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Contributors

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URBAN DISTRICT COUNCIL

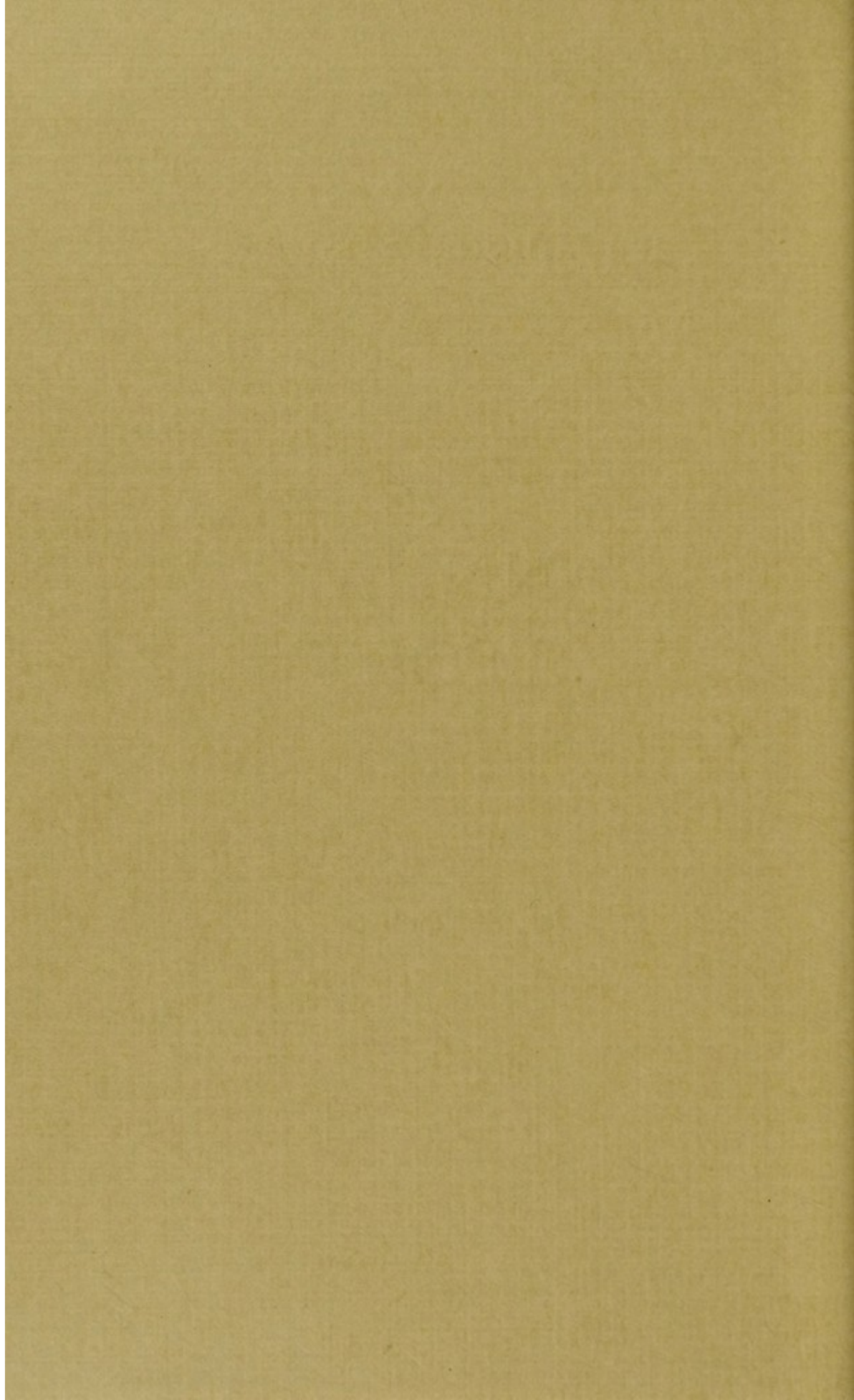
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ANNUAL REPORT

of the
Medical Officer of Health

For the Year 1954

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Urban District of Desborough

Members of the Public Health Committee : 1954 - 55.

COUNCILLOR J. GOULD (Chairman), COUNCILLORS MRS. A. B. LOCK, MRS. G. A. PANTER, S. L. KILBORN, W. MANTON, A. H. NOON AND H. W. TAILBY.

Public Health Officers of the Local Authority :

Medical Officer of Health,

JAMES CARROLL, M.B., B.CH., B.A.O., L.M., D.P.H.,
D.CH.

Also Holds the appointments of

Medical Officer of Health, Burton Latimer Urban District Council.

Medical Officer of Health, Corby Urban District Council.

Medical Officer of Health, Rothwell Urban District Council.

Medical Officer of Health, Kettering Rural District Council.

Assistant County Medical Officer of Health.

School Medical Officer to the Northamptonshire County Council.

Secretary :

MISS M. W. LANGLEY

Surveyor and Sanitary Inspector :

J. HOLDSWORTH, M.R.SAN.I., M.S.I.A., CERT. MEAT AND FOODS, R.S.I.

Public Health Department,
75 London Road,
KETTERING.

June, 1955.

*To the Chairman and Members of the
Desborough Urban District Council.*

MR. CHAIRMAN, LADIES AND GENTLEMEN,

I have the honour to present my first Annual Report on the Health and Sanitary Circumstances of the Urban District for the year 1954.

Dr. J. T. Murphy, your former Medical Officer of Health, resigned during the year and I commenced duty on 1st May, 1955.

The Vital Statistics for the year under review were as follows:— The birth-rate 12.44 showed a fall on that for the previous year when it was 15.18. The birth-rate for England and Wales for 1954 was 15.2. The death-rate, 8.63 showed a decrease on the previous year when it was 9.06 but it is lower than the rate for England and Wales, which was 11.3. No deaths have been recorded under the heading of Maternal Mortality since 1939, which must be considered very satisfactory. The infantile mortality rate for 1953 was 26.32, this year there was no infantile mortality which is highly satisfactory as this rate is a strong indication of the environmental and social conditions of the Urban District.

During the year there was one case of Scarlet Fever which was removed to Hospital. There was one case of Measles. There were three notified cases of Pulmonary Tuberculosis and two deaths from Pulmonary Tuberculosis. One case of Respiratory and one case of Non-Respiratory were removed from the register as cured.

Sections C., D. & E. of the report have been prepared by your Sanitary Surveyor.

I wish to express my thanks to the Chairman and Members of the Council for the good wishes they have kindly extended to me on taking up this appointment and also for the kind consideration and help I have received from the Council Staff.

I have the honour to be,

Your obedient Servant,

JAMES CARROLL,

Medical Officer of Health.

SUMMARY OF VITAL STATISTICS

The following is a summary of the principal statistics for the years
1950, 1951, 1952, 1953 and 1954.

	1950	1951	1952	1953	1954
Area (acres)	2,400	2,400	2,400	2,400	2,400
Population (Registrar-General's Estimate)	4,644	4,690	4,883	4,910	4,940
Number of Live Births	68	58	49	76	58
Legitimate	66	56	48	75	54
Illegitimate	2	2	1	1	4
Birthrate per 1,000 population	14.64	12.36	10.03	15.48	11.74
Number of Still Births	2	3	2	3	3
Legitimate	2	3	2	3	3
Illegitimate	—	—	—	—	—
Rate per 1,000 total (live and still births)	28.57	49.18	39.22	37.97	49.18
Rate per 1,000 population ...	0.43	0.64	0.41	0.61	0.61
Number of Deaths	43	65	50	50	49
Deathrate per 1,000 population	9.25	13.86	10.24	10.18	9.92
Death from Pregnancy, Child-birth and Abortion	—	—	—	—	—
Infantile Mortality rate per 1,000 live births	29.41	34.48	Nil	26.32	—
Neonatal Mortality rate per 1,000 live births	29.41	17.24	Nil	—	—
Deaths from all forms of Tuberculosis	—	1	1	1	2
Deaths from Pulmonary Tuberculosis	—	1	1	—	2
Deaths from Malignant Neoplasms	5	13	14	6	10
Deaths from Measles (all ages)	—	—	—	—	—
Deaths from Whooping Cough (all ages)	—	—	—	—	—
Deaths from Enteritis and Diarrhoea under two years of age	—	—	—	—	—
Deaths from Acute Poliomyelitis and Polioencephalitis ...	—	—	—	—	—

BIRTH-RATE, DEATH-RATE AND ANALYSIS OF MORTALITY DURING THE YEAR, 1954

	Rate per 1,000 Total Population		Annual Death-rate per 1,000 Population										Rate per 1,000 live Births	
	Live Births	Still Births	All Causes	Typhoid & Paratyphoid Fevers	Whooping Cough	Diphtheria	Respiratory Tuberculosis	Influenza	Small-Pox	Acute Poliomyelitis and Polioencephalitis	Pneumonia	Diarrhoea & Enteritis under 2 years	Total Deaths under 1 year	
England and Wales ...	15.2	0.36	11.3	—	* 0.00	* 0.00	0.16	* 0.04	—	0.00	* 0.48	* 0.8	25.5	

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Desborough Urban District ...

12.44	0.61	8.63	—	—	—	0.40	0.20	—	—	—	—	—	—
-------	------	------	---	---	---	------	------	---	---	---	---	---	---

The Maternal Mortality rates for England and Wales per 1,000 Total (Live and Still) Births		Due to		Total Maternal Mortality
Maternal Causes excluding Abortion	Abortion	Maternal Causes excluding Abortion	Abortion	
0.58	0.11	0.58	0.11	0.69
—	—	—	—	—

Desborough Urban District ...

* These are an average for the four quarters of 1954

SECTION A. Statistics and Social Conditions.

Area (acres)	2,400
Registrar General's estimated or resident population ...	4,940
Number of inhabited houses, end of 1954	1,588
Rateable Value	£24,887
Sum represented by Penny Rate	£95

The chief occupations of the inhabitants are as follows:—Boot and Shoe manufacture, Corset manufacture, manufacture of Card-board Boxes and Rigid Containers, Ironstone Quarrying and Farming.

Extracts from Vital Statistics for the Year :

LIVE BIRTHS	<i>Total</i>	<i>Males</i>	<i>Females</i>
Legitimate	54	30	24
Illegitimate	4	2	2
TOTALS ...	58	32	26

Birth-rate per 1,000 of the estimated population 11.74

STILL BIRTHS	<i>Total</i>	<i>Males</i>	<i>Females</i>
Legitimate	3	1	2
Illegitimate	—	—	—
TOTALS ...	3	1	2

Rate per 1,000 total (live and still) births 49.18

DEATHS	<i>Total</i>	<i>Males</i>	<i>Females</i>
	49	29	20

Death-rate per 1,000 of the estimated resident population (crude) 9.92

Death-rate per 1,000 of the estimated population (corrected) 8.63

Death from Pregnancy, Childbirth and Abortion —

Death-rate of infants under one year of age:—

All infants per 1,000 live births —

Legitimate infants per 1,000 live births —

Illegitimate infants per 1,000 illegitimate live births —

Deaths from Measles (all ages) —

Deaths from Whooping Cough (all ages) —

Deaths from Enteritis and Diarrhoea (under two years of age) —

Deaths from Malignant Neoplasms 10

Deaths from Acute Poliomyelitis and Polioencephalitis —

Deaths.—Comparability factor for 1954 was 0.87. The crude death-rate per 1,000 population for 1954 was 9.92 which multiplied by the comparability factor of 0.87, supplied by the Registrar-General, gives a corrected death-rate of 8.63. This death-rate of 8.63 is the rate which, it is assumed, would be arrived at if the age and sex distribution of the population of Desborough Urban District were distributed in the same proportions as that of England and Wales as a whole.

LIVE BIRTH RATES, 1954

A comparability factor has been issued for 1954 by the Registrar General, which allows for the different age and sex distribution of Desborough and provides a basis for comparison with that of England and Wales as a whole.

Desborough	...	...	...	...	11.74
Desborough corrected by comparability factor 1.06	...	...	...	...	12.44
England and Wales	...	...	...	...	15.2

INFANTILE MORTALITY RATES, 1954

Infantile mortality is the number of deaths in children under one year of age per 1,000 live births. This is an indication of the environmental and social conditions of a community with special reference to housing, overcrowding and maternity and child welfare.

Desborough	...	...	...	...	—
England and Wales	...	...	...	...	25.5

The registered causes of death were as follows:—

	<i>Males</i>	<i>Females</i>	<i>Total</i>
All causes	29	20	49
1. Tuberculosis, respiratory	1	1	2
2. Tuberculosis, other	—	—	—
3. Syphilitic disease	—	—	—
4. Diphtheria	—	—	—
5. Whooping cough	—	—	—
6. Meningococcal infections	—	—	—
7. Acute poliomyelitis	—	—	—
8. Measles	—	—	—
9. Other infective and parasitic diseases	1	—	1
10. Malignant neoplasm stomach	—	1	1
11. Malignant neoplasm lung bronchus	—	—	—
12. Malignant neoplasm breast	—	—	—
13. Malignant neoplasm uterus	—	1	1
14. Other malignant & lymphatic neoplasms	6	2	8
15. Leukaemia, aleukaemia	—	—	—
16. Diabetes	—	—	—
17. Vascular lesions of nervous system	6	2	8
18. Coronary disease, angina	4	—	4
19. Hypertension with heart disease	—	1	1

Registered causes of deaths— <i>Continued.</i>				<i>Males</i>	<i>Females</i>	<i>Total</i>
20.	Other heart disease	...	...	4	6	10
21.	Other circulatory disease	...	...	3	1	4
22.	Influenza	...	...	1	—	1
23.	Pneumonia	...	...	—	—	—
24.	Bronchitis	...	...	—	—	—
25.	Other disease of the respiratory system			—	—	—
26.	Ulcer and stomach duodenum	...		—	—	—
27.	Gastritis, enteritis and diarrhoea	...		—	—	—
28.	Nephritis and nephrosis	...	...	1	—	1
29.	Hyperplasia of prostate	...	...	—	—	—
30.	Pregnancy, childbirth, abortion	...		—	—	—
31.	Congenital malformations	...		—	—	—
32.	Other defined and ill-defined diseases			2	4	6
33.	Motor vehicle accidents	...	...	—	—	—
34.	All other accidents	...	...	—	1	1
35.	Suicide	...	...	—	—	—
36.	Homicide and operations of war	...		—	—	—

SECTION B. General Provision of Health Services.

(a) **Laboratory Facilities.**—Bacteriological examinations are carried out by the Public Health Laboratory at Northampton and by the Laboratory of the Kettering General Hospital.

(b) **Ambulance Facilities.**—The County Council is responsible for Ambulance Services. The St. John Ambulance Brigade carry out the service on behalf of the County Council for non-infectious cases.

(c) **Nursing in the Home.**—The County Council is responsible for the Home Nursing Service.

(d) **Treatment Centres and Clinics.**—A County Council Welfare Clinic is held twice a month. A Medical Officer attends one session a month.

The treatment of Tuberculosis and Venereal Diseases is carried out by the Regional Hospital Board.

DIPHTHERIA IMMUNISATION

The number of children who were immunised in 1954 is as follows:—

Under 5 years of age	...	...	...	30
5 to 15 years of age	...	...	...	2
TOTAL	...	...	...	32
Boosters	...	...	...	38

The number of children who had completed a full course of immunisation at any time up to 31st December, 1954 is as follows:—

Age at 31.12.54	Under 1	1	2	3	4
i.e. Born in Year	1954	1953	1952	1951	1950
No. immunised	6	58	43	47	57
Age at 31.12.54	5 - 9	10 - 14	Total		
i.e. Born in Year	1945 - 49	1940 - 44	Under 15		
No. Immunised	211	192	614		

WHOOPING COUGH VACCINATION

	Under 1	1 - 4	5 - 14	Total
Whooping Cough only	—	—	—	—
*Combined Diphtheria/Pertussis ...	72	24	6	102

*The combined Diphtheria/Pertussis figures are included in the figures for Diphtheria Immunisation.

VACCINATION

The following table gives the number of vaccinations undertaken during the year:—

	Under 1	1 - 4	5 - 14	15 or over	Total
Primary	17	—	2	5	24
Re-vaccination	—	—	—	3	3

National Assistance Act, 1948, Section 47.—No formal action was taken during the year.

SECTION C.

Sanitary Circumstances of the Area and Inspection of Food

Report by

J. HOLDSWORTH,

M.R.SAN.I., M.S.I.A., CERT. MEAT AND FOODS, R.S.I.

SURVEYOR AND SANITARY INSPECTOR

I have the honour to submit my report for the year 1954.

Water Supply.—The Mid Northamptonshire Water Board has maintained a good supply of water both in quantity and quality throughout the year.

Bacteriological examinations of the supply were made by the Board weekly and the results were very satisfactory. The water is very hard and has no plumbo-solvent action.

The whole of the population is served by the public piped supply with the exception of four farms which are a long distance from the service mains. About one-eighth of the houses and population, mostly

in the old portion of the town, are served by standpipes in the yard or at the rear of houses. The water service to the other houses is direct.

Drainage and Sewerage.—One sludge bed was enlarged and under-drained. Sludge channels were cleaned out, and additional channels made.

SECTION D. Public Health and Housing Acts.

Sanitary Inspections of the Area.—During the year 195 inspections were made, and 187 nuisances were abated by informal action. No statutory Notices were served. The nuisances referred mainly to minor housing structural defects and drainage.

In addition to the foregoing, 403 complaints were received from tenants of Council Houses relating to defects. In each case appropriate action was taken.

Public Health and Housing Acts.—Work under these Acts for the purpose of rectifying defects and abating nuisances has been continued throughout the year and the following tables give details of the routine work carried out:—

(1)	Inspection of dwelling houses during the year:—	
1.	(a) No. of houses inspected for defects ...	195
	(b) Inspections made for the purpose ...	209
2.	(a) No. of houses inspected and recorded under the Housing Consolidation Regulations ...	—
	(b) Inspections made for the purpose ...	—
3.	No. of houses found to be in a state dangerous or injurious to health so as to be unfit for human habitation ...	—
4.	Dwelling houses (exclusive of those under preceding head) not in all respects reasonably fit for human habitation ...	—
(2)	Remedy of defects during the year without service of formal notice:—	
	No. of defective dwellings rendered fit in consequence of informal action by the Local Authority or their Officers ...	187
(3)	Action under Statutory Powers:—	
(a)	Proceedings under Sections 9, 10 and 16 of the Housing Act, 1936:—	
1.	No. of houses in respect of which notices were served requiring repairs ...	—
2.	No. of dwelling houses which were rendered fit by owners or the Local Authority after service of formal notice ...	—
(b)	Proceedings under Public Health Acts:—	
1.	No. of dwellings in respect of which notices were served requiring repairs ...	—

- | | | |
|-----|--|-------|
| 2. | No. of dwelling houses in which defects were remedied after serving notices | ... — |
| (c) | Proceedings under Section 11 and 13 of the Housing Act, 1936:— | |
| 1. | No. of dwelling houses in respect of which demolition orders were made | ... — |
| 2. | No. of houses demolished in pursuance of demolition orders | ... — |
| 3. | No. of houses closed in pursuance of an undertaking given by owners under Section 11, and still in force | ... — |

Housing.—Four houses were completed during the year by the Council. The total number of post war houses completed by the Local Authority, all by local labour, at the end of the year was 170. Ten houses were completed during the year by private enterprise.

The Council had twelve houses, and private enterprise ten in course of construction at the end of the year.

Rats and Mice Destruction Act.—The house refuse tip and sewage disposal works have been treated at intervals during the year. Both sites have been kept free of rats. No infestation has been noted in the sewers.

Factories Act, 1937.—39 inspections of factories were made. No nuisances were noted. The number of Outworkers in August, 1954 was 78.

SECTION E. Inspection and Supervision of Food.

Milk and Dairies Regulations, 1949.—There are four dairies registered under the above regulations. All are kept in a satisfactory condition.

Meat.—When controls were removed in July, 1954, three slaughterhouses in the area were brought into use. All are kept in a satisfactory state. A wholesale business is carried on from one of the slaughterhouses, and consequently, the inspection of meat takes up a large proportion of my time.

I give below a table setting out the number of animals killed, the number inspected and the number affected with disease.

The total weight of meat or offal condemned as a result of inspection was 5 tons 6 cwts. 0 qrs. 7 lbs. of that amount 3 tons 9 cwts. 0 qrs. 17 lbs. were affected with tuberculosis.

CARCASES INSPECTED AND CONDEMNED

	<i>Cattle excluding Cows</i>	<i>Cows</i>	<i>Calves</i>	<i>Sheep and Lambs</i>	<i>Pigs</i>	<i>Total</i>
Number killed (if known) ...	794	13	35	3581	1164	5587
Number inspected	720	13	35	3074	1064	4906
<i>All diseases except T.B.</i>						
Whole carcasses condemned ...	2	1	—	1	—	4
Carcases of which some part or organ was condemned	110	4	—	50	32	196
Percentage of the number inspected affected with disease other than T.B.	15.55%	38.6%	—	1.65%	3.0%	—
<i>Tuberculosis only</i>						
Whole carcasses condemned ...	3	—	—	—	1	4
Carcases of which some part or organ was condemned	99	2	—	—	34	135
Percentage of the number inspected affected with Tuberculosis ...	14.10%	15.38%	—	—	3.25%	—

Other Foodstuffs Condemned.—3 cwts. 4lbs.

Fish Frying.—The three fish frying establishments were kept in a satisfactory state throughout the year.

Bakehouses.—There is only one bakehouse in the town. It has been kept in a clean condition. Up-to-date sanitary accommodation is provided together with a constant supply of hot and cold water.

Ice Cream.—There are no licensed manufacturers of ice cream in the Urban area. The number of registrations for the sale of ice cream is nine.

Clean Food Campaign.—Notices are continuing to be displayed in all food shops requesting shoppers, in the interests of hygiene, not to bring dogs into the premises. These notices appear to be serving their purpose.

There are 32 foodshops in the town made up as follows:—17 Grocery, 3 Confectionery, 6 Butchers, 3 Greengrocers, 3 Fishfriers. All are kept in a satisfactory condition.

In conclusion, I should like to put on record my thanks for the continued help and support of the Chairman and Members of the Council.

SECTION F. Infectious Diseases.

During the year there were only two notifications. One case of Scarlet Fever, which was removed to Hospital and one case of Measles.

TUBERCULOSIS

Public Health (Prevention of Tuberculosis) Regulations, 1925. These regulations empower the Council to prevent persons suffering from Tuberculosis to engage in the milk trade. No action was taken during 1954.

During the year there were three notified cases of Pulmonary Tuberculosis and two deaths from Pulmonary Tuberculosis. One case of Respiratory and one case of Non-Respiratory Tuberculosis were removed from the register as cured.

The number of cases in the register at the end of 1954 was as follows:—

RESPIRATORY			NON-RESPIRATORY			<i>Grand Total</i>
<i>Males</i>	<i>Females</i>	<i>Total</i>	<i>Males</i>	<i>Females</i>	<i>Total</i>	
11	11	22	3	—	3	25

MASS RADIOGRAPHY SURVEY

30th August—8th September, 1954

PERCENTAGE RESPONSE FIRMS 84% SCHOOLS 73%

Summary of newly discovered Cases of Significant Tuberculosis found in the Desborough Survey.

No. of Newly Discovered Cases of Significant Tuberculosis

<i>Group</i>	<i>No. X-Rayed</i>	<i>Active P.T.B.</i>	<i>Rate per 1,000</i>	<i>Inactive P.T.B.</i>	<i>Rate per 1,000</i>
Firms	1,434	—	—	2	1.39
General Public ...	548	—	—	1	1.82
Schools	67	—	—	—	—
Boot and Shoe (included above)	616	—	—	2	3.25
TOTAL	2,049	—	—	3	1.46

Mass Radiography Survey.—Above is a Summary of the work of the Mass Radiography Survey carried out in Desborough. This is the Fourth Survey in this Urban District and it will be noted that in the Survey there were only three inactive cases of Pulmonary Tuberculosis discovered out of a total of 2,049 films taken. This is a very satisfactory result.

MONTHLY INCIDENCE OF NOTIFIABLE DISEASES (Other than Tuberculosis) 1954

Disease	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Scarlet Fever ...	—	—	1	—	—	—	—	—	—	—	—	—	1
Measles ...	—	—	—	—	—	—	—	1	—	—	—	—	1
TOTALS ...	—	—	1	—	—	—	—	1	—	—	—	—	2

AGE INCIDENCE OF NOTIFIABLE DISEASES (Other than Tuberculosis) 1954

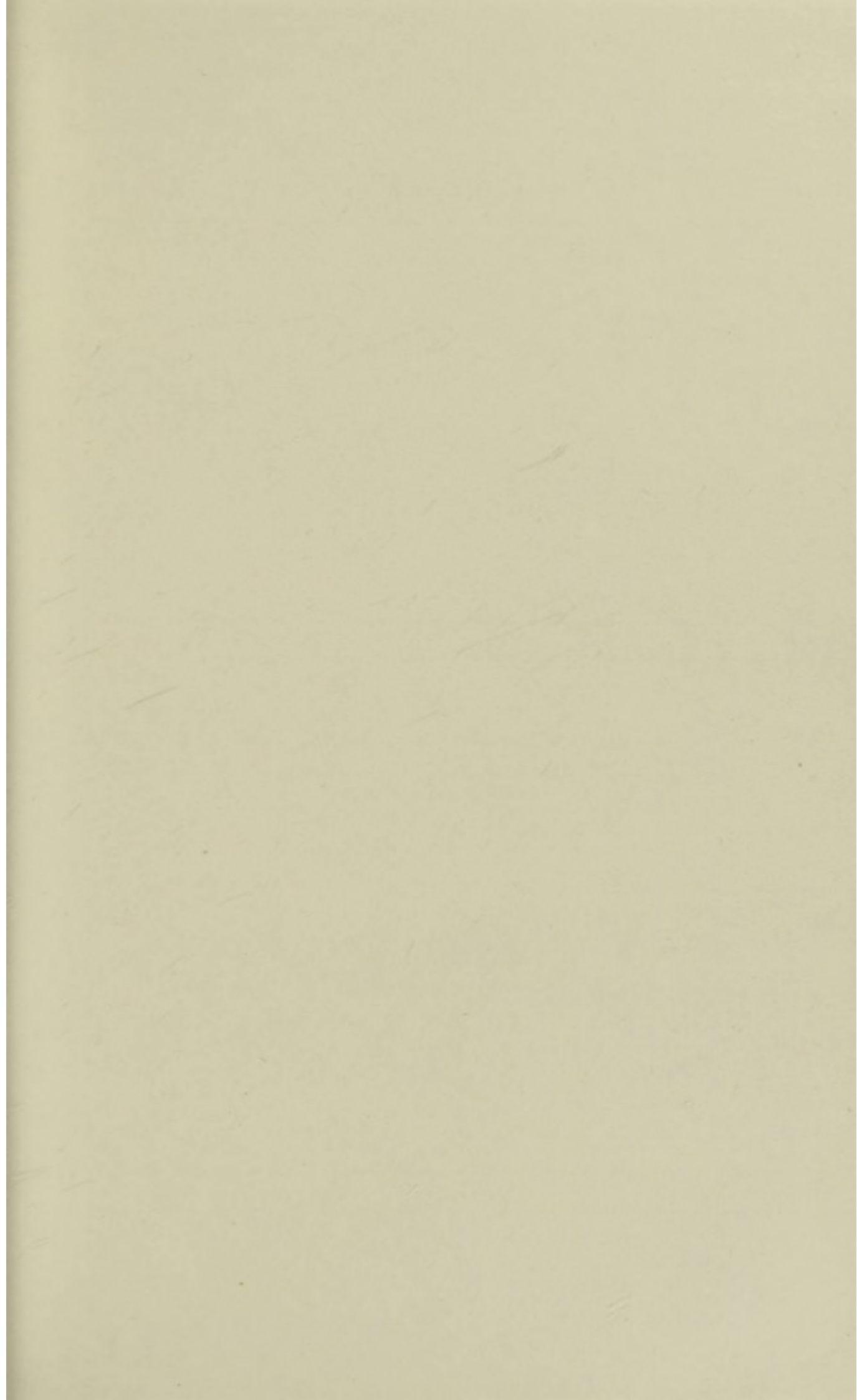
Disease	0-	1-	2-	3-	4-	5-	10-	15-	20-	35-	45-	65+	All Ages	Removed to Hospital	Deaths	Age Unknown
Scarlet Fever	—	—	—	—	1	—	—	—	—	—	—	—	1	1	—	—
Measles ...	—	—	—	—	1	—	—	—	—	—	—	—	1	—	—	—
TOTALS	—	—	—	—	2	—	—	—	—	—	—	—	2	1	—	—

NEW CASES OF TUBERCULOSIS, 1954

Age Period	RESPIRATORY		NON-RESPIRATORY	
	Male	Female	Male	Female
0—	—	—	—	—
1—	—	—	—	—
5—	—	—	—	—
15—	—	—	—	—
25—	—	—	—	—
35—	1	2	—	—
45—	—	—	—	—
55—	—	—	—	—
65—	—	—	—	—
TOTALS	1	2	—	—

DEATHS FROM TUBERCULOSIS, 1954

Age Period	RESPIRATORY		NON-RESPIRATORY	
	Male	Female	Male	Female
0—	—	—	—	—
1—	—	—	—	—
5—	—	—	—	—
15—	—	—	—	—
25—	—	—	—	—
35—	1	—	—	1
45—	—	—	—	—
55—	—	—	—	—
65—	—	—	—	—
TOTALS	1	—	—	1



THE UNIVERSITY OF CHICAGO

DEPARTMENT OF CHEMISTRY
LABORATORY OF ORGANIC CHEMISTRY
CHICAGO, ILLINOIS

REPORT OF THE RESEARCH
PERFORMED BY
DR. [Name] AND
MR. [Name] DURING
THE YEAR 19[]

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