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Contributors

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TOWN COUNCIL OF BENONI

Annual Report

OF THE

MEDICAL OFFICER OF HEALTH

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

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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.

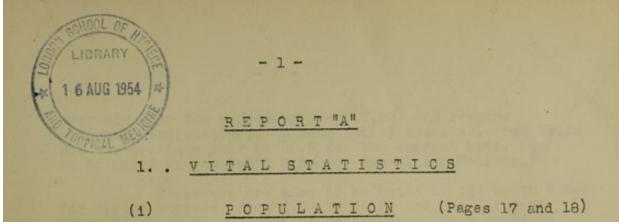
In conclusion I desire to record my grateful thanks to the staff for their loyal support and eager activity during a difficult transitory period.

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

S.V. ADLER

MEDICAL OFFICER OF HEALTH

A The second s



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

(11) B

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).

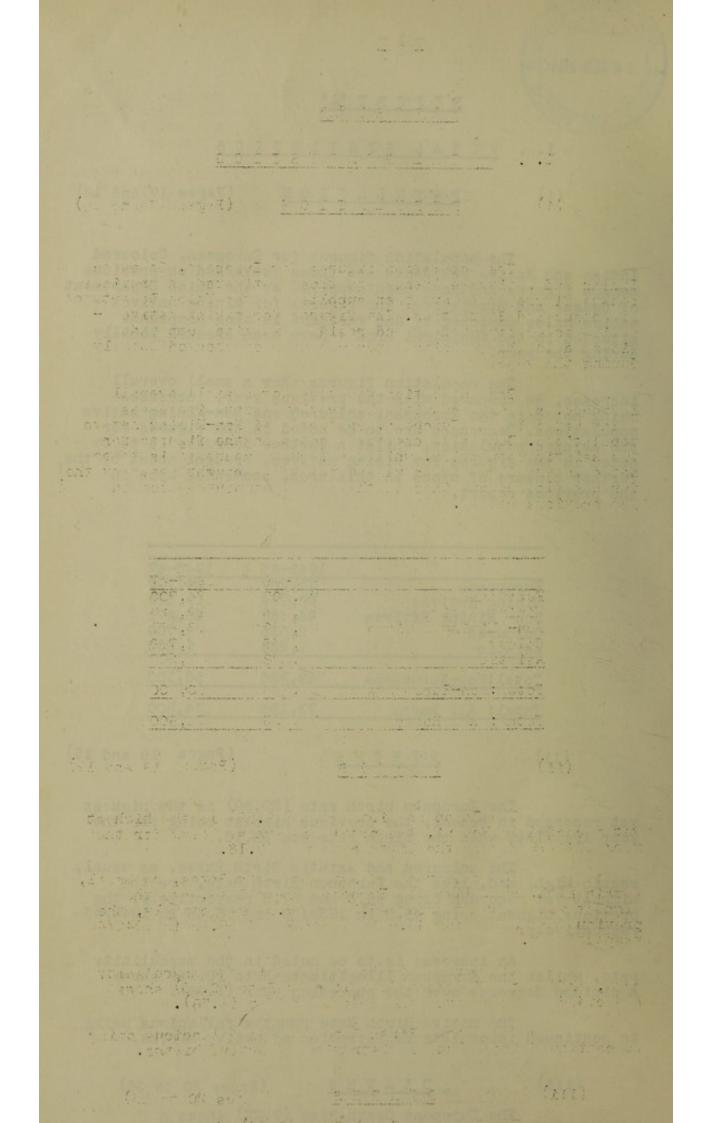
The native Birth Rate remains fallacious owing to continued incomplete registration of native births.

(111)

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.

E and the second of the second	945/46	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) TNFANTILE 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)

(1) 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).

(11) 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.

(111) WHOOPING COUGH (Page 37)

/ 172 notifications.....

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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 **Diphtheris** (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 shildren chiefly were immunised.

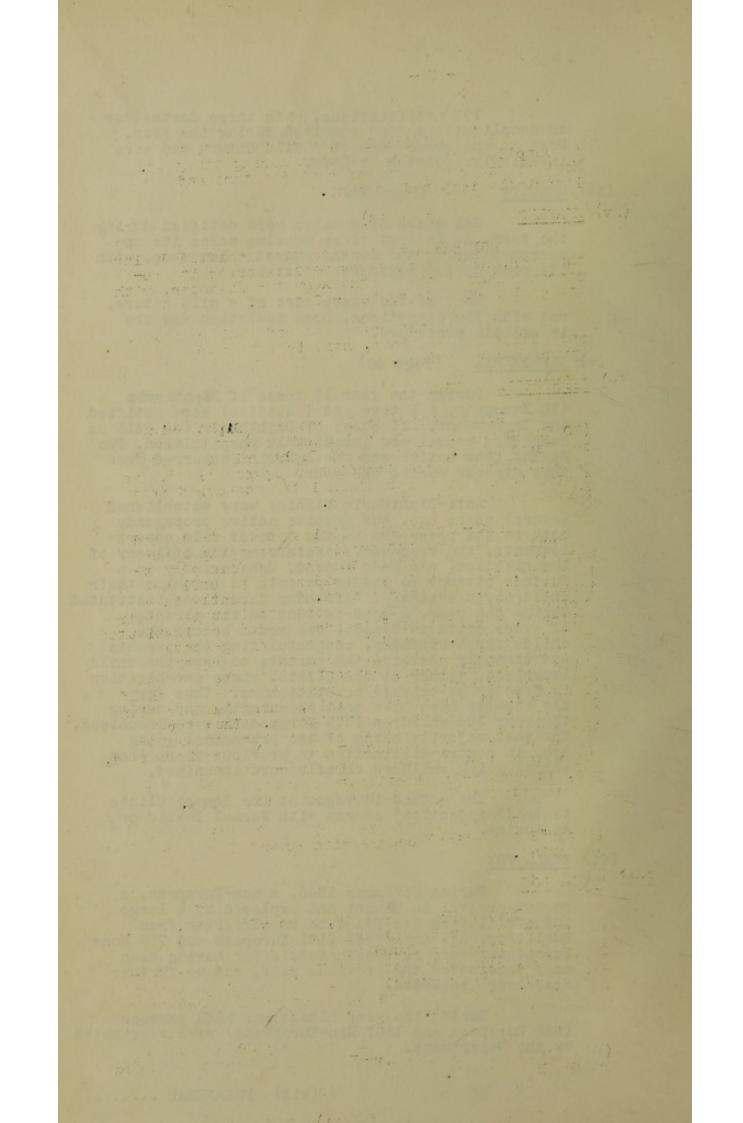
The method in vogue at the Benoni Clinic is the "3 injection" course with Formal Toxoid or Anatoxine.

(vi) SMALL POX

During November 1946, a non-European, a recent arrival in Bononi 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



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

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

- 4 -

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.

(x1) 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 pursuel, 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 invistigations shewed that it was localised to one dairy. This dairy, is a distributing dairy and draws its supplies from 7

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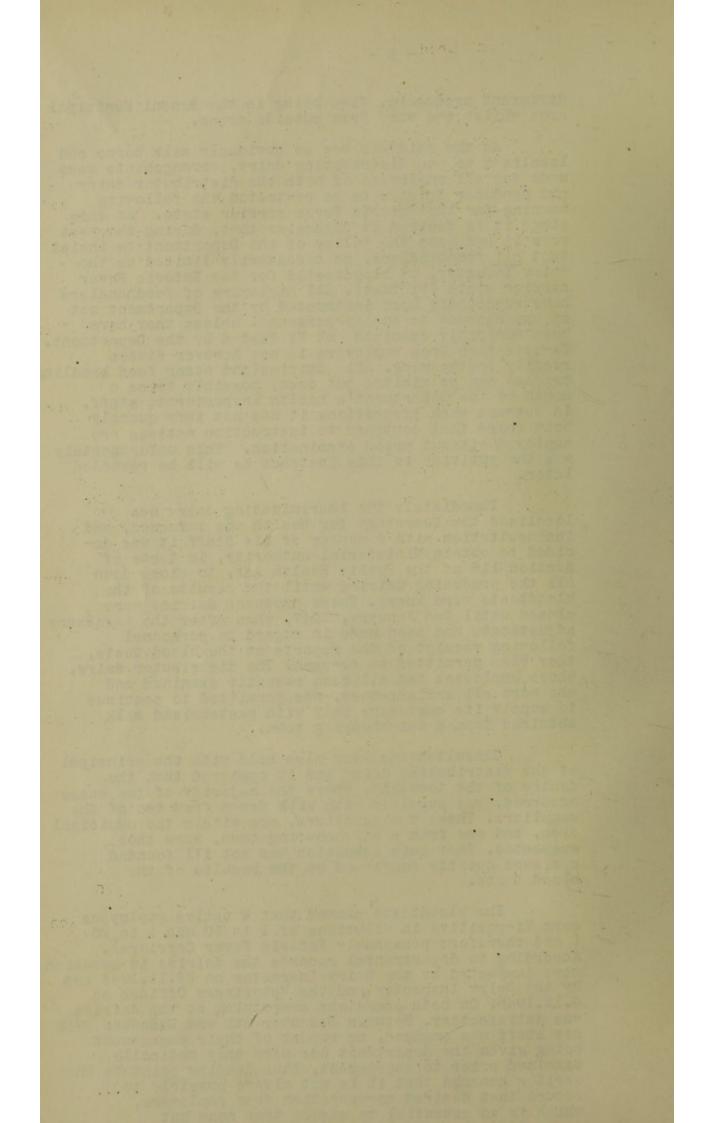
different producers, five being in the Benoni Municipal area whilst two were from outside areas.

As the opidamic 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 Interic 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 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 notives 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 carlier 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 pasteurisation of milk are the dairwmen 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 'set 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 aforomentioned diseases will forever hang like the sword of Democles 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 infocted 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.

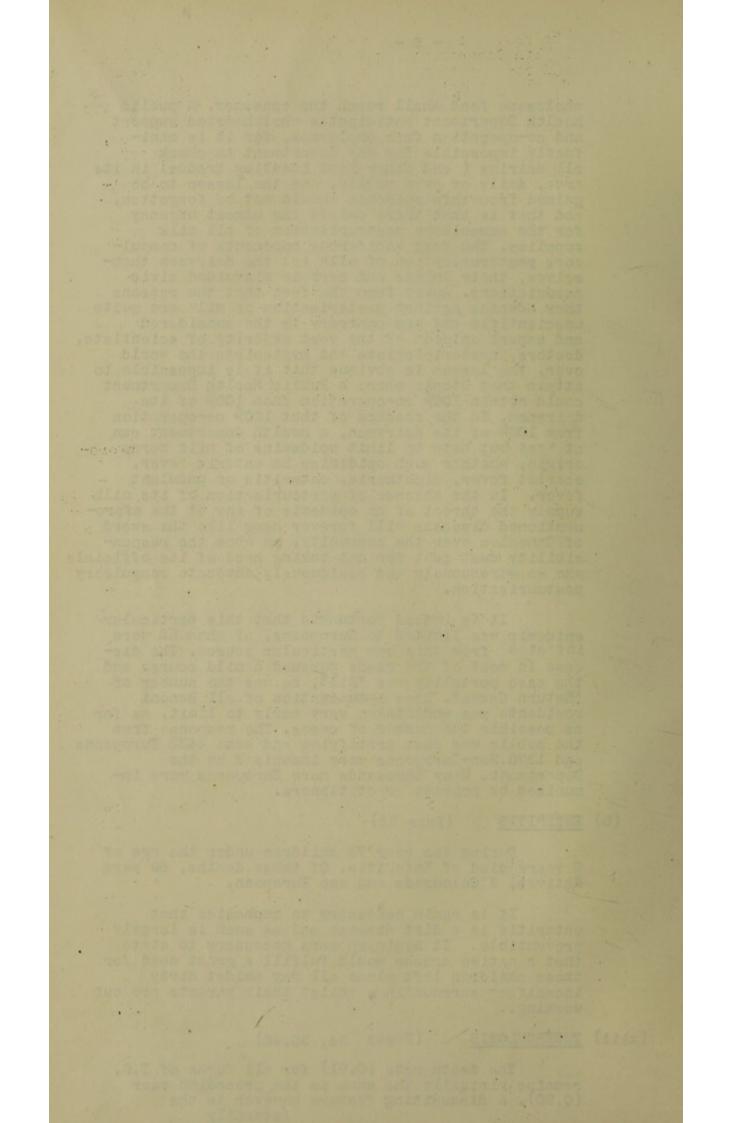
(b) ENTERITIS (Page 33)

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 disqueiting 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 insenitary, 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 the T.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. VENEREAL DISEASES (Pages 45, 46)

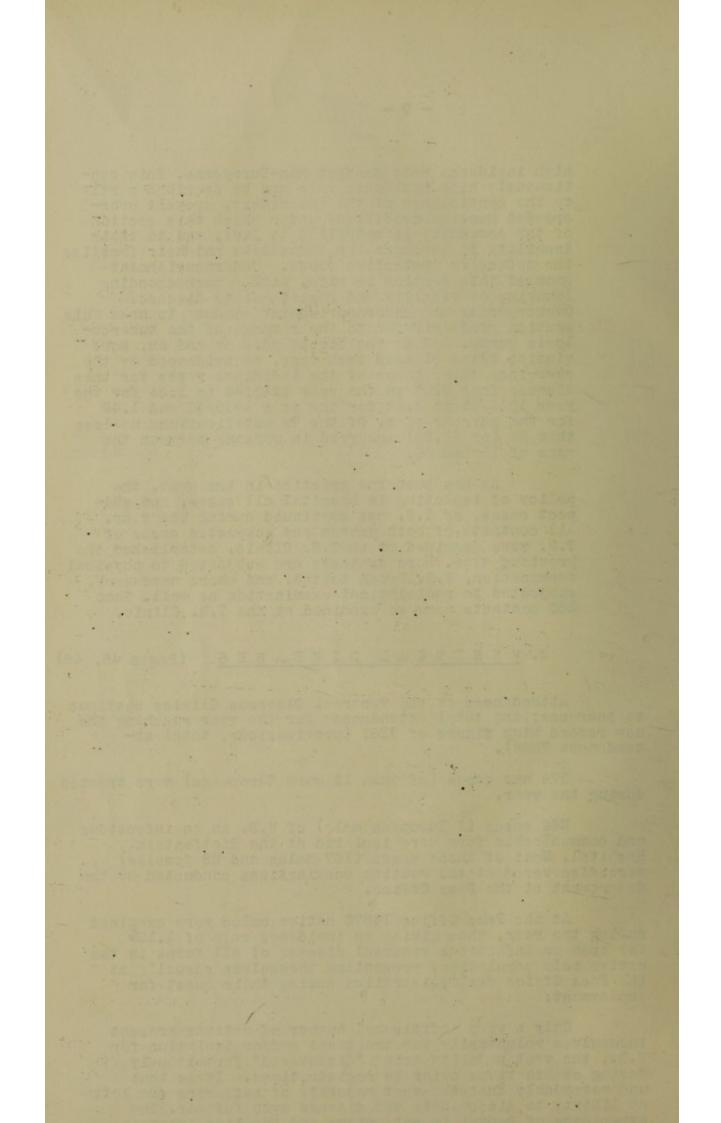
Attendances at the Venercal Diseases Clinics continue to increase; the total attendances for the year reaching the new record high figure of 9261 (previousyear, total attendances 7868).

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 casual, 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 vest majority being "discovered" fortuitously during examinations prior to registrations. It is thus understandable that the vest 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 compulsery medical exemination. By this means many more



infection, thus preventing further subjects from being infested needlessly.

- 8 -

4. MATERNAL ANDCHILD 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 notive sections. The native Ante-Natal Clinic is hold 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 CLIMICS

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.

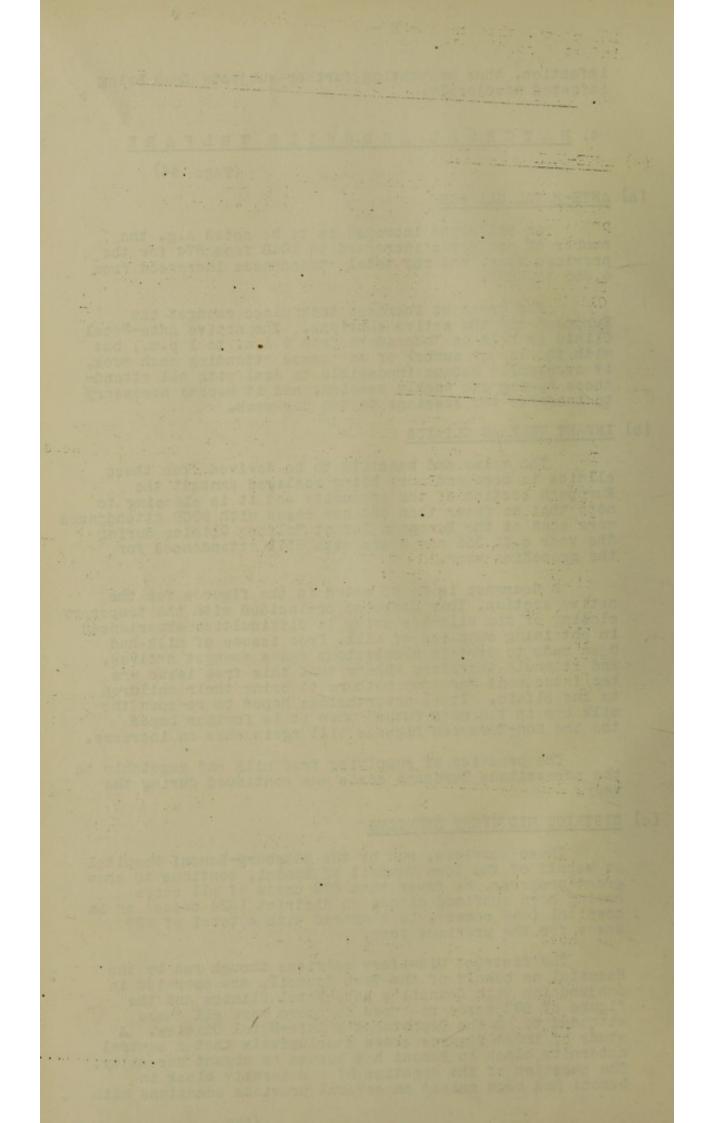
A decrease is to be noted in the figures for the native section. This decrease co-incided with the temporary closing of the milk-bar owing to difficulties experienced in obtaining supplies of milk. Free issues of milk had been made to certain necessitous cases amongst natives, and it would therefore 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 MIDUIFERY SERVICES

These services, run by the Boksburg-Benoni Hospital on behalf of the Town Council of Benoni, continue to shew 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 re ~red 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 crection of a m ternity block in Benoni has been raised on several previous occasions with



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.

FOODSTUFFS 5.

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 posi-tives are excluded from the foodhandling trade as far as possible.

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

(Pages 57 and 58) ABATTOIRS 6.

The set back, referred to in the previous report, and experienced by all reef abattoirs, was continued during the year. The number of enimals 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)

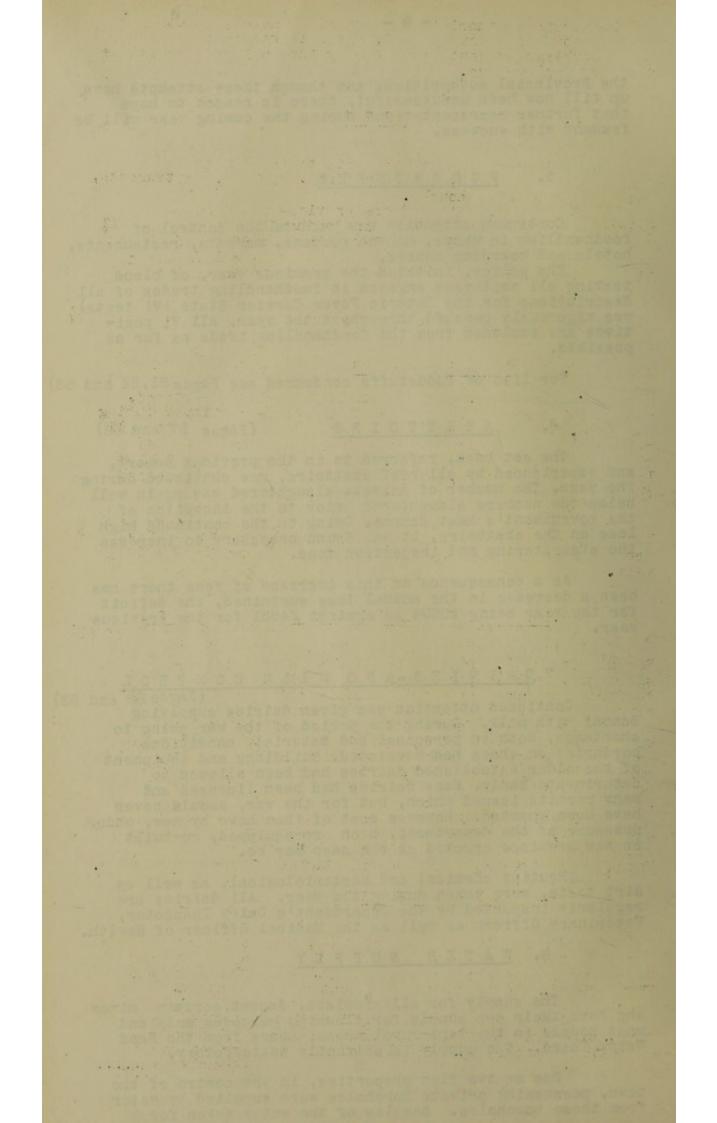
Continued attention was given dairies supplying Benoni with milk. During the period of the war owing to shortages, both in personnel and material, conditions bordering on chaos had developed. Buildings and equipment of the older established dairies had been allowed to deteriorate badly. Many dairies 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 borcholes were supplied by water from these borcholes. 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 RUFUSE 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 romaining areas being on a tri-weekly pail system, except in the areas of Westdone 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.

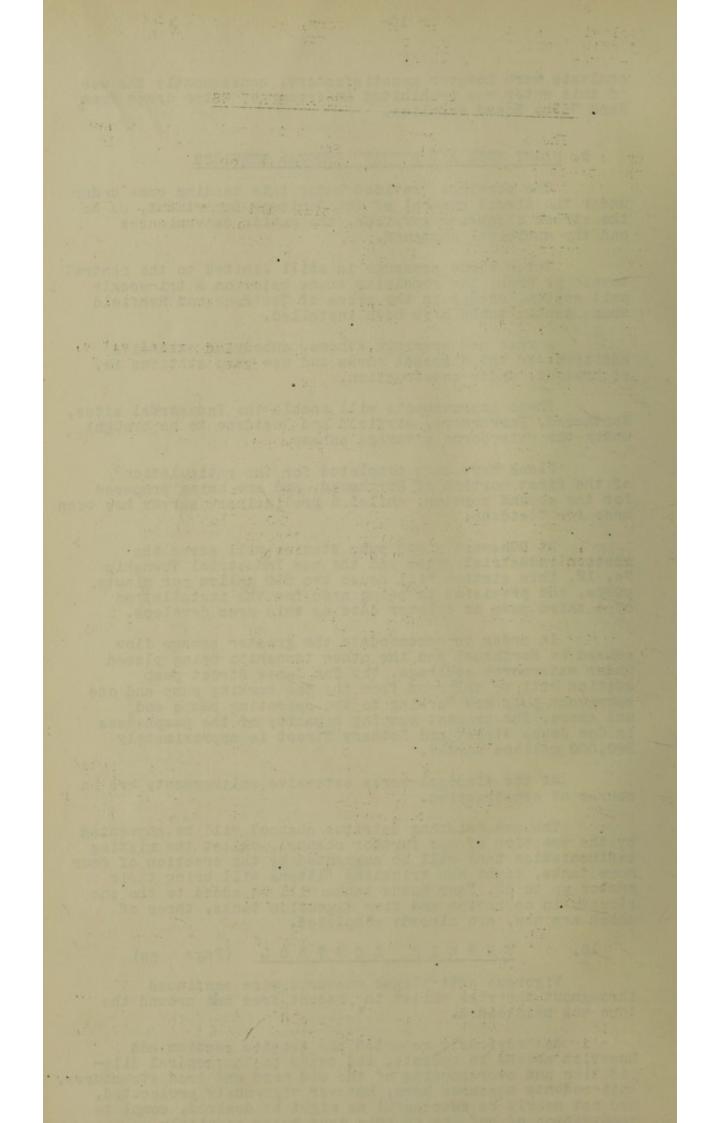
At the disposal works extensive enlargements are in course of construction.

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. VERMIN CONTROL (Page 59)

Vigorous anti-plague measures were continued throughout the year whilst the rodent free bet 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 TEMPORAPY 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, sup lying 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)

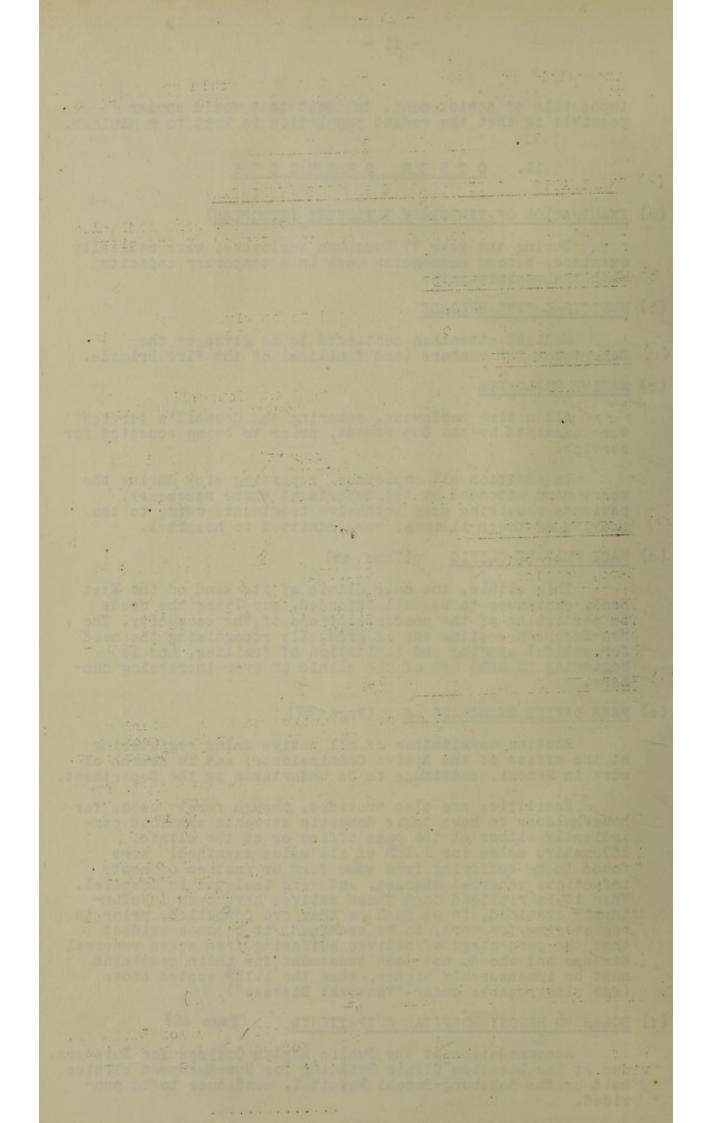
Routine examination of all native males registering at the office of the Native Commissioner, and in search of work in Benoni, continues to be undertaken by the Department.

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 venercal 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.

(R) 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 vet 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 howed 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.

STAFF

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

PUBLIC HEALTH DEPAPTMENT

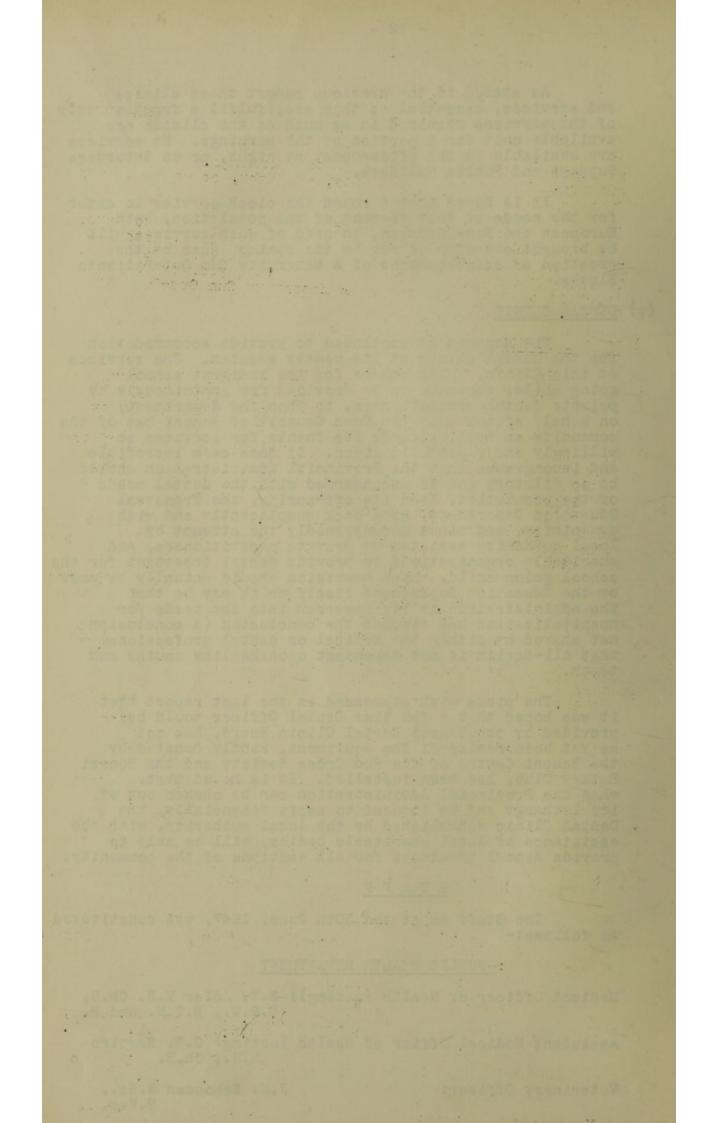
Medical Officer of Health (Acting): S.V. Adler M.B. Ch.B, D.P.H., D.T.M. and H.

Assistant Medical Offier of Health (Acting) C.B. Shapiro N.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. V.J. Bredenkamp P.D. Krog L.A. Folley Learner Health Inspectors: F.J. Taljaard Vermin Officer: 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). Mrs. F. Venter Miss. M. Smit Clerk: Typiste: ABATTOIRS. Abattoir Superintendent (Acting) : B.E. Eager R.S.I Meat and Other Food. J. Selby Meat Inspector: N. Arthur Abattoir Mechanics. : C. Everett. J.F. Brandt. By Products Attendant: J.J. Bekker A.J. Liebenberg. Abattoir Cleaners: SANITARY DEPARTMENT Sanitary Manager (Acting) and : C.R. Begley Compound Manager D.P. Van Ayl. Assistant Compound Manager:

- 13 -

Sanitary Overseers:

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

J.Jones W. Anderton

Farriers:

Wagon-Smith

G.E. Holland /Harness.....

Soal 7.8.1. Heat and Other Set 13 7.8.1 Meat and Other . rento han shell I.e.T Jarih - - -···2.8.8 TOPOLO - TANTOR . . 5. 1 ... Cecur 218.I. Dest and Other Food. : . SVOTO 5. 33 070VS ... • 11.17 . . . : . Sec. y makage . R.D . ALTERNY .S.O iemit. ., -10 22. Ferris and the states - 10 - 2

Harness - Repairer :

T.Mc Gheen

Public Conveniences : Attendants

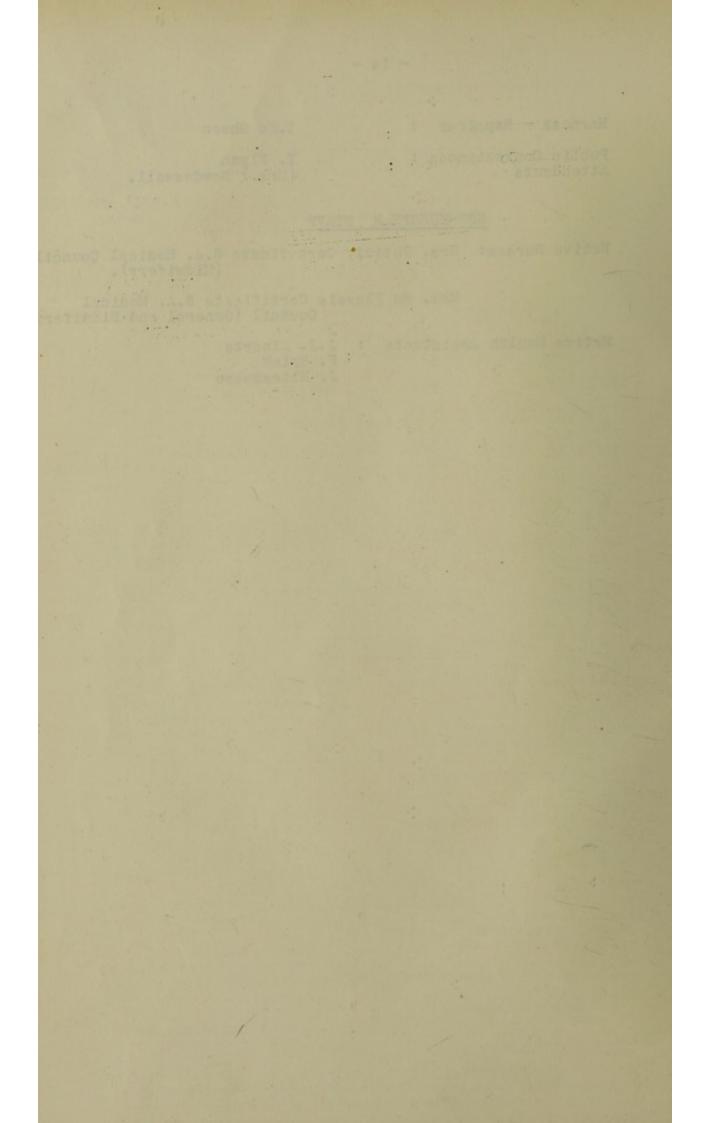
T. Flynn (Mrs.) Dowdeswell.

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"

- 15 -

UPON THE HOUSI G 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.

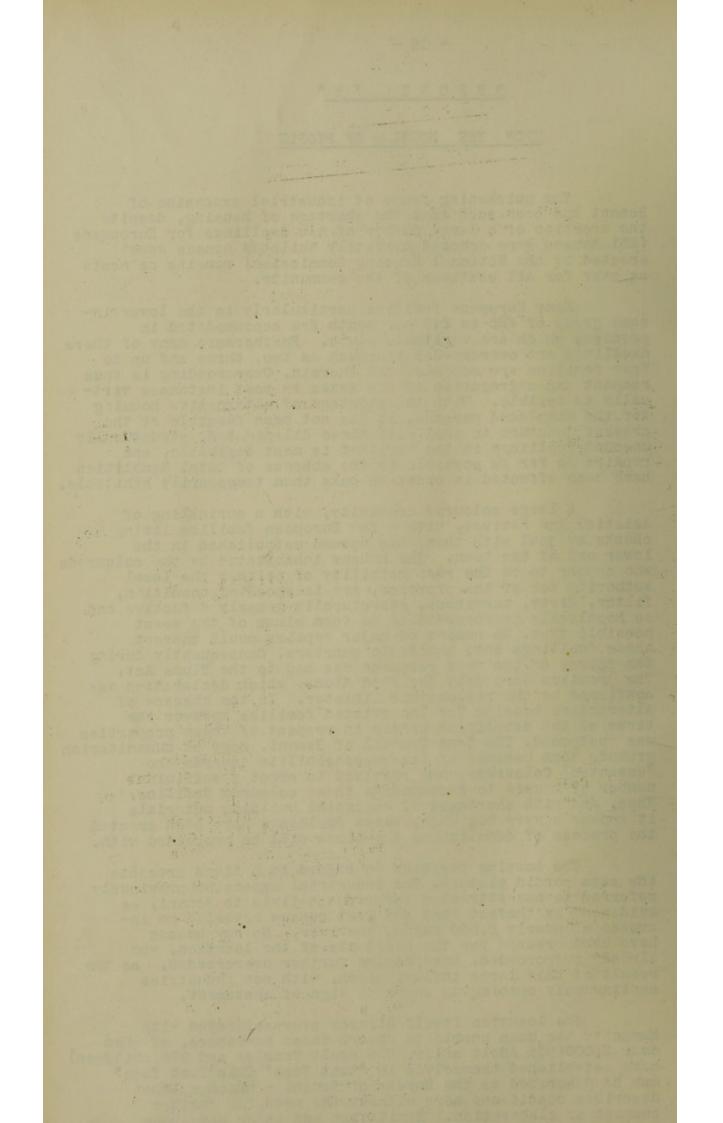
Many European families particularly in the lower income group of £25 to £40 per month are accommodated in premises which are veritable slums. Furthermore many of these dwellings are overcrowded inasmuch as two, three and up to four families are accommodated therein. Overcrowding is thus rampant and segregation 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 desirable, 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 vear 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 vary big when, these dwellings have been creeted the proceeds 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 rected 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. Semitation and water have been

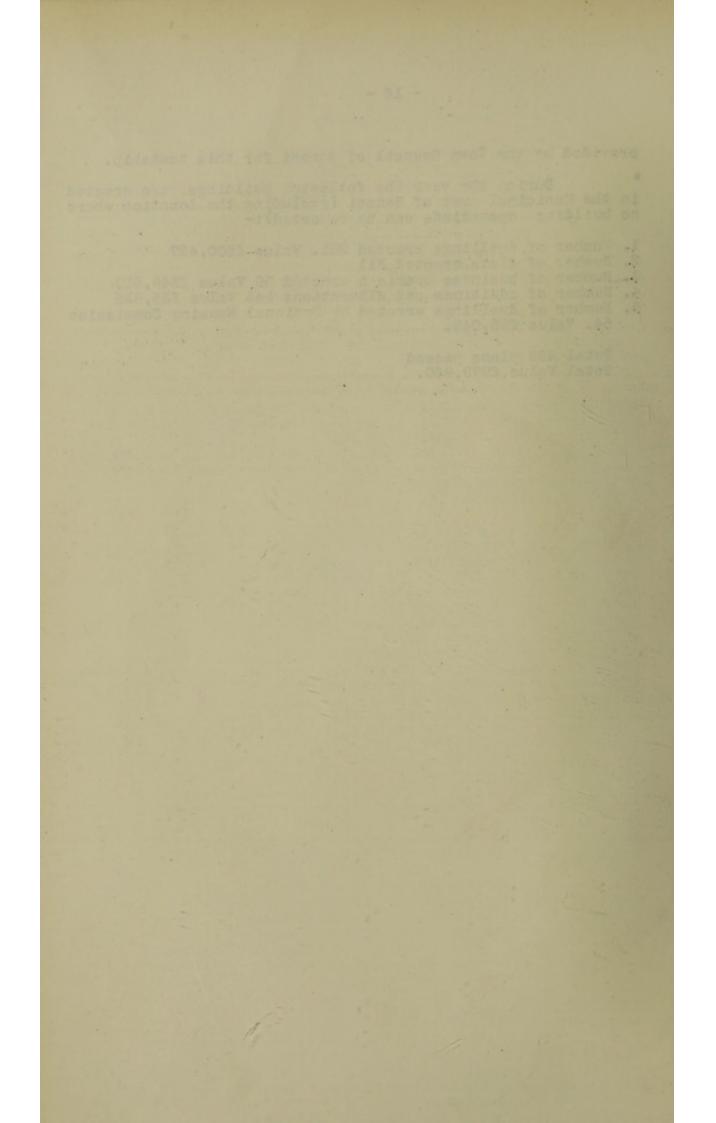
/provided



provided by the Town Council of Benoni for this township.

in the Hunic	ing the year the following buildings were erected ipal area of Benoni (excluding the location where operations can be reported):-
 Number of Number of Number of 	dwellings erected 251. Value £500,427 flats erected Nil business premises erected 50. Value £348,619 additions and alterations 143 Value £35,835 dwellings erected by National Housing Commission £95,049.

Total 498 plans passed Total Value £979,960.

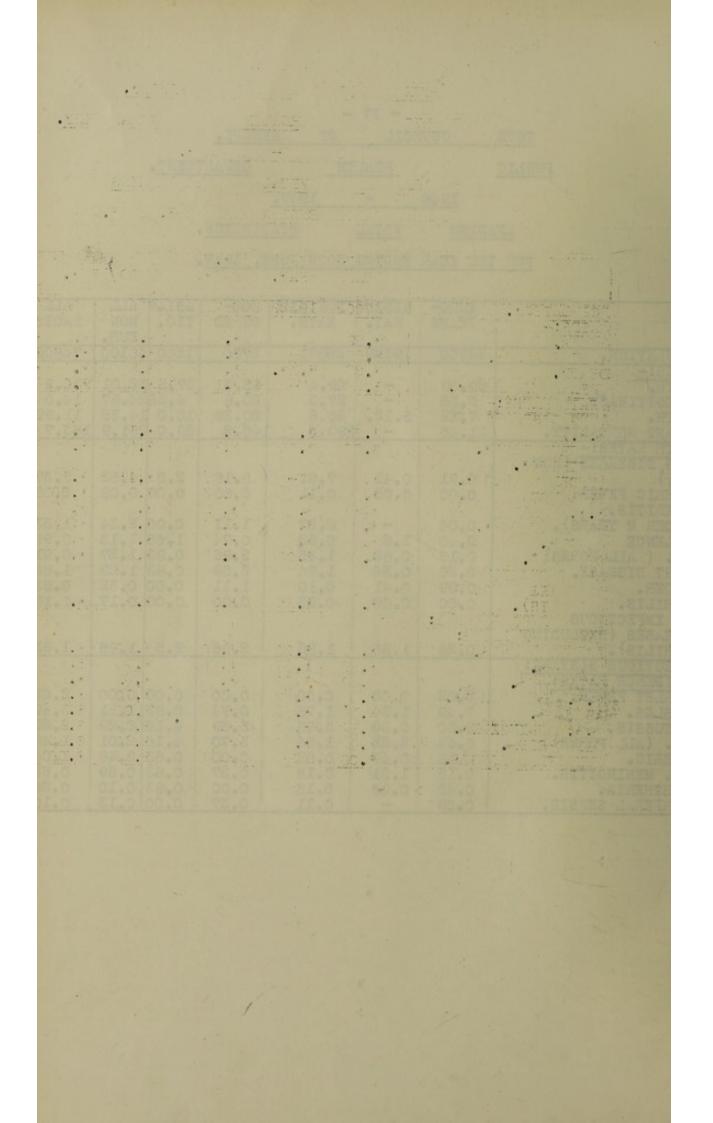


TOWN	N COUN	NCIL	OF	BE	NONI.
PUBLIC	2	HEAL	TH		DEPARTMENT
	1946	-	194	17.	
브	EADING	VITAL	1	STAT	ISTICS.

FOR THE YEAR ENDING 30TH JUNE, 1947.

	A CONTRACTOR				-	
and the second of the second o	EURO- PEANS	MINING NAT.	NON.MIN NATS.	COL- OURED	ASIA- AL TIC. NO EU	N RACES.
POPULATION.	24700	19329	26871	2700	1200 501	
RATES:-	1					
BIRTH.	29.59	-	29,4	43.3	57.5 32.	01 30.9
TLLEGITIMACY.	0.56	-	27.3	20.8	4.3624.	
DEATH.	7.22	5.12.	20.6	20.39	10.0 14.	
INFANT MORTALITY.	31.46		299,6	145.2	29.0 261	.9 163.7
DEATH RATES:-						
LUNG DISEASES (NON				1 .		
T.B.)	0.71	0.41	7.81	5.18		53 3.37
ENTERIC FEVER.	0.00	0.05	0,11	0.00	0,00 0,	08 0,05
ENTERITIS.					1	a. 3'77
(UNDER 2 YEARS).	0,04	-	2,57	1,11		34 1.33
VIOLENCE	0,40	1.6	0,93	0,74	1,66 1,	
T.B. (ALL FORMS)	0,16	0,82	1.45	2,96	0.83 1.	
HEART DISEASE.	0,26	0.36	1,74	2,59	0.83 1.	
CANCER.	0.99	0.41	0.10	1.11	0.00 0.	
SYPHILIS.	0.00	0.00	0.33	0.00	0.00 0.	TI 0.TO
ALL INFECTIOUS						
DISEASES (EXCLUDING	0.00		1 07	2.96	2.5 1.	86 1.33
SYPHILIS).	0.28	1.55	1.93	6.90	4.0 1.	00 1.00
INFECTIOUS DISEASE:		1	1			
INCIDENCE FATES:	2:02	0:00	0.00	0.00	0.00 0.	00 2:02
SCARLET FEVER.		1.34	1,75	0.74	0.83 1.	
MEASLES.	7.49 2.30	0.00	3.58	5.39	4.16 2.	
FERTUSSIS.	0.44	2.22	1.56	3.70	4.16 2.	
T.B. (ALL FORMS). ENTERIC.	2.18	0.47	0.52	0.00	0.83 0.	
C.S. MENINGITIS.	0,13	1.51	0.15	0.37	0.83 0.	
DIPHTHERIA.	0.40	0.00	0.15	0.00	0.83 0.	
FUERPERAL SEPSIS.	0.08		0.11	0.37	0.00 0.	
TOBUT DITTE DET DEC.	1.0.00			at an and a state of the		

17 -



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 	8	
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(As supplied by Director of Census).

POPULATION.

	MALE.	FEMALE.	T	OTAL.
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-EUROFEAN.	37,000	13,100	50,100	(48,986)

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

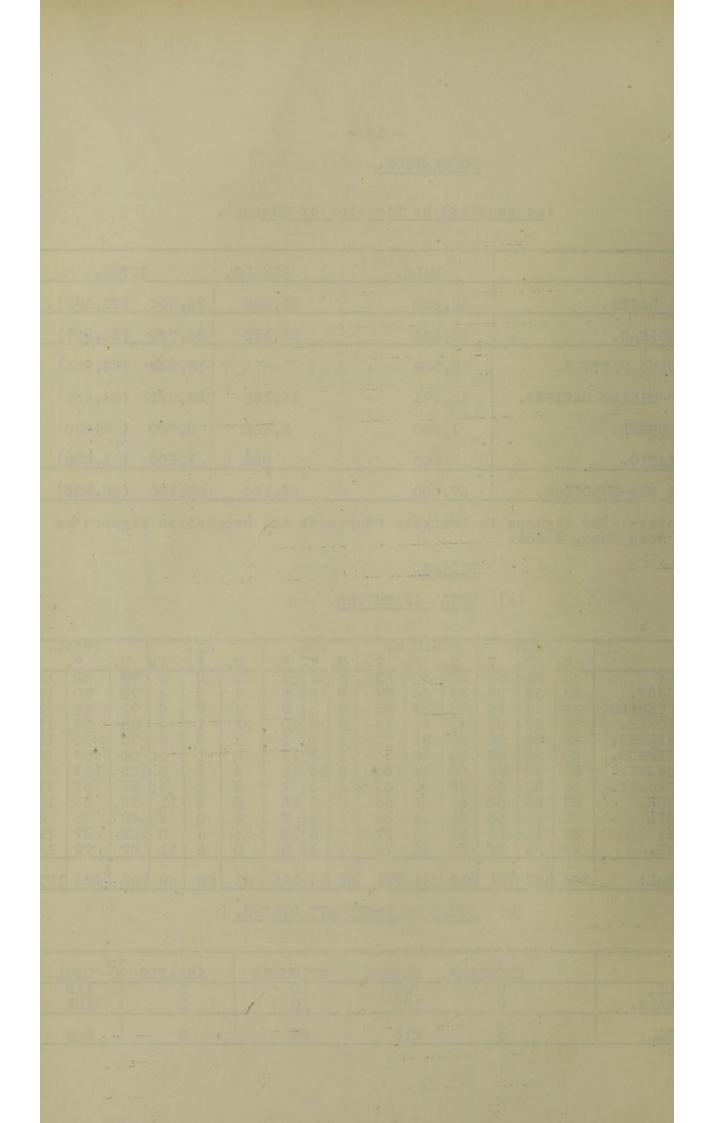
BIRTHS.

(a) TOTAL IN MONTHS.

		EUR		NO	N.M.	No	-	231	10		AS .			TOTA	Lo
	М.	101	T.	M.	F.	T.	M.	F.	m.	M.	Fe	Τ.		F.	T
JULY AUGUST. SEPTEMBER. OCTOBER. NOVEMBER. DECEMBER. JANUARY. FEBRUARY.	36 33 36 35 29 28 29 28 29 31	23 33 19 37 23 28 47 25	59 55 55 52 56 56 56 56 56 56 56	33 33 25 42 39 14 66 22	30 34 37 31 31 20 54 23	63 67 62 73 70 34 120 45	2051584	7:3354803	14 5 9 10 5 13 18 7	54455558	20212122	504645454	792 72 71 852 50 1059	62 70 61 74 60 57 113 53	141 142 132 159 132 107 219 112
MARCH, APRIL MAY. JUNE.	27 22 39 23	25 26 41 34	52 50 80 57	30 21 51 34	28 13 46 36	56 34 97 170	837 5	0403	16 7 13 8	1D Q 4 10	6046	11 2 8 11	72 45 101 67	63 45 97 79	155 93 198 146
TOTAL:	368	363	731	410	381	791	61	64	125	41	28	69	382	834	1716

(b) TOTAL ILLEGITIMATE BIRTHS.

MALE.	EUROPEAN 2	NATIVE 93	COLOURED	ASIATIC	TOTAL.
TOTAL:	2	123 216	26	.3	249



	- 10	0	
-		9	

(c) TOTAL BIRTHS IN DISTRICTS.

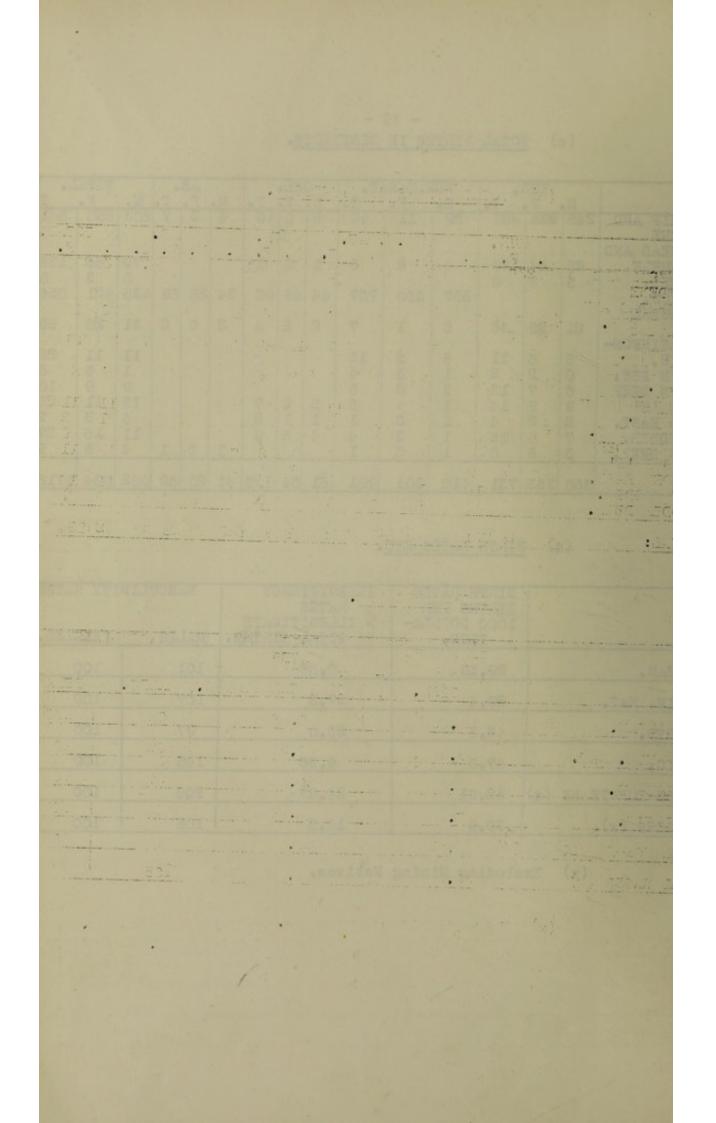
		EUF			.M.NA			OL.	_	м.	AS F.	•т.	м.	TOTA F.	L. T.
	M.	or other Designation of the local division o	T.	29	F.	T. 40	M.		13	41	3	7		258	541
NSHIP AND	245	236	481	20		10									
THMEAD AND					-	-	-	-	-				.70	66	136
ARMERE.	65		129	4	2	6	1	0	1				5	3	100
TIELD. ATION.	5	3	8	357	350	707	44	46	90	34	25	59	435	421	856
I RURAL	2	. 10		001								-		00	50
AS.	21	25	46	6	1	7	2	2	4	2	0	2	31	28	59
KLEINFON-	-			6	5	11							11	11	22
TEIN. RYN EST.	50	62	11 2	1	3	4							1	5	6
RYN EST. RYN DEEP	6	7	13	3	2	5			12		0	- 9	9	9	18
DER 'B'	9	5	14	1	4	5	5	2	7				15	11 3	26
DER EAST.	2	2	4	1	03	1 4	1 3	1 5	2	-			11	16	27
MODDER.	73	85	15	1	0	1	10	10	0	1	0	1	4	5	9
DER DEET.			1-0				1	1						0.04	2020
AL:	368	363	731	410	381	791	61	64	125	41	28	69	1882	834	1716

(d) BIRTH RATES ETC.

le cit	BIRTH RATES BIRTHS PER	ILLEGITIMACY RATES	MASCULI	NITY RATES
	1000 POFULA- TION.	% ILLEGITIMATE TO TOTAL BIRTHS.	MALES.	FEMALES.
ROFEAN.	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.



(a) TOTAL DEATHS IN MONTHS.

		EUH		MIN.	NO	N . M .	N	1.5.2	COL		1	nS.			TOTA	
	M.	F.		NAT.	M.	F.	T.	M.	F.	Τ.	M.	F.	т.	M.	F.	
The local day	4	3	17	9	27	30	57	0	3	3	0	0	0	40	36	76
T.	12	5	17	11	17	15	32	0	2	2	2	2	4	42	24	66
MBER.	12	8	20	7	22	17	39	1	3	4	0	1	1	42	29	71
ER.	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
BER	6	4	10	14	18	16	34	1	1	2	0	0	0	39	21	60
RY.	111	6	17	11	44	33	77	2	3	5	0	0	0	68	42	110
JARY.	7	6	13	2	20	14	34	1	1	2	2	0	2	32	21	58
I.	7	3	10	14	22	25	47	5	1	6	2	0	2	50	29	79
	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
	110	68	178	99	298	255	553	31	24	55	8	4	12	546	351	897

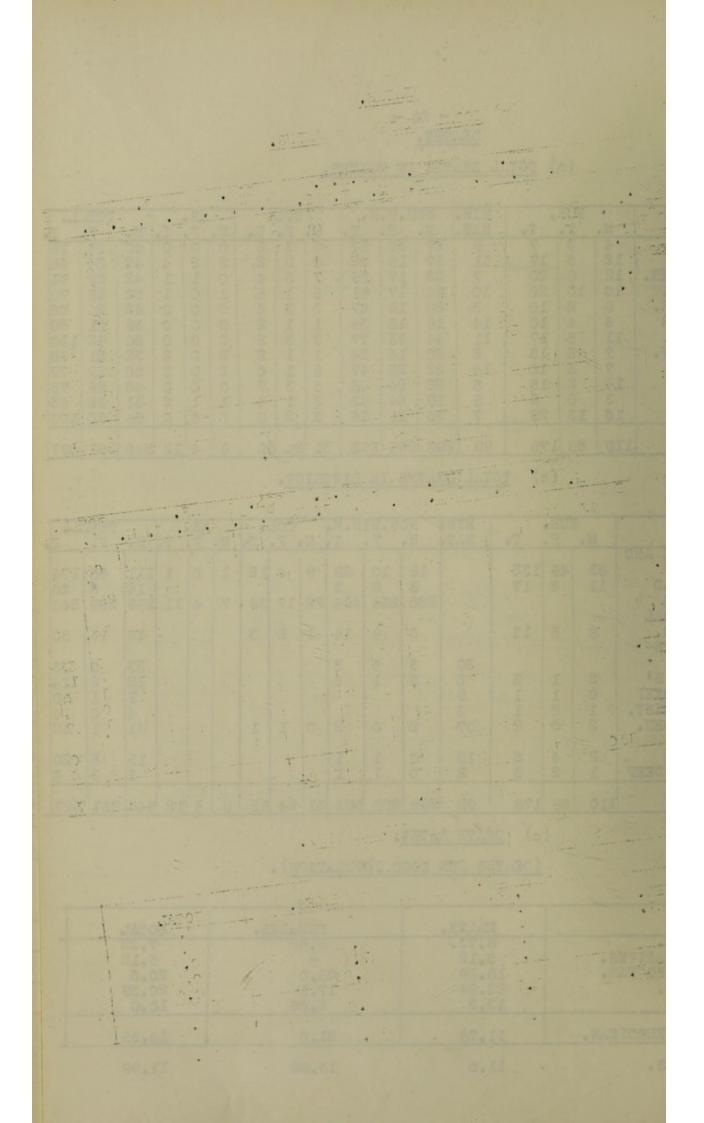
(b) TOTAL DEATHS IN DISTRICT.

	E	UR.		MINT	NO	N.MI	N.N.	-	COL	. 1		AS.			TOT	L.
1	М.	F.	T.	NAT.	M.	F.	Τ.	Μ.	F.	Τ.	M.	F.	Т.	M.	F.	Τ.
DENE AND SHIP HMEAD TICN RURAL	83 11	1	132 17		19 3 260	10 0 234	29 3 494	8 22	4	12 39	17	0 4	1 11	111 14 289	63 6 255	174 20 544
REAS.	8	5	13		6	8	14	1	2	3				15	15	30
EIN ER 'B' ER DEEP ER EAST.	201	110	311	30 5 9 3	35	01	36 2		1	-				33 12 9 4 41	02101	33 14 10 4 42
MODDER. RYN TES. RYN DEEP	2 2 1	42	2 6 3	37 13 2	2 00	0	111	0	T	1				15	4. 22.23	20
L:	110	68	178	99	298	255	553	31	24	55	8	4	12	546	351	897

(c) DEATH RATES.

(DEATHS FER 1000 POPULATION) .

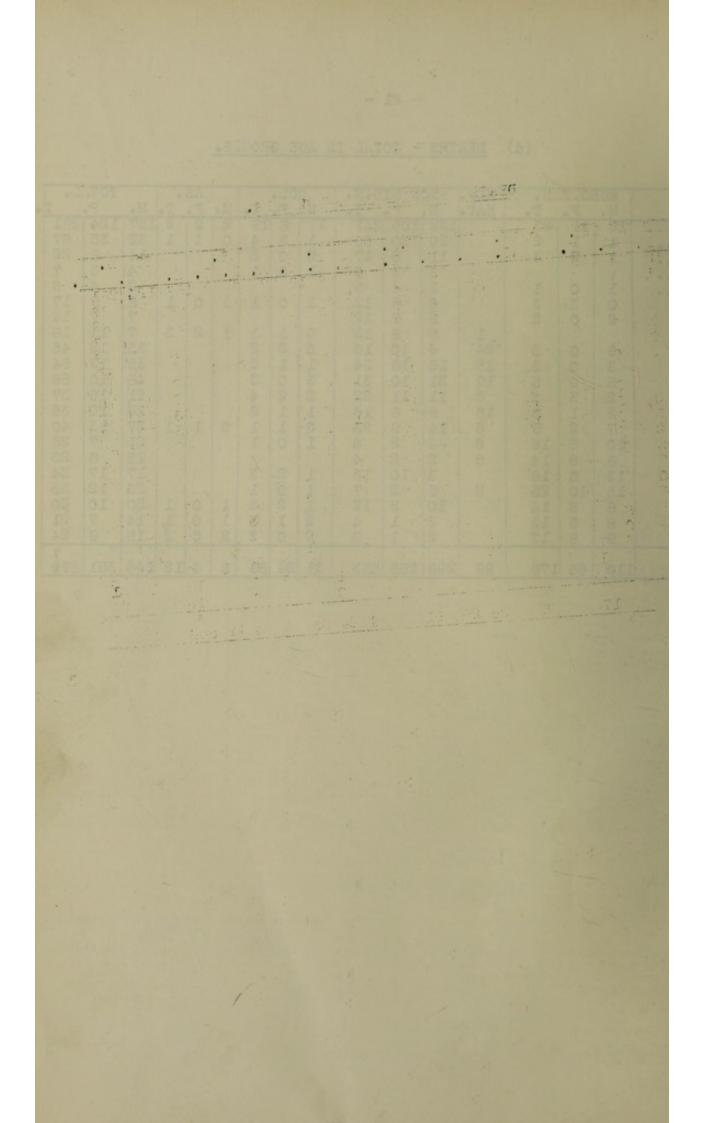
	MALES.	FEMALES.	TOTAL
PEAN. NG NATIVES. MINING NAT. URED. TIC.	8,73. 5,12 18,89 23.84 13,3	5,62 23.0 17.1 6,66	7,22 5,12 20,6 20.39 10,0
NON-EUROPEAN.	11,78	21,6	14,35
RACES .	11.0	13,92	11.99



- 21 -

															and the second	and the second
	EUF	ROTE	AN.	MIN.	NC	ON MI	N.N.	C	OL.			AS			TOT.	L.
E	M.	F.	т.	NAT.			т.	м.		Τ.	M.	F.	т.	Μ.	F.	, I
	12	11	23		132	105	237	11	8	19	2	0	2	157	124	281
	1	1	2	1	30	30	60	1	3	4	0	1	1	32	35	67
	1	2	3	1	11	6	17	2	0	2				14	83	22
	-	-	-	1	3	3	65	1	0	1			1	2	4	6
	10	03	1 3	1.5	6	4 6	12	1	0	1	1	0	1	8	9	17
	2	ő	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
1	5	0	5	19	21	10	31	32	02	3				48	10	58
	22	3	53	6	11 8	11 8	22 16	1	ĩ	42				26	10	36
	7	12	9	15	14	9	23	Ó	i	ĩ	0	1	1	27	13	40
1	10	5	15	6	4	2	6	1	ō	ī		-	-	21	7	28
	8	6	14	5	2	2	4							15	8	23
1	13	5	18	in the second	3	10	13	1	2	3				17	17	34
9	15	10	25	. 2	5	2	7	1	0	1			-	23	12	35
1.	8	6	14		10	2	12	1	2	3	1	0	1	20	10	30 21
2	8	5	13	1.	32	1	43	22	1	32	12	0	12	15	9	24
2.	9	8	17		6			~		~	-	-		10		7
	110	68	178	99	298	255	553	31	24	55	8	4	12	546	351	898

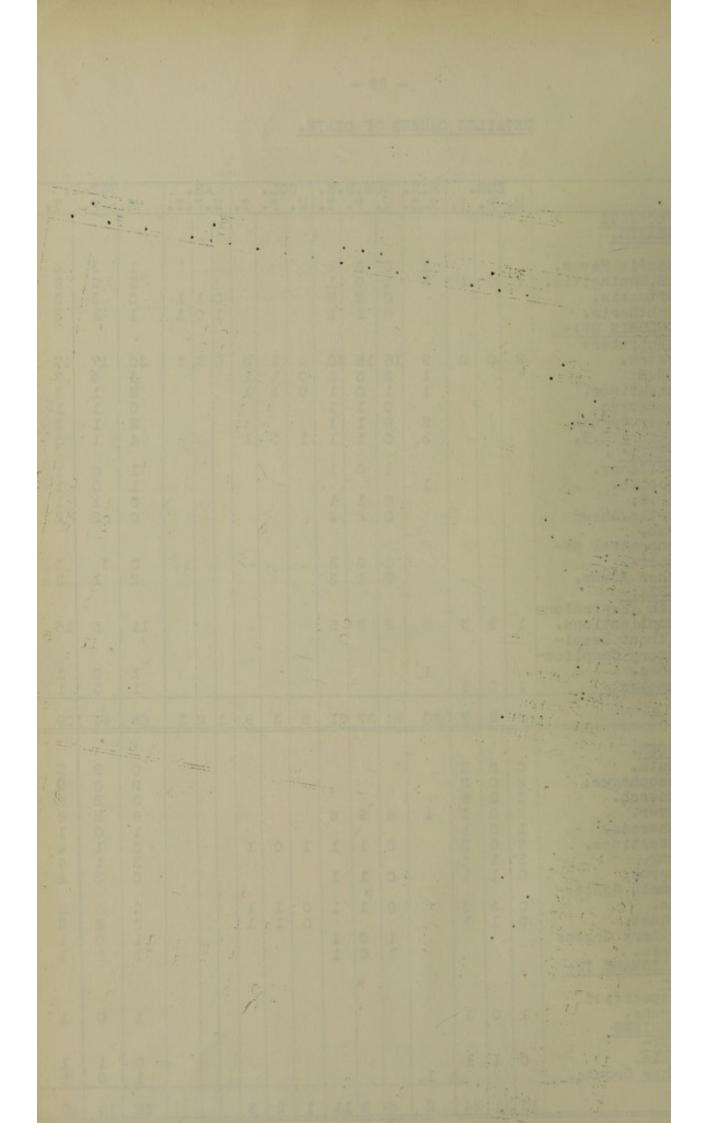
(d) DEATHS - TOTAL IN AGE GROUIS.



DETAILED CAUSES OF DEATH.

	1	JUR		MIN.	NO	N.M	.N.	CC	DL.	-	1	IS.	. 1		TOTAL	
	M.	F.	т.	NAT.						т.	Μ.	F.	.T.	М.	F.	т.
1. INFECTIOUS DISEASES,																
001 Enteric Fever. 008 C.S.Meningitis. 011 Fertussis. 012 Diphtheria. TUBERCULOSIS OF:-	1	0	1	1 3	0100	3021	3121				01	10	1	1501	3 0 3 1	4532
015 Respiratory System. 016 C.N.S. 017 Intestines. 018 Vertebrae. 021 Other Organs. 024 Miliary T.B.	2	0	2	9 1 2 3	1521000	1530111	3051111	400	111	511	0	1	l	30 3 2 0 2 4	17 4 1 1 1	4773135
DYSENTERY:- 052 Bacillary. 033 Amoebic.			2	1	1	0	1							1	00	1 1 2
041 G.F.I. 042 Aortic.Aneu- rysm.	0				00	12	12							00	12	12
043 Congenital Sy- philis. 044 Other Forms. INFLUENZA:-					02	31	33							02	3 1	33
048 With Respiratory Complications. 049 Without Respi-	ı	2	3	8	2	3	5							11	5	16
ratory Complica- tions. 052 Measles,	1	0	1	1										1	00	1
TOTAL:	5	2	7	30	24	37	61	5	3	8	1	2	3	65	44	09
II CANCER: 100 Mouth. 101 Oesophagus. 102 Stomach. 104 Liver, 105 Fancreas. 106 Intestines. 109 Lung. 110 Uterus.	02211230	20200011	22511241	1	4 0 0	2 1 1	6 1 1	1	0	1				02200000000	NONNOHIN	22581442
111 Female Genita- lia. 112 Breast. 115 Urinary Organs 117 Brain. NON MALIGNANT TU- HOURS:-	00	31	31		011	1 00	1 1 1	00	1	1				0011	5200	5211
13. Unspecified Organs. UNDETERMINED TUMOUNS:-	1	0	1											ı	0	1
135 Brain. 136 Other Organs.	0	1	1	1						-		-		0	10	1
TOTAL:	13	11	24	2	6	5	11	1	2	3				22	18	40

- 22 -

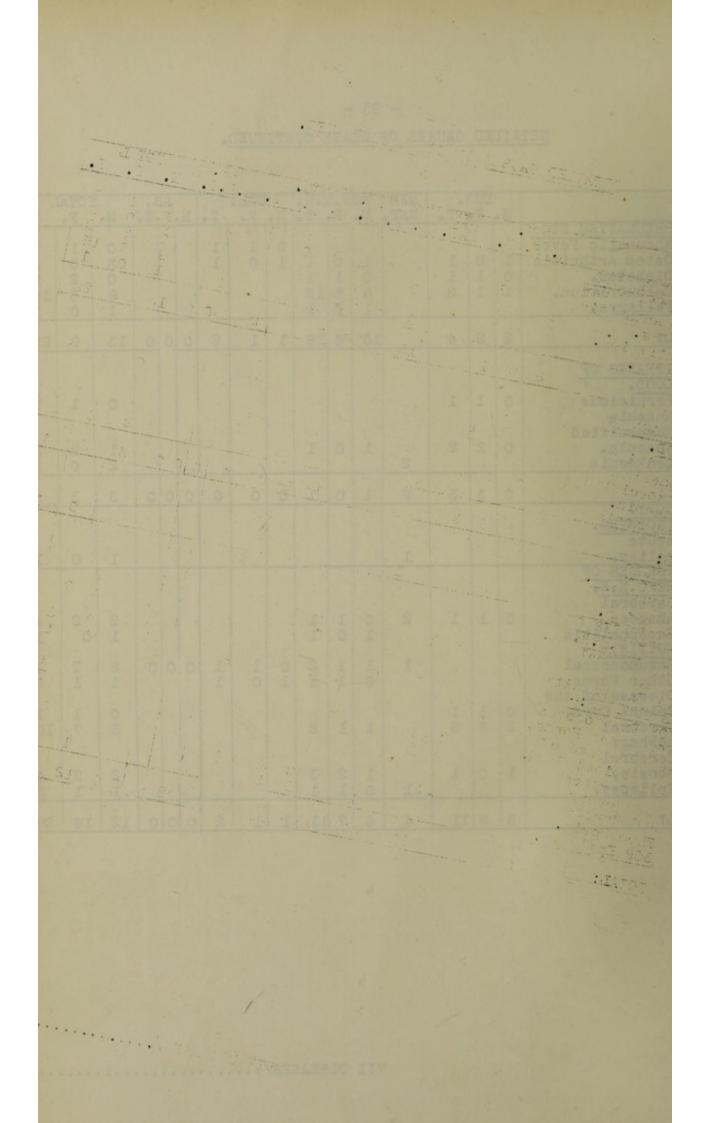


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DETAILED CAUSES OF DEATH CONTINUED.

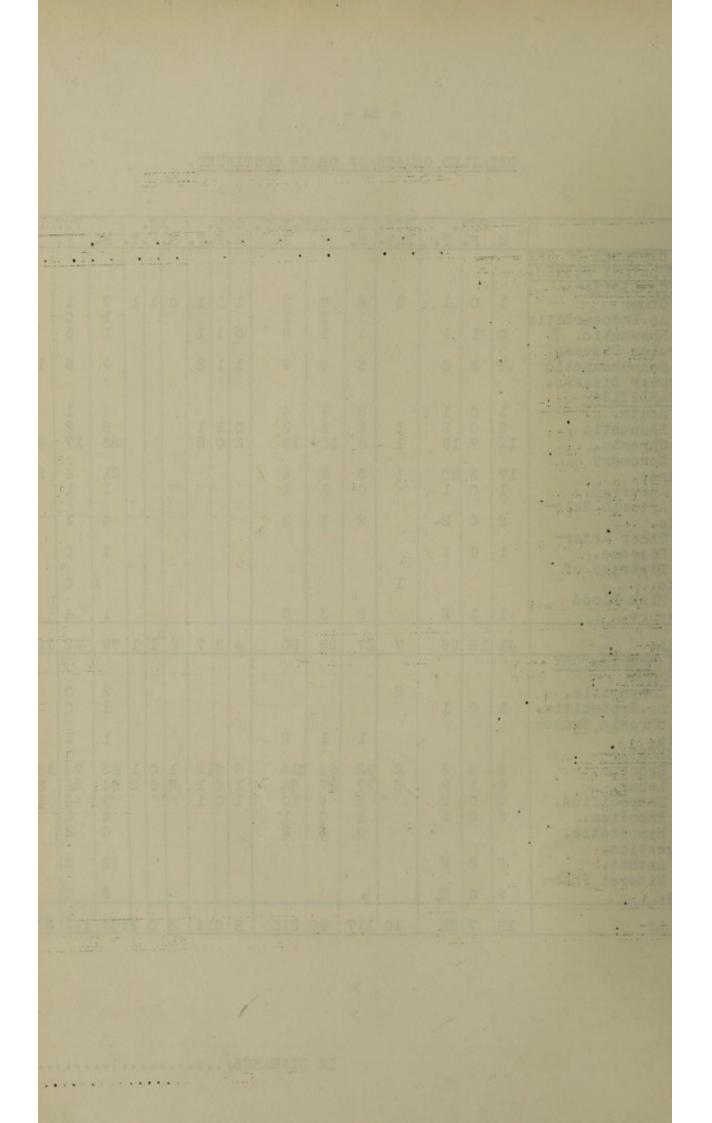
		EUF		MIN NAT.	NO	N.N	.N.		COL.		1.	AS			TOTAL	and the second se
TII RHEUMATISM ETC	III .	F .	T.	WAT.	111.	F .	1.	M	F.	т.	III .	1	T .	M.	F.	T.
149 Rheumatic Fever							1	0	1	1	1		1	0	11	1
150 Oste o Arthritis	1	0	1		1	0	-1	0	ō	i				3	Ō	3
152 Diabetes.	õ	01	1		õ	1	ī	-	Ŭ	-				ŏ	2	2
163 Malnutrition.	ĩ	ī	2		8	5	13							9	6	15
168 Pellagra.					1	0	1			- 13				1	0	1
	-	0						-	-	0						
TOTAL:	2	2	4	-	10	6	16	1	1	2	0	10	0	13	9	22
IV DISEASES OF BLOOD.	0		-													
203 Pernicious Anaemia	0	1	1											0	1	1
206 Unspecified Anaemia.	0	2	2		1	0	1	6		10.5				1	2	3
207 Leukaemia	0	~	~	2	-	0	-			8				2	õ	2
LOT DEURACIATA		-		~				-			-	-		~		~
TOTAL:	0	3	3	2	1	0	1	0	0	0	0	0	0	3	3	6
V CHRONIC				No. Comercia	1			1							Long and	
POISOINING.					1.14											
250 Acute														_		_
Alcoholism.	1.100			1	1						-	-	-	1	0	1
VL DISEASES OF THE C.N.S. 300 Cerebral															0	-
Abscess	0	1	1	2	0	10	1	1						2	2	4
301 Encephalitis					1	0	11	1.0		-			1	1	0	1
MENINGITIS:-				-	-	-	0	-	1.	1	1	-	0	2	0	
302 Pneumococcal				1	1	1	2	01	10	1	0	0	0	1	2	4
303 Other Forms.					0	T	1	T	0	T		1		1	T	~
304 Disease of the		-	-		1					1				0	1	1
Spinal Cord.	02	16	1 8		1	1	2	1		1 17				3	7	10
305 Cerebral	2	0	8		T	T	2	120-						0		
Haemmorhage 306 Cerebral												1				
Thrombosis.	1	0	1	1 12	1	2	3	10	1 2 3					2	2	4
309 Epilepsy.		-		1	ō	11	11	1	1 all			1		1	1	2
The second s					-	1			1						-	00
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					N.NAT.		DL.			s.			TOT	
	М.	F.	Τ.	NAT.	M.	. F.	Τ.	M	. 2	т.	M.	2	T.	M .	F.	T .
VII DISEASES OF THE			-	1 . 1		1										
CIRCULATORY SYSTEM.																-
PERICARDITIS:-	1	0	1	3	2	0	2	1	0	1	0	1	1	7	1	8
351 Other	1	0	1	0	ĩ	ő	ĩ	-	0	-	0	+	+	i	0	ì
352 Ac.Endocarditis	0	1	1		il	ĩ	12	0	11	1				i	3	4
353 Rheumatic. "	0	+	1		-	+	2	1	1-	-				-	0	-
Valvular Disease, 354 Non-Rheumatic	3	3	6		5	4	9	1	11	2				9	8	17
	0	0	0	1000	10	-	-	-	-	~				-	0	
Valvular Disease. MYOCARDITIS:-				1.0												3
355 Acute.	1	0	1		3	1	4							4	1	5
356 Rheumatic	0	0	12	1	2	î	3	0	17	1				5	2	7
357 Chronic.	12		19	1	8	10	18	2	10	2				23	17	40
358 Coronary	12	1		-					1							
Disease.	17	3	20	11	3	1	4	1						21	4	25
361 Aneurysm.	i	0	ĩ	-	0	Ĩ	1							1	1	2
362 Arterio Scle-	-		1	1 10												12
rosis.	2	0	2	-	2	1	3				-			4	1	5
364 Other Arter-	~		-			-										
ial Disease.	1	0	1											1	0	1
365 Diseases of	-		1			1			1							-
Veins.				1			1.1.1.1							1	0	1
367 High Blood			1.0			1										
Pressure.	1	1	2		0	3	3	1		1000	1			1	4	5
						123.03	Test to the loss			aboy!	Cop.			Carlos I.	100	
TOTAL:	41	15	56	7	27	23	50	4	3	7	C	1	1	79	42	121
VIII RESPIRATORY			1			-				1						
DISEASE:			-						1					0	-	0
401 Laryngitis.		2	19	2		12		1	12					2	0	2
402 Ac. Bronchitis.	1	0	1			1								1	0	1
403 Chronic Bronc-						1								-	1	2
hitis.					1	1	2							1	1	6
PNEUMONIA:-				-	-		-70	10	10	10	1 7	-	-	83	74	157
404 Broncho.	2	4	6	2	72		136	6		12	12	0	12	54	28	82
405 Lobar.	8	11	9	6	37	27	64	11	0	1	2	0	2	9	4	13
406 Unspecified.	2	0	2	-	6	4	10	11	10	T				4	0	4
409 Embolism.	3	0	3	1	1	02	12							Č	2	2
410 Hypostatic.		1	1 -		0	2	6				5.5			0	~	~
Congestion.		0	0											0	2	2
411 Asthma.	0	2	2								1			-	2	
413 Miners' Phth-	~		0						-					2	0	2
1818.	2	0	2			-		-	-	-	-		-	~		
TOT T	2.0	-	OF	1 20	1770	00	215	0	6	14	3	d	3	156	111	267
TOTAL:	18	7	25	1 10	117	98	610	0	10	7.7	9	-4	4	200	the star and [



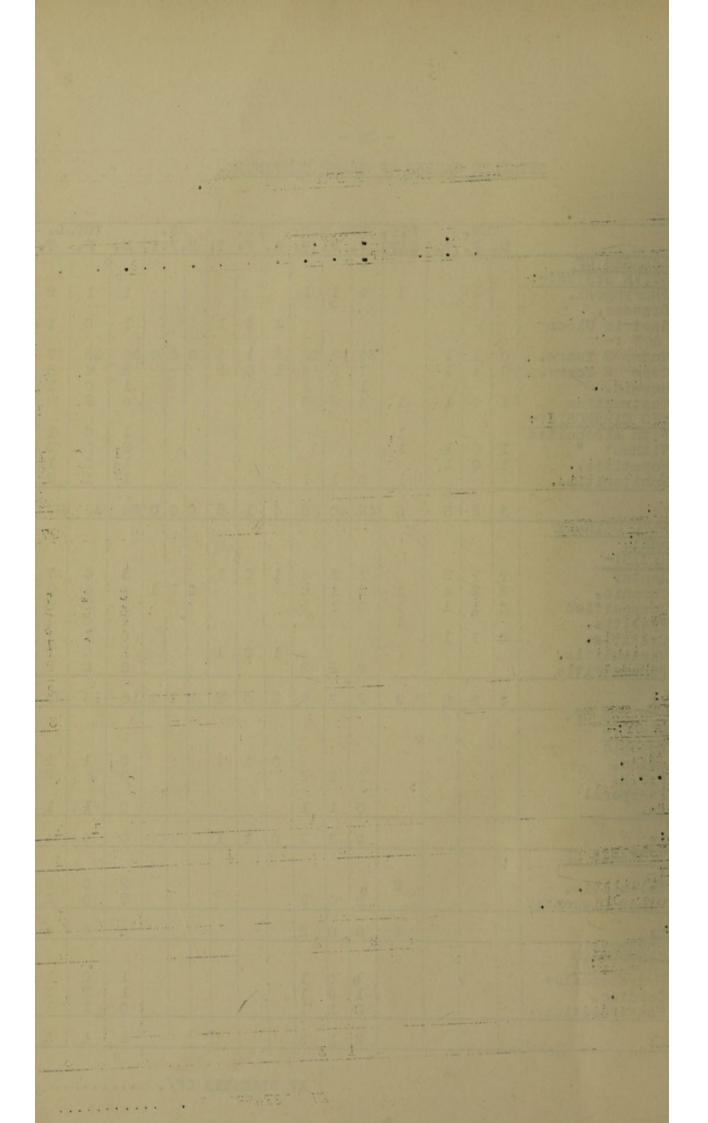
- 25 -

DETAILED CAUSES OF DEATH CONTINUED.

and the second second	-		Rent						-			-			-	
		UR.	-	MAN			I.N.		OL.		_	IS.		15	TOT/ F.	T.
IX DISEASES OF	m.	r .	T.	DATE	n.			201.0	E .		-		-			
DIGESTIVE SYSTEM! -	-										1					
452 Pharyngeal.				1	0	1	1	1		-				1	1	2
Disease.				-	1					-						-
455 Gastric Ulcer					2			1	0	1			2	1	0	r
D & V :-				and the second second			Ser. 1									
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	172.	1	3	4	1	0	1				2	4	6
462 Hernia.	-	-	-	-	1	02	1							1 6	02	1 8
463 Obstruction	1	0	1	1	4	2	6			2				0	2	8
HEPATIC CIRRHOSIS:-		100 2		7		1								1	0	7
466 With Alcoholism 467 Without	1	0	1	1					1					2	ŏ	12
	1	0	1	-				113					-	ĩ	ŏ	ĩ
469 Hepatitis. 473 Peritonitis.	+	-	-	1	0	1	1	12.1						ī	ï	1 2
THE FEFT CONTOLES.	-		-				-	-	Constant of	1				-		States of
TOTAL:	3	2	5	5	42	40	82	4	1	5	0	0	0	54	43	97
X GENITO URINARY																
DISEASE:_	1		1.													
NEPHRITIS:-			1	19.												
500 Acute.	12	12	2		11	311	421	1	0	1	-	-	-	3	.4	7
501 Chronic.	2	2	4	1	11	1	2				0	1	1	4	42	8
502 Unspecified	0	1	1	1	0	1	T							1	Ő	2
503 Pyelitis.		-	-	1-1									-	0	i	1 1
506 Cystitis.	0	1	1			3		1	0	1				11	Ó	1
507 Vesiculitis.					0	2	2	1	0	+		-		Ó	2	83112
512 Parametritis		-			1	~	~	-			-					
TOTAL:	3	5	8	3	2	7	9	2	0	2	Q	1	1	10	13	23
XI DISEASES OF				1												1000
PREGNANCY:-						10 1										
554 Ectopic				1.1.1		0 6	1.	-	-	-				0	1 7	1 7
Gestation.					10	2	2	0	1	1				0	12	1 2
566 P.P.H.			1		0	2	2							10	1~	~
567 Puerperal			1	1	0	11	1							0	11	11
Sepsis.	-	-	-		10	-	-	-	-		-	-	-			
TOTAL:			1 million		0	3	3	0	1	1		-		0	4	4
XII DISEASES OF	-			1		-										
SKIN:-			1	1	1				-		1			0	-	0
601 Cellulitis.				2	1	-	0							22	0	22
602 Other Diseases.		la contra		100	2	0	2				-	-	-	R	0	R
			-	2	2	0	2							4	0	4
TOTAL:		2000	-	2	- P		~			-	-	-		-		10000
XIV CONGENITAL MALFORMATIONS:				A COLOR	-	-		Carling .	-					1 and		
700 Hydrocephalus				10000	1	0	2				1			1	0	11
702 Cardiac.				1	11	00	1							11	0	1 1
703 Monstrosities	100				ō	1	1			Sal-1			1.100	0	1	1
100 1013010810108		-	-	10000												
TOTAL:	-			1	2	1	3		1					2	11	3
and the second se	-	-		and the second second					-	-					-	

XV DISEASES OF/.....

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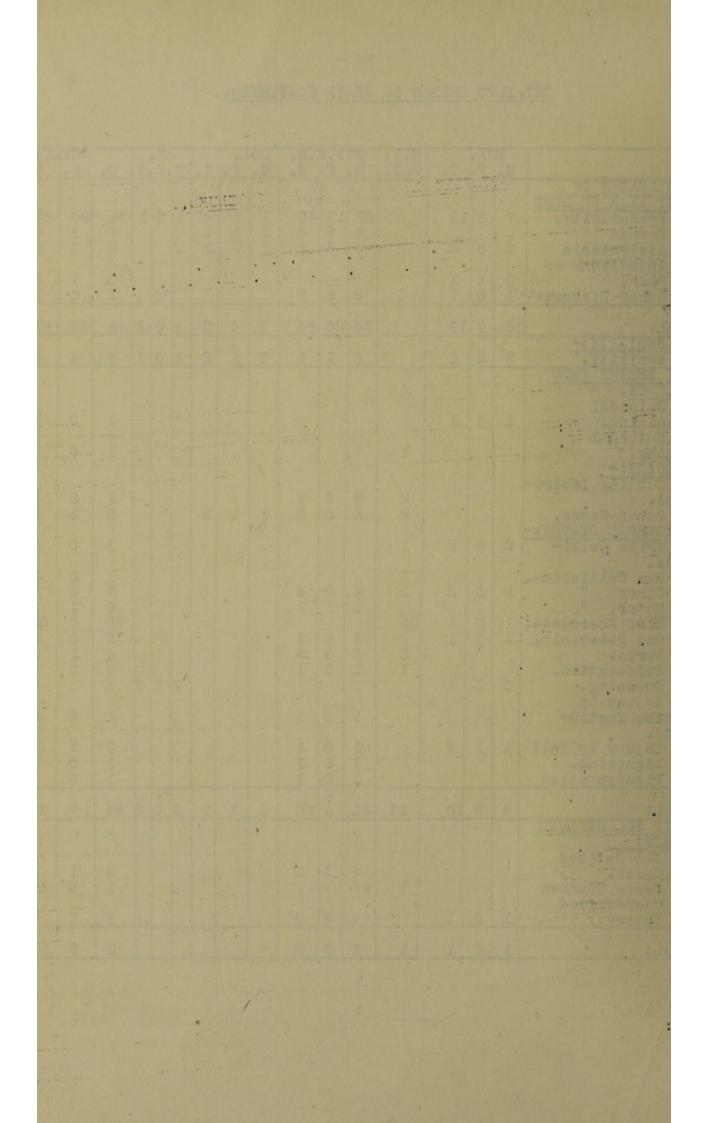


DETAILED CAUSES OF DEATH CONTINUED ..

	H.	UR.		MIN.	NC	N.L	I.N.	00	L.	-		AS			TOT	ATT T
			т.	NAT.			Τ.			т.				м.		
XV DISEASES OF											1		1.59			
FIRST YEAR OF LIFE	-				0-				-	1			_	-		
751 Prematurity.	7	8	15		25	15		1	3	4	1	0	1	34	26	60
752 Trauma	0		2	1	43	23	6	1	10	2				5	3	8
754 Atelectasis	2	0	2		0	0	0	1	0	T				6	3	9
756 Infections of New Born.	0	1	7			11 pe	31.							0	1	2
758 Other Diseases	ĩ	Ó	1		2	0	2							03	Ó	1 3
100 00101 21800808	-	-		-		-	~	100		-		1				
TOTAL:	10	9	19		34	20	54	3	4	7	1	0	1	48	33	81
XVI SENILITY:-									1							
800 Senility.	3	2	5	1	0	1	1	1	1	2	1	0	1	5	4	9
XVII DEATHS FROM						1										
VIOLENCE. 850 Suicidal	1-															
Poisoining.	1	0	1	1										1	0	1
856 Suicidal	-	10	1	to and										+		-
Hanging.	1		-	1					-					1	0	1
HOMICIDE:-						1	1000	1						-		
866 Cutting Instru-				1	1	1	1			1					10	
ments.	110		1	2	7	2	9							9	2	11
867 Other Means,			1 '	2	2	0	2	1	1	2				5	1	6
ACCIDENTAL DEATHS:-			1					ł							35	1
869 Train Colli-	2	0	2	1		1			1					3	0	3
sions.				1 .			-							-	-	-
870 Bus Collisions. 871 Other "	2	0	2	11	4	0	4							17	00	17
873 Motor. "	~	0	1~	-	1 o	li	1							ó	i	i
880 Mine Accidents.	1	0	1	21	1	-	-							22	ō	22
888 Gas Poisoining	lī	00	lī		11	0	1		1					2	õ	2
891 Burns.	1		-	2	12	li	3		1	-				4	ĩ	5
892 Suffocation.				11	11	0	1							2	0	2
893 Drowning.	0	11	11								2	0	2	2	1	3
895 Injury by						1	1									
Cutting Instru-					11	0	11							1	0	1
ments.	-	-	10		-	1	-							-	-	-
896 Injury by Fall	1	11	2	-	11	00	1	1 miles						21	1	31
903 Lightning. 904 Electrocution				-	li	0	11	-						1	0	1
DOT LICCOPOCUCION		-	+			10				-	-	-				
TOTAL:	8	2	10	32	21	4	25	1	1	2	2	0	2	64	7	71
XVIII ILL DEFINED						1	100								-	State of the second
CAUSES:			1			-										
951 Ill Defined	-				1	-	-	1						0		
Cause.			1	1.	2	1	3		-					2	1	3
952 Cause Unknown	1		1	1	1				-	100		1		1	0	T
953 Unspecified Causes.	1	0	1	1	4	2	6	1						5	2	7
- Jauses.	1-	0	-		1-	1~		-				-	+		~	
TOTAL:	11	0	1	1	6	3	9				1			8	3	11
the second secon	1		1			-			-		1000	-	-			

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- 27 -VIOLENCE.

(a) TOTAL DEATHS : CAUSES.

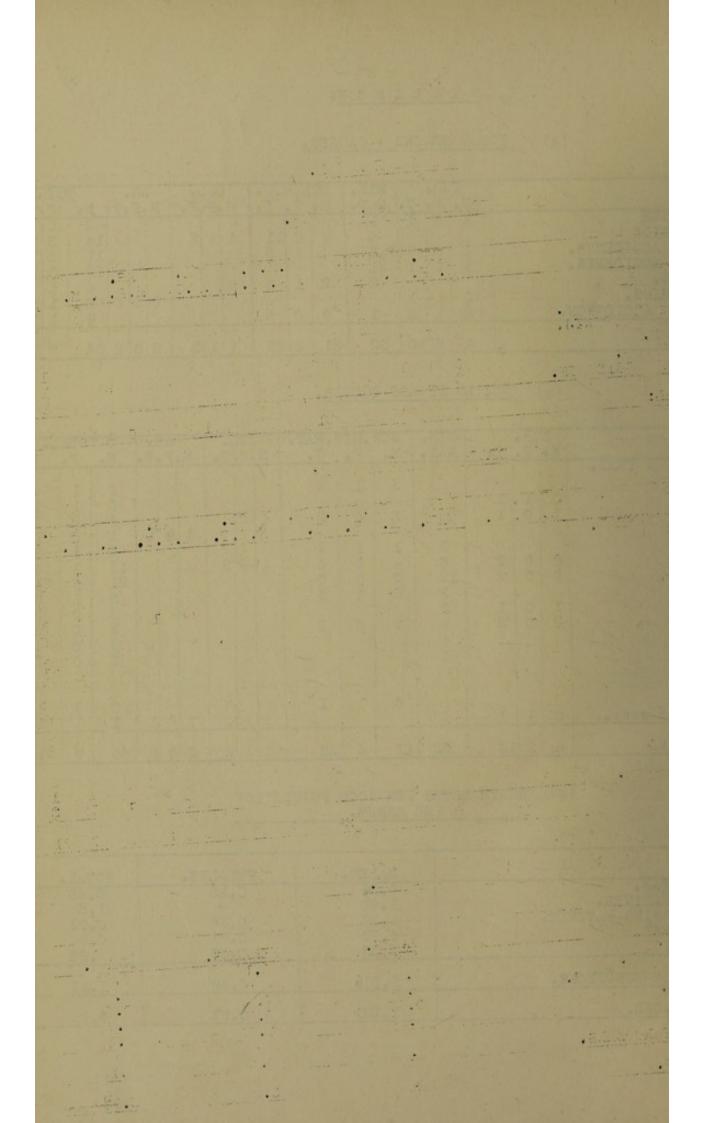
	the second second	UR.	2. 2.0	MIN. NAT.	M.		M.N. T.		.F	.T.		F	.т.		F	Sector and the
SUICIDE HOMICIDE ROAD ACCIDENTS. MINE ACCIDENTS. BURNS. DROWNING. OTHER ACCIDENTS.	1 41 02	0 00 11	1 4 1 3	1 4 3 21 2 1	00 44 A2 60	2 1 1 0	11 5 3 6	1	l	2	2	0	2	2 14 11 22 4 2 9	0310111	2 17 12 22 5 3 10
TOTAL	8	2	10	32	21	4	25	1	1	2	2	0	2	64	7	71

(b) DEATHS IN AGE GROUPS.

	E M.	UR. F.	т.	MIN. NAT.	NON M.	•MII	N.NAT. T.		COI F	т.	25	AS			OTA F.	L. T.
ONDER 1 YEAR. 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44 45-49 50-54 55-59 60-64 65-69	01 22 12	10 00 00	11 22 12	36232141	3 2 1 4 7 2 2	1 0 1001 0	4 2 2473 2	1	1	2	ı	0	1	303143153541	нноонноноооо	4 13 15 14 21 6 35 4 1
70-74 75 and over.	0	1	1		0	1	1				1	0	1	01	1	12
TOTAL:	8	2	10	32	21	4	25	1	1	2	2	0	2	64	7	71

(c) DEATH RATES FER 1000 POPULATION PER ANNUM.

	MÀLES.	FEMALES.	TOTAL.
EUROPEAN. MIN. NATIVES. NON.MINING NATIVES. COLOURED. ASIATIC.	0.63 1.60 1.33 0.77 3.33	0,16 0,36 0.71 0,00	0.40 1.6 0.93 0.74 1.66
ALL NON-EUROPEANS.	1.51	0,38	1.13
ALL RACES.	1.28	0.27	0.95



HEART DISEASE:

- 28 -

(a) TOTAL DEATHS CAUSES.

	M	EUS F		MIN. NAT.	M.		1.N. T.		F	т.		S.F.	т.	м.	F.	L. T.
PERICARDITIS. ENDOCARDITIS. MYOCARDITIS. VALVULAR DISEASE CORONARY DISEASE. OTHER DISEASES.	10153175	017331	1 22 20 20 6	3 2 1 1	223532	012415	235947	1021	0111	1132	0	I	1	7 2 32 9 21 8	130846	8 52 17 25 14
TOTAL:	41	15	56	7	27	23	50	4	3	7	0	1	1	79	42	121

(b) DEATHS IN AGE GROUPS.

		UR.		MIN.	NC		I.N.		COL.			AS.			FOTA	
	M .	F.	T.	NAT.	M.	F.	. T.	M.	F.	т.	M	.F.	т.	M.	. F.	T.
UNDER 4 YEARS. 5-9 10-14	0	1	1		12	00	120							12	10	22
15-19 20-24 25-29 30-34	1	0	1	1	1000	1142	2144	*			0	1	1	1214	2142	3356
35-39 40-44 45-49	201-102	201	413	1 1 1	214	304	518	010	101	111				547	2606	11 4 13
50-54 55-59 60-64	547	121	66.	2	211	014	225	1	ı	2				9 5 9	136	10 8 15
65-69 70-74 75 AND OVER.	548	331	879		172	111	283	1	00	1				6 12 11	442	10 16 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 0,36
MINING NATIVES. NON.MINING NATIVES.	0.36	2.07	1.74
COLOURED.	3.07	0.71	1.74 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

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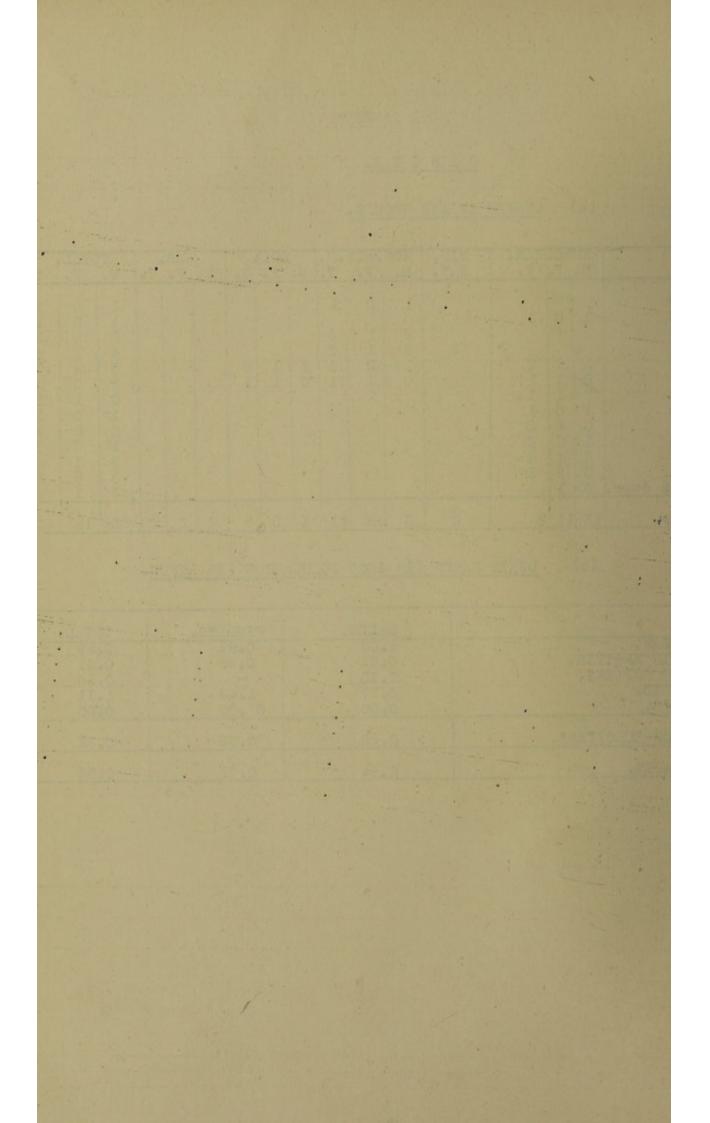
CANCER.

(a) DEATHS IN AGE GROUIS.

$\begin{array}{c c c c c c c c c c c c c c c c c c c $. T.	. <u>NAT</u> . 2	M. 1 221	F. 0 112	T. 1 337		F.	T.	Μ.	F.	T.	M. 1 2	F. 001	I. 1 3
15-19 20-24 1 25-29 30-34 35-39 1 40-44		2	2221	1	33								001	1
50-54 1 55-59 0 60-64 1 64-69 3 70-74 3 75 and over. 3	12345		0	1	31	10	1	2				4300-10-1355	1434022424	55781128454
TOTAL: 13 11	24	2	6	5	11	1	2	3	0	0	0	22	18	40

(b) DEATH RATES FER 1000 FOTULATION FER ANNUM.

	MALES.	FEMALES.	TOTAL.
EUROPEAN. NON-MIN NATIVES. MINING NATIVES. COLOURED. ASIATIC.	1,03 0,33 0,10 0.77 0,00	0.91 0,45 1.43 0,00	0.99 0.41 0.10 1.11 0.00
ALL NON-EUROPEANS.	0.25	0,53	0,32
ALL RACES.	0.44	0.71	0.53



DEATHTRA BAR	BTOTAT	I THAT HOTHA		
RESIFIRATORY	DISEASE	(INCLUDING	INFLUENZAL	INEUMONIA)

- 30 -

(a)

(ъ)

TOTAL DEATHS : CAUSES.

		UR.		MIN. NAT.		DN.MI F.	N.N. T.		OL.		15		m	м.	TOTAL	- 1	1
BRONCHITIS. INEUMONIA (ALL FORMS) OTHER DISEASES.	112	0	17	8 10	1 115 3	0	1 210 8			14				2	0 106 9	2 252 28	
TOTAL:	19	9	28	18	119	100	219	8	6	14	3	0	3	167	115	282	I

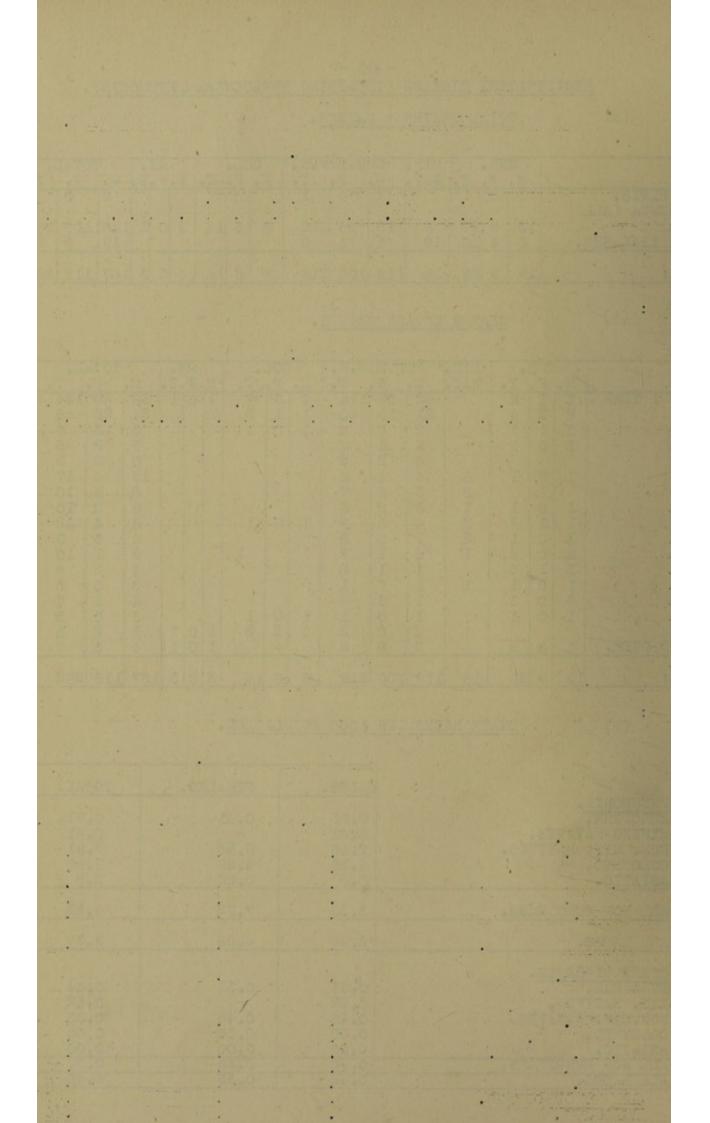
DEATHS IN AGE GROUPS.

		EUF		MIN.	MC	N.MI	N.N.		COL		-	As	5.	1	TOTA	L.
- province -	M.	F.	T.	NAT.	М.	F.	т.	M.	F.	т.	M.	. F.	т.	M.	. F.	T.
INDER 1 YEAR	1	1	2		62		114	4	3	7	1	0	1	68		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			1		0	2	2							0	2	2
20-24	1	0	1	8	4	4	8				5			13	4	17
25-29			and the	3	3	4	7							6	4	10
30-34	1	0	11	1	6	2	8	2						8	2	10
35-39	1	1	2	2	4	3	7	1	0	1				8	4	12
10-44	1	0	1	2	1	5	6							4	5	9
15-49	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	1						4	3	7
55-69	1	0	1		1	0	1	1	02	1				3	0	3
70-74	1		P.C.		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
And the second									-					-		
FOTAL:	19	9	28	18	119	100	219	8	6	14	3	0	3	167	115	282

(c)

DEATH RATES FER 1000 POPULATION.

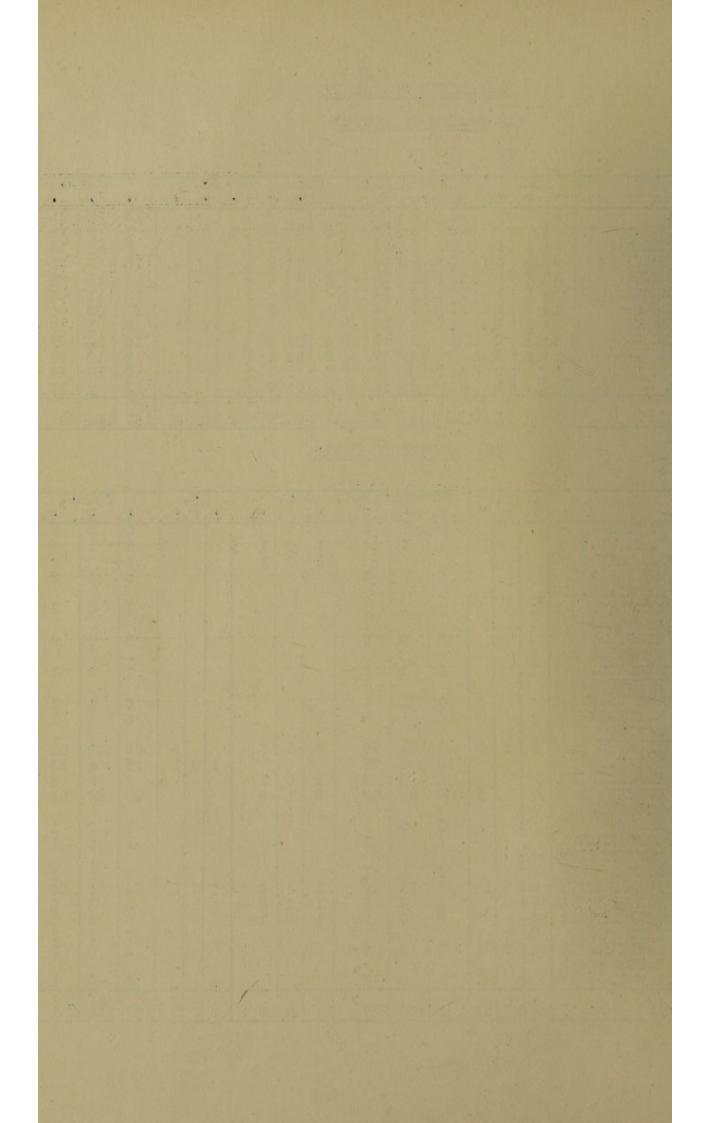
(a) PNEUMONIA. EUROFEAN. MINING NATIVES. NON. MIN. NATIVES. COLOURED. ASIATIC.	MALES. 0.95 0.41 7.48 6.15 5.0	FEMALES. 0.41 8.56 4.28 0.00	TOTAL. 0.71 0.41 7.81 5.18 2.5
ALL NON EUROPEANS.	3,63	7,72	4,53
ALL RACES. (b) OTHER DISEASES. EUROIEAN. MIN. NATIVES. NON.MIN. NATIVES. COLOURED. ASIATIC. ALL NON EUROPEANS. ALL RACES.	2.95 0.55 0.52 0.25 0.00 0.00 0.30 0.42	4.23 0.33 0.45 0.00 0.00 0.38 0.35	3.37 0.44 0.52 0.33 0.00 0.00 0.37 0.40



- 31 -INFANTILE MORTALITY.

(a) DEATHS IN MONTHS.

1		DR.		T		MIN.			L.			AS.		1		AL.
JULY AUGUST SEPTEMBER OCTOBER NOVEMBER DECEMBER JANUARY FEBRUARY MARCH APRIL	MI 0310131200 04	FH HHOHRHORA T	- T2 14 113 42221 23		M. 11 8 10 12 25 8 10 7 10 11 .32 1	2555109490003	T. 13 13 15 22 44 19 17 22 14 37	M. 0 2 0 1 4 2 2 11	2 02 2 02 0	T. 2 2 2 2 2 3 4 4 4 2 19	N. 1 1	F. 0	1 1 2	N. 12 9 8 15 13 12 27 12 15 11 10 13 157		T. 25 16 14 21 26 23 50 17 25 23 24 17
			(ъ)	CAU	ISES	OF DI	CATH.					•			
	1	El M.	Jho Fo			F.	N.NAT		F			AS M.F	г.т.	М.	TOTA F.	
C.I. PENTUBBIS C15 PULM. T.B. C24 MILIARY T.B C43 CONGENITAL					0 1 0	21 1 53	T. 22 23	1	00	1				0210	2103	2313
SYPHILIS. 052 MEASLES. 163 MALNUTRI-		1	0	1										1	0	1
301 CEREBRAL ABSCESS.					6	0	6							6	0	6 1
CAL MENINGETIS. COL MENINGETIS. CO EFILEPSY	-	-			00	1	1							00	1	1
404 ERONCHO 405 LOBAR. 406 UNSIECITIED 458 ENTERITIS.	,	1	1	2	46 14 2 26	44 8 0 24	90 22 2 50	312	301	6 13		1	ı	50 15 3 28	48 8 26	98 23 3 54
700 HYDRCCEP- HALUS, 702 CONG.HEART. 703 MONSTROSI-					1	00	1							1	00	1
TIES. 751 TREMATURITY 752 BIRTH INJUS 754 ATELECTACIS 756 IMPEOPICUS 758 HAEMORRHAGE	Y	7 201	0 H O H O	15 2 1	015 4 2 2	1 15 2 3 0	1 40 5 2	111	310	421		1	D I	045503	163310	1 60 8 1 3
953 CAUSE UN- KNOWN,	-	_			1	0	1	_			-	-		1		ì
TOTAL:	17	2	11	23	132	105	237	21	8	19		20	2	157	124	281



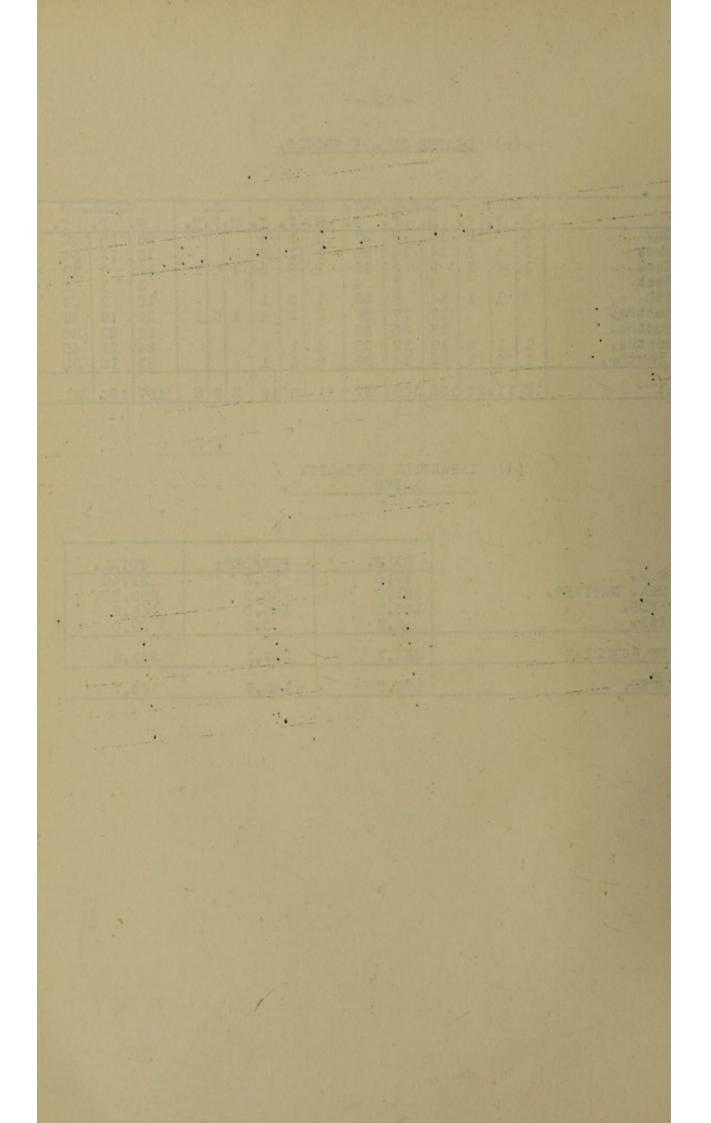
- 32 -

(c)	DEATHS	IN AGE	GROUPS.
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		UR		NO	DN.M.	NAT.	CO	L.		1	S.		1	FOTAL	J.	7
	M.	F	. Т.	M.	F.	т.	M.	F.	. Т.	M.	F	.T.	M	. F.	т.	1
lst Day	6	6	12	18	9	27	2	1	3				26	16	42	1
1st Week	3	1	4	14	14	28	1	1	2			6 6 3	18	16	34	I
2nd Week	11	2	3	9	3	12	1	2	3	1	0	1	12	7	19	1
3rd Week		1		3	1 1	4				1		6	3	1	4	1
1 month	0	11	1	14	8	22	1	0	1				15	9	24	ł
2-3 months.	1			17	17	34	2	2	4	1	0	1	20	19	39	I
4-5 months.				16	20	36						-	16	20	36	1
5-8 months.	11	11	2	19	19	38	4	1	5			6	24	21	45	1
9-12 months.	11	0	1	22	14	36	0	1	1	maria			23	15	38	-
							1			1				Constant .		T
TOTAL:	12	11	23	132	105	237	11	8	19	2	0	2	157	124	281	1

(a) INFANTILE MORTALITY RATES

EUROPEAN. NON. MIN. NATIVES. COLOUREDS. ASIATICS.	MALE. 32.6 321.9 180.3 48.7	FEMÁLES. 30.3 275.5 125.0 0.0	TOTAL. 31.46 299.6 145.2 29.0
ALL NON EUROPEAN	282,1	239,1	261,9
ALL RACES.	178.0	148.7	163.7



- 33 -

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ENTERITIS (UNDER 2 YEARS).

(a) DEATHS IN MONTHS.

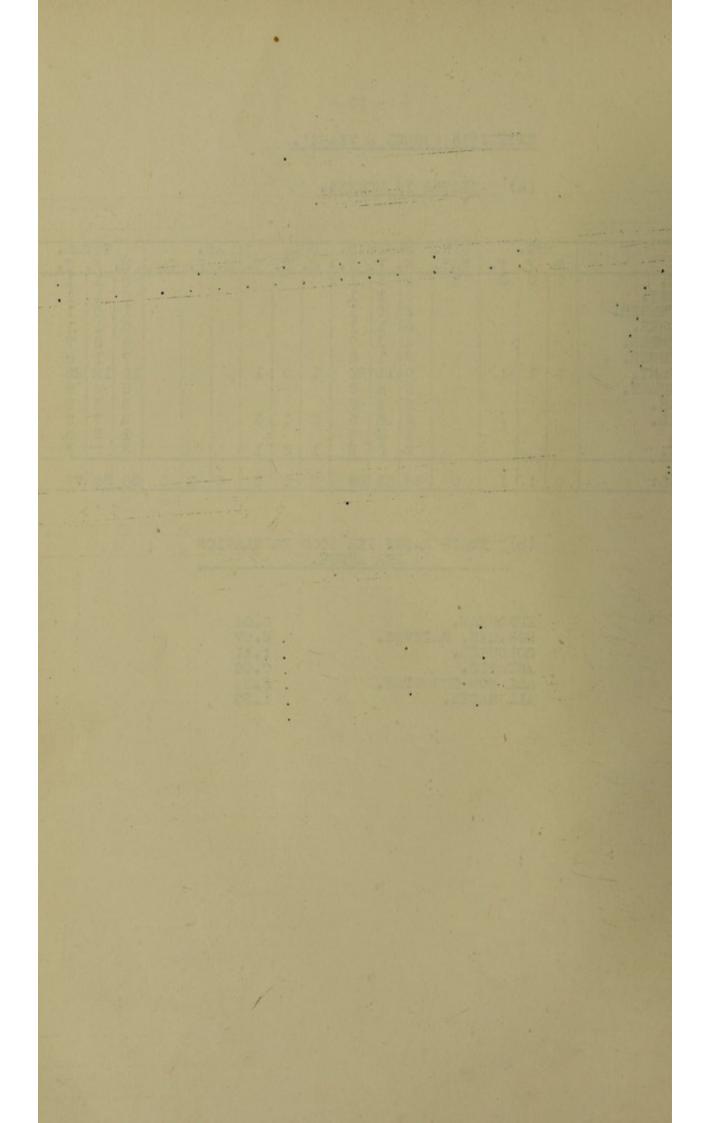
	E M.	UR. F.	т.	MIN. NAT.	NC M.		T.	CO M.	L. F.	т.	As M.	5. F.	т.	M.		T.
JULY. AUGUST. SEPTEMBER. OCTOBER. NOVEMBER. DECEMBER. JANUARY. FEBRUARY. MARCH. APRIL. MAY. JUNE.	0	0	1	0	001047955212	110131143620	111178098832	1 0 1	0	1.				001047055213	110131243720	1 1 1 1 7 8 2 9 8 9 3 3 3
TOTAL:	0	1	i	0	36	33	69	2	1	3	0	0	0	38	35	73

(b) DEATH RATES PER 1000 POPULATION PER ANNUM.

.

0.04 2.57 1.11 0.00 2.34 1.33

EUROPEAN. NON.MIN. NATIVES.	
DOLOURED. ASIATIC.	
ALL NON-EUROPEAN. ALL RACES.	



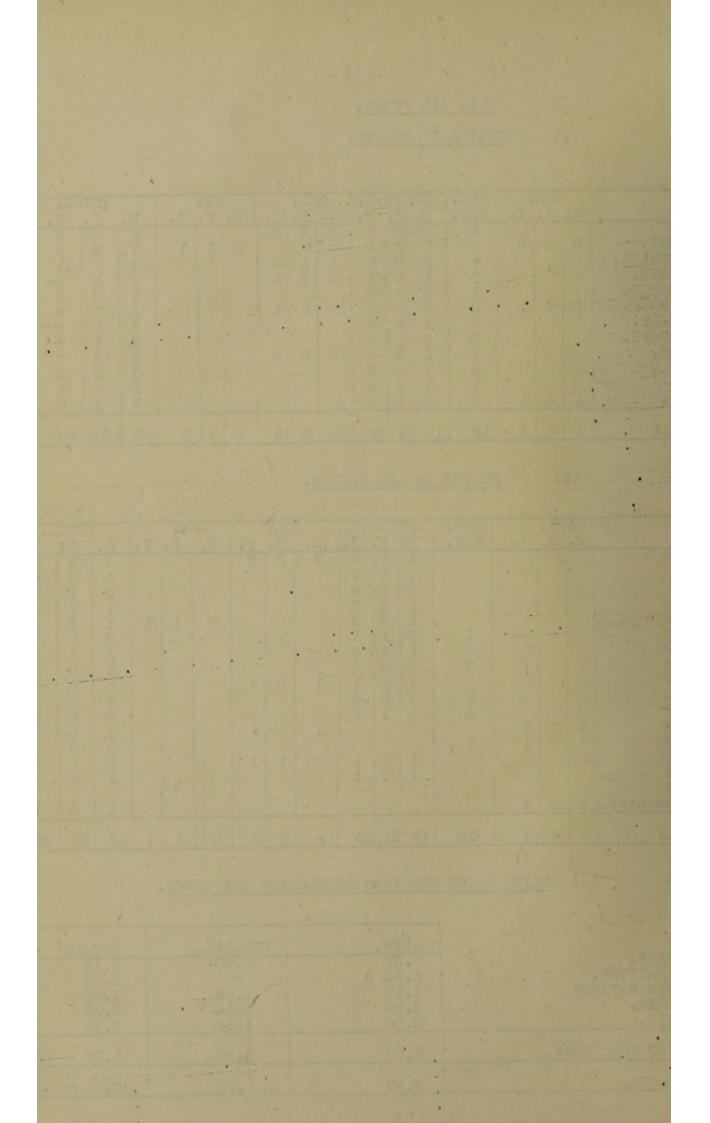
T.B. ALL FORMS.

(a) <u>DEATHS IN MONTHS.</u>

DUD LITY , YOU I N L YOU																				
				MIN. NON.M.N. NAT. M. F. T. 1 4 2 6				COL. M. F. T.			AS. M. F. T.			14	TOTAL. M. F. T.					
JULY AUGUST. SEPTEMBER. OCTOBER. NOVEMBER. DECEMBER. JANUARY. FEBRUARY. FEBRUARY. MARCH. APRIL. MAY JUNE.	2 1	0 0 0	2	нынонофонона	402100122114	216020112231	181202343		2	2 10 0 0	2 2 1 1 2	C	1	1	574212525127	42702011223	1 9			
TOTAL:	4	0	4	16	18	21	39		5	3	8	0	1	1	43	25	68			
(b) <u>DEATHS IN AGE GROUPS</u> . EUR. <u>MIN. NON.M.N.</u> COL. AS. TOTAL.																				
UNDER 1	M.	F.	Τ.	NAT.	NAT. M. F.				M 3		F.	T.	M.		т.	. M. F. T.				
1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44 45-49 50-54 55-59 50-64 35-69 70-74 75 and over.	21	00 0	21	622 23 1		14011012141	15222132021 00	20235144162 11	1 1 0		2 0 0 1	5	0	1	1	440116342648211 1	PROSPERANCE O	792347662853221		
TOTAL:	4	0	4	16	1	8	21	39	5	_	3	8	0	1	1	43	25	68		
EUROPEAN. MIN. NATIVES. MON.MIN.NATIV COLOURED. MSIATIC.	M	PER 1000 POPULAT MALES. 0.32 0.82 1.14 3.84 0.00											TOTAL. 0.16 0.82 1.45 2.96 0.83							
LL NON EUROPEANS.						1.06						1.90					1.27			
LL RACES.	1	0.87						0.99					0.91							

. .

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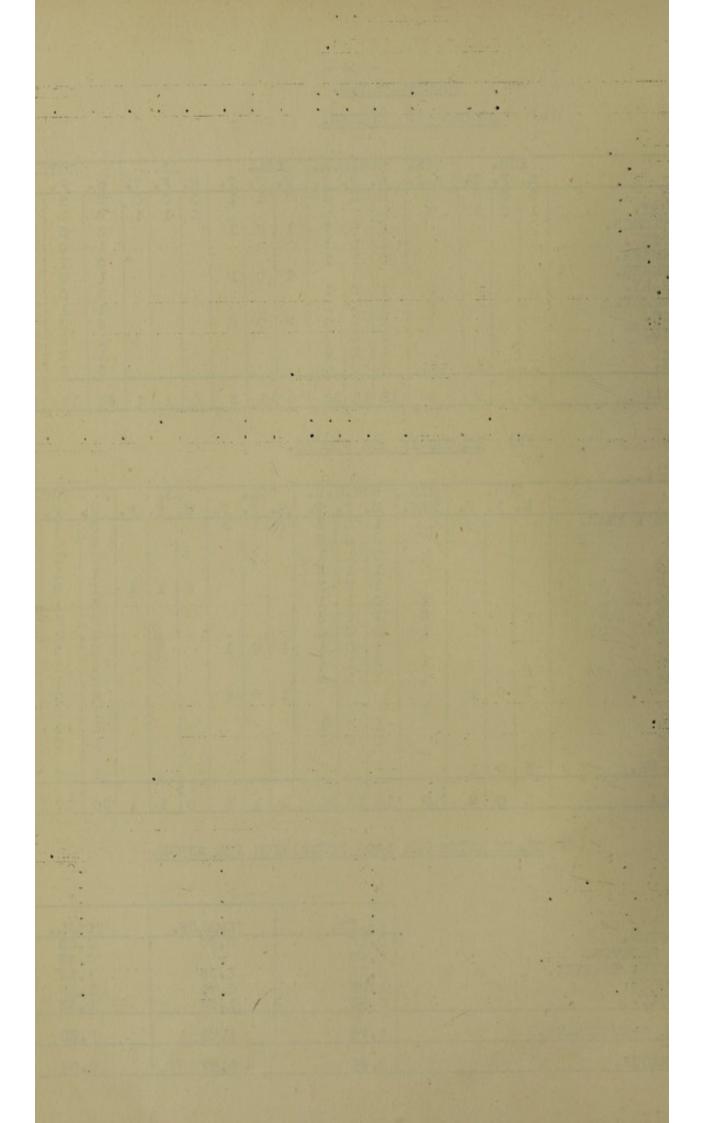
- 35 -PULMONARY T.B.

(a) <u>DEATHS IN MONTHS.</u>

Participation and and and and and and	E	UR .		MIN.	NC	N.D	.N.		OL.			AS.			TOT	
	M.	F.	т.	NAT.	M.	F.	Τ.	M.	F.	т.	И.		т.	м.		T.
JULY AUGUST. SEPTEMBER. OCTOBER. NOVEMBER. DECEMBER. JANUARY. FEBRUARY. MARCH. APRIL. MAY. JUNE.	01	00 0	01	0 5 201 1	2 210 112114	N 100H 0HNNN0	4 711 124334	0 1 1 2	1 0 0 0	1 1 1 2	00	01	01	263101315116	- 	578111327336
TOTAL:	2	0	2	9	15	15	30	4	1	5	0	1	1	30	17	47
		EUR.		MIN.	. N		M.N.		COL.			AS.	. T.	M.		T.L.
UNDER 1 YEAR. 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44 45-49 50-54 55-59 60-64 65-69 70-74 OVER 75.	1	0	1	321	12011012131	04112122	11	1	0	1	0	1	1	320113332422111 1	141131220110000 0	T.461244552532111 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.

EUROPEAN. MIN. NATIVES. NON.MIN. NATIVES. COLOURED. ASIATIC.	MÁLES. 0.15 0.46 0.95 3.07 0.00	FEMALES. 0.00 1.35 0.71 1.66	TOTAL. 0.08 0.46 1.12 1.85 0.83
ALL NON-EUROPEANS.	0.76	1.29	0,89
ALL RACES.	0.60	0.67	0.63



INFECTICUS DISEASES.

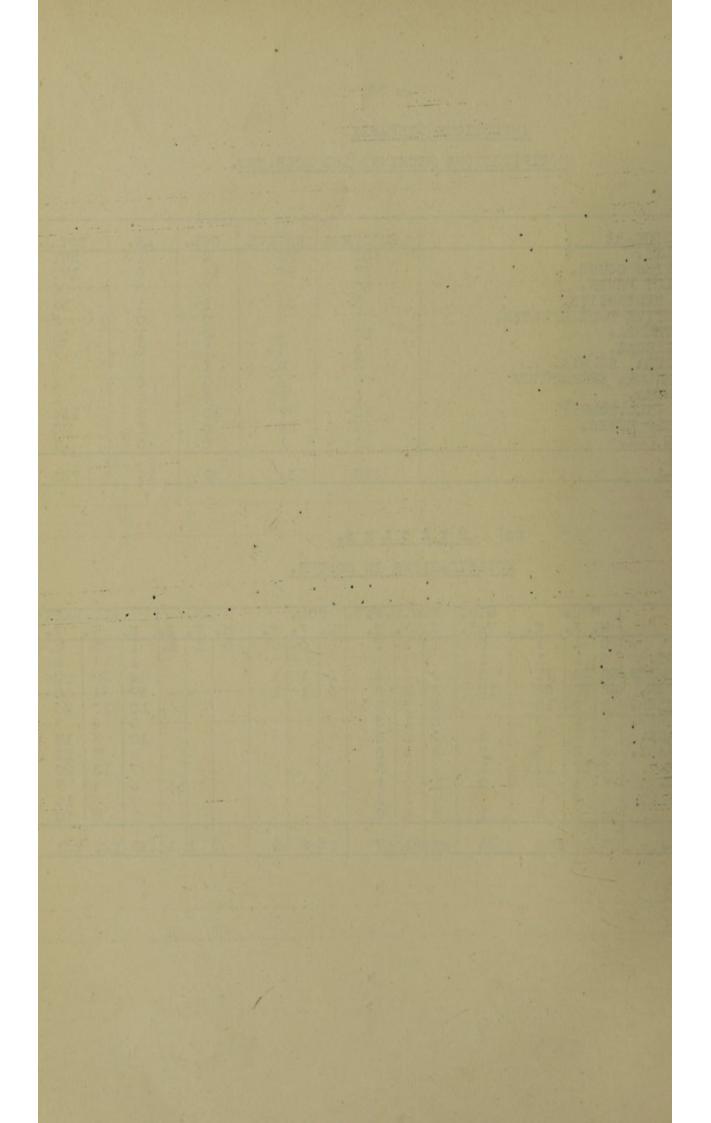
NOTIFICATIONS RECEIVED AND ACCEPTED.

DISEASE	EUROTEAN	NATIVE	COL.	AS.	TOTAL.
MEASLES.	185	73	2	1	261
WHOOPING COUGH.	57	96	14	5	172
SCARLET FEVER.	50	C	0	0	50
C.S. MENINGITIS.	3	34	1	1	39
INFECTIVE ENCETHALITIS.	0	2	0	0	2
DICHTHERIA.	10	4	0	1	15
ERYSIPELAS.	32	33	1	0	7
TUERTERAL SEPSIS.	2	3	1	Ó	6
OFHTHALMIA NEONATORUM	0	4	0	0	4
TRACHOMA.	0	42	0	Ó	42
T.B. (ALL FORMS).	12	87	10	5	114
ENTERIC FEVER.	54	25	0	ĩ	80
SMALL FOX.	0	1	0	0	1
TOTAL:	376	334	29	14	753

(a) MEASLES.

MIN. EUR. NON .M. NAT. COL. RACES. AS. ALL NAT. M. T. F. T. F. 14. M. F. 2.3 TO F. F. T. Τ. M . . . JULY AUGUST. SEPTEMBER . 38 OCTOBER. 22 31 10 44 37 NOVEMBER . DECEMBER. JANUARY. FEBRUARY. MARCH. APRIL. MAY. JUNE 39 121 261 TOTAL: 87 98 185 C.

NOTIFICATIONS IN MONTHS.



- 37 -(b) <u>PERTUSSIS.</u>

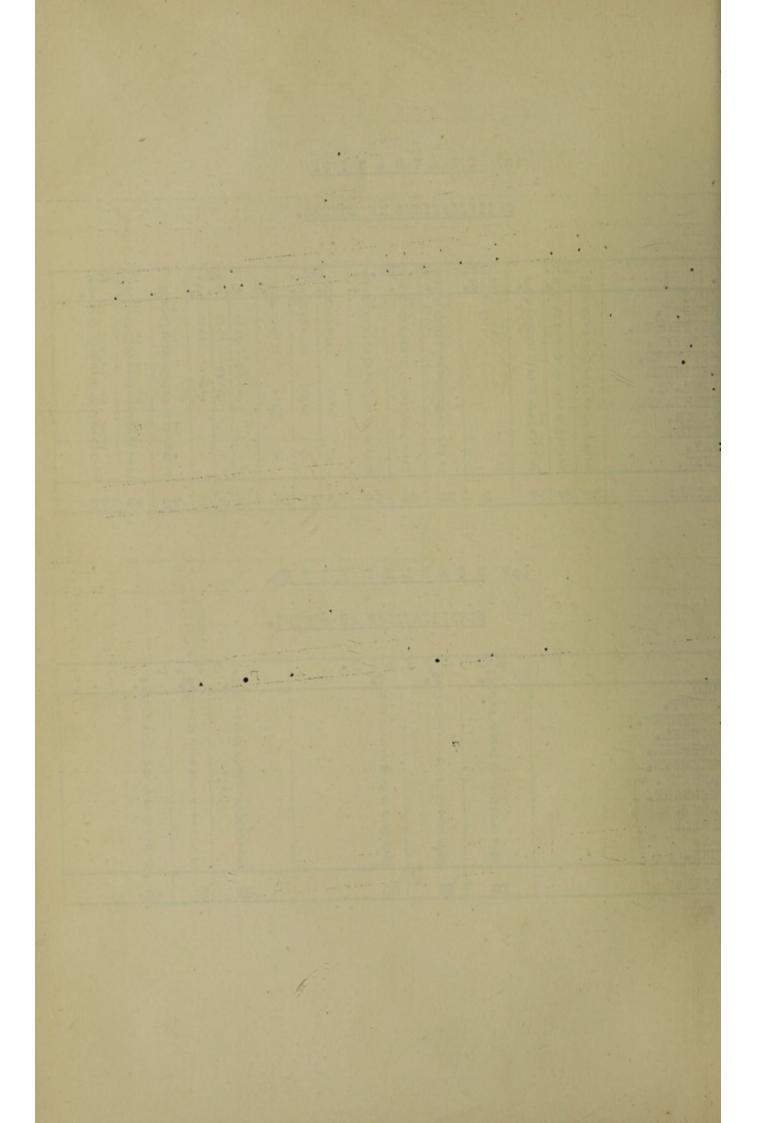
NOTIFICATIONS IN MONTHS.

	E	UR.	-	MIN.	NO	N.MI	N.N.	0	OL.			AS		1	TOT	AL.	-
	M.	F.	T.	NAT.	M.	F.	Т.	М.	F.	T.	M	F.	. T.	M.	F.	т.	
JULY	3	2	5	0	12	27	39	C	6	6			1000	15	35	50	
AUGUST.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SETTEMBER.	1	7	8		5	8	13	1	1	2	0	2	2	7	18	25	
OCTOBER.	4	11	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	1.6	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				1 1 1			10	7	17	
APRIL.	4	2	6	2	4	0	4			-				8	2	10	
MAY.	3	0	3	1.1.1.1.1.1	2	1	3	1	0	1				6	1	7	
JUNE .	3	1	4		1	2	3	-	and			1	and and	4	3	7	-
	Sec. 1				1. Sector	Sec. 1											
TOTAL:	30	27	57	0	38	58	96	3	11	14	2	3	5	73	99	172	1

(c) <u>SCARLET FEVER</u>.

NOTIFICATIONS IN MONTHS.

	EUP M.	COPE F.	A N T.	T O M.	T A F.	L .T.	
JULY AUGUST. SEFTEMBER. OCTOBER. NOVEMBER. DECEMBER. JANUARY. FEBRUARY. MARCH. AFRIL. MAY. JUNE.	2 14235132312	012112301046	220347433358	214235132312	012112301046	N N C C 3 4 7 4 3 3 3 5 6	
TOTAL:	29	. 21	50	 29	21	50	



- 38 -

(d) <u>DIPHTHERIA</u>.

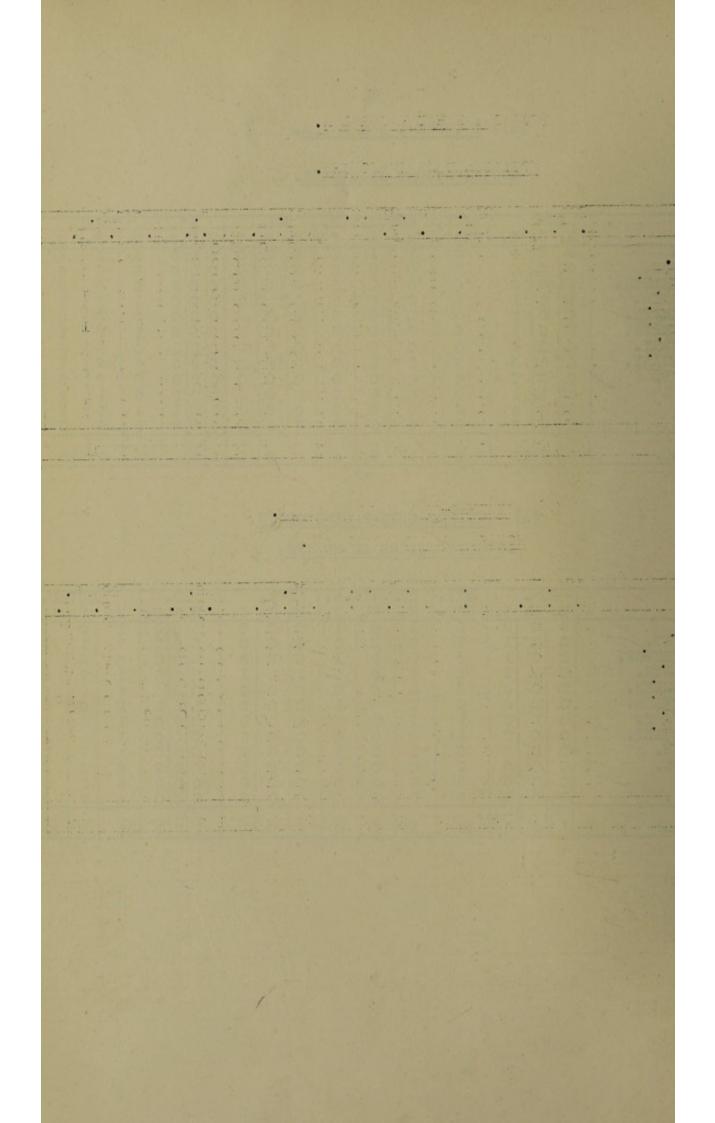
NOTIFICATIONS IN MONTHS.

	E	UR.		MIN.	NON	.MII	N.N.	0	OL.			AS.	1 '	TOTA	L.
	M.	F.	T.	NAT.	M.	F.	T	M.	F.	т.	M.	F.T	• M.	F.	Т.
JULY	2	2	4	0	1	1	2	0	0	0	0	00	3	3	6
AUGUST.	0	0	0	0	0	0	0	0	0	0	0	00	0	0	0
SEPTEMBER.	0	0	0	0	0	0	0	0	0	0	0	00	0	0	0
OCTOBER .	1	0	1	0	0	0	0	0	0	0	0	00	1	0	1
NOVEMBER.	0	0	0	0	0	0	0	0	0	0	0	00	0	0	0
DECEMBER .	1	0	1	0	0	0	0	0	0	0	0	00	1	0	1
JANUARY.	0	3	3	0	0	0	0	0	0	0	0	00	0	3	3
FEBRUARY.	0	0	0	0	0	2	2	0	0	0	0	00	0	2	2
MARCH.	0	0	0	0	0	0	0	0	0	0	0	00	0	0	0
APRIL	0	1	1	0	0	0	0	0	0	0	0	00	0	1	1
MAY.	0	0	0	0	0	0	0	0	0	0	1	01	1	0	1
JUNE .	0	0	0	0	0	0	0	0	0	0	0	00	0	0	0
	- and				-	and the second	-	diament of	1	-	Sec.	See. 1.	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	-	Non- Carlo
TOTAL:	4	6	10	0	1	3	4	0	0	0	1	01	6	9	15

(c) <u>CEREBRO-SPINAL MENINGITIS</u>.

The second second second	E	JR.		MIN.	NON	.MIN		C	OL.	1.0		S		-	TOT.	and the second se
	М.	F.	T.	NAT.	M.	F.	T.	M.	F.	Τ.	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

NOTIFICATIONS IN MONTHS.



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i.

(f) ENTERIC FEVER.

NOTIFICATIONS IN MONTHS.

		EUI		MIN.		-		CO.		1-		s.	1 1 1 1 1 1 1	TOTA		1
111	M.	F.	T.	NAT.	M.	F.	T.	Μ.	F.	T.	M. H	·.T.	M.	F.	T.	
JULY	0	0	0	0	0	1	1	0	0	0	01	. 1	0	2	2	F
AUGUST.	1	0	1	0	1	0	1	0	0	0	00	00	2	0	2	
SEFTEMBER.	0	0	0	0	0	0	0	0	0	0	00	0 0	0	0	0	
OCTOBER.	0	0	0	0	0	1	1	0	0	0	00	00	0	1	1	
NOVEMBER.	0	0	0	0	0	0	0	0	0	0	00	0 0	0	0	0	
DECEMBER.	7	3	10	0	0	1	1	0	0	0	00	00	7	4	11	
JANUARY.	11	13	24	1	1	1	2	0	0	0	00	0 0	13	14	27	
FEBRUARY.	10	8	18	0	2	2	4	0	0	0	00	0 0	12	10	22	
MARCH.	1	0	1	2	0	11	1	0	0	0	00	0 0	3	1	4	
APRIL.	0	0	0	0	1	11	2	0	0	0	00	0 0	1	1	2	
MAY .	0	0	0	1	0	11	11	0	0	0	00	00	1	1	2	
JUNE .	0	0	0	5	0	0	0	0	0	0	0 0	0 0	5	0	5	
		-	-					1	12.73.626					Contraction of the	The set of the set	
TOTAL:	30	24	54	9	5	9	14	0	0	0	0	11	44	34	78	

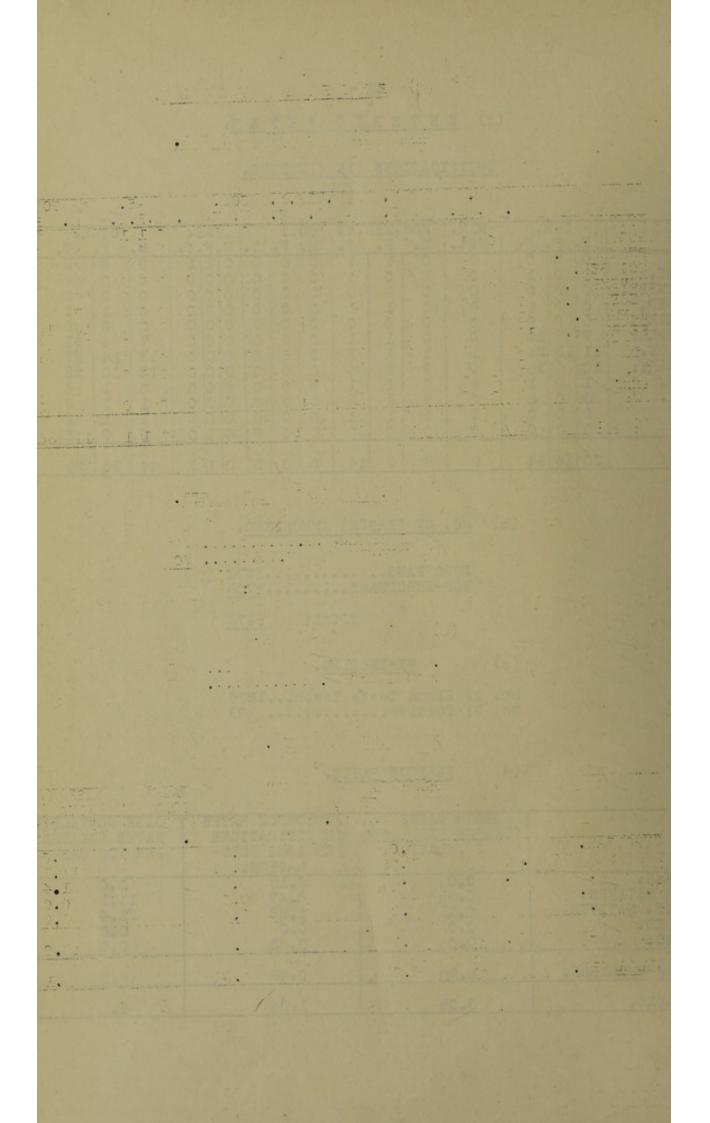
(b) NO. OF PERSONS IMMUNISED.

TOTAL: 5478

(c) <u>VI-TESTING</u>.

(a) VARIOUS RATES.

	DEATH RATES (DEATHS PER 1,000 POPULATION.	INCIDENCE RATES (NOTIFICATIONS PER 1000 POTU- LATION.	CASE MORTALITY RATES (DEATHS PER 100 CASES.
EUROPEAN. MINING NATIVES. NON-MIN. NATIVES. COLOURED. ASIATIC.	0.0 0.05 0.11 0.0 0.0	2,18 0,47 0,52 0.0 0,83	0,0 11.1 21.4 0.0 0,0
ALL NON-EUROFEAN.	0.08	0.48	16.6
ALL RACES.	0.05	1.04	5.1



(g) TUBERCULOSIS.

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(a) NOTIFICATIONS.

	E	UR.	-	MIN.					OL.			AS	and the second second		TOT	MAL:
ULMONARY T.B.	M. 65	FOO	- T.	NAT 32 12	17 17	F. 15 9	32 10	32	F. SQ	T. 64	2	1	3	M. 60 22	19 11	79 33
TOTAL:	11	0	11	44	18	24	42	5		10					30	112

(b) TULMONARY T.B.

NOTIFICATIONS IN AGE GROUPS.

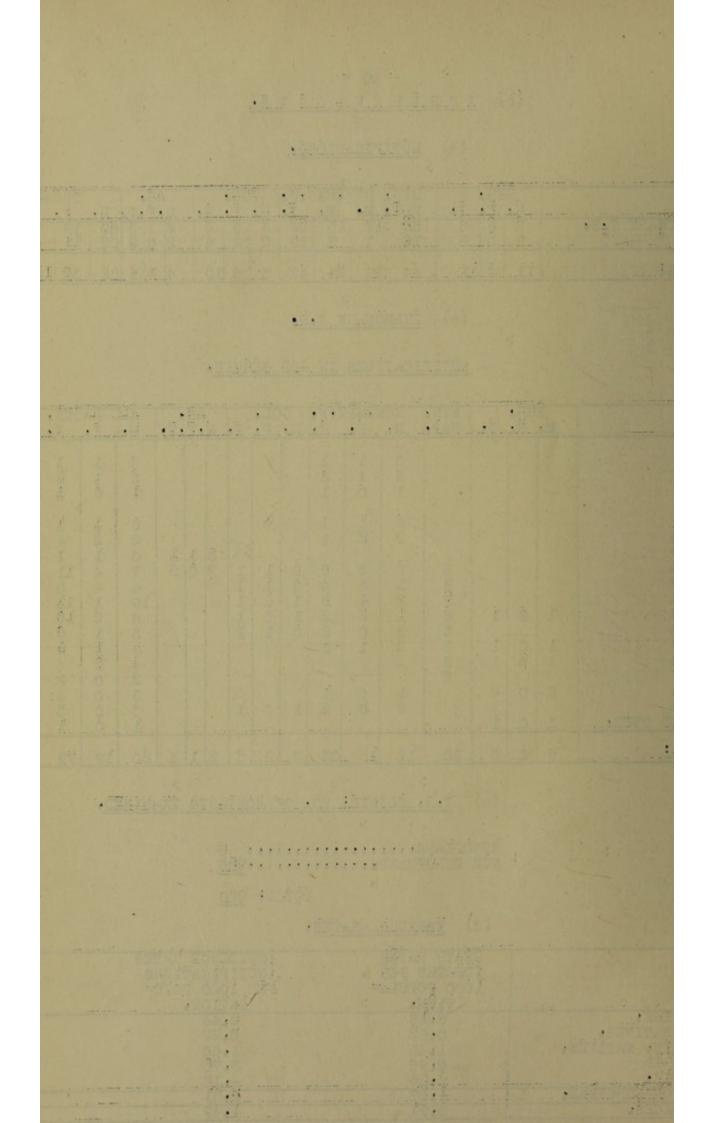
		UR. F.	т.	MIN. NAT.	NON M.	V.MIN F.	V.N. T.	Co M.	OL. F.	т.		F	т.	ALI M.	F.	T.
0		-			021	1 1 0	131							021	110	1 3 1
2 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44 45-49 50-54	1 1 1	0 00	1	ា សូល ហ សូល ហ	02 012132	12 331201	14 343333	00110	11001	11111	002	10	12	02074085842	12144121100	1 4 11 8 11 6 9 4 2
55-59 60-64 65-69 70 AND OVER.	2	0	2	2	12	00	12	1	0	1				331	0000	331
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.

TOTAL: 260

(d) VARIOUS RATES.

	DEATH RATES (DEATHS PER 1000 POPULA- TION.	INCIDENCE RATES (NOTIFICATIONS PER 1000 POTU- LATION.
EURCPEAN.	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 HOSTITAL.

	CIPT	NON H N	COT	4.7	ATT DAGES
WHOOPING COUGH.	states a sub-	NON.M.N.	COL.	AS.	ALL RACES.
FULMONARY T.B.	33	4	0	0	7
	0	24	5.0	2	34
DIPHTHERIA.	16	6	0	1	23
MENINGOCOCCAL MENINGITIS.	5		ŝ	1	14
TYPHOID FEVER.	29	34	0	1	64
TRACHOMA.	0	2	0	0	2
MILIARY T.B.	0	22	1	0.	3
T.B. MENINGITIS.	0	2	1	0	3
T.B. PERITONITIS.	Ō	1	0	0	1
T.B. SPINE.	1	3	0	0	4
T.B. KIDNEY.	0	0	0	1	1
T.B. KNEE.	0	12	00	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	õ	ī
SCARLET FEVER.	2	õ	Ō	õ	2
ERYSIPELAS.	23	õ	02	õ	5
MUMPS.	1	0	1	õ	1 2 5 2
WULVO-VAGINITIS.	ī	1	õ	0	2
OPTHALMIA NEONATORUM.	ō	3	õ	õ	3
CHICKEN POX AND SALPHINGI-	-				
TIS.	7	0	0	0	1
the second second is a second					
TOTAL:	69	105	14	6	194



(b) MINE HOSFITAL.

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

- 42 -



(6) NURSING HOMES AND HOSFITALS.

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

(d) RIETFONTEIN ISOLATION HOSPITAL.

	EUR.	MIN.NAT.	NON.M.N.	COL.	ALL RACES
HONORRHOEA. BYPHILIS V.D. WARTS. HONORRHOEA AND SYPHILIS AMAAS. CHICKEN POX.	100000	000000	73 148 3 10 1 1	420100	78 150 3 11 1 1
TOTAL:	1	0	236	7	244

- 43 -

1 1 <u>1</u> 1

- 44 -

(a) INFANT AND ANTE NATAL CLINICS.

	EURO	TEAN N'MEAD.	NON-E NAT.	UROFEAN COL.	AS.	ALL RACES. TOTAL.
INFANT CLINICS. New Cases. ATTENDANCES.	340 3,867	120 2,041	436 3,864	115	17 214	1,028
ANTE-NATAL CLINICS. NEW CASES. ATTENDANCES.	123	-1-1	849 4 ,15 8	73 415	3 15	1,048 4,973

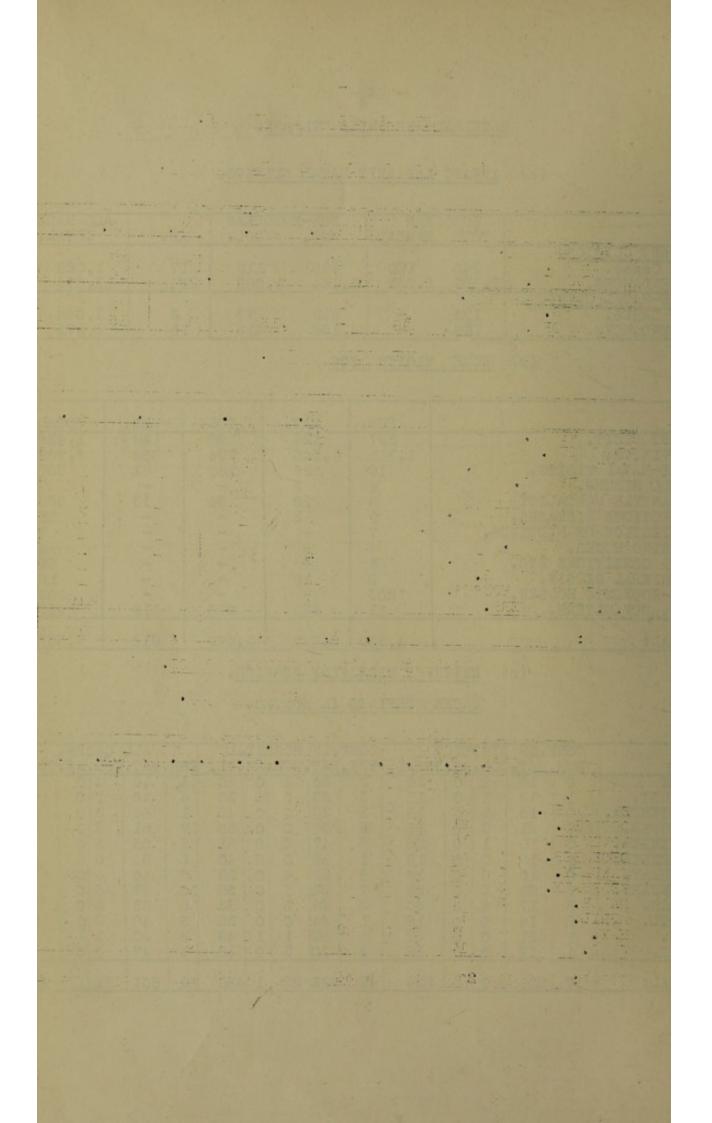
(b) HOME VISITS ETC.

		and the second sec	And the second second	and the second second second second second	and the second se
	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	54	13	305
INFECTIOUS DISEASES.	9	2	-	-	11
INSPECTION OF MIDWIVES.	7	-	-	-	7
NURSING HOMES.	4	-	-	-	4
SHOF CONDITIONS ETC.	69	-	-	-	69
PUERPERAL SEPSIS.	2	10	-	-	12
SUB-ECONOMIC HOUSES.	203	-	-	-	203
V.D. DEFAULTERS.	11	528	275	119	933
	1				
TOTAL:	1,339	2,629	1,479	916	7,363

(c) DISTRICT MIDWIFERY SERVICE.

CASES CONFINED IN MONTHS.

The second secon	CONH	.ON I	DIST	RIC	T	CONF	.IN	HOS	FIT	AL	1	ALL			
Support in the support	EUR.	NAT .	COL.	AS.	TOTAL	EUR.	Statement Statement and	Contraction of Contra	.AS	Concerning of the local division of the loca	EUR		COL.	AS.	TOTAL
JULY	0	16	2	0	18	3	24	3	0	30	11	40	×	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	11	34	0	0	35	3	48	0	0	51
MAY.	1	21	0	0	22	8	39	1	11	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

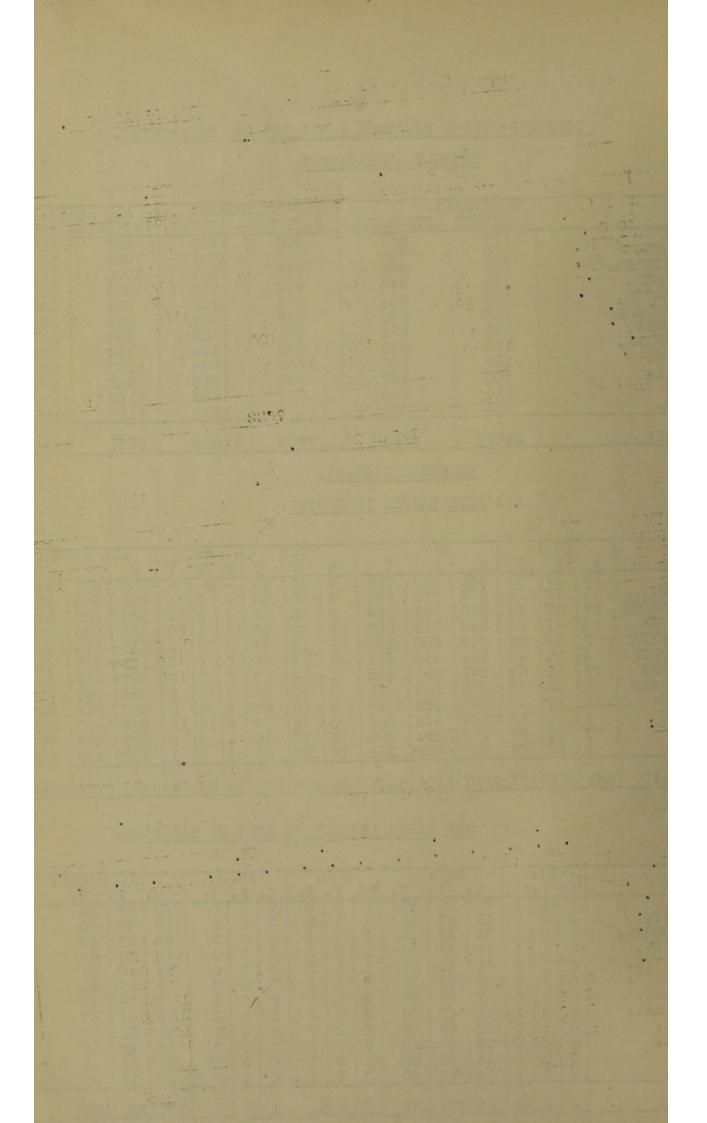


- 45 -

BOKSBURG-BENONI HOSFITAL : OUT PATIENT DEPARTMENT.

				MON	THLY A	ATTEND.	ANCE								
				TOPEAN LENTS		NDANCE		ION-E ATIE			NS. TTENI	D.	ALL		ES. ATTEN.
JULY AUGUST. SEPTEMBER. OCTOBER. NOVEMBER. DECEMBER. JANUARY. FEBRUARY. MARCH. APRIL. MAY. JUNE.	•			12 12 15 53 29 55 29 55 29 55 29 55 29 55 29 55 29 55 29 55 29 55 29 55 55 55 55 55 55 55 55 55 55 55 55 55		244 329 276 204 365 273 365 273 339 300 167 280 339		309 917 755 950 301 267 221 239 1008 836 936 833			390 341 181 750 763 487 102 134 784 510 505 539		483 1029 1000 1103 493 423 350 434 1207 941 1150 1118		2577 1885 1510 2026 2667 2352 2075 2075 2073 2084 1677 1785 1878
TOTAL:			21	09	6	503	-	7622	3	180	086		9731		24589
			(a		ENDAN	L DISE CES IN		ITHS.							-
9	M	EUR	• T	M	NAT F	T	М	COL	' T	M	AS.	Ť	M	F	CES. T
JULY AUGUST SEPTEMBER OCTOBER NOVEMBER DECEMBER JANUARY FEBRUARY MARCH APRIL MAY JUNE	12 11 27 14 7 4 25 8 13 4 7 9	27 15 47 41 23 18 38 22 27 14 20 20	39 26 74 55 30 22 63 30 40 18 27	331 272 348 352 210 105 271 208 258 269 266 337	558 633 536 515 280 346 295 253 468 414 454 429	869 905 884 867 490 451 566 461 726 683 720 766	763618124873	46 30 19 22 13 13 14 30 10 19 12 16	536 22 38 24 21 15 32 27 19 29	124920035211	00000	144020058261	-350 291 382 401 230 117 297 221 280 283 281 360	631 680 579 316 377 347 307 516 457 491 465	984 980 546 494 644 528 796 740 772
TOTAL:	141	312	453	3227	5181	8408	86	252	338	39	23	62	3493	5768	9261
				-		SES (E					TO H	OSF			1910
JULY AUGUST. SEPTEMBER OCTOBER. NOVEMBER. DECEMBER. JANUARY. FEBRUARY. FEBRUARY. MARCH. APRIL. MAY. JUNE.	•	IO	RF202111011002	M. 21 11 22 15 10 3 7 11 23 15 14	47 23 21 40 23 38 43 29 25 28	T. M 65 0 58 1 45 0 50 1 26 0 45 0 54 2 52 0 40 0 42 1 32 0	01121100200		M000000000000000	A FOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOO	T.00000001000			60 49 40 53 28 45 56 40 43	-
TOTAL:		4	9 13	166	379 5	45 6	9	15	1	0	1	17	7 397	574	

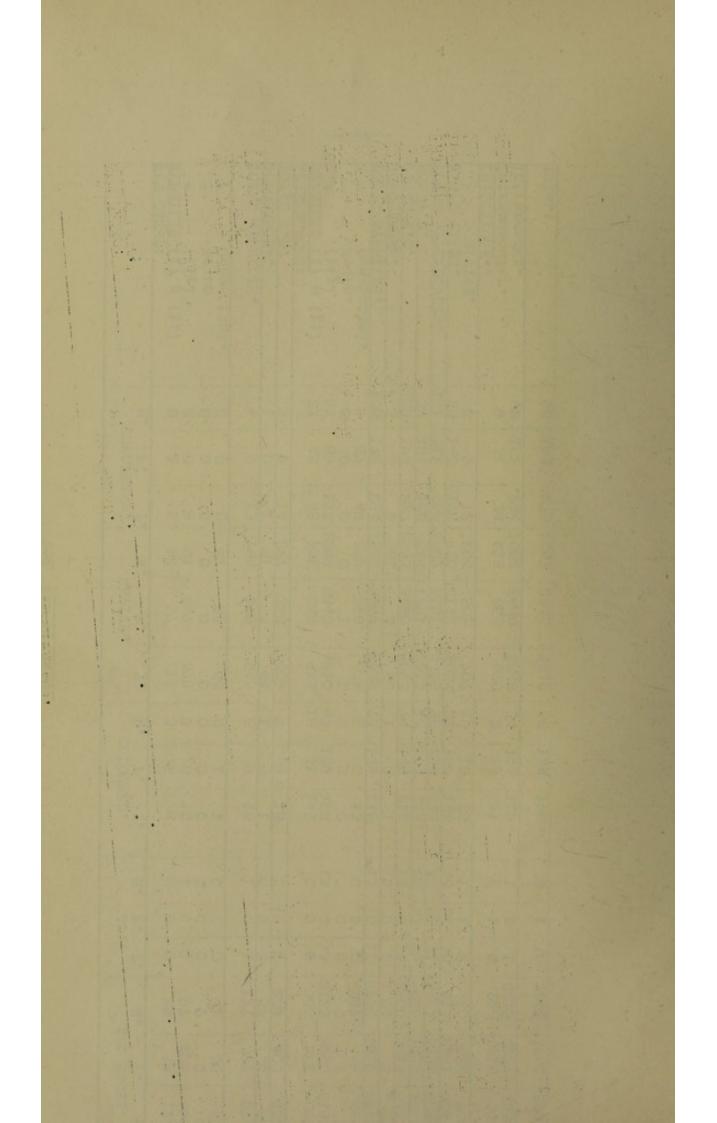
MONTHLY ATTENDANCES.



TOTAL:	INJECTIONS. Intramuscular. Intravenous.	W.R'S TAKEN. " POSITIVĘ.	NON V.D. TOTAL ATTENDANCES.	TOTAL V.D.	GONORRHOEA.	TOTAL SYPHILIS.	" Congenital.	" Neuro .	SYPHILIS (1) & (11)	ATTENDANCES:	TOTAL V.D.	GONOHRHOEA.	TOTAL SYPHILIS.	" Congenital.	" Neuro	" (111)	NEW CASES: SYPHILIS (1) & (11)	
36	36	35	141	60T	3	106	00	000	23	2	IJ	I	44	0	0	2		м.
183	31 152	143 9	312	178	0	178	47	0	42		9	0	9	0	0	. 6	3	EUROPEANS. F. T.
278	34 244	178	453	287	3	284	47	1	172	-	14	1	13	0	0	8	σı	ANS.
278 2081	215 1866	830	3227	2603	19	2542	239	0004	1066	2	227	61	166	13	0	16		M.
3335	655 2680	2192	1815	3490	3	3487	396	1	2948	2	382	3	379	35	0	287	57	NATIVE. F.
5416	870 2546	3022	8408	6093	64	6029	635	1	4810	1	609	64	545	56	0	378	111	
56	54	10	98	74	1	73	8	0	47	2	7	1	6	0	0	3	63	H.
134	29	122	252	145	0	145	IJ	0	109	3	9	0	9	1	0	53	IJ	COLOUR F.
190	31 159	144	338	612	L	818	13	0	156	2.2	16	1	15	1	0	6	8	RED. T.
9	нω	1	38	D'T'S	0	13	0	0	130	,	1	0	1	0	0	1	0	M.
L	OH	24	203	200	0	0	0	0	00	>	0	0	0	0	0	0	0	FAS
10	10	22			1						I	0	1	0	0	.1	0	E.
2241	228 2013	81.3			÷						239	59	177	21	0	70	59	N. A
3653	716 2937	2481 526	5768	1055	C. C. LUCA	3810	448	1	3040	107	400	3	397	36	0	296	65	ALL RA
5894	944 4950	3394 746	9261	PR48	1.9	6546	695	1	5163	100	639	GO	574	57	0	393	124	RACES. F. T.

(c) ALL CLINICS.

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-	4	7	-	
	-			

The Manual States	EU	ROPEAN.		NC	N-EUROPE/	N.		ALL RACE	s.
	NEW CASES	ATTEND- ANCES	TAL.	NEW CASES	ATTEND- ANCES.	TO- TAL	NEW CASES	ATTEND- ANCES.	TO- TAI
JULY. AUGUST. SEPTEMJER. OCTOBER. NOVEMBER. DECEMBER. JANUARY. FEBRUARY. MARCH. APRIL. MAY. JUNE.	r -1001040242000	14 11 14 9 12 12 10 15 15 13 11 14	21 16 23 14 16 27 19 26 23	00-1-22-4-22-1-2	n O N 4 n r 4 い い の n の	3036611688043	7 10 11 12 9 7 10 5 10 14	17 11 16 13 21 19 14 20 21 14 22	24 16 202 31 27 30 26 24 36
TOTAL:	77	150	227	30	58	88	107	208	315

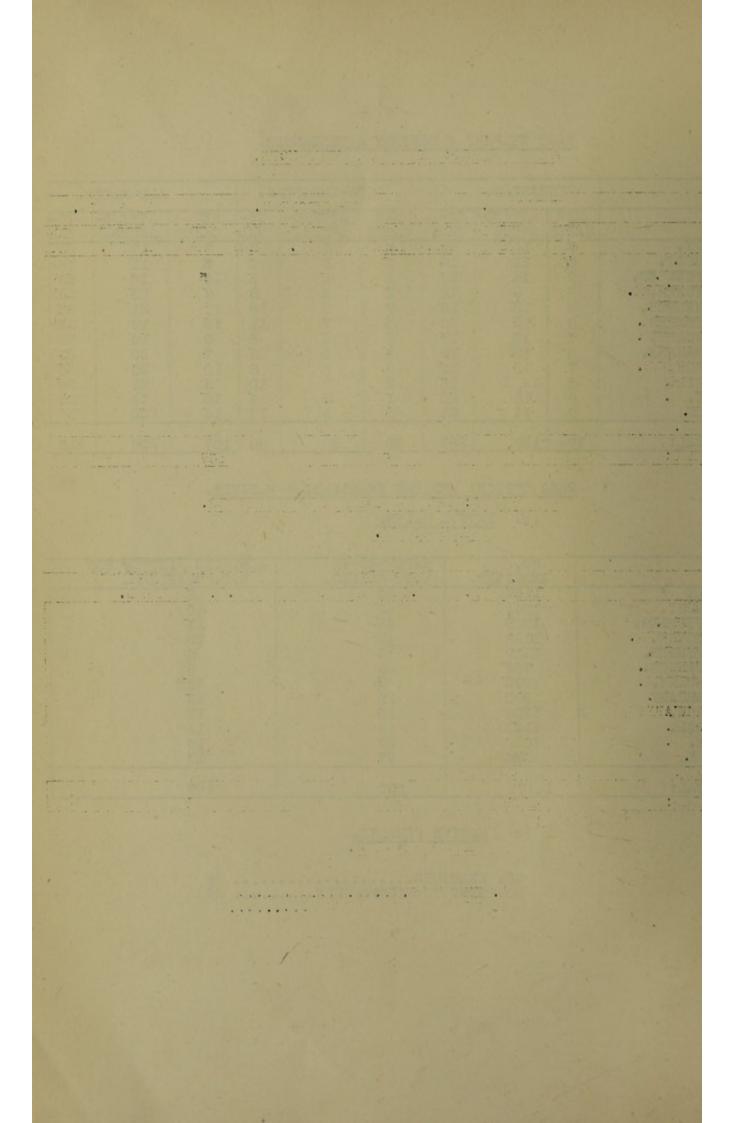
RACE WELFARE : MONTHLY ATTENDANCES.

PASS OFFICE: MEDICAL EXAMINATION NATIVES.

(a) NATIVE MALES.

and the second	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 6
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:	14276	500	167

(b) NATIVE FEMALES.

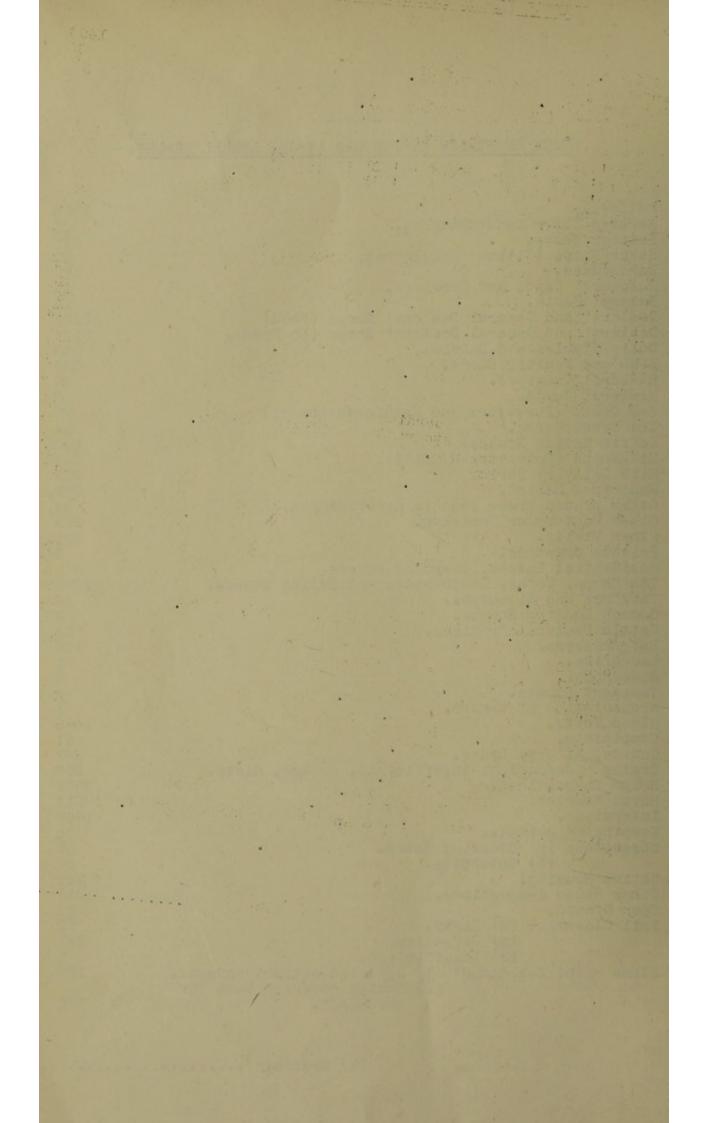


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-	4	H.	-
	-	U	

YORK 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 (Furveyors 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.	1331
Sideshows.	2
Tenement Houses.	ĩ
Accumulation of manure. 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
Oran Amound	96
Pail Closets - (a) Dirty.	39
(b) Defective.	161
Pail Closets - (a) Dirty. (b) Defective. (c) Insufficient.	1
Plans - (a) Buildings: (1) Approved without comment. (2) Number referred back for	322
amendment.	120

(b) Drainage/.....



WORK OF HEALTH INSPECTORS (TOWN) ANNUAL REPORT CONTINUED.

(b) Drainage : (1) Approved without comment. (2) Number referred back	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. (c) Insufficient.	443
	23
Licences - (1) Applications received.	327
 (2) Applications approved without comment. (3) Applications subject to conditions. 	231 74
 (3) Applications subject to conditions. (4) Applications not in order. 	
(5) Applications withdrawn.	8 7 7
(6) Applications in abeyance.	7
Stopped drains.	25
Unauthorised structures.	2
Undrained premises.	7
Structural defects to premises.	16
Other defects.	10
	and the second

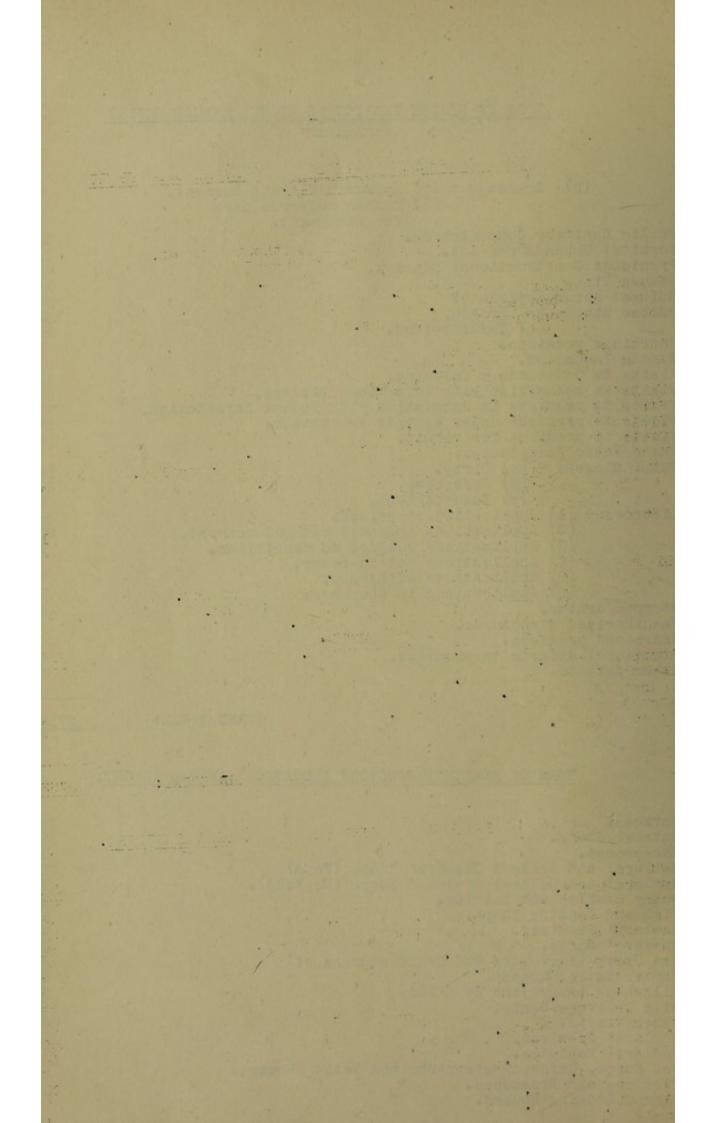
GRAND TOTAL:

37537

WORK OF HEALTH INSPECTORS (LOCATION) ANNUAL REPORT.

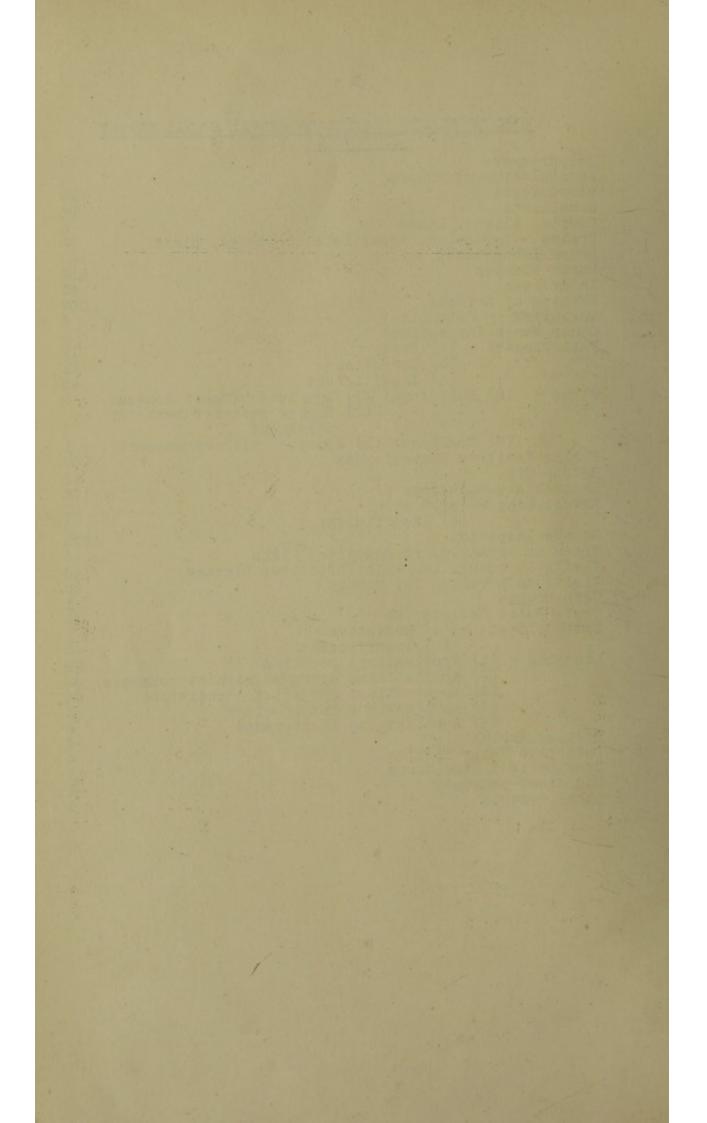
	390
Notices. Butcher Shops.	321
Bakehouses.	30
Dealers' and General Dealers' Shops (Food)	254
Dealers' and General Dealers' Shops (No Food).	34 28
Dairy Stables and Dairies. Fish and Poultry Shops.	86
Hawkers' Premises.	44
Hawkers' Carts.	33
Ice Cream (Purveyors and Manufacturers of)	38
Kaffir Eating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

Hairdressers/.....



CONTINUED	
Hairdressers 74	
Accumulation of manure	
Blood Tests 92	
Complaints 94	
Courts, Alleys, Lanes	
Drains - defective, insufficient, choked, dirty 33	
House Inspections 43 Horse Stables 155	
Interviews 60	
Keeping of Animals 307	
	6
	9
Pail Closets - (a) Dirty 17	7
(b) Defective 31	
(c) Insufficient 46	
a store for the store st	8
	1
(b) Drainage: (1) Approved without comment	
	_
Public Sanitary Conveniences 209 Refuse Tips 13	
Refuse: Accumulations of 130	
Refuse bins - (a) Broken 50	-
	3
Stands Inspected 1672	2
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	5
Water closets - (a) Defective (b) Insufficient	12
Licences - (1) Applications received 99	
(2) Applications approved without comments 62	
(3) Applications subject to conditions 22	
(4) Applications not in order 10	0
(5) Applications in abeyance	54
Stopped drains 4	1
Defective Water Fittings	4
Unauthorised structures 13	
Undrained premises 1 Other defects 4	1
Coner delects	I

WORK OF HEALTH INSPECTORS (TOWN) ANNUAL REPORT



- 51 -FOODSTUFFS CONDEMNED.

(FROM FOOD SHOPS, MUNICIPAL MARKET, ETC.)

FRUIT AND VEGETABLES.

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

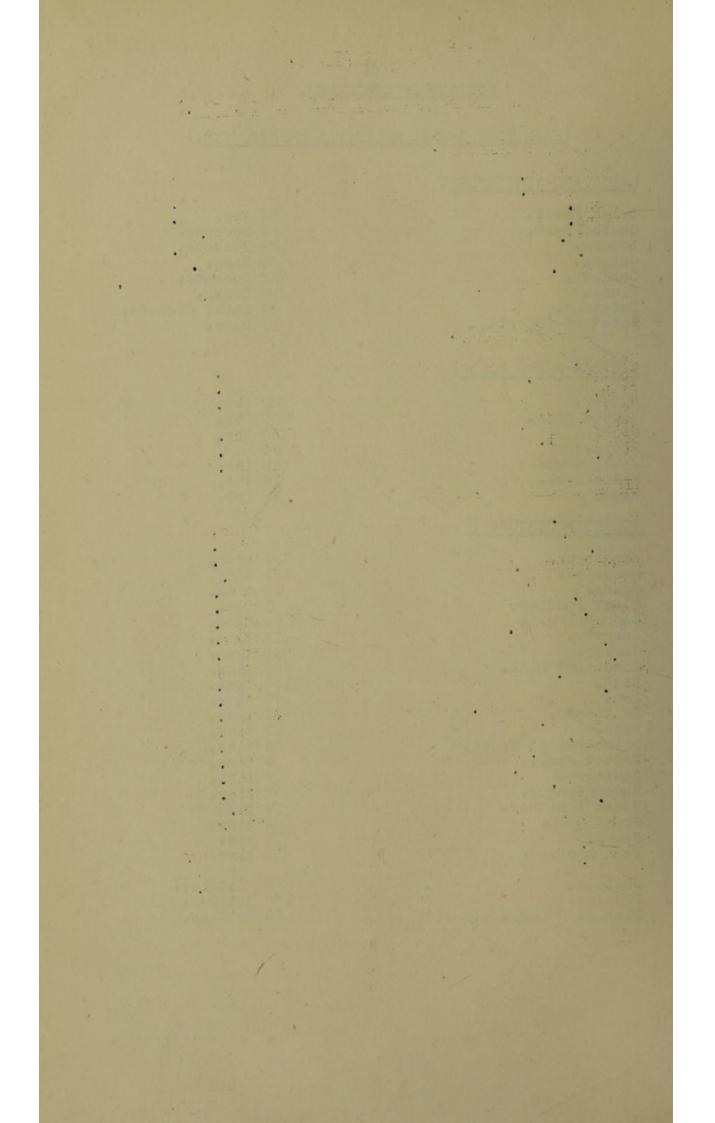
TINNED FOODSTUFFS.

and the second se	
Asparagus.	
Assorted.	
Beans.	
Black Pudding.	
Canned Fruit.	
Carrots.	
Caviar.	
Condensed Milk.	
Fish.	
Jam.	
Ox Tongue.	
Peas.	
Pilchards in Sauce.	
Potted Meal.	
Sausages.	
Sheep Tongue.	
Steak & Kidney.	
Sweet Corn.	
Syrup.	
Veal Loaf.	
Chutney.	

Pickles. Pickled Onions. 490 lbs, 23 155 lbs, 10 lbs, 12 lbs, 12 lbs, 121 tins, 16 tins, 1 tin, 54 tins, 13 tins,

TO	GTUS.
282	tins.
23	tins.
133	tins.
75	tins,
2	tins.
53	tins,
84	tins.
9	tins.
8	tins,
2	tins.
57	tins.
4	tins.
1	tin.
6	tins.
5	Bottles
138	Bottles.

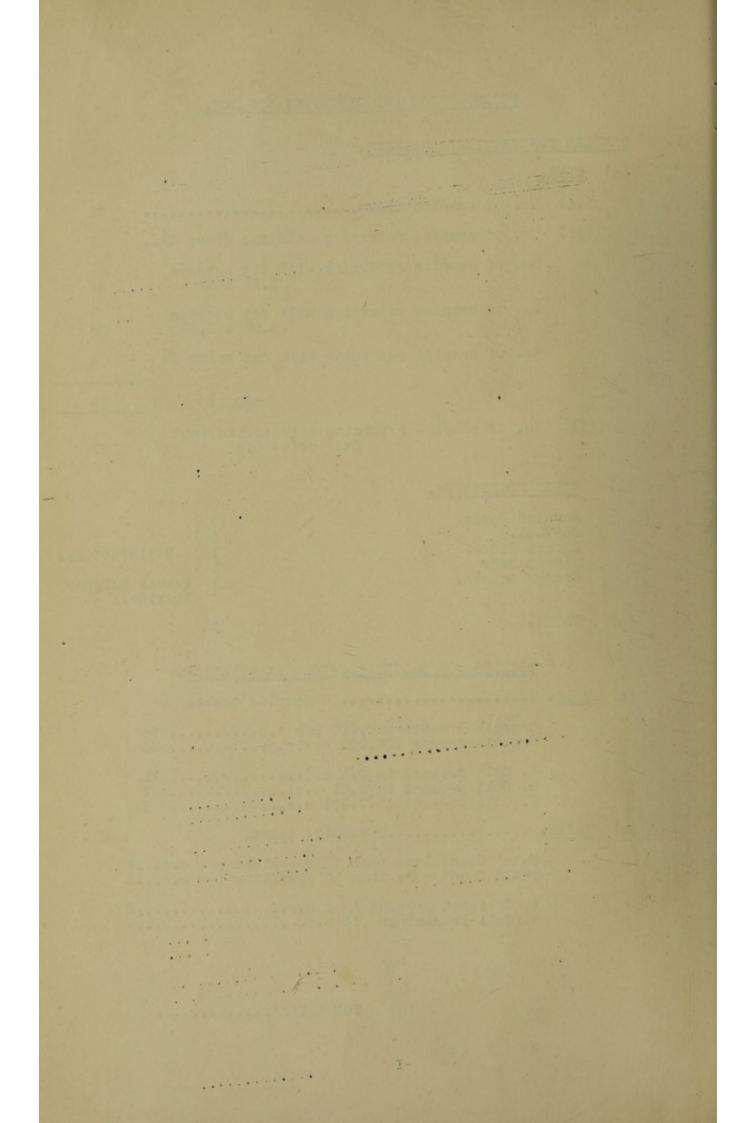
138 Bottles. 10 Bottles.



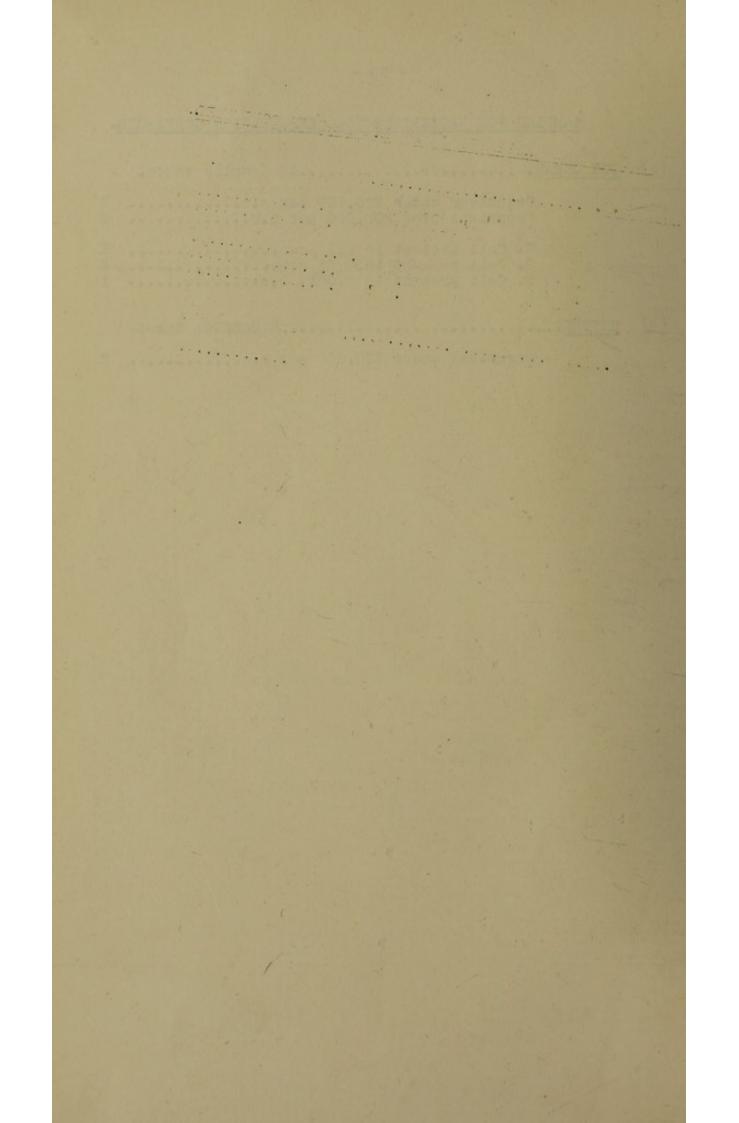
FOODS, DRUGS AND DISINFECTANTS ACT.

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1. SAMFLES FOR CHEMICAL ANALYSIS. (a) MILK. (1) No. of samples taken 73 (11) 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 (111) No. of samples returning milk solids (not Fat) below 8.5 27 (b) OTHER FOODSTUFFS. Aerated Water 3 1 Cordial. 1 Cherry Cider. Satisfactory. Ginger Beer 1 1 Orange Squash. Excess Sulphur Dioxide. (c) 2 WATER. SANTLES FOR BACTERIOLOGICAL EXAMINATION. (a)84 Samples taken. MILK. .. Organisms under 200,000 per c.c..... 54 Organisms over 200,000 por c.c..... 30 B, Coli present in C.1 c.c.,,,..... 21 B. Coli present in 0.01 c.c..... 7 B. Coli present in 0.001 c.c..... 5 (b) 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.....



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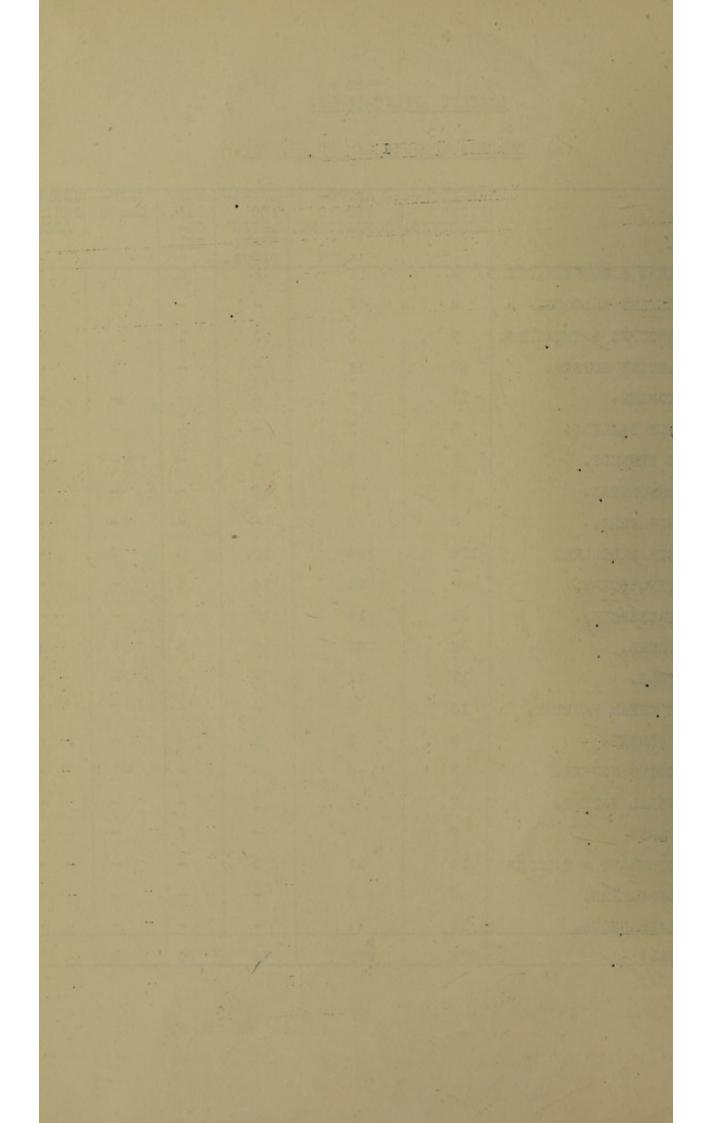


- 54 -LICENCE APPLICATIONS.

A

(a) <u>DEALERS (WHOLESALE AND RETAIL)</u>.

	APPLICA- TIONS RECEIVED.	APPRO- VED NO CONDITIONS.	APPRO- VED AFTER CONDI- TIONS.	NOT IN OR- DER.	WITH- DRAWN	INSUF- FICIENT ADDRESS.
BAKERS & CONFECTIONERS	3	1	1	0	1	0
BILLIARD SALOONS.	2	2	-	-	-	-
BIOSCOPES & THEATRES.	7	3	3	ļ	-	-
BOARDING HOUSES.	12	11	-	-	l	
BUTCHERS.	11	7	4	-	-	-
CYCLE DEALERS.	3	3	-	-	-	-
DOG KENNELS.	. 3	2	l	-	-	-
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	ŗ
HOTELS.	11	11	-	-	-	-
ICE CREAM HAWKERS.	10	8	-	-	2	+
LAUNDRIES .	6	5	ļ	-	-	+
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

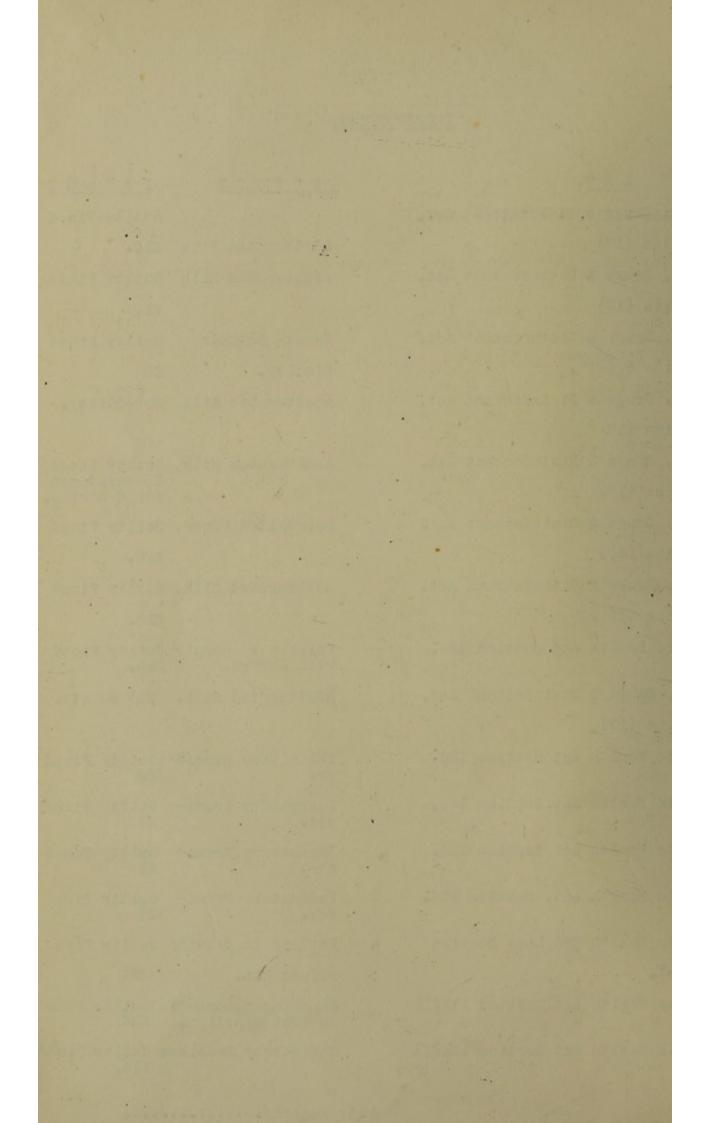


PROSECUTIONS.

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

Public Health/.....

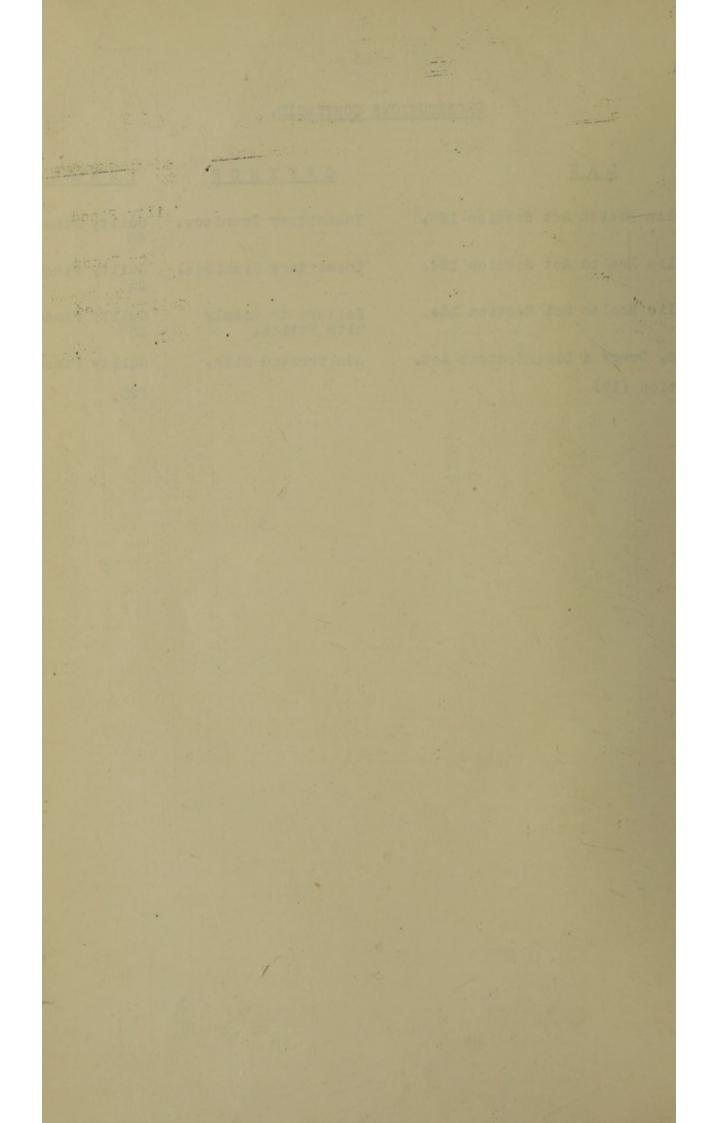
- 55 -



PROSECUTIONS CONTINUED.

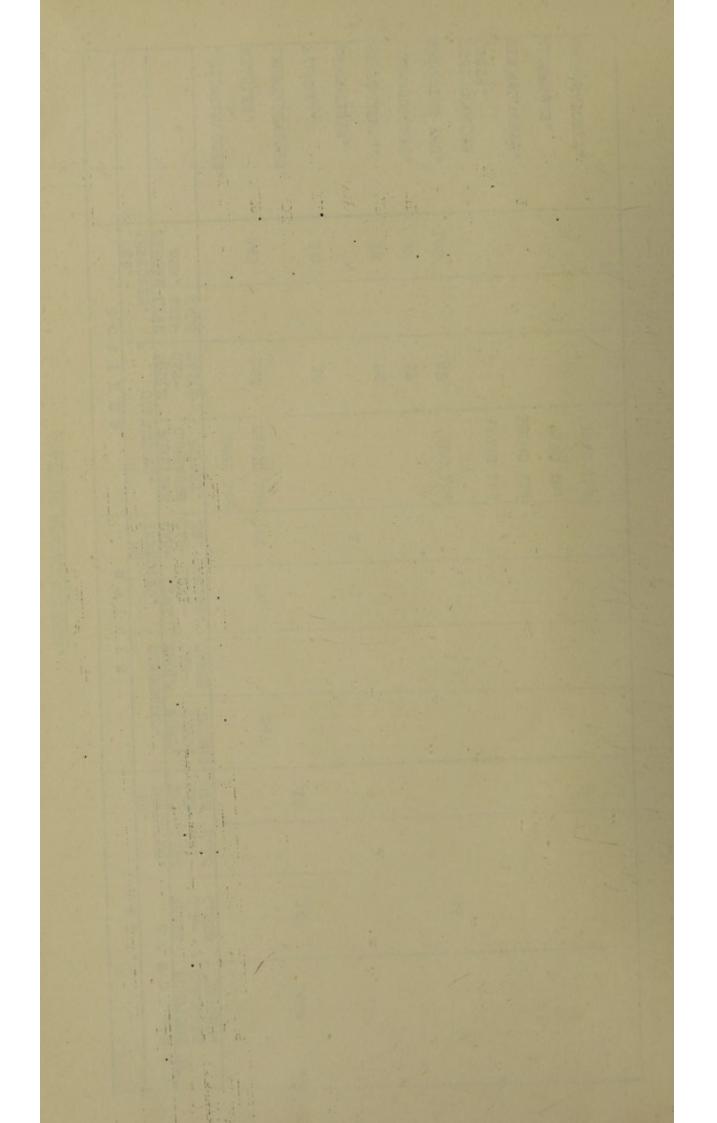
LAV	OFFENCE	FENALTY
Public Health Act Section 124.	Insanitary Premises.	Guilty Fined £5
Public Health Act Section 124.	Insanitary Promises.	Guilty Fined £5
Public Health Act Section 124.	Failure to comply with Notice.	Guilty Fined £5
Food, Drugs & Disinfectant Act.	Adulterated Milk.	Guilty Fined
Section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

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ANGIOMATOSIS.	ABSCESSES .	DISTOMATOSIS.	ECHINOCOCCUS CYSTS.	BRUISING ETC.	TUBERCULOSIS.	SEPTICAEMIA.	SARCOCYSTS.	PYAEMIA.	LYMPHADENITIS.	MEASLES .	ACTINOMYCOSIS.			
				182	37	25		10		643		CARCAS SES.	NO. INFECTED.	
				. 25	1							ANI- MALS		BOI
				182	37	25		10 .		103		CAR- CAR- CASES	CON	VINE
1740 lbs	7170 lbs	18580 lbs	11746 lbs	265 lbs		1				51860 lbs	2695 lbs	CARCASES	CONDEMNED.	
						5	Ļ			72		CAS- ES.	INFECTED.	
							1			56		ANI- MALS.	TED.	SWIN
				1		-						CAR- CASES	CONDEMNED	[13] CO
										347		CARC. WEIGHT	NED.	
									16			CAS-	INFECTED	
												ANI-	TED.	ca.
				84					16			CAR- CASES	C O	HEEP.
									2457			CARCASES WEIGHT.	N D E M N E D	



						a president and				
(A)	SLA	UGH	TERI	NG.	BY-PRODUCTS	IN LBS	. (PRODUCED).			
	OXEN	SHEEP	CALVES	PIGS.	BLOOD MEAL	MEAT M	EAL. FAT.			
JULY 1946 AUGUST SEPTEMBER OCTOBER NOVEMBER DECEMBER JANUARY 47 FEBRUARY MARCH APRIL	2362 2950 2829 1805 2167 2932 2562 2739 2403 2304	3925 3670 1791 1922 1003 787 1433 1767 2513 3436	123 89 133 100 130 84 115 96 89 103	81 79 96 181 198 115 173 67 82 126	20,000 lbs 20,000 lbs 12,000 lbs 10,000 lbs 22,000 lbs 18,000 lbs 14,000 lbs 16,000 lbs 14,000 lbs	6,100 	lbs 3300 lb lbs 820 lbs lbs 1210 lb lbs 1220 lb			
MAY JUNE	2603	1383	140	47 96	14,000 1bs	12,000	1bs 1220 1b 1bs 660 1bs			
TOTALS:	30261		1360	1341			1bs11750 1b			
(B) <u>R E V E N U E</u> . 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.										
(07 1412										
	ME	EASLES.					T.B.			
		DLDSTOR.	AGE.	CONDI	EMNED		DEMNED			
	Total	the second second second second second second	entage	Total	Percentage	Total	Percentage			
OXEN.	540		12.	103	,34	37 .	.12			

ABATTOIR ANNUAL RETURNS CONTINUED.

23 1.7 56 4.1 PIGS.

(D) MEASLY CARCASSES TO COLD STORAGE.

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

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Nil.

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VERMIN CONTROL.

A. RODENTS.

Domestic	Rats	(Ratus	Ratus),	•••		 	 • •	 893
Domestic Gerbilles	s (Tat	eroma	Lobeng	ula	1)	::	 	::	 539

- (b) NO. OF HOLES TREATED 29,189.
- (c) AMOUNT OF MATERIAL USED:-

Cyanogas	lbs.
Poisoined Wheat 380	lbs.
	lbs.
Strychnine 1	1b. 10 ozs.

B. FLY CONTROL.

NO. OF	PREMISES	SPRAYED	WITH	D.D.T 119.

Land (Table Contract of Contra and the second sec . Artistic and a second s . x.

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CLIMATIC DATA.

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

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	MEAN MAX	MEAN MIN.	ABSOLUTE MAX	ABSOLUTE MIN.	SUNSHINE HOURS PER	MEAN DAILY	RAI FAI	
					DAY.	REL HUMIDITY	ins.	DAYS.
JULY AUGUST. SEPTEMBER. OCTOBER. DECEMBER. JANUARY. FEBRUARY. MARCH. APRIL MAY JUNE.	65.2 67.8 77.4 78.6 78.7 81.1 80.1 80.1 75.8 72.4 66.9 62.2	38 6 40 4 51 2 53 5 55 8 59 4 55 6 2 59 4 55 4 52 4 52 4 38 9	71.8 79.0 83.7 88.0 88.8 90.0 88.0 86.8 83.0 82.1 72.9 68.5	18.7 30.2 34.2 44.9 46.8 44.2 52.8 55.1 47.9 38.6 33.0 25.2	9.9 10.5 10.1 9.2 10.1 8.9 8.5 8.5 9.6 8.8	46 43 42 55 61 60 68 68 67 70 57 57	0.00 0.05 1.71 4.47 5.14 5.56 4.94 4.88 1.14 0.05 0.05 0.05	0 2 9 14 9 14 14 12 7 1 0

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

