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RURAL DISTRICT OF WAYLAND

THE
ANNUAL REPORT

OF THE
Medical Officer of Health

TOGETHER WITH
THE

REPORTS

OF THE
SANITARY INSPECTORS

AND

WATERWORKS ENGINEER

1948



STAFF

MEDICAL OFFICER OF HEALTH :

F. R. WILSON, M.D., CH.B.,
(1.1.48—31.8.48).

C. WARDEN ORR,
L.R.C.P., L.R.C.S., (EDIN.), L.R.F.P. & S., (GLAS.) D.P.H.,
(From 16.7.48).

SENIOR SANITARY INSPECTOR AND SURVEYOR
AND INSPECTOR UNDER PETROLEUM ACTS :

C. WHITWORTH,
M.INST.MUN.E., C.R.S.I., REGISTERED ARCHITECT.

SANITARY INSPECTOR :

A. T. BOORE,
A.R.SAN.I., M.S.I.A.

*(Both Sanitary Inspectors hold the Certificate for the
Inspection of Meat and other Foods).*

CLERK :


A. E. SHELDRAKE.

HOUSING INSPECTOR (TEMPORARY) :

E. H. WILKINS.

CHIEF WATERWORKS ENGINEER :

M. G. M. SHORT.



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ANNUAL REPORT

TO THE

Rural District of Wayland

MR. CHAIRMAN, LADIES AND GENTLEMEN,

I have the honour to submit to you my first Annual Report on the sanitary circumstances, health and vital statistics of your District throughout the year 1948.

The Report is an Ordinary Report, and is written in conformity with the suggestions contained in the Ministry of Health Circular No. 3/49, dated 17th January, 1949, dealing with Annual Reports.

The year under review is important in that the National Health Service Act, 1946, came into force on the 5th July, the only change of importance affecting this Area was that on this date, the administration for Diphtheria Immunisation and Vaccination passed to the Local Health Authority, the Norfolk County Council.

No action has been taken under Section 47 of the National Assistance Act, 1948.

This year has been satisfactory in many respects. The birth rate is higher than the National rate by 1.5 per thousand. The death rate is still higher than that for England and Wales, but the survival rate is satisfactory. The death rate has dropped considerably from last year when it was 14.1 per thousand of the population. The infant mortality rate is higher than the National figure.

There has been an increase in the number of infectious diseases notified during the year, due to an epidemic of measles in the early months.

It will be seen from the Housing Survey in this report that there are far too many border line properties which cannot be brought up to a reasonable standard. They are mostly old properties with absolutely none of the modern necessities of life and are a great drudgery on the housewife. In the near future occupiers of such premises should be given priority in the new housing allocations in order that we may get rid of these deplorable blots on the landscape which are the cause of so much ill-health and the aggravation of invalidism due to their dampness and disrepair.

At the same time I should like to express my appreciation to the Housing Committee for their co-operation in allocating so many houses to applicants in medical need of sound accommodation.

STATISTICS AND SOCIAL CONDITIONS OF THE AREA.

Area (in acres)	106,881
Population (estimated by Registrar-General)	17,450
Number of inhabited houses	5,513
Rateable value (1st April, 1948)	£59,303
Product of 1d. rate	£249

There are 35 parishes in the District, which is generally agricultural in character and contains three small towns, Attleborough, Watton and Harling.

At Attleborough, which is an important market centre, there is an extensive Cyder Works, a Brush Factory, Motor Works, Granaries and Agricultural Machinists.

Nearby to Watton, which is also a market centre, there is a permanent Royal Air Force Station.

In the parish of Wretham there is a large grass-drying plant.

During the past few years there has been a considerable increase in the number of persons engaged in Motor and Agricultural Engineering.

The following table compares various Rates in this area with those of England and Wales and selected groups of Towns for the year 1948.

	Rate per 1,000 Population		Annual Death Rate per 1,000 Population								Rate per 1,000 Live Births		
	Live Births	Still-births	All Causes	Typhoid and Paratyphoid	Whooping Cough	Diphtheria	Tuberculosis	Influenza	Smallpox	Acute Poliomyelitis and Polioencephalitis	Pneumonia	Total Deaths (under 1 year)	Diarrhoea and Enteritis (under 2 years)
England and Wales ...	17.9	0.42	10.8	0.00	0.02	0.00	0.51	0.03	—	0.01	0.41	34	3.3
126 County Boroughs and Great Towns, including London ...	20.0	0.52	11.6	0.00	0.02	0.00	0.59	0.03	—	0.01	0.38	39	4.5
148 Smaller Towns, (Residential Population 25,000 to 50,000 at 1931 Census) ...	19.2	0.43	10.7	0.00	0.02	0.00	0.46	0.04	—	0.01	0.36	32	2.1
London Administrative County ...	20.1	0.39	11.6	0.00	0.01	0.01	0.63	0.02	—	0.00	0.54	31	2.4
Wayland R.D. ...	19.4	0.63	12.4	—	—	—	0.34	—	—	—	0.40	41	2.9

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

General.

The total number of cases of infectious disease notified during the year was 465, compared with 148 in 1947, 422 in 1946, and 205 in 1945.

The number of notifications in respect of each disease was as follows :—

Measles	...	...	...	...	...	359
Whooping cough	...	...	...	...	...	72
Tuberculosis (all forms)	...	...	...	...	...	10
Acute poliomyelitis	...	...	...	...	...	2
Ophthalmia neonatorum	...	...	...	...	...	1
Erysipelas	...	...	...	...	...	2
Pneumonia (all forms)	...	...	...	...	...	8
Dysentery (bacillary)	...	...	...	...	...	1
Dysentery (amœbic)	...	...	...	...	...	1
Scarlet fever	...	...	...	...	...	7
Puerperal pyrexia	...	...	...	...	...	1
Malaria	...	...	...	...	...	1
				Total	...	465

Note.—The cases of acute poliomyelitis occurred at Attleborough and New Buckenham. Both cases were mild and fortunately there was no residual paralysis.

Diphtheria.

No cases of diphtheria were notified during the year.

I have no doubt that this was due to the highly satisfactory state of immunisation in the District.

In this respect great credit is due to my predecessor and it is hoped that this high percentage will be maintained.

The following table shows the immunisation state of the children in the district on 31st December, 1948 :—

	<i>Under</i>			
	<i>School Age.</i>	<i>School Age.</i>	<i>Total.</i>	
Numbers immunised	...	1215	1779	2994
Estimated population	...	1503	2401	3904
Percentage immunised	...	80·83%	74·09%	76·69%

Tuberculosis.

Fifteen cases of all forms of this disease were notified during the year. The following table shows the age and sex distribution of notified cases and deaths from tuberculosis during the year.

Age Periods	New Cases				Deaths			
	Pulmonary		Non-Pulmonary		Pulmonary		Non-Pulmonary	
	M.	F.	M.	F.	M.	F.	M.	F.
0—	—	—	—	—	—	—	—	—
1—	—	—	—	—	—	—	—	—
5—	—	—	—	3	—	—	—	—
15—	5	1	—	—	—	—	—	—
25—	2	—	—	—	1	—	—	—
35—	—	1	2	—	—	1	—	—
45—	1	—	—	—	—	—	—	—
55—	—	—	—	—	—	—	—	1
65 and upwards	—	—	—	—	—	—	—	—
TOTALS	8	2	2	3	1	1	—	1

Number of cases on the Tuberculosis Register at the end of 1948 were as follows :—

	<i>Males.</i>	<i>Females.</i>	<i>Total.</i>
Pulmonary	31	24	55
Non-pulmonary	20	23	43
Total	51	47	98

I should like to take this opportunity of thanking the Chairman and Members of the Public Health Committee for their help and encouragement. Also I wish to thank Dr. F. R. Wilson for giving me a thorough introduction to the area.

Finally, I desire to thank my colleagues in the other departments for their advice and expert opinion which has proved so valuable during the year. To the members of the Public Health Staff I record and tender my gratitude.

I have the honour to be, Ladies and Gentlemen,

Your obedient Servant,

C. WARDEN ORR,

Medical Officer of Health.

Report of Sanitary Inspectors

for the Year 1948

MR. CHAIRMAN, LADIES AND GENTLEMEN,

We have the honour to submit our report for the year ended 31st December, 1948, as follows :—

SANITARY CIRCUMSTANCES OF THE DISTRICT.

Number of inspections (all purposes)	2,347
Number of Preliminary Notices	19
Number of Statutory Notices	4
Number of houses repaired	118
Number of inspections of slaughterhouses	168
Number of inspections of bakehouses	12
Number of inspections of cowsheds and dairies	142

Nuisances Abated.

Pails substituted for vaults	1
Accumulation of refuse	5
Drains repaired or provided	63
W.C.'s provided	15
Bathrooms provided	7
Cowsheds :—	
(a) New	6
(b) Reconditioned	12
Bakehouses limewashed	3
Samples of water taken	12
Houses disinfected	12
Schools disinfected (private schools)	3

HOUSING.

New Houses.

Number of traditional type houses completed	82
Number of traditional type houses under construction	6
Number of Airey type houses completed	24
Number of Airey type houses under construction	12
Number of houses completed by private enterprise	22
Number of houses under construction	16
Number of houses completed by other authorities	1

The Council has a direct labour staff for the repair of Council properties, consisting of a foreman and fifteen men.

HOUSING—RURAL SURVEY.

SCHEDULE OF INSPECTIONS FROM JANUARY 1st, 1948, TO DECEMBER 31st, 1948.

Parish	Total number of Houses in Parish on Dec. 31st, 1948	Number of Houses		Number of Houses in Categories					Border line cases to Category V	Houses being Repaired, etc.	To Classify	Total
		Inspect- ed	Class- ified	I	II	III	IV	V				
Blo' Norton	71	67	67	10	4	31	-	1	21	-	67	
Brettenham	68	61	61	1	6	44	-	-	4	6	61	
Croxton	76	73	73	2	13	27	-	6	21	4	73	
Garboldisham	162	151	151	8	10	83	-	6	42	2	151	
Hockham	132	98	52	10	2	17	-	3	14	6	98	
Kilverstone	24	21	21	-	15	5	-	-	-	1	21	
North Lopham	174	159	159	21	17	55	-	6	60	-	159	
Riddlesworth	42	40	40	-	1	19	-	-	19	1	40	
South Lopham	130	104	104	25	2	30	-	4	41	2	104	
Wretham	85	84	84	3	11	44	-	-	12	3	84	
Various	-	94	-	-	-	-	-	-	-	*11	94	
TOTAL	964	952	812	80	81	355	-	26	234	36	140	952

*In W.D. occupation.

HOUSES INSPECTED FROM SEPTEMBER 1st, 1946, to DECEMBER 31st, 1947 1,505

HOUSES INSPECTED FROM JANUARY 1st, 1948, to DECEMBER 31st, 1948 952

TOTAL 2,457

CATEGORY I. Those houses which comply with the standard in all respects.

CATEGORY II. Those houses in respect of which minor repairs or improvements are necessary, but which can be dealt with under the Public Health or Housing Acts.

CATEGORY III. Those houses which are capable of being brought up to standard, but which require more extensive repair, structural alteration or improvement.

CATEGORY IV. Those houses which justify, and qualify for reconditioning with assistance under The Housing (Rural Workers) Act.

CATEGORY V. Those houses which cannot reasonably be brought up to standard and which should be demolished.

NOTE.—The number of houses under Category III, is due to a large extent, to inadequate light and ventilation.

SANITARY DEFECTS FOUND DURING SURVEY.

Nature of Defect	Bio- Norton	Bretten- ham	Croxton	Garbold- isham	Part Hoekham	Kilver- stone	North Lopham	Riddles- worth	South Lopham	Wretham
1 Excessive dampness	6	-	10	13	6	-	12	1	8	6
2 Inadequate light and ventilation	55	53	61	136	33	18	123	38	69	57
3 Structurally defective sanitary accommodation	6	11	15	22	8	-	19	9	12	13
4 Vault closets	8	6	1	9	4	-	22	4	16	2
5 Sanitary accommodation in joint usage	1	-	2	10	-	-	8	-	6	-
6 Absence of drainage facilities	24	39	31	79	11	12	73	31	27	41
7 Unsatisfactory drainage facilities	21	4	23	38	12	1	38	1	31	8
8 Absence of facilities for clothes washing	3	2	4	7	1	-	13	6	3	4
9 Joint usage of facilities for clothes washing	2	-	2	10	2	-	8	13	4	1
10 Unsatisfactory heating facilities (bedrooms)	38	5	30	83	24	-	86	22	55	31
11 Unsatisfactory cooking facilities	13	6	16	22	18	1	39	18	14	5
12 Unsatisfactory food storage	16	4	28	24	23	-	40	16	18	6
13 Absence of separate access to bedrooms	49	12	33	99	29	-	83	24	42	16
14 Absence of sinks	16	38	46	87	26	12	79	31	32	46

SUMMARY.

1 Over-crowding (Statutory)	-	1	1	3	2	-	4	2	2	-
2 Insufficient bedroom accommodation	12	9	14	31	10	1	35	17	15	11
3 Structural defects of houses	21	14	11	35	24	-	53	14	21	7
4 Water supply over 100 feet from house	3	4	3	4	4	4	2	2	2	2
5 Defective structure to wells	4	14	1	24	15	-	21	7	8	3

Control of Civil Building.

During the year 336 licences were issued to the value of £31,135 for work to be carried out in connection with existing houses and 101 licences to the value of £5,760 for work in connection with buildings other than housing.

PUBLIC CLEANSING.

(a) Refuse Collection and Disposal.

With the new vehicle, weekly collections continued at the beginning of the year in the parishes of Attleborough and Watton.

During the year a second collection vehicle was acquired and the second stage of the district scheme commenced. This extension covered twenty additional parishes with a fortnightly collection, whilst the weekly service continued in Attleborough and Watton.

The collections were arranged in two groups of parishes, one group adjacent to Attleborough and served by a vehicle stationed near Attleborough and the other comprising the Watton area served by a vehicle stationed at Watton.

The existing dumps (one at Crows Hall taking Attleborough area refuse and one at Ovington serving Watton area) were used and controlled tipping carried out.

Approach roads to the dumps were made up and gates and fences erected.

In addition the Council has approved, in principle, the third stage scheme which will give complete coverage of the district with weekly collections in the villages which are urban in character and fortnightly collections in all other parishes. This extension, which it is intended to introduce early in 1949, will necessitate the purchase of one additional vehicle and acquisition of a third dump for the reception of refuse from the southern part of the district.

(b) Night-soil Collection and Disposal. Cesspool Emptying, etc.

At the beginning of the year the new cesspool emptying vehicle with night-soil collection attachment, was brought into service in the parishes of Attleborough and Watton weekly.

A free service covering the cleansing of cesspools, privy vaults, sewer tanks, etc., was provided within the night-soil collection area.

Cleansing of cesspools, vaults and farm drainage tanks was also undertaken outside the collection areas and for these services the owners were charged in accordance with the Council's scale. The revenue from this source amounted to over £50 during the year.

The hygienic disposal of faecal matter is still a major problem which has received much consideration during the year. At present, disposal is effected at Crows Hall by discharge below the refuse and at Watton by straw composting on isolated agricultural land. Meanwhile the Council's Consulting Engineers are considering the possibility of pre-digestion and disposal of night-soil into a redundant sewage plant on an airfield.

This project, together with extension of the night-soil collection and cesspool emptying services to four additional "urbanised" parishes, is planned for next year.

INSPECTION AND SUPERVISION OF FOOD.

MEAT. There is one Government slaughter house in the District (situated at Watton), which supplies Wayland Rural District, the Borough of Thetford and parts of Swaffham Rural District.

During the year 168 inspection visits were made to the slaughter house.

The following table shows the number of animals inspected and condemnations:—

	Animals inspected	Number of whole carcasses condemned		Percentage condemned of Animals inspected	Total condemnations including parts of carcasses and organs. (All diseases).	
		Tuberculosis	Other diseases		Meat	Offals
Cattle (all classes) ...	970	12	7	1.95	8,933 lbs.	7,715 lbs.
Calves ...	289	1	4	1.73	400 lbs.	68 lbs.
Sheep and Lambs ...	1716	-	13	0.75	620 lbs.	264 lbs.
Pigs ...	114	-	6	5.26	954 lbs.	98 lbs.
TOTALS	3089	13	30	—	10,907 lbs.	8,145 lbs.

NOTES. (a) The percentage of pigs condemned is high as the majority were slaughtered as "casualties."

(b) Ante-mortem inspections were made in respect of approximately 30 per cent. of the animals.

(c) No cases of disease, notifiable under the Diseases of Animals Act, were found at the slaughter house.

OTHER FOODS.

Visits to food premises numbered 112, and in eleven cases remedial measures were adopted upon informal representation.

The Council has had under consideration the unsatisfactory conditions under which street trading in foodstuffs is carried on, particularly at the weekly market at Watton. Although the stalls are inspected regularly and advice given where necessary, the absence of legislation giving proper control continues to obstruct progress in the improvement of standards.

During the year the following miscellaneous foodstuffs were surrendered voluntarily as unfit for human consumption :—

33½ lbs.	Imported Beef.	1 lb.	Dried Peas.
15 lbs.	Veal.	2 tins.	Tomatoes.
259¾ lbs.	C.C. Beef.	3 tins.	Tomato Juice.
2 tins	Stewed Steak.	48 tins.	Orange Juice.
10 tins	Meat Loaf.	½ lb.	Dates.
2½ lbs.	Brawn.	2¾ lbs.	Prunes.
1 tin	Tongue.	24 lbs.	Dried Apricots.
1 tin	Ham.	10 lbs.	Haricot Beans.
68 lbs.	Bacon.	2 tins	Peaches.
1,600	Meat Pies.	8 tins	Plums.
3 tins.	Sausages.	87 bags	Apples.
70 lbs.	Wet Fish.	5 tins	Baked Beans.
8 tins.	Salmon.	75 tins	Milk.
22 tins.	Various Fish.	18 tins	Peas.
71 tins.	Fish Paste.	56 lbs.	Potatoes.
18½ lbs.	Cheese.	2½ lbs.	Dried Eggs.
1 carton.	Processed Cheese.	4 lbs.	Sugar.
18 lbs.	Marmalade.	17 bots.	Horse Radish Cream.
10 lbs.	Jam.	20 pkts.	Breakfast Cereal.
3 tins.	Syrup.	2,046 lbs.	Rolled Oats.
8 tins.	Grapefruit.	840 lbs.	Oatmeal.
1 lb.	Butter.	42 lbs.	Sago.
½ lb.	Tea.	35 pkts.	Semolina.
		½ lb.	Biscuits.

MILK PRODUCTION.

Visits to milk production premises numbered 195

Routine inspections of farms and dairies have not been as numerous this year, more attention having been paid to the reconstruction of premises with a view to increasing the production of "designated" milk.

Twenty-one schemes for the major reconstruction of existing cowsheds and dairies have been prepared and of these fourteen have been carried out, two in respect of dairies only and twelve in respect of the complete production unit.

One entirely new unit has been erected in conformity with standards required for production of tuberculin tested milk.

State of Register at End of Year.

Cowkeepers	...	...	...	...	...	...	...	...	240
Milk purveyors	...	...	...	...	...	...	...	...	26
Tuberculin tested producers	...	...	...	...	...	...	...	...	42
Accredited Producers	...	...	...	...	...	...	...	...	24

Biological Sampling.

The report of the Norfolk County Council shows that all supplies sampled in the district were free from tuberculosis. Of the twenty-seven samples taken, twenty-three were "non-designated" and four "designated."

FOOD POISONING.

No serious outbreaks of food poisoning have been reported. Of the five cases notified (involving three families) two were caused by canned peas, one by shell-fish consumed outside the district and in the remaining two cases the causative agent was not determined.

Lectures to public bodies on the subject of "Infections of Food and Drink" were continued during the year.

ICE CREAM.

Vigilant supervision continues to be exercised over the production and sale of ice-cream.

The requirement that only covered vehicles with hand washing facilities may be used for the sale of ice-cream has been complied with by all itinerant vendors and the sale of unwrapped ice-cream in general stores is discouraged.

The one manufacturer retailer on the register produces "cold mix" only for retail sale on his own premises and has provided a special room for the purpose.

The routine sampling scheme introduced during the year was unsuccessful for two reasons. Firstly, sampling days were fixed by the Public Health Laboratory and it often happened that no samples were available on those days. Secondly, it proved impossible to collect, over a scattered rural district, sufficient samples to justify travelling fifteen miles to the laboratory and at the same time avoid exceeding the two hours allowed between collection of samples and delivery at the laboratory. The possibility of obtaining suitable sampling containers is being considered.

Of the five samples taken, two were Grade I, one was Grade II, and two were Grade III.

KNACKERS' YARDS.

There is one knacker's yard in the district, situated in the parish of Great Ellingham.

Whilst the buildings are not entirely satisfactory, the establishment is run on hygienic lines and there has been no complaint in respect of it.

SLAUGHTER OF ANIMALS ACT, 1933.

Forty persons are licensed to slaughter under the provisions of the Act.

One case of cruelty to an animal was reported to the Council, the person concerned being duly warned as to future conduct.

MOVEABLE DWELLINGS.

There are no communal camping sites in the district.

Three licences were issued in respect of individual moveable dwellings and in these cases satisfactory amenities were provided.

FACTORIES ACT, 1937.

There has been little opportunity for routine inspections of factories this year and in consequence activities in this field have been confined, for the most part, to attention to defects notified by H.M. Inspector of Factories.

RODENT CONTROL.

The Council does not employ staff for this purpose, but the County War Agricultural Executive Committee carries out disinfestations at the Council's request.

Particular attention was paid to infestations of the two refuse tips and the Attleborough sewers were test-baited during the year, with a negative result in all sections.

INFECTIOUS DISEASES.

Fifteen infected premises were disinfected and disinfectants were supplied for use in such premises where necessary.

Contacts of infectious cases were traced and advice given regarding prevention of spread.

Where contacts were employed in milk production or other food handling, employers co-operated in arranging alternative "safe" employment for the contacts for the required period.

C. WHITWORTH,

Senior Sanitary Inspector.

A. T. BOORE,

Sanitary Inspector.

Report of the Waterworks' Engineer for the Year 1948

MR. CHAIRMAN, LADIES AND GENTLEMEN,

I have the honour to submit my report for the year ended 31st December, 1948, as follows:—

Apart from the areas supplied by the Council's water mains the supply is mostly from shallow wells, the water of many being of doubtful purity. There are a number of deep bores principally of 4 inches diameter. The water from some of these bores contains an appreciable quantity of iron.

WATER SUPPLY SCHEMES.

The Council has two main waterworks, situated at Old Buckenham and at Watton.

The waterworks at Old Buckenham supplies the parishes of Attleborough, Old Buckenham, New Buckenham, Banham, Kenninghall, East Harling, North Lopham, South Lopham, Garboldisham and Blo'Norton, together with the R.A.F. Stations at Old Buckenham and Fersfield.

The Watton Waterworks supplies the parish of Watton and the Watton R.A.F. Station.

There are also small waterworks at Croxton, which supplies Croxton village, Great Ellingham (Deopham) which supplies Great and Little Ellingham, and Wretham which supplies the War Department and the village, and small independent schemes at Rocklands, Roudham, and Thompson.

Routine samples of crude and treated water going into the supply are taken every three months, more if needed, and bacteriologically examined.

The waters do not appear to have any plumbo-solvent action.

Emergency Water Supplies.

Owing to the shortage of water in certain areas, tanks have been installed and water has been carted to four parishes, South Lopham, Blo'Norton, Croxton and Besthorpe Carr.

TREATMENT OF WATER.

The water at Old Buckenham is softened to 7.5/8.5 degrees, grains per gallon by Patterson Accelerator System, at Watton by Base Exchange Permutit to 8.0 degrees. Chlorination of water at both stations is carried out before the water enters the reservoir.

EXTENSIONS.

During the year 1948, extensions amounting to 18,532 yards have been carried out. The department has the following plant for main laying and maintenance work: 12/18 Allen Trencher, Bristol Path-dozer, Warsop Road Breaker, Benjo Power Rammer, Ford Mobile Workshop and Bedford Lorry.

The staff of the department numbers seventeen.

HOUSES SUPPLIED.**From Old Buckenham Waterworks.**

<i>Parish.</i>	<i>No. of houses in Parish.</i>	<i>No. supplied with water direct to houses.</i>	
		1947	1948
Attleborough	870	599	653
Old Buckenham	303	155	199
New Buckenham	132	82	105
Banham	289	110	161
Kenninghall	256	142	178
East Harling	318	207	226
North Lopham	174	79	93
South Lopham	130	56	62
Garboldisham	162	89	90
Blo'Norton	71	41	48
Besthorpe	170	8	50
Eccles	162	—	24
Morley, St. Peter	—	—	7
From Watton Waterworks.			
Watton	530	350	370
From Croxton Waterworks			
Croxton	72	12	18
From Air Ministry.			
Griston	—	—	8
From Roudham.			
Roudham and Bridgham	—	—	6
From Rocklands.			
Rocklands	—	—	12
From Wretham.			
Wretham	—	—	2
From Thompson.			
Thompson	—	—	12
From Great Ellingham.			
Great Ellingham	—	—	36
Little Ellingham	—	—	18
Total	3,307	1,950	2,378

The Dairy Farms taking water from the Public Mains number :—
1947 : 93 ; 1948 : 106.

**PUBLIC ANALYST'S CERTIFICATE OF ANALYSIS
OF WATER.**

Supply	Ammonia Free and Saline	Albuminoid	Chlorine in Chlorides	Nitrogen as Nitrates	Nitrites	Oxygen from Permanganate	Hardness Total	Bacteriological Colonies per ml. on agar at 37°C	Absent in ml.	Physical Characters
Old Buckenham ...	Nil	0.0007	2.5	Nil	Nil	Trace	6.3°	Nil	100ml.	Clear
Watton ...	Nil	0.0007	1.6	0.17	Nil	Trace	14.6°	2	100ml.	Clear

REMARKS.—Both these samples are pure and wholesome waters, in every way fit for drinking and all the purposes of a public supply.

30th March, 1949.

CERTIFICATE OF ANALYSIS.
(Bacteriological.)

Supply.	Colonies per ml. on agar at 37°C.	Coliform Organisms. McConkey 2 days at 37°C.
Wretham No. 1. Tap in Pump House (22.3.49) ...	None	Absent 100 ml.
Wretham No. 2. Standpipe near water tower (22.3.49)	1	Absent 100 ml.
Deopham (Site 7 Pumping Station). Tap in Pump House (22.3.49) ...	1	Absent 100 ml.
Public Standpipe, Croxton. Water Supply (22.3.49) ...	None	Absent 100 ml.

All these samples are of the highest bacteriological standard.

M. G. M. SHORT,
Waterworks Engineer.

STATISTICAL TABLES

DISTRIBUTION OF INFECTIOUS DISEASES

TABLE 1

Location	Scarlet Fever	Whooping Cough	Polio-myelitis	Measles	Pneumonia	Dysentery	Erysipelas	Ophthalmia Neonatorum	Puerperal Pyrexia	Tuberculosis	Malaria
Attleborough ...	3	19	1	57	-	1	1	-	-	-	-
Banham ..	-	-	-	33	-	-	-	-	-	1	1
Besthorpe ..	-	1	-	13	1	-	-	-	-	-	-
Brettenham ...	1	1	-	-	-	-	-	-	-	-	-
Bridgham ...	-	2	-	34	-	-	-	-	-	-	-
Buckenham (New)	-	-	1	4	-	-	-	-	1	1	-
Buckenham (Old)	-	4	-	46	-	-	-	-	-	-	-
Carbrooke ...	-	-	-	1	-	-	-	-	-	-	-
Caston ...	-	-	-	18	-	-	-	-	-	-	-
Croxton ...	-	2	-	14	-	-	-	-	-	1	-
Eccles ...	-	2	-	22	1	-	-	1	-	-	-
Ellingham (Great)	-	-	-	11	-	-	-	-	-	-	-
Ellingham (Little)	-	1	-	8	-	-	-	-	-	-	-
Garboldisham ...	-	2	-	-	-	-	-	-	-	-	-
Griston ...	-	-	-	5	-	-	-	-	-	-	-
Harling ...	-	3	-	1	1	-	-	-	-	-	-
Illington ...	-	-	-	3	-	-	-	-	-	-	-
Kenninghall ...	-	4	-	3	-	-	-	-	-	3	-
Kilverstone ...	-	1	-	3	-	-	-	-	-	-	-
Larling ...	-	-	-	-	1	-	-	-	-	-	-
Lopham (North)	1	-	-	-	-	-	-	-	-	1	-
Lopham (South)	-	-	-	3	-	-	-	-	-	1	-
Merton ...	-	-	-	2	-	-	-	-	-	-	-
Quidenham ...	1	1	-	3	-	-	-	-	-	-	-
Riddlesworth ...	-	2	-	2	-	-	-	-	-	-	-
Roudham ...	-	2	-	5	-	-	-	-	-	-	-
Rushford ...	-	3	-	1	-	1	-	-	-	-	-
Scoulton ...	-	-	-	3	-	-	-	-	-	-	-
Shropham ...	-	8	-	10	-	-	-	-	-	-	-
Snetterton ...	1	12	-	11	1	-	-	-	-	-	-
Stow Bedon ..	-	-	-	1	-	-	-	-	-	-	-
Thompson ...	-	-	-	2	-	-	-	-	-	-	-
Watton ..	-	-	-	37	3	-	-	-	-	1	-
Wilby ...	-	1	-	-	-	-	-	-	-	-	-
Wretham ..	-	1	-	3	-	-	-	-	-	1	-
TOTALS	7	72	2	359	8	2	1	1	1	10	1

INFECTIOUS DISEASES NOTIFIED DURING 1948

TABLE II

Disease	Under 1 year	1-3 years	3-5 years	5-10 years	10-15 years	15-25 years	25 years and over	Age unknown	Totals
Scarlet Fever	—	1	2	1	1	1	1	—	7
Diphtheria	—	—	—	—	—	—	—	—	—
Pneumonia	—	—	—	4	—	2	2	—	8
Erysipelas	—	—	—	—	—	—	2	—	2
Puerperal Pyrexia ...	—	—	—	—	—	1	—	—	1
Ophthalmia Neonatorum	1	—	—	—	—	—	—	—	1
Cerebro-Spinal Fever ...	—	—	—	—	—	—	—	—	—
Dysentery	—	—	—	—	—	2	—	—	2
Acute Poliomyelitis ...	—	—	—	2	—	—	—	—	2
Whooping Cough ...	5	20	16	26	5	—	—	—	72
Measles	2	41	69	168	47	15	15	2	359
Malaria	—	—	—	—	—	1	—	—	1
TOTALS	8	62	87	201	53	22	20	2	455

CAUSES OF DEATH, 1948.

TABLE III

					<i>Male.</i>	<i>Female.</i>
	All causes	...	...	...	116	110
1.	Typhoid and paratyphoid	...	...	...	—	—
2.	Cerebro-spinal fever	...	...	...	—	—
3.	Scarlet fever	...	...	...	—	—
4.	Whooping cough	...	...	...	—	—
5.	Diphtheria	...	...	...	—	—
6.	Tuberculosis of Respiratory system	...	...	...	2	2
7.	Other forms of tuberculosis	...	...	...	1	1
8.	Syphilitic diseases	...	...	...	—	—
9.	Influenza	...	...	...	—	—
10.	Measles	...	...	...	2	—
11.	Acute polio-myelitis and polioencephalitis	...	...	...	—	—
12.	Acute infantile encephalitis	...	...	...	—	—
13.	Cancer of buccal cavity, œsophagus (M) and uterus (F)	...	...	...	1	1
14.	Cancer of stomach and duodenum	...	...	...	3	1
15.	Cancer of breast	...	...	...	—	2
16.	Cancer of all other sites	...	...	...	16	16
17.	Diabetes	...	...	...	1	—
18.	Intra-cranial vascular lesions	...	...	...	13	11
19.	Heart disease	...	...	...	32	30
20.	Other diseases of circulatory system	...	...	...	10	6
21.	Bronchitis	...	...	...	5	2
22.	Pneumonia	...	...	...	2	5
23.	Other respiratory diseases	...	...	...	3	3
24.	Ulcer of stomach or duodenum	...	...	...	1	—
25.	Diarrhœa under 2 years	...	...	...	—	1
26.	Appendicitis	...	...	...	1	1
27.	Other digestive diseases	...	...	...	4	—
28.	Nephritis	...	...	...	2	—
29.	Puerperal and post-abortive sepsis	...	...	...	—	—
30.	Other maternal causes	...	...	...	—	—
31.	Premature birth	...	...	...	2	3
32.	Congenital malformations, birth injuries, and infantile diseases	...	...	...	5	1
33.	Suicide	...	...	...	—	1
34.	Road traffic accidents	...	...	...	1	—
35.	Other violent causes	...	...	...	2	2
36.	All other causes	...	...	...	7	11



