

**[Report 1945] / Medical Officer of Health, East Dereham U.D.C.**

**Contributors**

East Dereham (England). Urban District Council.

**Publication/Creation**

1945

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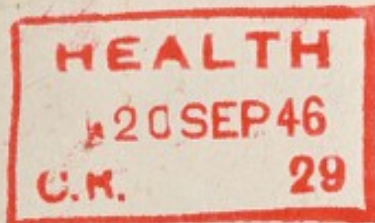
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1945

# Annual Report

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OF THE

Medical Officer of Health

OF THE

Urban Sanitary Authority

OF


EAST DEREHAM,  
Norfolk.

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EAST DEREHAM:

PRINTED BY G. ARTHUR COLEBY, BOOKSELLER AND STATIONER, MARKET PLACE

1946



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# EAST DEREHAM URBAN DISTRICT

## ANNUAL REPORT of the MEDICAL OFFICER OF HEALTH for 1945

### Sec A. STATISTICS AND SOCIAL CONDITIONS OF THE AREA.

Area, (in acres),	...	...	...	5,313
Population, (Census 1931),	...	...	...	5,643
„ (Registrar General's estimate, 1945),	...	...	...	5,721
Number of inhabited houses, (end 1945)	...	...	...	1,839
Rateable value,	...	...	...	£26,973
Sum represented by a penny rate	...	...	...	£102/19/3

The estimated population varied during the war years as follows :

1939	...	5,788	1942	...	6,552
1940	...	6,262	1943	...	6,403
1941	...	6,640	1944	...	6,214

### EXTRACTS FROM THE VITAL STATISTICS OF THE YEAR

			Totals	M	F
Live Births	Legitimate	...	100	38	62
	Illegitimate	...	15	5	10
Birth Rate per 1,000 of the estimated resident population			...	...	20.1
Still Births	Legitimate	...	3	2	1
	Illegitimate	...	—	—	—
Rate per 1,000, (Live and Still), births			...	...	25.4
Deaths	...	...	80	43	37
Death Rate per 1,000 of the estimated resident population			...	...	13.9

## Death Rate of infants under one year of age :

All infants per 1,000 live births, ...	8
Legitimate infants per 1,000 legitimate live births, ...	10
Illegitimate infants per 1,000 illegitimate live births, ...	Nil
Deaths from Cancer, (all ages) ...	9
„ Measles, (all ages) ...	1
„ Whooping Cough, (all ages) ...	Nil
„ Diarrhoea, (under 2 years of age) ...	Nil

For the fourth year in succession, the Birth Rate has continued at a high figure, being 1·3 higher than in the previous year and the highest rate recorded since 1921.

Illegitimate births represented 13% of the total births as compared with 16% last year.

There was only one death of an infant under one year of age giving a rate per thousand live births of 8 as compared with 59 last year and a National rate of 46.

The Death Rate, (13·9), is 1·6 higher than in 1944 and 2·5 more than the National average, (11·4). 44 of the 80 deaths were of persons over 70 years of age, equal to 55%.

AGE	M	F
70-80	10	10
80-90	12	10
90-100	2	—
Totals	24	20



## Sec. B. GENERAL PROVISIONS OF HEALTH SERVICES FOR THE AREA.

The Public Health Staff of the Urban District Council consists of a part-time Medical Officer of Health and a Sanitary Inspector. The latter also carries out the duties of Engineer, Surveyor and Markets Inspector.

The County Isolation Hospital at Dereham has accommodation for 96 beds and hutments provide accommodation for a further 29. Shortage of nursing and domestic staff has prevented full use being made of the accommodation available. 4 cases from the District were admitted to the Isolation Hospital during the year.

### IMMUNISATION AGAINST DIPHTHERIA.

There was a further drop in the number of children immunised against Diphtheria during the Year and the proportion of the lower age group protected remains unsatisfactory.

The necessity for immunising children in the susceptible younger age group cannot be too strongly emphasised.

The figures of those immunised and estimated child population are as follows :

TOTAL NUMBERS IMMUNISED.				
Year	1-5 years		5-15 years	
	Totals		Totals	
1941	118		814	
1942	102		35	
1943	103		46	
1944	70		24	
1945	44		2	
	Totals		Totals	
	437		921	
Estimated child pop. (1945)	554	..	..	1010
Percentage immunised	..	48	..	56

## Sec. C.    SANITARY CIRCUMSTANCES OF THE AREA.

### (1) WATER.

The average daily consumption was 131,990 gallons as compared with 132,054 gallons in the previous year, the average daily pumping hours being 15·6 compared with 16·5 in 1944.

Pumping was at the rate of 8,461 gallons per hour.

Early in the Year, the District Council decided to deepen the original well and borehole in order to have a reliable standby in place of the new borehole (No. 3), which is now the only source capable of maintaining the necessary supply. Application has been made to the Ministry of Health to be allowed to put this work in hand.

The following analyses of the Town supply were taken during the year :

#### (1) January —No. 3 Borehole, ex. rising main.

		Grains per gallon	Parts per 100,000
Total solids in solution	..	22·75	32·5
Ammonia	Free and saline ..	0·012	0·017
	Albuminoid ..	0·0007	0·001
Chlorine in Chlorides	..	1·6	2·3
Nitrogen as Nitrates	..	Nil	Nil
Nitrogen as Nitrites	..	Nil	Nil
Oxygen absorbed from Permanganate	..	0·0217	0·031
Hardness	Total ..	16°	23·0
	Permanent ..	4°	5·7
Free CO <sub>2</sub>	..	1·38	1·97
Iron	Total ..	0·077	0·11
	In solution ..	0·0087	0·0124
Physical Characters		Clear when received becoming turbid with small rusty sediment on standing	



## Remarks:

My last analysis of this supply was in December, 1943. The water maintains its excellent organic quality, whilst there is a small increase in chlorides and a decrease in hardness and iron content. The hardness is rather below than above the average for Norfolk water. Except for the iron content, which can be removed by the usual treatment, the water is of good quality for drinking and all the purposes of a public supply. The free carbonic acid is very moderate, and I see no reason why the water should show any abnormal action upon metals.

(Signed) W. LINCOLNE SUTTON,  
Norfolk & Suffolk County Laboratories,  
Norwich.

## (2) August—Water from domestic tap at Gasworks House.

				Grains per gallon	Parts per 100,000
Total solids in solution .. ..				23.7	33.8
Ammonia	}	Free and saline .. ..		0.0084	0.0121
		Albuminoid .. ..		Trace	Trace
Chlorine in Chlorides .. ..				1.7	2.43
Nitrogen as Nitrates .. ..				Nil	Nil
Nitrogen as Nitrites .. ..				Nil	Nil
Oxygen absorbed from permanganate .. ..				0.032	0.046
Hardness	}	Total .. ..		16.2°	23.15
		Permanent .. ..		3.1°	4.43
Physical Characters					
Slightly turbid and discoloured owing to separated iron.					
Iron	}	Total .. ..		0.055	0.079
		In solution .. ..		0.007	0.010

(3) August—Tap sample from consumer in Quebec Road,  
(Bacteriological):

Mark	Colonies per ml. on agar at 37° C.	B coli		B aerogenes	
		Present in ml.	Absent in ml.	Present in ml.	Absent in ml.
"Town Water"	24		100		100



## REMARKS :

This supply was last analysed (ex rising main) on 22nd January, 1945. The water maintains its great organic purity, whilst its bacteriological quality is quite satisfactory. The sample shows less iron content both total and in solution. The total hardness is unchanged, but the permanent hardness is lower. The water is quite fit for drinking purposes, but it would, of course, be improved for the purposes of a public supply if the iron were removed.

(Signed) W. LINCOLNE SUTTON,  
Norfolk & Suffolk County Laboratories,  
Norfolk.

In May, the District Council decided to install a permanent automatic pump for the new borehole.

Jentique Ltd., Furniture Manufacturers, applied for a 6" water main to be laid to their works to operate a sprinkler fire system, and the District Council agreed to provide this.

Water beetles noticed in the supply tank have been identified by Mr. Lincolne Sutton, as Gyrinidae, which are, in themselves, harmless.

During November, the Waterworks site was levelled by a bulldozer and generally tidied up. The whole area should now be put down to grass and kept closely mown.

A 1½-in. metered supply to the London & North Eastern Railway Station has been installed.

A new underpressure drilling apparatus has been acquired, enabling up to 2 in., i.d. water supply to be made to the mains without interference with the public supply.

A total of 48,177,345 gallons were pumped during the Year, representing a slight decrease as compared with the previous year.

Proportion of dwelling houses with Town water supply :

(a) Direct to the houses	...	45%
(b) By means of standpipes	...	15%

## (2) DRAINAGE AND SEWERAGE.

The Sewerage Works have functioned fairly satisfactory, but the distributor arms of Nos. 3 and 4 filters require renewal. This work will be carried out in the course of the next few months.

## (3) CLOSET ACCOMMODATION.

The position as regards domestic sanitation is as follows :

Pail closets in houses condemned or scheduled	...	138	-	24.5%
Pail closets in houses where connection is possible	...	145	-	25.7%
Pail closets in houses impossible to connect	...	277	-	49.1%
Pail closets in houses (Sewer extentions)	...	4	-	0.7%
		<hr/> 564	-	<hr/> 100%

The total number represents a reduction of 70 during the year.

The question of installing main drainage to the Toftwood area is now under consideration by the District Council. When this area is sewered, it will be possible to abolish 467 of the 564 existing pail closets.



Between the years 1930 and 1939, 227 pail closets were converted to the water carriage-system. Of this number, 206 conversions were effected by informal action taken by the District Council. Of the remaining 21, 2 were converted by statutory action and 19 voluntarily. During the same period, 36 pail closets were abolished.

#### (4) PUBLIC CLEANSING.

9 privy vaults and 2 cesspools were cleared during the Year and some 1,700 dustbins emptied weekly.

The District Council is now considering an alternative means of refuse disposal to replace the present refuse dump at the rear of Northgate.

#### (5) SUMMARY OF DUTIES CARRIED OUT BY SANITARY INSPECTOR.

Houses and premises inspected	...	359
Nuisances abated	... ..	21
Houses disinfected	... ..	4
Disinfections of bedding	... ..	4

#### (6) SALVAGE.

The amount of salvage collected during the Year has diminished considerably. Waste paper, which has been the main source of supply and revenue, has fallen off owing to collections being made from business premises on a commercial basis. The total waste paper collected was 58½ tons as compared with 91 tons in the previous year.

Small quantities of textiles and bones have been collected, 32 cwt. and 12 cwt. respectively. Metals and rubber are no longer required, but small quantities have been received.

The scheme is still in operation and paying its way, reflecting great credit upon the Honorary Organiser.

*Sec. D.*

# HOUSING.

Number of houses erected in the District during the Year:

(a)	By the Local Authority	...	Nil
(b)	By other bodies or persons	...	Nil

Summary of houses erected by the Urban District Council up to the end of 1945 :

Housing Acts, 1919, 1923 and 1924	...	64
Housing Acts, 1930, 1936 and 1938	...	80
		<hr/> 144 <hr/>

8 of the houses built under the 1938 Act were for the relief of overcrowding.

No alteration in rents was made during the year.

Plans have been passed for the erection of the following 32 permanent houses, and work should commence early in the New Year :

Becclesgate Estate	...	...	22
Toftwood	...	...	8
Etling Green	...	...	2

The Ministry of Health has sanctioned the erection of 20 temporary houses, and a site has been obtained for these at Littlefields.

Plans for the provision of further houses on a much larger scale are being considered by the District Council.



Sec. E. INSPECTION AND SUPERVISION  
OF FOOD.

(a) *Milk Supply* :—

Milk and Dairies Order, 1926 :

(i) Number of registered purveyors of milk	10
(ii) Number of registered cow-keepers and wholesale purveyors of milk	19

*Milk (Special Designations), Orders, 1936 & 1938 :*

(i) Number of licensed producers of Accredited Milk	6
(ii) Number of licensed purveyors of Accredited Milk	5

Milk samples :

10 samples were taken for examination. 2 were sent to the County Laboratory for the methylene blue test, one of which failed. 8 samples were sent Chorley Wood to be tested for Tubercle bacilli, all of which proved negative.

Samples of the milk supply to households from which cases of non-respiratory tuberculosis are notified are examined for the presence of Tubercle bacilli.

(b) *Meat and other Foods* :—

Slaughtering is carried out at a central slaughter-house under Government control.

Condemned as unfit for human consumption :

	Cattle	Calves	Sheep & L.	Pigs
<i>Tuberculosis :</i>				
Whole carcasses	17	—	—	4
Organs or parts	158	—	—	2
<i>Other diseases :</i>				
Whole carcasses	3	—	4	3
Organs or parts	172	1	5	13

*Miscellaneous Foods :—*

Tinned foods ...	220 tins	Beans ...	358 lbs.
Tinned Milk ...	195 tins	Rice ...	95 lbs.
Cereals ...	92 packets	Meat ...	79 lbs.
Dates ...	8 lbs.		

*Sec. F. PREVALENCE OF AND CONTROL  
OVER INFECTIOUS AND OTHER DISEASES*

Disease	Total cases notified	Cases admitted to Hospital	Total Deaths
Scarlet Fever ..	2	—	—
Pneumonia ..	4	—	2
Whooping Cough ..	31	—	—
Measles ..	44	2	1
Dysentery ..	1	—	—
Typhoid ..	2	2	—

The Dysentery case was a Sonne's infection. The Typhoid cases were Para B. infection, both belonging to the same household.

*AGE GROUPS :—*

AGE GROUPS (years)	0-1	1-2	2-3	3-4	4-5	5-10	10-15	15-20	20-35	35-45	45-65	65 & over
Scarlet Fever	—	—	—	—	1	1	—	—	—	—	—	—
Pneumonia	—	—	—	—	—	—	1	—	—	—	2	1
Whooping Cough	6	4	2	4	1	13	1	—	—	—	—	—
Measles	1	3	1	7	4	24	—	—	4	—	—	—
Dysentery	—	—	—	—	—	—	—	1	—	—	—	—
Typhoid	1	—	—	1	—	—	—	—	—	—	—	—



## TUBERCULOSIS.

New Cases and Mortality during 1945 :—

Age Groups	New Cases				Deaths			
	Respiratory		Non-Respiratory		Respiratory		Non-Respiratory	
	M	F	M	F	M	F	M	F
0 — 1	—	—	—	—	—	—	—	—
1 — 5	—	—	—	1	—	—	—	—
5 — 15	1	—	2	2	—	—	—	—
15 — 25	—	—	—	1	—	—	—	—
25 — 35	—	—	—	—	—	—	—	—
35 — 45	1	—	—	—	—	—	—	—
45 — 55	—	—	—	—	—	—	—	—
55 — 65	—	—	—	—	—	—	—	—
65 & upwards	—	—	—	—	1	—	—	—
Totals	2	—	2	4	1	—	—	—

The fatal case had been notified prior to death.

There were 3 fewer cases notified than during the previous year.

At the end of the Year, there were 54 cases of Tuberculosis on the District Register, 14 respiratory and 40 non-respiratory.

## GOVERNMENT EVACUATION SCHEME.

At the beginning of the Year there were about 100 evacuated persons accommodated in the Town and 12 houses requisitioned for the purpose. With the cessation of hostilities, most of these returned home, but a few remained in requisitioned houses.

Four houses are still under requisition to accommodate evacuated persons and two inhabited by persons previously inadequately housed. All are paying full rent.

There are no evacuees billeted in private houses.

### BRITISH RESTAURANT.

The British Restaurant ceased to function at the end of the Year, having been in operation for five years.

The Restaurant has been largely patronised, and thanks are due to the Centre Organiser, Mrs. Gordon Aldiss, and her voluntary staff for the splendid work they have done.

The Cook maintained a high standard and has served the Restaurant from its inception.

### EMERGENCY MATERNITY HOME.

The County Emergency Maternity Home near Downham Market has provided accommodation throughout the Year. With the high birth rate and the present shortage of housing accommodation and domestic help, it has served a great need.

The County Council should soon be in a position to provide additional institutional accommodation for maternity cases. Here again, shortage of nurses and domestic workers probably accounts for the present delay.

**NORMAN E. D. CARTLEDGE,**

*Medical Officer of Health.*



For the purpose of the present investigation, the following facts have been ascertained, and are here presented for the consideration of the public.

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