoni with milk. During the period of the war owing to shortages, both in personnel and material, conditions bordering on chaos had developed. Buildings and equipment of the older established dairies had been allowed to deteriorate badly. Many dairies had been licensed and many permits issued which, but for the war, should never have been granted. However most of them have by now, under pressure of the department, been re-equipped, re-built or new premises erected as the case may be.

Routine chemical and bacteriological, as well as dirt tests, were taken during the year. All dairies are regularly inspected by the Department's Dairy Inspector, Veterinary Officer as well as the Medical Officer of Health.

8. WATER SUPPLY

The supply for all premises, except certain mines who have their own supply for flushing purposes only and most houses in the semi-rural areas, comes from the Rand Water Board. The supply is eminently satisfactory.

One or two flat properties, in the centre of the town, possessing private boreholes were supplied by water from these boreholes. Samples of the water taken for

/analysis.....

analysis were however unsatisfactory, consequently the use of this water was prohibited in favour of water drawn from Rand Water Board supplies.

9. NIGHT SOIL AND REFUSE REMOVAL SERVICES

The services provided under this heading come under under the direct control of the Sanitary Department, as do the street cleansing services, the public conveniences and the municipal compound.

Water borne sewarage is still limited to the central townships area, the remaining areas being on a tri-weekly pail system, except in the areas of Westdene and Rynfield where septic tanks have been installed.

A vast new sewerage scheme, embodying extensive additions to the disposal works and new pump stations is, at present, under construction.

These improvements will enable the Industrial sites, Northmead, Farrarmere, Airfield and Westdene to be brought under the waterborne sewarage scheme.

Plans have been completed for the reticulation of the first portion of Northmead, and are being prepared for the second portion, whilst a prelincinary survey has been made for Westdene.

At Dunswart a new pump Station will serve the western industrial areas and the new Industrial Township No. 12. This station will house two 650 gallon per minute pumps, and provision is being made for the installation of a third pump at a later date as this area develops.

In order to accommodate the greater sewage flow caused by Northmead and the other townships being placed under waterborne sewarage, the Tom Jones Street pump station will be enlarged from the one working pump and one emergency pump now working to two operating pumps and one spare. The present pumping capacity of the pumphouses in Tom Jones Street and Rothsay Street is approximately 900,000 gallons perday.

At the disposal works extensive enlargements are in course of construction.

The one existing detritus channel will be augmented by the erection of one further channel, whilst the existing sedimentation tank will be augmented by the erection of four more tanks, eight new trickling filters will bring their number up to 12. Four humus tanks will be added to the one already in operation and five digestion tanks, three of which are new, are already completed.

10. V E R M I N C O N T R O L (Page 59)

Vigorous anti-plague measures were continued throughout the year whilst the rodent free belt around the town was maintained.

As previously reported the Asiatic section and Location abound in rodents, and owing to the general dilapidation and overcrowding of the old wood and iron structures, anti-rodents measures here, however vigorously prosecuted, are not nearly as successful as might be desired, complete eradication of rodents in this area being seemingly

/ impossible....

impossible of achievement. The most that would appear possible is that the rodent population is kept to a minimum.

11. OTHER SERVICES

(a) EXAMINATION OF TEMPORARY EMPLOYEES (EUROPEAN)

During the year 77 European employees, were medically examined, before commencing work in a temporary capacity with the municipality.

(b) MUNICIPAL FIRE BRIGADE

Medical attention continued to be given by the Department for members (and families) of the Fire Brigade.

(c) NATIVE EMPLOYEES

All native employees, entering the Council's service were examined by the Department, prior to being accepted for service.

In addition all employees, reporting sick during the year, were attended by the department where necessary, patients requiring more intensive treatment, owing to the gravity of their illness, were admitted to hospital.

(d) RACE WELFARE CLINIC (Page 47)

This clinic, the only clinic of its kind on the East Rand, continues to be well attended, supplying the needs in particular of the poorer sections of the community. The Non-European section too is gradually recognising the need for skilful spacing and limitation of families, and is beginning to make use of the clinic in ever increasing numbers.

(e) PASS OFFICE EXAMINATIONS (Page 47)

Routine examination of all native males registering at the office of the Native Commissioner, and in search of work in Benoni, continues to be undertaken by the Department.

Facilities are also provided, though rarely used, for householders to have their domestic servants examined periodically either at the pass office or at the clinic. 167 native males (or 1.15% of all males examined) were found to be suffering from some form or another of acute infectious venereal disease, and were isolated in hospital. When it is realised that these natives have been involuntarily examined, in as much as they are compelled, prior to registering for work, to be examined, it becomes evident that the percentage of natives suffering from acute venereal disease and who do not seek treatment for their complaint must be immeasurably higher, than the 1.15% quoted above (see also remarks under "Venereal Disease").

(f) BOKSBURG BENONI HOSPITAL OUTPATIENTS (Page 45)

Accommodation at the Public Health Offices for European, and at the Location Clinic Building for Non-European clinics held by the Boksburg-Benoni Hospital, continues to be provided.

/ As .....

As stated in the previous report these clinics and services, essential as they are, fulfil a fraction only of the services required in as much as the clinics are available only for a portion of the mornings. No services are available in the afternoons, at night, or on Saturdays Sundays and Public Holidays.

It is hoped that a round the clock service to cater for the needs of that section of the population, both European and Non-European, in need of such services will be brought one step nearer in the coming year by the erection or establishment of A Maternity Cum Out-Patients Blocks.

(g) DENTAL CLINIC

The department continued to provide accommodation for the dental clinic at its weekly session. The services at this Clinic, which caters for the indigent school going child, continue to be provided for gratuitously by private dental practitioners, to whom the department, on behalf of not only the Town Council of Benoni but of the community as well, records its thanks for services so willingly and cheerfully given. It does seem incredible and incongruous that the Provincial Administration should be so dilatory and so unconcerned with the dental needs of the population. Even its off-spring, the Transvaal Education Department, sits back complacently and with equanimity, and views unconcernedly the attempt by local authority assisted by private practitioners, and charitable organisations to provide dental treatment for the school going child, which provision should actually be made by the Education Department itself or it may be that the administration in its research into the needs for hospitalisation has reached the conclusion (a conclusion not shared by either the medical or dental professions) that ill-health is not dependant upon healthy mouths and teeth.

The pious wish expressed in the last report that it was hoped that a ful time Dental Officer would be provided by the Benoni Dental Clinic Board, has not as yet been realised. The equipment, kindly donated by the Benoni Centre of the Red Cross Society and the Benoni Rotary Club, has been installed. It is hoped that, when the Provincial Administration can be shaken out of its lethargy and be induced to assis financially, the Dental Clinic established by the local authority, with the assistance of local charitable bodies, will be able to provide dental treatment for all sections of the community.

S T A F F

The Staff as at the 30th June, 1947, was constituted as follows:-

PUBLIC HEALTH DEPARTMENT

Medical Officer of Health (Acting): S.W. Adler M.B. Ch.B, D.P.H., D.T.M. and H.

Assistant Medical Offier of Health (Acting) C.B. Shapiro M.B., Ch.B.

Veterinary Officer: J.H. Schoeman B.Sc., B.Vsc.

/Chief .....

Chief Health Inspector (Acting): N. Youens R.S.I, Meat and Other Foods Certificate in Tropical Hygiene.

Senior Health Inspectors: P.J. Howett R.S.I
J.R. Hamilton R.S.I, Meat and Other foods.
H.E. Theron R.S.I., Meat and Other foods.

Grade I Health Inspectors: J.D. Beal R.S.I., Meat and Other Foods.
H.F. Smith R.S.I Meat and Other Foods.
L.C. Hirst R.S.I Meat and Other Foods.

Learner Health Inspectors: V.J. Bredenkamp
P.D. Krog
L.A. Folley

Vermin Officer: F.J. Taljaard

Health Visitors: Miss. G.D. Conradie Certificate R.S.I (Health Visitor) Certificate S.A. Medical Council (Midwifery).
Mrs. B. Styles. Certificate S.A. Medical Council (General and Midwifery).

Clerk: Mrs. F. Venter
Typiste: Miss. M. Smit

ABATTOIRS.

Abattoir Superintendent (Acting) : B.E. Eager R.S.I Meat and Other Food.

Meat Inspector: J. Selby

Abattoir Mechanics : N. Arthur
C. Everett.

By Products Attendant: J.F. Brandt.

Abattoir Cleaners: J.J. Bekker
A.J. Liebenberg.

SANITARY DEPARTMENT

Sanitary Manager (Acting) and Compound Manager : C.R. Begley

Assistant Compound Manager: D.P. Van Ayl.

Sanitary Overseers: C. Manos
C.F. Kingston
J.S.H. Fox
D.M. Williams.

Farriers: J.Jones
W. Anderton

Wagon-Smith G.E. Holland

/Harness.....

Harness - Repairer : T.Mc Gheen

Public Conveniences : T. Flynn
Attendants (Mrs.) Dowdeswell.

NON-EUROPEAN STAFF

Native Nurses: Mrs. Putini, Certificate S.A. Medical Council (Midwifery).

Mrs. du Plessis Certificate S.A. Medical Council (General and Midwifery)

Native Health Assistants : J.J. Alberts
F. Brink
J. Hltashwayo

REPORT "B"

UPON THE HOUSING OF PEOPLE

The quickening tempo of industrial expansion of Benoni has been such that the shortage of housing, despite the erection of a large number of new dwellings for Europeans (251 houses were erected privately whilst 54 houses were erected by the National Housing Commission) remains as acute as ever for all sections of the community.

Many European families particularly in the lower income group of £25 to £40 per month are accommodated in premises which are veritable slums. Furthermore many of these dwellings are overcrowded inasmuch as two, three and up to four families are accommodated therein. Overcrowding is thus rampant and segregation of the sexes in most instances virtually impossible. With the shortage of alternative housing for the displaced persons, it has not been feasible at the present juncture to deal with these dilapidated, structurally unsound dwellings in the way that is most desireble, and repairs as far as possible in the absence of total demolition have been effected in order to make them temporarily habitable.

A large coloured community, with a sprinkling of Asiatics and Natives, with a few European families living checks by jowl with them, has become established in the lower end of the town. The houses inhabitated by the coloureds who appear to be the responsibility of neither the local authority nor of the province, are in shocking condition, filthy, dirty, verminous, structurally grossly defective and so hopelessly overcrowded as to form slums of the worst possible type. No amount of major repairs could convert these dwellings into habitable quarters. Consequently during the course of the year recourse was had to the Slums Act. The premises were duly declared Slums, which declaration was confirmed by the responsible Minister. In the absence of alternative housing for the evicted families however the terms of the demolition orders in respect of these properties was postponed. The Town Council of Benoni, more on humanitarian grounds than because of its responsibility towards the "unwanted" Coloureds, has resolved to erect a sufficient number of houses to accommodate these coloured families. When, and with shortages of essential building materials it appear a very big when, these dwellings have been erected the process of demolishing the slums will be proceeded with.

The housing position in regard to n tives presents the same sordid picture. The industrial expansion previously referred to has attracted numberous natives to Benoni, as evidenced by thefact that the last census revealed an increase of nearly 2,500 during the year. No new houses have been erected for the residents of the location, who already overcrowded, have become further overcrowded, as the result of this large influx, which, with new industries continuously opening up shows no sign of abatement.

The location itself already over-saturated with humanity has been unable to absorb these newcomers, of whom over 2,000(535 Adult males, 536 adult females and 998 children) have established themselves in "tent Town" This"Tent Town" may be described as the Moroka of Benoni - which epithet describes conditions here without the need for further comment or elaboration. Sanitation and water have been

/provided .....

provided by the Town Council of Benoni for this township.

During the year the following buildings were erected in the Municipal area of Benoni (excluding the location where no building operations can be reported):-

1. Number of dwellings erected 251. Value £500,427
2. Number of flats erected Nil
3. Number of business premises erected 50. Value £348,619
4. Number of additions and alterations 143 Value £35,835
5. Number of dwellings erected by National Housing Commission 54. Value £95,049.

Total 498 plans passed
Total Value £979,960.

TOWN COUNCIL OF BENONI.

PUBLIC HEALTH DEPARTMENT.

1946 - 1947.

LEADING VITAL STATISTICS.

FOR THE YEAR ENDING 30TH JUNE, 1947.

	EURO-PEANS	MINING NAT.	NON.MIN NATS.	COL-OURED	ASIA-TIC.	ALL NON EUR.	ALL RACES.
POPULATION.	24700	19329	26871	2700	1200	50100	74800
RATES:-							
BIRTH.	29.59	-	29.4	43.3	57.5	32.01	30.9
ILLEGITIMACY.	0.56	-	27.3	20.8	4.36	24.87	14.5
DEATH.	7.22	5.12.	20.6	20.39	10.0	14.35	11.99
INFANT MORTALITY.	31.46	-	299.6	145.2	29.0	261.9	163.7
DEATH RATES:-							
LUNG DISEASES (NON T.B.)	0.71	0.41	7.81	5.18	2.5	4.53	3.37
ENTERIC FEVER.	0.00	0.05	0.11	0.00	0.00	0.08	0.05
ENTERITIS. (UNDER 2 YEARS).	0.04	-	2.57	1.11	0.00	2.34	1.33
VIOLENCE	0.40	1.6	0.93	0.74	1.66	1.13	0.95
T.B. (ALL FORMS)	0.16	0.82	1.45	2.96	0.83	1.27	0.91
HEART DISEASE.	0.26	0.36	1.74	2.59	0.83	1.29	1.88
CANCER.	0.99	0.41	0.10	1.11	0.00	0.32	0.53
SYPHILIS.	0.00	0.00	0.33	0.00	0.00	0.17	0.12
ALL INFECTIOUS DISEASES (EXCLUDING SYPHILIS).	0.28	1.55	1.93	2.96	2.5	1.86	1.33
INFECTIOUS DISEASE:							
INCIDENCE RATES:							
SCARLET FEVER.	2.02	0.00	0.00	0.00	0.00	0.00	2.02
MEASLES.	7.49	1.34	1.75	0.74	0.83	1.51	3.49
PERTUSSIS.	2.30	0.00	3.58	5.39	4.16	2.29	2.29
T.B. (ALL FORMS).	0.44	2.22	1.56	3.70	4.16	2.01	1.49
ENTERIC.	2.18	0.47	0.52	0.00	0.83	0.48	1.04
C.S. MENINGITIS.	0.13	1.51	0.15	0.37	0.83	0.69	0.52
DIPHTHERIA.	0.40	0.00	0.15	0.00	0.83	0.10	0.20
PUERPERAL SEPSIS.	0.08	-	0.11	0.37	0.00	0.13	0.10

POPULATION.

(As supplied by Director of Census).

	MALE.	FEMALE.	TOTAL.
ALL RACES.	49,600	25,200	74,800 (73,193).
EUROPEAN.	12,600	12,100	24,700 (24,207)
MINING NATIVES.	19,329	-	19,329 (20,754)
NON-MINING NATIVES.	15,771	11,100	26,871 (24,468)
COLOURED.	1,300	1,400	2,700 (2,536
ASIATIC.	600	600	1,200 (1,228)
ALL NON-EUROPEAN.	37,000	13,100	50,100 (48,986)

(Note:- The figures in brackets represent the population figures as at 30th June, 1946).

BIRTHS.

(a) TOTAL IN MONTHS.

	EUR.			NON.M.N.			COL.			AS.			TOTAL.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
JULY	36	23	59	33	30	63	7	7	14	3	2	5	79	62	141
AUGUST.	33	33	66	33	34	67	2	3	5	4	0	4	72	70	142
SEPTEMBER.	36	19	55	25	37	62	6	3	9	4	2	6	71	61	132
OCTOBER.	35	37	72	42	31	73	5	5	10	3	1	4	85	74	159
NOVEMBER.	29	23	52	39	31	70	1	4	5	3	2	5	72	60	132
DECEMBER.	28	28	56	14	20	34	5	8	13	3	1	4	50	57	107
JANUARY.	29	47	76	66	54	120	8	10	18	3	2	5	106	113	219
FEBRUARY.	31	25	56	22	23	45	4	3	7	2	2	4	59	53	112
MARCH.	27	25	52	30	26	56	8	8	16	5	6	11	72	63	135
APRIL	22	28	50	21	13	34	3	4	7	2	0	2	48	45	93
MAY.	39	41	80	51	46	97	7	6	13	4	4	8	101	97	198
JUNE.	23	34	57	34	36	70	5	3	8	5	6	11	67	79	146
TOTAL:	368	363	731	410	381	791	61	64	125	41	28	69	882	834	1716

(b) TOTAL ILLEGITIMATE BIRTHS.

	EUROPEAN	NATIVE	COLOURED	ASIATIC	TOTAL.
MALE.	2	93	16	1	112
FEMALE.	2	123	10	2	137
TOTAL:	4	216	26	3	249

(c) TOTAL BIRTHS IN DISTRICTS.

	EUR.			NON.M.NAT.			COL.			AS.			TOTAL.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
NSHIP AND TDENE	245	236	481	29	11	40	5	8	13	4	3	7	283	258	541
THMEAD AND RARMERE.	65	64	129	4	2	6	1	0	1				70	66	136
FIELD.	5	3	8										5	3	8
ATION.				357	350	707	44	46	90	34	25	59	435	421	856
I RURAL AS.	21	25	46	6	1	7	2	2	4	2	0	2	31	28	59
KLEINFON-TEIN.	5	6	11	6	5	11							11	11	22
RYN EST.	0	2	2	1	3	4							1	5	6
RYN DEEP	6	7	13	3	2	5							9	9	18
DER 'B'	9	5	14	1	4	5	5	2	7				15	11	26
DER EAST.	2	2	4	1	0	1	1	1	2				4	3	7
MODDER.	7	8	15	1	3	4	3	5	8				11	16	27
DER DEEP.	3	5	8	1	0	1				1	0	1	4	5	9
AL:	368	363	731	410	381	791	61	64	125	41	28	69	882	834	1716

(d) BIRTH RATES ETC.

	BIRTH RATES BIRTHS PER 1000 POPULA-TION.	ILLEGITIMACY RATES % ILLEGITIMATE TO TOTAL BIRTHS.	MASCULINITY RATES	
			MALES.	FEMALES.
ROPEAN.	29.59	0.56	101	100
N MIN. NAT.	29.4	27.3	107	100
LOURED.	46.3	20.8	97	100
IATIC.	57.5	4.36	145	100
L NON-EUROPEANS (x)	32.01	24.87	108	100
L RACES (x)	30.9	14.5	105	100

(x) Excluding Mining Natives.

DEATHS.

(a) TOTAL DEATHS IN MONTHS.

	EUR.			MIN.	NON.M.N.			COL.			AS.			TOTAL.		
	M.	F.	T.	NAT.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
	4	3	7	9	27	30	57	0	3	3	0	0	0	40	36	76
ST.	12	5	17	11	17	15	32	0	2	2	2	2	4	42	24	66
EMBER.	12	8	20	7	22	17	39	1	3	4	0	1	1	42	29	71
BER.	10	10	20	10	24	17	41	5	1	6	1	0	1	50	28	78
MBER.	8	2	10	3	28	19	47	3	3	6	0	0	0	42	24	66
MBER	6	4	10	14	18	16	34	1	1	2	0	0	0	39	21	60
ARY.	11	6	17	11	44	33	77	2	3	5	0	0	0	68	42	110
UARY.	7	6	13	2	20	14	34	1	1	2	2	0	2	32	21	53
H.	7	3	10	14	22	25	47	5	1	6	2	0	2	50	29	79
L	14	2	16	6	22	24	46	4	3	7	0	0	0	46	29	75
	3	6	9	5	19	24	43	3	1	4	1	1	2	31	32	63
.	16	13	29	7	35	21	56	6	2	8	0	0	0	64	36	100
L:	110	68	178	99	298	255	553	31	24	55	8	4	12	546	351	897

(b) TOTAL DEATHS IN DISTRICT.

	EUR.			MIN.	NON.MIN.N.			COL.			AS.			TOTAL.		
	M.	F.	T.	NAT.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
DENE AND SHIP	83	49	132		19	10	29	8	4	12	1	0	1	111	63	174
HMEAD	11	6	17		3	0	3							14	6	20
TION					260	234	494	22	17	39	7	4	11	289	255	544
RURAL REAS.	8	5	13		6	8	14	1	2	3				15	15	30
KLEIN-EIN				30	3	0	3							33	0	33
ER 'B'	2	1	3	5	5	1	6							12	2	14
ER DEEP	0	1	1	9										9	1	10
ER EAST.	1	0	1	3										4	0	4
MODDER.	2	0	2	37	2	0	2	0	1	1				41	1	42
RYN ATES.	2	4	6	13	0	1	1							15	5	20
RYN DEEP	1	2	3	2	0	1	1							3	3	6
L:	110	68	178	99	298	255	553	31	24	55	8	4	12	546	351	897

(c) DEATH RATES.

(DEATHS PER 1000 POPULATION).

	MALES.	FEMALES.	TOTAL
OPEAN.	8.73.	5.62	7.22
ING NATIVES.	5.12	-	5.12
-MINING NAT.	18.89	23.0	20.6
OURED.	23.84	17.1	20.39
ATIC.	13.3	6.66	10.0
NON-EUROPEAN.	11.78	21.6	14.35
RACES.	11.0	13.92	11.99

(d) DEATHS - TOTAL IN AGE GROUPS.

E	EUROPEAN.			MIN.	NON MIN.N.			COL.			AS.			TOTAL.		
	M.	F.	T.	NAT.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
....	12	11	23		132	105	237	11	8	19	2	0	2	157	124	281
...	1	1	2		30	30	60	1	3	4	0	1	1	32	35	67
...	1	2	3		11	6	17	2	0	2				14	8	22
...					3	3	6	1	0	1				4	3	7
...	1	0	1		1	4	5							2	4	6
	0	3	3		6	6	12	1	0	1	1	0	1	8	9	17
	2	0	2		5	7	12							7	7	14
				1	5	8	13	0	1	1	1	2	3	7	11	18
	3	0	3	24	6	10	16	0	2	2				33	12	45
	3	0	3	15	16	18	34	1	1	2				35	19	54
	5	0	5	19	21	10	31	3	0	3				48	10	58
	2	3	5	6	11	11	22	2	2	4				21	16	37
	2	1	3	15	8	8	16	1	1	2				26	10	36
	7	2	9	6	14	9	23	0	1	1	0	1	1	27	13	40
	10	5	15	6	4	2	6	1	0	1				21	7	28
	8	6	14	5	2	2	4							15	8	23
	13	5	18		3	10	13	1	2	3				17	17	34
	15	10	25	2	5	2	7	1	0	1				23	12	35
	8	6	14		10	2	12	1	2	3	1	0	1	20	10	30
	8	5	13		3	1	4	2	1	3	1	0	1	14	7	21
	9	8	17		2	1	3	2	0	2	2	0	2	15	9	24
L:	110	68	178	99	298	255	553	31	24	55	8	4	12	546	351	897

DETAILED CAUSES OF DEATH.

	EUR.			MIN.	NON.M.N.			COL.			AS.			TOTAL.		
	M.	F.	T.	NAT.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
I. INFECTIOUS DISEASES.																
001 Enteric Fever.				1	0	3	3							1	3	4
008 C.S.Meningitis.	1	0	1	3	1	0	1							5	0	5
011 Pertussis.					0	2	2				0	1	1	0	3	3
012 Diphtheria.					0	1	1				1	0	1	1	1	2
TUBERCULOSIS OF:-																
015 Respiratory System.	2	0	2	9	15	15	30	4	1	5	0	1	1	30	17	47
016 C.N.S.				1	2	3	5	0	1	1				3	4	7
017 Intestines.				1	1	0	1	0	1	1				2	1	3
018 Vertebrae.					0	1	1							0	1	1
021 Other Organs.				2	0	1	1							2	1	3
024 Miliary T.B.				3	0	1	1	1	0	1				4	1	5
DYSENTERY:-																
032 Bacillary.					1	0	1							1	0	1
033 Amoebic.				1										1	0	1
041 G.P.I.					0	1	1							0	1	1
042 Aortic.Aneurysm.					0	2	2							0	2	2
043 Congenital Syphilis.					0	3	3							0	3	3
044 Other Forms.					2	1	3							2	1	3
INFLUENZA:-																
048 With Respiratory Complications.	1	2	3	8	2	3	5							11	5	16
049 Without Respiratory Complications.				1										1	0	1
052 Measles.	1	0	1											1	0	1
TOTAL:	5	2	7	30	24	37	61	5	3	8	1	2	3	65	44	109
II CANCER.																
100 Mouth.	0	2	2											0	2	2
101 Oesophagus.	2	0	2											2	0	2
102 Stomach.	3	2	5											3	2	5
104 Liver.	1	0	1	1	4	2	6							6	2	8
105 Pancreas.	1	0	1											1	0	1
106 Intestines.	2	0	2		0	1	1	1	0	1				3	1	4
109 Lung.	3	1	4											3	1	4
110 Uterus.	0	1	1		0	1	1							0	2	2
111 Female Genitalia.	0	3	3		0	1	1	0	1	1				0	5	5
112 Breast.	0	1	1					0	1	1				0	2	2
115 Urinary Organs					1	0	1							1	0	1
117 Brain.					1	0	1							1	0	1
NON MALIGNANT TUMOURS:-																
134 Unspecified Organs.	1	0	1											1	0	1
UNDETERMINED TUMOURS:-																
135 Brain.	0	1	1											0	1	1
136 Other Organs.				1										1	0	1
TOTAL:	13	11	24	2	6	5	11	1	2	3				22	18	40

III RHEUMATISM/.....

DETAILED CAUSES OF DEATH CONTINUED.

	EUR.			MIN	NON.M.N.			COL.			AS.			TOTAL		
	M.	F.	T.	NAT.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
III RHEUMATISM ETC																
149 Rheumatic Fever								0	1	1				0	1	1
150 Osteo Arthritis	1	0	1		1	0	1	1	0	1				3	0	3
152 Diabetes.	0	1	1		0	1	1							0	2	2
163 Malnutrition.	1	1	2		8	5	13							9	6	15
168 Pellagra.					1	0	1							1	0	1
TOTAL:	2	2	4		10	6	16	1	1	2	0	0	0	13	9	22
IV DISEASES OF BLOOD.																
203 Pernicious Anaemia.	0	1	1											0	1	1
206 Unspecified Anaemia.	0	2	2		1	0	1							1	2	3
207 Leukaemia				2										2	0	2
TOTAL:	0	3	3	2	1	0	1	0	0	0	0	0	0	3	3	6
V CHRONIC POISOINING.																
250 Acute Alcoholism.				1										1	0	1
VI DISEASES OF THE C.N.S.																
300 Cerebral Abscess.	0	1	1	2	0	1	1							2	2	4
301 Encephalitis					1	0	1							1	0	1
MENINGITIS:-																
302 Pneumococcal				1	1	1	2	0	1	1	0	0	0	2	2	4
303 Other Forms.					0	1	1	1	0	1				1	1	2
304 Disease of the Spinal Cord.	0	1	1											0	1	1
305 Cerebral Haemmorhage	2	6	8		1	1	2							3	7	10
306 Cerebral Thrombosis.	1	0	1		1	2	3							2	2	4
309 Epilepsy.				1	0	1	1							1	1	2
TOTAL:	3	8	11	4	4	7	11	1	1	2	0	0	0	12	16	28

VII DISEASES/.....

DETAILED CAUSES OF DEATH CONTINUED.

	EUR.			MIN.	NON.MIN.NAT.			COL.			AS.			TOTAL		
	M.	F.	T.	NAT.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
VII DISEASES OF THE CIRCULATORY SYSTEM.																
PERICARDITIS:-																
351 Other	1	0	1	3	2	0	2	1	0	1	0	1	1	7	1	8
352 Ac.Endocarditis					1	0	1							1	0	1
353 Rheumatic. "	0	1	1		1	1	2	0	1	1				1	3	4
Valvular Disease.																
354 Non-Rheumatic Valvular Disease.	3	3	6		5	4	9	1	1	2				9	8	17
MYOCARDITIS:-																
355 Acute.	1	0	1		3	1	4							4	1	5
356 Rheumatic	2	0	2	1	2	1	3	0	1	1				5	2	7
357 Chronic.	12	7	19	1	8	10	18	2	0	2				23	17	40
358 Coronary Disease.	17	3	20	1	3	1	4							21	4	25
361 Aneurysm.	1	0	1		0	1	1							1	1	2
362 Arterio Sclerosis.	2	0	2		2	1	3							4	1	5
364 Other Arterial Disease.	1	0	1											1	0	1
365 Diseases of Veins.				1										1	0	1
367 High Blood Pressure.	1	1	2		0	3	3							1	4	5
TOTAL:	41	15	56	7	27	23	50	4	3	7	0	1	1	79	42	121
VIII RESPIRATORY DISEASE:																
401 Laryngitis.				2										2	0	2
402 Ac.Bronchitis.	1	0	1											1	0	1
403 Chronic Bronchitis.					1	1	2							1	1	2
PNEUMONIA:-																
404 Broncho.	2	4	6	2	72	64	136	6	6	12	1	0	1	83	74	157
405 Lobar.	8	1	9	6	37	27	64	1	0	1	2	0	2	54	28	82
406 Unspecified.	2	0	2		6	4	10	1	0	1				9	4	13
409 Embolism.	3	0	3		1	0	1							4	0	4
410 Hypostatic. Congestion.					0	2	2							0	2	2
411 Asthma.	0	2	2											0	2	2
413 Miners' Phthisis.	2	0	2											2	0	2
TOTAL:	18	7	25	10	117	98	215	8	6	14	3	0	3	156	111	267

IX DISEASES/.....

DETAILED CAUSES OF DEATH CONTINUED.

	EUR.			MIX.	NON.M.N.			COL.			AS.			TOTAL.		
	M.	F.	T.	NAT.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
IX DISEASES OF DIGESTIVE SYSTEM:-																
452 Pharyngeal. Disease.				1	0	1	1							1	1	2
455 Gastric Ulcer.								1	0	1				1	0	1
D & V :-																
458 Under 2 Years.	0	1	1		36	33	69	2	1	3	0	0	0	38	35	73
459 Over 2 Years.	0	1	1		1	3	4	1	0	1				2	4	6
462 Hernia.					1	0	1							1	0	1
463 Obstruction	1	0	1	1	4	2	6							6	2	8
HEPATIC CIRRHOSIS:-																
466 With Alcoholism				1										1	0	1
467 Without "	1	0	1	1										2	0	2
469 Hepatitis.	1	0	1											1	0	1
473 Peritonitis.				1	0	1	1							1	1	2
TOTAL:	3	2	5	5	42	40	82	4	1	5	0	0	0	54	43	97
X GENITO URINARY DISEASE:-																
NEPHRITIS:-																
500 Acute.	1	1	2		1	3	4	1	0	1				3	4	7
501 Chronic.	2	2	4	1	1	1	2				0	1	1	4	4	8
502 Unspecified	0	1	1	1	0	1	1							1	2	3
503 Pyelitis.				1										1	0	1
506 Cystitis.	0	1	1											0	1	1
507 Vesiculitis.								1	0	1				1	0	1
512 Parametritis					0	2	2							0	2	2
TOTAL:	3	5	8	3	2	7	9	2	0	2	0	1	1	10	13	23
XI DISEASES OF PREGNANCY:-																
554 Ectopic Gestation.								0	1	1				0	1	1
566 P.P.H.					0	2	2							0	2	2
567 Puerperal Sepsis.					0	1	1							0	1	1
TOTAL:					0	3	3	0	1	1				0	4	4
XII DISEASES OF SKIN:-																
601 Cellulitis.				2										2	0	2
602 Other Diseases.					2	0	2							2	0	2
TOTAL:				2	2	0	2							4	0	4
XIV CONGENITAL MALFORMATIONS:																
700 Hydrocephalus					1	0	1							1	0	1
702 Cardiac.					1	0	1							1	0	1
703 Monstrosities					0	1	1							0	1	1
TOTAL:					2	1	3							2	1	3

XV DISEASES OF/.....

DETAILED CAUSES OF DEATH CONTINUED..

	EUR.			MIN.	NON.M.N.			COL.			AS.			TOTAL.		
	M.	F.	T.	NAT.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
XV DISEASES OF FIRST YEAR OF LIFE																
751 Prematurity.	7	8	15		25	15	40	1	3	4	1	0	1	34	26	60
752 Trauma					4	2	6	1	1	2				5	3	8
754 Atelectasis	2	0	2		3	3	6	1	0	1				6	3	9
756 Infections of New Born.	0	1	1											0	1	1
758 Other Diseases	1	0	1		2	0	2							3	0	3
TOTAL:	10	9	19		34	20	54	3	4	7	1	0	1	48	33	81
XVI SENILITY:-																
800 Senility.	3	2	5		0	1	1	1	1	2	1	0	1	5	4	9
XVII DEATHS FROM VIOLENCE.																
850 Suicidal Poisoining.	1	0	1											1	0	1
856 Suicidal Hanging.				1										1	0	1
HOMICIDE:-																
866 Cutting Instruments.				2	7	2	9							9	2	11
867 Other Means.				2	2	0	2	1	1	2				5	1	6
ACCIDENTAL DEATHS:-																
869 Train Collisions.	2	0	2	1										3	0	3
870 Bus Collisions.				1										1	0	1
871 Other "	2	0	2	1	4	0	4							7	0	7
873 Motor. "					0	1	1							0	1	1
880 Mine Accidents.	1	0	1	21										22	0	22
888 Gas Poisoining	1	0	1		1	0	1							2	0	2
891 Burns.				2	2	1	3							4	1	5
892 Suffocation.				1	1	0	1							2	0	2
893 Drowning.	0	1	1								2	0	2	2	1	3
895 Injury by Cutting Instruments.					1	0	1							1	0	1
896 Injury by Fall	1	1	2		1	0	1							2	1	3
903 Lightning.					1	0	1							1	0	1
904 Electrocution					1	0	1							1	0	1
TOTAL:	8	2	10	32	21	4	25	1	1	2	2	0	2	64	7	71
XVIII ILL DEFINED CAUSES:																
951 Ill Defined Cause.					2	1	3							2	1	3
952 Cause Unknown				1										1	0	1
953 Unspecified Causes.	1	0	1		4	2	6							5	2	7
TOTAL:	1	0	1	1	6	3	9							8	3	11

V I O L E N C E.

(a) TOTAL DEATHS : CAUSES.

	EUR.			MIN.	NON.M.N.			COL.			AS.			TOTAL		
	M.	F.	T.	NAT.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
SUICIDE	1	0	1	1										2	0	2
HOMICIDE				4	9	2	11	1	1	2				14	3	17
ROAD ACCIDENTS.	4	0	4	3	4	1	5							11	1	12
MINE ACCIDENTS.	1	0	1	21										22	0	22
BURNS.				2	2	1	3							4	1	5
DROWNING.	0	1	1								2	0	2	2	1	3
OTHER ACCIDENTS.	2	1	3	1	6	0	6							9	1	10
TOTAL:	8	2	10	32	21	4	25	1	1	2	2	0	2	64	7	71

(b) DEATHS IN AGE GROUPS.

	EUR.			MIN.	NON.MIN.NAT.			COL.			AS.			TOTAL.		
	M.	F.	T.	NAT.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
UNDER 1 YEAR.																
1-4					3	1	4							3	1	4
5-9	0	1	1											0	1	1
10-14	1	0	1		2	0	2							3	0	3
15-19											1	0	1	1	0	1
20-24				3	1	1	2							4	1	5
25-29	2	0	2	6	4	0	4	1	1	2				13	1	14
30-34	2	0	2	12	7	0	7							21	0	21
35-39				3	2	1	3							5	1	6
40-44	1	0	1	2										3	0	3
45-49	2	0	2	1	2	0	2							5	0	5
50-54				4										4	0	4
55-59				1										1	0	1
60-64																
65-69																
70-74					0	1	1							0	1	1
75 and over.	0	1	1								1	0	1	1	1	2
TOTAL:	8	2	10	32	21	4	25	1	1	2	2	0	2	64	7	71

(c) DEATH RATES PER 1000 POPULATION PER ANNUM.

	MALES.	FEMALES.	TOTAL.
EUROPEAN.	0.63	0.16	0.40
MIN. NATIVES.	1.60	-	1.6
NON.MINING NATIVES.	1.33	0.36	0.93
COLOURED.	0.77	0.71	0.74
ASIATIC.	3.33	0.00	1.66
ALL NON-EUROPEANS.	1.51	0.38	1.13
ALL RACES.	1.28	0.27	0.95

HEART DISEASE:

(a) TOTAL DEATHS CAUSES.

	EUR.			MIN.	NON.M.N.			COL.			AS.			TOTAL.		
	M.	F.	T.	NAT.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
PERICARDITIS.	1	0	1	3	2	0	2	1	0	1	0	1	1	7	1	8
ENDOCARDITIS.	0	1	1		2	1	3	0	1	1				2	3	5
MYOCARDITIS.	15	7	22	2	13	12	25	2	1	3				32	20	52
VALVULAR DISEASE	3	3	6		5	4	9	1	1	2				9	8	17
CORONARY DISEASE.	17	3	20	1	3	1	4							21	4	25
OTHER DISEASES.	5	1	6	1	2	5	7							8	6	14
TOTAL:	41	15	56	7	27	23	50	4	3	7	0	1	1	79	42	121

(b) DEATHS IN AGE GROUPS.

	EUR.			MIN.	NON.M.N.			COL.			AS.			TOTAL.		
	M.	F.	T.	NAT.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
UNDER 4 YEARS.																
5-9	0	1	1		1	0	1							1	1	2
10-14					2	0	2							2	0	2
15-19					1	1	2				0	1	1	1	2	3
20-24	1	0	1	1	0	1	1							2	1	3
25-29				1	0	4	4							1	4	5
30-34	2	0	2		2	2	4							4	2	6
35-39	2	2	4	1	2	3	5	0	1	1				5	6	11
40-44	1	0	1	1	1	0	1	1	0	1				4	0	4
45-49	2	1	3	1	4	4	8	0	1	1				7	6	13
50-54	5	1	6	2	2	0	2							9	1	10
55-59	4	2	6		1	1	2							5	3	8
60-64	7	1	8		1	4	5	1	1	2				9	6	15
65-69	5	3	8		1	1	2							6	4	10
70-74	4	3	7		7	1	8	1	0	1				12	4	16
75 AND OVER.	8	1	9		2	1	3	1	0	1				11	2	13
TOTAL:	41	15	56	7	27	23	50	4	3	7	0	1	1	79	42	121

(c) DEATH RATES PER 1000 POPULATION PER ANNUM.

	MALES.	FEMALES.	TOTAL.
EUROPEAN.	3.25	1.24	2.26
MINING NATIVES.	0.36	-	0.36
NON.MINING NATIVES.	1.71	2.07	1.74
COLOURED.	3.07	0.71	2.59
ASIATIC.	0.00	1.66	0.83
ALL NON EUROPEANS.	1.03	2.06	1.29
ALL RACES.	1.58	1.67	1.88

C A N C E R.

(a) DEATHS IN AGE GROUPS.

	EUROPEAN.			MIN.	NON.MIN.N.			COL.			AS.			TOTAL.		
	M.	F.	T.	NAT.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
0-14																
15-19					1	0	1							1	0	1
20-24	1	0	1											1	0	1
25-29					2	1	3							2	1	3
30-34				2	2	1	3							4	1	5
35-39	1	1	2		1	2	3	1	1	2				3	4	7
40-44	0	1	1		0	1	1	0	1	1				0	3	3
45-49	0	1	1											0	1	1
50-54	1	0	1											1	0	1
55-59	0	2	2											0	2	2
60-64	1	2	3											1	2	3
64-69	3	1	4											3	1	4
70-74	3	2	5											3	2	5
75 and over.	3	1	4											3	1	4
TOTAL:	13	11	24	2	6	5	11	1	2	3	0	0	0	22	18	40

(b) DEATH RATES PER 1000 POPULATION PER ANNUM.

	MALES.	FEMALES.	TOTAL.
EUROPEAN.	1.03	0.91	0.99
NON-MIN NATIVES.	0.33	0.45	0.41
MINING NATIVES.	0.10	-	0.10
COLOURED.	0.77	1.43	1.11
ASIATIC.	0.00	0 .00	0.00
ALL NON-EUROPEANS.	0.25	0.53	0.32
ALL RACES.	0.44	0.71	0.53

RESPIRATORY DISEASE (INCLUDING INFLUENZAL PNEUMONIA).

(a) TOTAL DEATHS : CAUSES.

	EUR.			MIN.	NON.MIN.N.			COL.			AS.			TOTAL.		
	M.	F.	T.	NAT.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
BRONCHITIS.	1	0	1		1	0	1							2	0	2
PNEUMONIA (ALL FORMS)	12	5	17	8	115	95	210	8	6	14	3	0	3	146	106	252
OTHER DISEASES.	6	4	10	10	3	5	8							19	9	28
TOTAL:	19	9	28	18	119	100	219	8	6	14	3	0	3	167	115	282

(b) DEATHS IN AGE GROUPS.

	EUR.			MIN.	NON.MIN.N.			COL.			AS.			TOTAL.		
	M.	F.	T.	NAT.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
UNDER 1 YEAR	1	1	2		62	52	114	4	3	7	1	0	1	68	56	124
1-4	2	2	4		21	19	40	1	1	2				24	22	46
5-9	0	1	1		2	2	4	1	0	1				3	3	6
10-14	1	0	1		2	2	4							3	2	5
15-19					0	2	2							0	2	2
20-24	1	0	1	8	4	4	8							13	4	17
25-29				3	3	4	7							6	4	10
30-34	1	0	1	1	6	2	8							8	2	10
35-39	1	1	2	2	4	3	7	1	0	1				8	4	12
40-44	1	0	1	2	1	5	6							4	5	9
45-49	2	0	2	1	6	1	7							9	1	10
50-54	3	1	4		1	1	2							4	2	6
55-59	1	0	1	1	1	0	1							3	0	3
60-64	3	0	3		1	3	4							4	3	7
65-69	1	0	1		1	0	1	1	0	1				3	0	3
70-74					2	0	2	0	2	2	1	0	1	3	2	5
75 AND OVER.	1	3	4		2	0	2				1	0	1	4	3	7
TOTAL:	19	9	28	18	119	100	219	8	6	14	3	0	3	167	115	282

(c) DEATH RATES PER 1000 POPULATION.

	MALES.	FEMALES.	TOTAL.
(a) PNEUMONIA.			
EUROPEAN.	0.95	0.41	0.71
MINING NATIVES.	0.41	-	0.41
NON. MIN. NATIVES.	7.48	8.56	7.81
COLOURED.	6.15	4.28	5.18
ASIATIC.	5.0	0.00	2.5
ALL NON EUROPEANS.	3.63	7.72	4.53
ALL RACES.	2.95	4.23	3.37
(b) OTHER DISEASES.			
EUROPEAN.	0.55	0.33	0.44
MIN. NATIVES.	0.52	-	0.52
NON.MIN. NATIVES.	0.25	0.45	0.33
COLOURED.	0.00	0.00	0.00
ASIATIC.	0.00	0.00	0.00
ALL NON EUROPEANS.	0.30	0.38	0.37
ALL RACES.	0.42	0.35	0.40

INFANTILE MORTALITY.

(a) DEATHS IN MONTHS.

	EUR.			NON.MIN.NAT.			COL.			AS.			TOTAL.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
JULY	1	1	2	11	12	23							12	13	25
AUGUST				8	5	13	0	2	2	1	0	1	9	7	16
SEPTEMBER	0	1	1	8	5	13							8	6	14
OCTOBER	3	1	4	10	5	15	2	0	2				15	6	21
NOVEMBER	1	0	1	12	11	23	0	2	2				13	13	26
DECEMBER	0	1	1	12	10	22							12	11	23
JANUARY	1	2	3	25	19	44	1	2	3				27	23	50
FEBRUARY	3	1	4	8	4	12				1	0	1	12	5	17
MARCH	1	1	2	10	9	19	4	0	4				15	10	25
APRIL	2	0	2	7	10	17	2	2	4				11	12	23
MAY	0	2	2	10	12	22							10	14	24
JUNE	0	1	1	11	3	14	2	0	2				13	4	17
TOTAL:	12	11	23	132	105	237	11	8	19	2	0	2	157	124	281

(b) CAUSES OF DEATH.

	EUR.			NON.MIN.NAT.			COL.			AS.			TOTAL.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
011 TENTUBRIS				0	2	2							0	2	2
015 PULM. T.B.				1	1	2	1	0	1				2	1	3
024 MILIARY T.B.							1	0	1				1	0	1
043 CONGENITAL SYPHILIS.				0	3	3							0	3	3
052 MEASLES.	1	0	1										1	0	1
163 MALNUTRI-TION.				6	0	6							6	0	6
301 CEREBRAL ABSCESS.				1	0	1							1	0	1
302 PNEUMOCOCCAL MENINGITIS.				0	1	1							0	1	1
309 EPILEPSY				0	1	1							0	1	1
PNEUMONIA:-															
404 BRONCHO	1	1	2	46	44	90	3	3	6				50	48	98
405 LOBAR.				14	8	22				1	0	1	15	8	23
406 UNSPECIFIED				2	0	2	1	0	1				3	0	3
458 ENTERITIS.	0	1	1	26	24	50	2	1	3				28	26	54
700 HYDROCEP-HALUS.				1	0	1							1	0	1
702 CONG.HEART.				1	0	1							1	0	1
703 MONSTROSI-TIES.				0	1	1							0	1	1
751 PREMATURITY	7	8	15	25	15	40	1	3	4	1	0	1	34	26	60
752 BIRTH INJURY				4	2	6	1	1	2				5	3	8
754 ATELECTASIS	2	0	2	2	3	5	1	0	1				5	3	8
756 INTESTINES	0	1	1										0	1	1
758 HAEMORRHAGE	1	0	1	2	0	2							3	0	3
953 CAUSE UN-KNOWN.				1	0	1							1	0	1
TOTAL:	12	11	23	132	105	237	11	8	19	2	0	2	157	124	281

(c) DEATHS IN AGE GROUPS.

	EUR.			NON.M.NAT.			COL.			AS.			TOTAL.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1st Day	6	6	12	18	9	27	2	1	3				26	16	42
1st Week	3	1	4	14	14	28	1	1	2				18	16	34
2nd Week	1	2	3	9	3	12	1	2	3	1	0	1	12	7	19
3rd Week				3	1	4							3	1	4
1 month	0	1	1	14	8	22	1	0	1				15	9	24
2-3 months.				17	17	34	2	2	4	1	0	1	20	19	39
4-5 months.				16	20	36							16	20	36
6-8 months.	1	1	2	19	19	38	4	1	5				24	21	45
9-12 months.	1	0	1	22	14	36	0	1	1				23	15	38
TOTAL:	12	11	23	132	105	237	11	8	19	2	0	2	157	124	281

(d) INFANTILE MORTALITY RATES.

	MALE.	FEMALES.	TOTAL.
EUROPEAN.	32,6	30,3	31,46
NON. MIN. NATIVES.	321,9	275.5	299.6
COLOUREDS.	180.3	125.0	145.2
ASIATICS.	48,7	0,0	29,0
ALL NON EUROPEAN	282,1	239,1	261,9
ALL RACES.	178,0	148,7	163,7

ENTERITIS (UNDER 2 YEARS).

(a) DEATHS IN MONTHS.

	EUR.			MIN.	NON.M.N.			COL.			AS.			TOTAL.		
	M.	F.	T.	NAT.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
JULY.	0	0	0	0	0	1	1							0	1	1
AUGUST.					0	1	1							0	1	1
SEPTEMBER.					1	0	1							1	0	1
OCTOBER.					0	1	1							0	1	1
NOVEMBER.					4	3	7							4	3	7
DECEMBER.					7	1	8							7	1	8
JANUARY.	0	1	1		9	11	20	1	0	1				10	12	22
FEBRUARY.					5	4	9							5	4	9
MARCH.					5	3	8							5	3	8
APRIL.					2	6	8	0	1	1				2	7	9
MAY.					1	2	3							1	2	3
JUNE.					2	0	2	1	0	1				3	0	3
TOTAL:	0	1	1	0	36	33	69	2	1	3	0	0	0	38	35	73

(b) DEATH RATES PER 1000 POPULATION PER ANNUM.

EUROPEAN.	0.04
NON.MIN. NATIVES.	2.57
COLOURED.	1.11
ASIATIC.	0.00
ALL NON-EUROPEAN.	2.34
ALL RACES.	1.33

T.B. ALL FORMS.

(a) DEATHS IN MONTHS.

	EUR.			MIN.	NON.M.N.			COL.			AS.			TOTAL.		
	M.	F.	T.	NAT.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
JULY				1	4	2	6	0	2	2				5	4	9
AUGUST.	2	0	2	5	0	1	1				0	1	1	7	2	9
SEPTEMBER.				1	2	6	8	1	1	2				4	7	11
OCTOBER.				0	1	0	1	1	0	1				2	0	2
NOVEMBER.				1	0	2	2							1	2	3
DECEMBER.	1	0	1	0	0	0	0	1	0	1				2	0	2
JANUARY.				4	1	1	2							5	1	6
FEBRUARY.				0	2	1	3							2	1	3
MARCH.				1	2	2	4	2	0	2				5	2	7
APRIL.				0	1	2	3							1	2	3
MAY				1	1	3	4							2	3	5
JUNE.	1	0	1	2	4	1	5							7	1	8
TOTAL:	4	0	4	16	18	21	39	5	3	8	0	1	1	43	25	68

(b) DEATHS IN AGE GROUPS.

	EUR.			MIN.	NON.M.N.			COL.			AS.			TOTAL.		
	M.	F.	T.	NAT.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
UNDER 1					1	1	2	3	2	5				4	3	7
1-4					4	5	9							4	5	9
5-9					0	2	2							0	2	2
10-14					1	2	3							1	2	3
15-19					1	2	3				0	1	1	1	3	4
20-24				6	0	1	1							6	1	7
25-29				2	1	3	4							3	3	6
30-34				2	2	2	4							4	2	6
35-39					1	0	1	1	0	1				2	0	2
40-44				2	4	2	6							6	2	8
45-49				3	1	1	2							4	1	5
50-54	2	0	2					1	0	1				3	0	3
55-59	1	0	1	1										2	0	2
60-64					1	0	1	0	1	1				1	1	2
65-69					1	0	1							1	0	1
70-74																
75 and over.	1	0	1											1	0	1
TOTAL:	4	0	4	16	18	21	39	5	3	8	0	1	1	43	25	68

(c) DEATH RATES PER 1000 POPULATION PER ANNUM.

	MALES.	FEMALES.	TOTAL.
EUROPEAN.	0.32	0.00	0.16
MIN. NATIVES.	0.82	-	0.82
NON.MIN.NATIVES.	1.14	1.89	1.45
COLOURED.	3.84	2.14	2.96
ASIATIC.	0.00	1.66	0.83
ALL NON EUROPEANS.	1.06	1.90	1.27
ALL RACES.	0.87	0.99	0.91

PULMONARY T.B.

(a) DEATHS IN MONTHS.

	EUR.			MIN.	NON.M.N.			COL.			AS.			TOTAL.		
	M.	F.	T.	NAT.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
JULY	0	0	0	0	2	2	4	0	1	1	0	0	0	2	3	5
AUGUST.	1	0	1	5							0	1	1	6	1	7
SEPTEMBER.					2	5	7	1	0	1				3	5	8
OCTOBER.					1	0	1							1	0	1
NOVEMBER.					0	1	1							0	1	1
DECEMBER.								1	0	1				1	0	1
JANUARY.				2	1	0	1							3	0	3
FEBRUARY.				0	1	1	2							1	1	2
MARCH.				1	2	2	4	2	0	2				5	2	7
APRIL.					1	2	3							1	2	3
MAY.					1	2	3							1	2	3
JUNE.	1	0	1	1	4	0	4							6	0	6
TOTAL:	2	0	2	9	15	15	30	4	1	5	0	1	1	30	17	47

(b) DEATHS IN AGE GROUPS.

	EUR.			MIN.	NON.M.N.			COL.			AS.			TOTAL.		
	M.	F.	T.	NAT.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
UNDER 1 YEAR.					1	0	1	2	1	3				3	1	4
1-4					2	4	6							2	4	6
5-9					0	1	1							0	1	1
10-14					1	1	2							1	1	2
15-19					1	2	3				0	1	1	1	3	4
20-24				3	0	1	1							3	1	4
25-29				2	1	2	3							3	2	5
30-34				1	2	2	4							3	2	5
35-39					1	0	1	1	0	1				2	0	2
40-44				1	3	1	4							4	1	5
45-49				1	1	1	2							2	1	3
50-54	1	0	1					1	0	1				2	0	2
55-59				1										1	0	1
60-64					1	0	1							1	0	1
65-69					1	0	1							1	0	1
70-74																
OVER 75.	1	0	1											1	0	1
TOTAL:	2	0	2	9	15	15	30	4	1	5	0	1	1	30	17	47

(c) DEATH RATES PER 1000 POPULATION PER ANNUM.

	MALES.	FEMALES.	TOTAL.
EUROPEAN.	0.15	0.00	0.08
MIN. NATIVES.	0.46	-	0.46
NON.MIN. NATIVES.	0.95	1.35	1.12
COLOURED.	3.07	0.71	1.85
ASIATIC.	0.00	1.66	0.83
ALL NON-EUROPEANS.	0.76	1.29	0.89
ALL RACES.	0.60	0.67	0.63

INFECTIOUS DISEASES.

NOTIFICATIONS RECEIVED AND ACCEPTED.

DISEASE	EUROPEAN	NATIVE	COL.	AS.	TOTAL.
MEASLES.	185	73	2	1	261
WHOOPING COUGH.	57	96	14	5	172
SCARLET FEVER.	50	0	0	0	50
C.S. MENINGITIS.	3	34	1	1	39
INFECTIVE ENCEPHALITIS.	0	2	0	0	2
DIPHTHERIA.	10	4	0	1	15
ERYSIPELAS.	3	3	1	0	7
PUERPERAL SEPSIS.	2	3	1	0	6
OPHTHALMIA NEONATORUM	0	4	0	0	4
TRACHOMA.	0	2	0	0	2
T.B. (ALL FORMS).	12	87	10	5	114
ENTERIC FEVER.	54	25	0	1	80
SMALL POX.	0	1	0	0	1
TOTAL:	376	334	29	14	753

(a) M E A S L E S.

NOTIFICATIONS IN MONTHS.

	EUR.			MIN.	NON.M.NAT.			COL.			AS.			ALL RACES.		
	M.	F.	T.	NAT.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
JULY	0	1	1	0	1	1	2	0	0	0	0	1	1	1	3	4
AUGUST.	0	1	1	1										1	1	2
SEPTEMBER.	38	33	71	6	0	4	4	0	1	1				44	38	82
OCTOBER.	22	28	50	12	3	2	5	0	1	1				37	31	68
NOVEMBER.	8	7	15		2	3	5							10	10	20
DECEMBER.	1	2	3		2	1	3							3	3	6
JANUARY.	3	3	6	2	5	0	5							10	3	13
FEBRUARY.	3	2	5	3	2	3	5							8	5	13
MARCH.	2	12	14	1	4	1	5							7	13	20
APRIL.	4	4	8	0	1	0	1							5	4	9
MAY.	4	4	8		4	2	5							8	6	14
JUNE	2	1	3	1	2	4	6							5	5	10
TOTAL:	87	98	185	26	26	21	47	0	2	2	0	1	1	139	121	261

(b) PERTUSSIS.

NOTIFICATIONS IN MONTHS.

	EUR.			MIN.	NON.MIN.N.			COL.			AS.			TOTAL.		
	M.	F.	T.	NAT.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
JULY	3	2	5	0	12	27	39	0	6	6				15	35	50
AUGUST.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SEPTEMBER.	1	7	8		5	8	13	1	1	2	0	2	2	7	18	25
OCTOBER.	4	1	5		5	2	7	0	2	2				9	5	14
NOVEMBER.	3	2	5		1	8	9				0	1	1	4	11	15
DECEMBER	1	2	3		1	0	1				1	0	1	3	2	5
JANUARY.	0	4	4		2	6	8	0	1	1	1	0	1	3	11	14
FEBRUARY.	1	3	4		2	0	2	1	1	2				4	4	8
MARCH.	7	3	10		3	4	7							10	7	17
APRIL.	4	2	6		4	0	4							8	2	10
MAY.	3	0	3		2	1	3	1	0	1				6	1	7
JUNE.	3	1	4		1	2	3							4	3	7
TOTAL:	30	27	57	0	38	58	96	3	11	14	2	3	5	73	99	172

(c) SCARLET FEVER.

NOTIFICATIONS IN MONTHS.

	EUROPEANS.			TOTAL		
	M.	F.	T.	M.	F.	T.
JULY	2	0	2	2	0	2
AUGUST.	1	1	2	1	1	2
SEPTEMBER.	4	2	6	4	2	6
OCTOBER.	2	1	3	2	1	3
NOVEMBER.	3	1	4	3	1	4
DECEMBER.	5	2	7	5	2	7
JANUARY.	1	3	4	1	3	4
FEBRUARY.	3	0	3	3	0	3
MARCH.	2	1	3	2	1	3
APRIL.	3	0	3	3	0	3
MAY.	1	4	5	1	4	5
JUNE.	2	6	8	2	6	8
TOTAL:	29	21	50	29	21	50

(d) DIPHTHERIA.

NOTIFICATIONS IN MONTHS.

	EUR.			MIN.	NON.MIN.N.			COL.			AS.			TOTAL.		
	M.	F.	T.	NAT.	M.	F.	T	M.	F.	T.	M.	F.	T.	M.	F.	T.
JULY	2	2	4	0	1	1	2	0	0	0	0	0	0	3	3	6
AUGUST.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SEPTEMBER.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OCTOBER.	1	0	1	0	0	0	0	0	0	0	0	0	0	1	0	1
NOVEMBER.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DECEMBER.	1	0	1	0	0	0	0	0	0	0	0	0	0	1	0	1
JANUARY.	0	3	3	0	0	0	0	0	0	0	0	0	0	0	3	3
FEBRUARY.	0	0	0	0	0	2	2	0	0	0	0	0	0	0	2	2
MARCH.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
APRIL	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1
MAY.	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1
JUNE.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL:	4	6	10	0	1	3	4	0	0	0	1	0	1	6	9	15

(e) CEREBRO-SPINAL MENINGITIS.

NOTIFICATIONS IN MONTHS.

	EUR.			MIN.	NON.MIN.N.			COL.			AS.			TOTAL.		
	M.	F.	T.	NAT.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
JULY	0	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
AUGUST.	0	1	1	7	0	0	0	0	0	0	0	0	0	7	1	8
SEPTEMBER.	1	0	1	6	0	1	1	0	0	0	0	0	0	6	2	8
OCTOBER.	0	1	1	0	0	0	0	1	0	1	0	0	0	1	1	2
NOVEMBER.	0	0	0	6	0	0	0	0	0	0	0	0	0	6	0	6
DECEMBER.	0	0	0	0	1	0	1	0	0	0	1	0	1	2	0	2
JANUARY.	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	1
FEBRUARY.	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	1
MARCH.	0	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
APRIL.	0	0	0	2	0	0	0	0	0	0	0	0	0	2	0	2
MAY.	0	0	0	3	0	0	0	0	0	0	0	0	0	3	0	3
JUNE.	0	0	0	4	0	0	0	0	0	0	0	0	0	4	0	4
TOTAL:	1	2	3	30	3	1	4	1	0	1	1	0	1	35	4	39

(f) ENTERIC FEVER.

NOTIFICATIONS IN MONTHS.

	EUR.			MIN.	NON.MIN.N.			COL.			AS.			TOTAL.		
	M.	F.	T.	NAT.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
JULY	0	0	0	0	0	1	1	0	0	0	0	1	1	0	2	2
AUGUST.	1	0	1	0	1	0	1	0	0	0	0	0	0	2	0	2
SEPTEMBER.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OCTOBER.	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1
NOVEMBER.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DECEMBER.	7	3	10	0	0	1	1	0	0	0	0	0	0	7	4	11
JANUARY.	11	13	24	1	1	1	2	0	0	0	0	0	0	13	14	27
FEBRUARY.	10	8	18	0	2	2	4	0	0	0	0	0	0	12	10	22
MARCH.	1	0	1	2	0	1	1	0	0	0	0	0	0	3	1	4
APRIL.	0	0	0	0	1	1	2	0	0	0	0	0	0	1	1	2
MAY.	0	0	0	1	0	1	1	0	0	0	0	0	0	1	1	2
JUNE.	0	0	0	5	0	0	0	0	0	0	0	0	0	5	0	5
TOTAL:	30	24	54	9	5	9	14	0	0	0	0	1	1	44	34	78

(b) NO. OF PERSONS IMMUNISED.

EUROPEANS.....3770
NON-EUROPEANS.....1708

TOTAL: 5478

(c) VI-TESTING.

No. of Blood Tests Taken...1236
No. Vi Postive..... 63

(d) VARIOUS RATES.

	DEATH RATES (DEATHS PER 1,000 POPULATION.	INCIDENCE RATES (NOTIFICATIONS PER 1000 POPULATION.	CASE MORTALITY RATES (DEATHS PER 100 CASES.
EUROPEAN.	0.0	2.18	0.0
MINING NATIVES.	0.05	0.47	11.1
NON-MIN. NATIVES.	0.11	0.52	21.4
COLOURED.	0.0	0.0	0.0
ASIATIC.	0.0	0.83	0.0
ALL NON-EUROPEAN.	0.08	0.48	16.6
ALL RACES.	0.05	1.04	5.1

(g) TUBERCULOSIS.

(a) NOTIFICATIONS.

	EUR.			MIN.	NON.MIN.N.			COL.			AS.			TOTAL:		
	M.	F.	T.	NAT.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
PULMONARY T.B.	6	0	6	32	17	15	32	3	3	6	2	1	3	60	19	79
NON " "	5	0	5	12	1	9	10	2	2	4	2	0	2	22	11	33
TOTAL:	11	0	11	44	18	24	42	5	5	10	4	1	5	82	30	112

(b) PULMONARY T.B.

NOTIFICATIONS IN AGE GROUPS.

	EUR.			MIN.	NON.MIN.N.			COL.			AS.			ALL RACES.		
	M.	F.	T.	NAT.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
0																
1					0	1	1							0	1	1
2					2	1	3							2	1	3
3					1	0	1							1	0	1
4																
5-9					0	1	1							0	1	1
10-14					2	2	4							2	2	4
15-19											0	1	1	0	1	1
20-24				5	0	3	3	0	1	1	2	0	2	7	4	11
25-29				3	1	3	4	0	1	1				4	4	8
30-34				7	2	1	3	1	0	1				10	1	11
35-39	1	0	1	5	1	2	3	1	0	1				8	2	10
40-44				2	3	0	3	0	1	1				5	1	6
45-49	1	0	1	5	2	1	3							8	1	9
50-54	1	0	1	3										4	0	4
55-59				2										2	0	2
60-64	2	0	2		1	0	1							3	0	3
65-69					2	0	2	1	0	1				3	0	3
70 AND OVER.	1	0	1											1	0	1
TOTAL:	6	0	6	32	17	15	32	3	3	6	2	1	3	60	19	79

(c) T.B. CLINIC: NO. OF CONTACTS EXAMINED.

EUROPEANS..... 5
NON EUROPEANS.....255

TOTAL: 260

(d) VARIOUS RATES.

	DEATH RATES (DEATHS PER 1000 POPULATION.	INCIDENCE RATES (NOTIFICATIONS PER 1000 POPULATION.
EUROPEAN.	0.16	0.44
MIN. NATIVES.	0.82	2.22
NON.MIN. NATIVES.	1.45	1.56
COLOURED	2.96	3.70
ASIATIC.	0.83	4.16
ALL NON-EUROPEAN.	1.27	2.01
ALL RACES.	0.91	1.49

REMOVALS TO HOSPITAL.

INFECTIOUS DISEASES

(a) BOKSBURG-BENONI HOSPITAL.

	EUR.	NON.M.N.	COL.	AS.	ALL RACES.
WHOOPING COUGH.	3	4	0	0	7
PULMONARY T.B.	3	24	5	2	34
DIPHTHERIA.	16	6	0	1	23
MENINGOCOCCAL MENINGITIS.	5	6	2	1	14
TYPHOID FEVER.	29	34	0	1	64
TRACHOMA.	0	2	0	0	2
MILIARY T.B.	0	2	1	0	3
T.B. MENINGITIS.	0	2	1	0	3
T.B. PERITONITIS.	0	1	0	0	1
T.B. SPINE.	1	3	0	0	4
T.B. KIDNEY.	0	0	0	1	1
T.B. KNEE.	0	1	0	0	1
T.B. GLANDS.	0	2	0	0	2
MEASLES.	3	6	0	0	9
PUERPERAL SEPSIS.	1	6	2	0	9
ENCEPHALITIS.	0	1	0	0	1
CHICKEN POX.	0	1	0	0	1
SCARLET FEVER.	2	0	0	0	2
ERYSIPELAS.	3	0	2	0	5
MUMPS.	1	0	1	0	2
VULVO-VAGINITIS.	1	1	0	0	2
OPTHALMIA NEONATORUM.	0	3	0	0	3
CHICKEN POX AND SALPHINGITIS.	1	0	0	0	1
TOTAL:	69	105	14	6	194

(b) MINE HOSPITAL.

	MINING NATIVES.
PULMONARY T.B.	29
T.B. KNEE.	1
PULMONARY T.B. AND SILICOSIS.	3
MILIARY T.B.	4
T.B. PERITONITIS.	3
T.B. GLANDS.	1
ERYSIPELAS.	3
MENINGOCOCCAL MENINGITIS.	30
MEASLES.	19
TYPHOID FEVER.	9
TOTAL:	102

(c) NURSING HOMES AND HOSPITALS.

	EUROPEAN	NON.MIN. NATIVES.	ALL RACES.
PULMONARY T.B.	1	1	2
TYPHOID FEVER.	34		34
MENINGOCOCCAL MENINGITIS.	1		1
TOTAL:	36	1	37

(d) RIETFONTEIN ISOLATION HOSPITAL.

	EUR.	MIN.NAT.	NON.M.N.	COL.	ALL RACES
GONORRHOEA.	1	0	73	4	78
SYPHILIS	0	0	148	2	150
V.D. WARTS.	0	0	3	0	3
GONORRHOEA AND SYPHILIS	0	0	10	1	11
AMAAS.	0	0	1	0	1
CHICKEN POX.	0	0	1	0	1
TOTAL:	1	0	236	7	244

MATERNAL AND CHILD WELFARE.

(a) INFANT AND ANTE NATAL CLINICS.

	EUROPEAN TOWN	EUROPEAN N'MEAD.	NON-EUROPEAN NAT.	NON-EUROPEAN COL.	AS.	ALL RACES. TOTAL.
INFANT CLINICS.						
New Cases.	340	120	436	115	17	1,028
ATTENDANCES.	3,867	2,041	3,864	1,088	214	11,074
ANTE-NATAL CLINICS.						
NEW CASES.	123	-	849	73	3	1,048
ATTENDANCES.	385	-	4,158	415	15	4,973

(b) HOME VISITS ETC.

	EUR.	NAT.	COL.	AS.	TOTAL.
FIRST VISIT.	697	424	166	149	1,436
RE-VISITS.	1,315	1,046	794	554	3,709
ANTE-NATAL VISITS.	10	396	180	81	667
STILL BIRTHS.	4	3	-	-	7
INFANTILE MORTALITY	8	220	64	13	305
INFECTIOUS DISEASES.	9	2	-	-	11
INSPECTION OF MIDWIVES.	7	-	-	-	7
NURSING HOMES.	4	-	-	-	4
SHOP CONDITIONS ETC.	69	-	-	-	69
PUERPERAL SEPSIS.	2	10	-	-	12
SUB-ECONOMIC HOUSES.	203	-	-	-	203
V.D. DEFAULTERS.	11	528	275	119	933
TOTAL:	1,339	2,629	1,479	916	7,363

(c) DISTRICT MIDWIFERY SERVICE.

CASES CONFINED IN MONTHS.

	CONF. ON DISTRICT					CONF. IN HOSPITAL					ALL CASES.				
	EUR.	NAT.	COL.	AS.	TOTAL	EUR.	NAT.	COL.	AS.	TL.	EUR.	NAT.	COL.	AS.	TOTAL
JULY	0	16	2	0	18	3	24	3	0	30	1	40	1	0	48
AUGUST.	1	13	1	0	15	3	33	0	0	36	4	46	1	0	51
SEPTEMBER.	0	15	3	0	18	1	39	0	0	40	1	54	3	0	58
OCTOBER.	2	21	2	0	25	5	30	0	0	35	7	51	2	0	60
NOVEMBER.	3	18	1	0	22	2	47	2	0	51	5	65	3	0	73
DECEMBER.	1	15	0	0	16	1	39	0	0	40	2	54	0	0	56
JANUARY.	0	16	0	0	16	6	28	4	0	38	6	44	4	0	54
FEBRUARY.	3	25	0	0	28	7	22	6	0	35	10	47	6	0	63
MARCH.	3	17	0	0	20	2	28	3	0	33	5	45	3	0	53
APRIL.	2	14	0	0	16	1	34	0	0	35	3	48	0	0	51
MAY.	1	21	0	0	22	8	39	1	1	49	9	60	1	1	71
JUNE.	1	17	0	0	18	3	30	3	0	36	4	47	3	0	54
TOTAL:	17	208	9	0	234	42	393	22	1	458	59	601	31	1	692

BOKSBURG-BENONI HOSPITAL : OUT PATIENT DEPARTMENT.

MONTHLY ATTENDANCES.

	EUROPEANS.		NON-EUROPEANS.		ALL RACES.	
	PATIENTS	ATTENDANCES	PATIENTS.	ATTEND.	PATIENTS.	ATTEN.
JULY	174	887	309	1690	483	2577
AUGUST.	112	244	917	1641	1029	1885
SEPTEMBER.	245	329	755	1181	1000	1510
OCTOBER.	153	276	950	1750	1103	2026
NOVEMBER.	192	904	301	1763	493	2667
DECEMBER.	156	865	267	1487	423	2352
JANUARY.	129	973	221	1102	350	2075
FEBRUARY.	195	939	239	1134	434	2073
MARCH.	199	300	1008	1784	1207	2084
APRIL.	105	167	836	1510	941	1677
MAY.	214	280	936	1505	1150	1785
JUNE.	235	339	883	1539	1118	1878
TOTAL:	2109	6503	7622	18086	9731	24589

VENEREAL DISEASE.

(a) ATTENDANCES IN MONTHS.

	EUR.			NAT			COL			AS.			ALL RACES.		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
JULY	12	27	39	331	558	889	7	46	53	-	-	-	350	631	981
AUGUST	11	15	26	272	633	905	6	30	36	2	2	4	291	680	971
SEPTEMBER	27	47	74	348	536	884	3	19	22	4	0	4	382	602	984
OCTOBER	14	41	55	352	515	867	16	22	38	19	1	20	401	579	980
NOVEMBER	7	23	30	210	280	490	11	13	24	2	0	2	230	316	546
DECEMBER	4	18	22	105	346	451	8	13	21	0	0	0	117	377	494
JANUARY	25	38	63	271	295	566	1	14	15	0	0	0	297	347	644
FEBRUARY	8	22	30	208	253	461	2	30	32	3	2	5	221	307	528
MARCH	13	27	40	258	468	726	4	18	22	5	3	8	280	516	796
APRIL	4	14	18	269	414	683	8	19	27	2	10	12	283	457	740
MAY	7	20	27	266	454	720	7	12	19	1	5	6	281	491	772
JUNE	9	20	29	337	429	766	13	16	29	1	0	1	360	465	825
TOTAL:	141	312	453	3227	5181	8408	86	252	338	39	23	62	3493	5768	9261

(b) NEW CASES (EXCLUDING SENT TO HOSPITAL.

	EUR.			NAT.			COL.			AS.			ALL RACES.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
JULY	1	2	3	21	44	65	0	0	0	0	0	0	22	46	68
AUGUST.	0	0	0	11	47	58	1	1	2	0	0	0	12	48	60
SEPTEMBER.	1	2	3	22	23	45	0	1	1	0	0	0	23	26	49
OCTOBER.	0	1	1	15	21	36	1	2	3	0	0	0	16	24	40
NOVEMBER.	0	1	1	10	40	50	1	1	2	0	0	0	11	42	53
DECEMBER.	0	1	1	3	23	26	0	1	1	0	0	0	3	25	28
JANUARY.	0	0	0	7	38	45	0	0	0	0	0	0	7	38	45
FEBRUARY.	0	1	1	11	43	54	2	0	2	0	0	0	13	44	57
MARCH.	0	1	1	23	29	52	0	2	2	1	0	1	24	32	56
APRIL.	0	0	0	15	25	40	0	0	0	0	0	0	15	25	40
MAY.	0	0	0	14	28	42	1	0	1	0	0	0	15	28	43
JUNE.	2	0	2	14	18	32	0	1	1	0	0	0	16	19	35
TOTAL:	4	9	13	166	379	545	6	9	15	1	0	1	177	397	574

(c) ALL CLINICS.

	EUROPEANS.			NATIVE.			COLOURED.			AS.			ALL RACES.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
NEW CASES:															
SYPHILIS (i) & (ii)	2	3	5	54	57	111	3	5	8	0	0	0	59	65	124
" (iii)	2	6	8	91	287	378	3	3	6	1	0	1	97	296	393
" Neuro	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
" Congenital.	0	0	0	21	35	56	0	1	1	0	0	0	21	36	57
TOTAL SYPHILIS.	4	9	13	166	379	545	6	9	15	1	0	1	177	397	574
GONORRHOEA.	1	0	1	61	3	64	1	0	1	0	0	0	62	3	65
TOTAL V.D.	5	9	14	227	382	609	7	9	16	1	0	1	239	400	639
ATTENDANCES:															
SYPHILIS (i) & (ii)	23	42	65	335	248	583	18	31	149	0	0	0	366	321	687
" (iii)	83	89	172	1968	2842	4810	47	109	156	13	0	13	2123	3040	5163
" Neuro.	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1
" Congenital.	0	47	47	239	396	635	8	5	13	0	0	0	247	448	695
TOTAL SYPHILIS.	106	178	284	2542	3487	6029	73	145	218	13	0	13	2736	3810	6546
GONORRHOEA.	3	0	3	61	3	64	1	0	1	0	0	0	64	3	67
TOTAL V.D.	109	178	287	2603	3490	6093	74	145	219	13	0	13	2800	3813	6613
NON V.D.	32	134	166	624	1791	2315	12	107	119	25	23	48	693	1955	2648
TOTAL ATTENDANCES.	141	312	453	3227	5181	8408	86	252	338	38	23	61	3493	5768	9261
W.R'S TAKEN.	35	143	178	830	2192	3022	22	122	144	26	24	50	913	2481	3394
" POSITIVE.	3	9	12	206	501	707	10	15	25	1	1	2	220	526	746
INJECTIONS.															
Intramuscular.	3	31	34	215	655	870	2	29	31	8	1	9	228	716	944
Intravenous.	92	152	244	1866	2680	2546	54	105	159	1	0	1	2013	2937	4950
TOTAL:	95	183	278	2081	3335	5416	56	134	190	9	1	10	2241	3653	5894

RACE WELFARE : MONTHLY ATTENDANCES.

	EUROPEAN.			NON-EUROPEAN.			ALL RACES.		
	NEW CASES	ATTEND-ANCES	TO-TAL.	NEW CASES	ATTEND-ANCES.	TO-TAL	NEW CASES	ATTEND-ANCES.	TO-TAL
JULY.	7	14	21	0	3	3	7	17	24
AUGUST.	5	11	16	0	0	0	5	11	16
SEPTEMBER.	9	14	23	1	2	3	10	16	26
OCTOBER.	5	9	14	2	4	6	7	13	20
NOVEMBER.	4	12	16	7	9	16	11	21	32
DECEMBER.	8	12	20	4	7	11	12	19	31
JANUARY.	7	10	17	2	4	6	9	14	13
FEBRUARY.	4	15	19	3	5	8	7	20	27
MARCH.	7	15	22	3	5	8	10	20	30
APRIL.	3	13	16	2	8	10	5	21	26
MAY.	9	11	20	1	3	4	10	14	24
JUNE.	9	14	23	5	8	13	14	22	36
TOTAL:	77	150	227	30	58	88	107	208	315

PASS OFFICE: MEDICAL EXAMINATION NATIVES.

(a) NATIVE MALES.

	NO. EXAMINED.	REFERRED TO V.D. CLINIC.	ADMITTED RIETFONTEIN V.D. HOSPITAL.
JULY	1137	56	8
AUGUST.	1241	40	10
SEPTEMBER.	1265	65	11
OCTOBER.	1198	49	19
NOVEMBER.	1117	13	9
DECEMBER.	756	39	6
JANUARY.	1792	9	20
FEBRUARY	1690	25	21
MARCH.	1202	86	17
APRIL.	1123	54	13
MAY.	1030	37	16
JUNE.	1024	27	17
TOTAL:	14176	500	167

(b) NATIVE FEMALES.

NO. EXAMINED..... 28
NO. SENT TO RIETFONTEIN..... 26

WORK OF HEALTH INSPECTORS (TOWN) ANNUAL REPORT.

Notices.	1496
Aerated Water Manufacturers.	65
Butcher Shops.	375
Baker Shops (Without Bakehouses).	57
Bakehouses.	121
Butchers' Carts and Carriers.	47
Bakers' Carts.	14
Dealers' and General Dealers' Shops (Food)	3368
Dealers' and General Dealers' Shops (No Food).	3124
Dairy Stables and Dairies.	905
Fish and Poultry Shops.	289
Hawkers' Premises.	29
Hawkers' Carts.	2
Ice Cream (Purveyors and Manufacturers of)	27
Ice Cream Carts.	14
Kaffir Eating Houses.	838
Milkshops (Purveyors of Milk).	248
Milk Delivery Carts.	233
Municipal Market.	279
Other places where food is manufactured.	54
Other Factory or Workshop.	223
Other Visits.	531
Private Cowsheds.	5
Residential Hotels, Boarding Houses.	211
Tea Shops, Cafes, Restaurants and Eating Houses.	1092
Theatres and Bioscopes.	16
Common Lodging Houses.	9
Cattle Dealers' Premises.	34
Hairdressers.	106
Laundries.	1
Sideshows.	3
Tenement Houses.	3
Accumulation of manure.	1
Blood Tests.	1085
Complaints.	881
Courts, Alleys, Lanes.	247
Drains - defective, insufficient, choked, dirty.	296
House Inspections.	4632
Horse Stables.	516
Interviews.	1807
Keeping of Animals.	34
Mosquitoes (a) Standing Water.	49
(b) Catchpits.	80
Native Housing.	847
Other House Inspections.	359
Open Ground.	96
Pail Closets - (a) Dirty.	39
(b) Defective.	161
(c) Insufficient.	1
Plans - (a) Buildings: (1) Approved without comment.	322
(2) Number referred back for amendment.	120

(b) Drainage/.....

WORK OF HEALTH INSPECTORS (TOWN) ANNUAL REPORT CONTINUED.

(b) Drainage : (1) Approved without comment.	65
(2) Number referred back for amendment.	18
Public Sanitary Conveniences.	326
Permits: Urban Areas Act.	102
Premises: Constructional Repairs.	924
Refuse Tips.	153
Refuse: Accumulations of	565
Refuse bins - (a) Broken.	1407
(b) Insufficient.	260
Undrained premises.	14
Stands Inspected.	27
Visits to Compounds - (a) Mine.	116
Visits in connection with Infectious Disease.	604
Visits to premises in connection with Rodent Infestation.	7778
Visits to premises under cyanide fumigation.	125
Visits to premises for vermin.	49
Waste Water Receptacles.	1
Water Closets - (a) Dirty.	154
(b) Defective.	443
(c) Insufficient.	23
Licences - (1) Applications received.	327
(2) Applications approved without comment.	231
(3) Applications subject to conditions.	74
(4) Applications not in order.	8
(5) Applications withdrawn.	7
(6) Applications in abeyance.	7
Stopped drains.	25
Unauthorised structures.	2
Undrained premises.	7
Structural defects to premises.	16
Other defects.	10
GRAND TOTAL:	37537

WORK OF HEALTH INSPECTORS (LOCATION) ANNUAL REPORT.

Notices.	390
Butcher Shops.	321
Bakehouses.	30
Dealers' and General Dealers' Shops (Food)	254
Dealers' and General Dealers' Shops (No Food).	34
Dairy Stables and Dairies.	28
Fish and Poultry Shops.	86
Hawkers' Premises.	44
Hawkers' Carts.	33
Ice Cream (Purveyors and Manufacturers of)	38
Kaffir Eating Houses.	50
Milkshops (Purveyors of Milk).	14
Milk Delivery Carts.	6
Other visits.	808
Pedlars' Premises.	2
Pedlars' Vehicles.	1
Tea Shops, Cafes, Restaurants and Eating Houses.	12
Theatres and Bioscopes.	7
Common Lodging Houses.	2

Hairdressers/.....

WORK OF HEALTH INSPECTORS (TOWN) ANNUAL REPORT CONTINUED

Hairdressers	74
Accumulation of manure	4
Blood Tests	92
Complaints	94
Courts, Alleys, Lanes	1
Drains - defective, insufficient, choked, dirty	33
House Inspections	43
Horse Stables	159
Interviews	60
Keeping of Animals	307
Mosquitoes - Catchpits	6
Other House Inspections	9
Pail Closets - (a) Dirty	17
(b) Defective	31
(c) Insufficient	46
Plans - (a) Buildings: (1) Approved without comment	8
(2) Number referred back for amendment	1
(b) Drainage: (1) Approved without comment	1
Public Sanitary Conveniences	209
Refuse Tips	13
Refuse: Accumulations of	130
Refuse bins - (a) Broken	50
(b) Insufficient	3
Stands Inspected	1672
Sites or premises, re deposited plans	3
Visits in connection with Infectious Disease	444
Visits to premises for vermin	20
Wash Houses	1
Waste Water Receptacles	42
Water closets - (a) Defective	1
(b) Insufficient	2
Licences - (1) Applications received	99
(2) Applications approved without comments	62
(3) Applications subject to conditions	22
(4) Applications not in order	10
(5) Applications in abeyance	5
Stopped drains	4
Defective Water Fittings	4
Unauthorised structures	13
Undrained premises	1
Other defects	4

FOODSTUFFS CONDEMNED.

(FROM FOOD SHOPS, MUNICIPAL MARKET, ETC.)

FRUIT AND VEGETABLES.

Dried Fruit.	34 lbs.
Grape Fruit.	3 Pockets.
Lemons.	129 Pockets.
Onions.	8 Bags.
Oranges.	421 Pockets.
Plums.	10 Trays.
Potatoes.	40 Small Pockets.
Potatoes (Sweet).	19 Bags.

VARIOUS FRESH FOODS.

Butter.	28 lbs.
Cooked Hams.	206 lbs.
Fish.	490 lbs.
Fowls.	23
Mabella Meal.	155 lbs.
Mealy Meal.	10 lbs.
Rice.	12 lbs.

TINNED FOODSTUFFS.

Asparagus.	2 tins.
Assorted.	121 tins.
Beans.	16 tins.
Black Pudding.	1 tin.
Canned Fruit.	54 tins.
Carrots.	13 tins.
Caviar.	282 tins.
Condensed Milk.	23 tins.
Fish.	133 tins.
Jam.	75 tins.
Ox Tongue.	2 tins.
Peas.	53 tins.
Pilchards in Sauce.	84 tins.
Potted Meal.	9 tins.
Sausages.	8 tins.
Sheep Tongue.	2 tins.
Steak & Kidney.	57 tins.
Sweet Corn.	4 tins.
Syrup.	1 tin.
Veal Loaf.	6 tins.
Chutney.	5 Bottles.
Pickles.	138 Bottles.
Pickled Onions.	10 Bottles.

FOODS, DRUGS AND DISINFECTANTS ACT.

1. SAMPLES FOR CHEMICAL ANALYSIS.

(a) MILK.

(i)	No. of samples taken.....	73
(ii)	No. of samples returning milk fat above 4%..	1
	No. of samples returning milk fat between 3.5% & 4%	32
	No. of samples returning milk fat between 3.0% & 3.5%	36
	No. of samples returning milk fat below 3%	4
	TOTAL:	73
(iii)	No. of samples returning milk solids (not Fat) below 8.5	27

(b) OTHER FOODSTUFFS.

Aerated Water	3	Satisfactory.
Cordial.	1	
Cherry Cider.	1	
Ginger Beer	1	
Orange Squash.	1	Excess Sulphur Dioxide.

(c) WATER. 2

SAMPLES FOR BACTERIOLOGICAL EXAMINATION.

(a) MILK. .....84 Samples taken.

Organisms under 200,000 per c.c.....	54
Organisms over 200,000 per c.c.....	30
B. Coli present in 0.1 c.c.....	21
B. Coli present in 0.01 c.c.....	7
B. Coli present in 0.001 c.c.....	5

(b) WATER.....8 samples taken.

Total Count less than 50 organisms per c.c...	6
Total Count more than 50 organisms per c.c...	2
B. Coli not present in 1 c.c.....	2
B. Coli present in .10 c.c.....	-

(c) ICE CREAM/.....

SAMPLES FOR BACTERIOLOGICAL EXAMINATION CONTINUED.

(c) ICE CREAM.....12 Samples taken.

Organisms under 200,000 per c.c.....	3
Organisms over 200,000 per c.c.....	9
B. Coli present in 0.1 c.c.....	5
B. Coli present in 0.01 c.c.....	2
B. Coli present in 0.001 c.c.....	1

(d) BUTTER..... 2 Samples taken.

Organisms under 200,000 per c.c.....	2

LICENCE APPLICATIONS.

(a) DEALERS (WHOLESALE AND RETAIL).

	APPLICATIONS RECEIVED.	APPROVED NO CONDITIONS.	APPROVED AFTER CONDITIONS.	NOT IN ORDER.	WITHDRAWN	INSUFFICIENT ADDRESS.
BAKERS & CONFECTIONERS	3	1	1	0	1	0
BILLIARD SALOONS.	2	2	-	-	-	-
BIOSCOPES & THEATRES.	7	3	3	1	-	-
BOARDING HOUSES.	12	11	-	-	1	-
BUTCHERS.	11	7	4	-	-	-
CYCLE DEALERS.	3	3	-	-	-	-
DOG KENNELS.	3	2	1	-	-	-
FISHMONGERS.	7	1	6	-	-	-
FUMIGATORS.	3	3	-	-	-	-
GENERAL DEALERS	124	104	10	8	2	-
GREENGROCERS.	40	22	14	4	-	-
HAIRDRESSERS.	31	19	12	-	-	-
HAWKERS.	68	42	18	5	2	1
HOTELS.	11	11	-	-	-	-
ICE CREAM HAWKERS.	10	8	-	-	2	-
LAUNDRIES.	6	5	1	-	-	-
LODGING HOUSES.	3	3	-	-	-	-
MINERAL WATERS.	2	1	1	-	-	-
PEDLARS	2	-	-	2	-	-
RESTAURANT & T.ROOMS	14	11	3	-	-	-
UNDERTAKERS.	2	2	-	-	-	-
MISCELANEOUS.	14	14	-	-	-	-
TOTAL:	378	275	74	20	8	1

PROSECUTIONS.

LAW.	OFFENCE	PENALTY.
Food, Drugs & Disinfectant Act. Section (17)	Adulterated Milk	Guilty Fined £10.
Food, Drugs & Disinfectant Act. Section (17)	Adulterated Milk	Guilty Fined £1.
Food, Drugs & Disinfectant Act. Section 5 (2)	Excess Sulphur Dioxide.	Guilty Fined £3
Food, Drugs & Disinfectant Act. Section (17)	Adulterated Milk	Not guilty.
Food, Drugs & Disinfectant Act. Section (17)	Adulterated Milk.	Guilty Fined £5 suspended for 6 months.
Food, Drugs & Disinfectant Act. Section (2).	Unlabelled Foods.	Guilty Fined £20.
Food, Drugs & Disinfectant Act. Section (17).	Adulterated Milk.	Guilty Fined £15.
Public Health Act Section 124.	Failure to comply with Notice.	Guilty Fined £10.
Food, Drugs & Disinfectaht Act. Section (17).	Adulterated Milk.	Not Guilty.
Public Health Act Section 124.	Insanitary premises.	Guilty Fined £5
Public Health Act Section 124.	Insanitary Premises.	Guilty Fined £5
Public Health Act Section 124.	Insanitary Premises.	Guilty Fined £1
Public Health Act. Section 124.	Insanitary Premises.	Guilty Fined £5
Public Health Bye Laws Section 18 (a).	Failure to provide refuse bin.	Guilty Fined £2
Public Health Act Section 113(1)	Exposing foodstuffs to contamination.	Guilty Fined £15
Public Health Act Section 12A(1)	Insanitary Premises	Guilty Fined £10.

Public Health/.....

PROSECUTIONS CONTINUED.

LAW	OFFENCE	PENALTY
Public Health Act Section 124.	Insanitary Premises.	Guilty Fined £5
Public Health Act Section 124.	Insanitary Premises.	Guilty Fined £5
Public Health Act Section 124.	Failure to comply with Notice.	Guilty Fined £5
Food, Drugs & Disinfectant Act. Section (17)	Adulterated Milk.	Guilty Fined £20.

ABATTOIR ANNUAL RETURNS.

	BOVINES.				SWINES				SHEEP.			
	NO. INFECTED.		CONDEMNED.		NO. INFECTED.		CONDEMNED.		NO. INFECTED.		CONDEMNED	
	CARCASSES.	LIVE ANIMALS	WHOLE CARCASES	PORTIONS CARCASES WEIGHT.	CARCASES.	LIVE ANIMALS.	WHOLE CARCASES	PORT. CARC. WEIGHT	CARCASSES	LIVE ANIMALS	WHOLE CARCASES	PORTIONS OF CARCASES WEIGHT.
ACTINOMYCOSIS.				2695 lbs								
MEASLES.	643		103	51860 lbs	72	56		347				
LYMPHADENITIS.									16		16	2457
PYAEMIA.	10		10									
SARCOCYSTS.					1	1						
SEPTICAEMIA.	25		25									
TUBERCULOSIS.	37		37									
BRUISING ETC.	182		182	265 lbs			1				84	
ECHINOCOCCUS CYSTS.				11746 lbs								
DISTOMATOSIS.				18580 lbs								
ABSCESSES.				7170 lbs								
ANGIOMATOSIS.				1740 lbs								

ABATTOIR ANNUAL RETURNS CONTINUED.

(A)	SLAUGHTERING.				BY-PRODUCTS IN LBS. (PRODUCED).		
	OXEN	SHEEP	CALVES	PIGS.	BLOOD MEAL	MEAT MEAL.	FAT.
JULY 1946	2362	3925	123	81	15,000 lbs	10,500 lbs	815 lbs
AUGUST	2950	3670	89	79	20,000 lbs	6,100 lbs	840 lbs
SEPTEMBER	2829	1791	133	96	20,000 lbs	-	415 lbs
OCTOBER	1805	1922	100	181	12,000 lbs	16,000 lbs	860 lbs
NOVEMBER	2167	1003	130	198	10,000 lbs	9,300 lbs	390 lbs
DECEMBER	2932	787	84	115	22,000 lbs	10,000 lbs	-
JANUARY 47	2562	1433	115	173	18,000 lbs	14,000 lbs	3300 lb
FEBRUARY	2739	1767	96	67	14,000 lbs	12,000 lbs	820 lbs
MARCH	2403	2513	89	82	16,000 lbs	12,000 lbs	1210 lb
APRIL	2304	3436	103	126	14,000 lbs	10,000 lbs	1220 lb
MAY	2603	1383	140	47	14,000 lbs	12,000 lbs	1220 lb
JUNE	2605	370	158	96	14,000 lbs	12,000 lbs	660 lbs
TOTALS:	30261	24000	1360	1341	189,000 lbs	123,900 lbs	11750 lb

(B) REVENUE.

INCOME EX SLAUGHTERING FEES.	£4550.12.0
Exam of Meat.	275. 7.3
RENTS & DISINFECTIONS.	747.15.1
COMMISSION ON LEVY.	42.19.6
BY-PRODUCT SALES.	2862.15.4
COLDSTORAGE FEES.	1921.13.2
PAUNCH CONTENTS.	110. 0.0
TOTAL INCOME.	£10511. 2.4

TOTAL EXPENDITURE: £14105.12.8

(C) MEASLES AND T.B. : CONDEMNATIONS AND DETENTIONS.

	MEASLES.				T.B.	
	TO COLDSTORAGE.		CONDEMNED		CONDEMNED	
	Total	Percentage	Total	Percentage	Total	Percentage
OXEN.	540	1.12.	103	.34	37	.12
PIGS.	23	1.7	56	4.1	Nil.	-

(D) MEASLY CARCASSES TO COLD STORAGE.

NUMBER	WEIGHT.
LOCAL 540	246,839 lbs.
IMPORTED 44	17,557 lbs.

VERMIN CONTROL.

A. RODENTS.

(a) NO. OF RODENTS KILLED.

Domestic Rats (Ratus Ratus)	8935
" Mice (Mus Musculus)	5390
Gerbilles (Tateroma Lobengula)	1103
TOTAL:	15,428

(b) NO. OF HOLES TREATED.....20,189.

(c) AMOUNT OF MATERIAL USED:-

Cyanogas	1075 lbs.
Poisoined Wheat	380 lbs.
Brown Sugar	69 lbs.
Strychnine	1 lb. 10 ozs.

B. FLY CONTROL.

NO. OF PREMISES SPRAYED WITH D.D.T..... 119.
AMOUNT OF D.D.T. USED.....384 Gals.

CLIMATIC DATA.

LATITUDE : 26 degrees, 11 minutes South.
LONGITUDE: 28 degrees, 19 minutes East.
ALTITUDE : 5,400 feet.

	MEAN MAX	MEAN MIN.	ABSOLUTE MAX	ABSOLUTE MIN.	SUNSHINE HOURS PER DAY.	MEAN DAILY REL HUMIDITY	RAIN FALL	
							INS.	DAYS.
JULY	65.2	38.6	71.8	18.7	9.9	46	0.00	0
AUGUST.	67.8	40.4	79.0	30.2	10.5	43	0.00	0
SEPTEMBER.	77.4	51.2	83.7	34.2	10.1	42	0.05	2
OCTOBER.	78.6	53.5	88.0	44.9	9.3	55	1.71	9
NOVEMBER.	78.7	55.8	88.8	46.8	9.2	61	4.47	14
DECEMBER.	81.1	58.6	90.0	44.2	10.1	60	5.14	9
JANUARY.	80.1	59.2	88.0	52.8	8.9	68	5.56	14
FEBRUARY	80.1	59.4	86.8	55.1	8.9	68	4.94	14
MARCH.	75.8	55.4	83.0	47.9	8.5	67	4.88	12
APRIL	72.4	52.6	82.1	38.6	8.3	70	1.14	7
MAY	66.9	42.4	72.9	33.0	9.6	57	0.05	1
JUNE.	62.2	38.9	68.5	25.2	8.8	57	0.00	0

TOTAL RAINFALL FOR YEAR ENDED 30TH JUNE, 1947.....27.94 ins.