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Contributors

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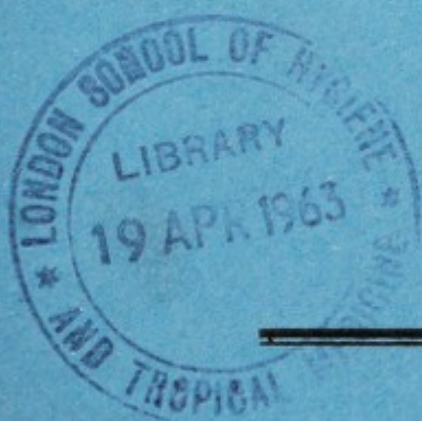
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MALDON
RURAL DISTRICT COUNCIL

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Annual Report
OF THE
MEDICAL OFFICER OF HEALTH
FOR



1956

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MALDON
RURAL DISTRICT COUNCIL

Annual Report
OF THE
MEDICAL OFFICER OF HEALTH

FOR
1956

PUBLIC HEALTH COMMITTEE, 1956

Chairman of the Council : Mr. A. M. Walker, J.P.

Vice Chairman of the Council : Mr. R. H. Beadle.

Chairman : Councillor Dr. J. G. Madden.

Vice Chairman : Councillor Mr. A. F. Ratcliff.

Members : Councillors Mrs. W. N. Nix.
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 Mr. W. Binder.
 Mr. H. G. Butt.
 Mr. J. Butt.
 Mr. A. Green.
 Mr. A. E. Hampton.
 Mr. J. C. Hurst.
 Mr. G. W. Playle.
 Mr. J. C. Williamson.

PUBLIC HEALTH STAFF.

<i>Clerk to the Rural District Council</i>	L. H. Hiscott
<i>Medical Officer of Health</i> ...	Thomas D. Blott, B.Sc., M.B., B.S., D.P.H., who also acts in this capacity for the Borough of Maldon, Urban District of Burnham-on-Crouch and the Rural District of Chelmsford.
<i>Surveyor and Water Engineer</i> ...	I. M. Nicholson, M.I.Mun.E., A.M.I.S.E.
<i>Senior Public Health Inspector</i>	G. L. Turner, M.R.San.I. Qualified Inspector of Meat and other Foods.
<i>Additional Public Health Inspector</i> ...	L. F. Newnham, M.R.San.I., Qualified Inspector of Meat and other Foods.
<i>Housing Assistant</i> ...	V. A. Arnold.
<i>Clerk to Public Health Inspectors</i>	Miss J. Cruess
<i>Clerk to Medical Officer of Health</i>	Mrs. E. M. Rezelman. (Part-time).

COUNCIL OFFICES,
WANTZ ROAD,
MALDON.

3rd October, 1957.

**To the Chairman and Members of the
Maldon Rural District Council**

MR. CHAIRMAN, LADIES AND GENTLEMEN,

I present for your consideration my Annual Report on the health and sanitary circumstances of your District for the year 1956.

The corrected birth rate for 1956 was 17.4 per thousand. This is higher than the national figure which was 15.6 per thousand.

The corrected death rate was 11.9 per thousand compared with the figure for England and Wales which was 11.7.

Seventy-eight per cent. of the deaths occurring in the area were over 65 years of age and 53 per cent. were over 75 years of age. There were six deaths under 1 year of age.

The number of notifiable infectious diseases, excluding tuberculosis, was 124 compared with 474 in the previous year. This decrease is due to the reduction in notifications for measles during 1956. There were no cases of poliomyelitis in the area during the year and immunisation against this disease is proceeding as rapidly as supplies of vaccine become available.

There were six new cases of tuberculosis notified during the year and no deaths from this disease.

The health of the area as a whole remained good and generally the County Council and local health services operated together with reasonable efficiency.

The services for the care of the aged need to be reviewed. At present the County Council provides an excellent Home Help Service but far too often it is not possible to use this because old

people living alone in remote cottages frequently allow conditions to deteriorate to such a degree that no-one is willing to take on their care in the home. Not unnaturally old people wish to remain in their homes as long as possible and it is often very difficult to decide the appropriate moment for their removal. Much of this difficulty could be overcome if the County Council were to provide a trained squad, with a car equipped with modern cleansing apparatus, which could be sent to such homes to clean them so that Home Helps would be willing to go in and look after the old persons. This service would not be economic for one small local authority but would undoubtedly pay handsome dividends if inaugurated by the County Council.

Another service for old people which is at the moment not being exploited effectively is that of chiropody. Many old persons in this district would enjoy a more active life if their feet could receive regular care and attention.

Many local authorities have accepted the idea of providing accommodation for District Nurses and Health Visitors. I think the question of providing accommodation for Home Helps, or persons willing to care for a number of elderly persons in the district, is a matter which could profitably receive further attention. The ageing population and the continued decline in the size of the average family means that this problem will grow with the years and to tackle it now would give reassurance to many faced with the prospects of a lonely old age.

I have to thank your Senior Public Health Inspector for the work that he has done towards preparing this report.

I have the honour to be, Ladies and Gentlemen,

Your obedient Servant,

T. D. BLOTT.

PREVALENCE OF AND CONTROL OVER INFECTIOUS DISEASES.

Notifiable Diseases (other than Tuberculosis) during 1956.

One hundred and twenty-four cases of notifiable diseases (exclusive of Tuberculosis) came under observation compared with four hundred and seventy-four for the previous year.

Notifiable Disease	Total Cases	Under 1	1-2	2-3	3-4	4-5	5-10	10-15	15-20	20-35	35-45	45-65	65 and over	Cases admitted to Hospital	Total
Scarlet Fever	5	—	—	—	1	1	3	—	—	—	—	—	—	—	—
Whooping Cough ..	79	8	6	7	3	6	47	1	—	1	—	—	—	—	—
Measles	17	—	—	3	2	2	8	1	—	1	—	—	—	—	—
Pneumonia	10	—	—	1	—	—	—	1	1	—	—	2	5	—	—
Food Poisoning	5	—	—	—	—	—	1	—	—	2	2	—	—	—	—
Acute Poliomyelitis ...	1	—	—	—	—	—	1	—	—	—	—	—	—	1	—
Erysipelas	1	—	—	—	—	—	—	—	—	—	—	1	—	—	—
Acute Infective Hepatitis	6	—	—	—	—	—	1	—	—	3	1	—	1	—	—
Dysentery	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals ...	124	8	6	11	6	9	61	3	1	7	3	3	6	1	—

No case of Diphtheria has been notified, during the last fifteen years, and no death, from this disease, has occurred during the last 21 years.

The tables of pages 8 and 6 classify cases according to age and parish.

Tuberculosis.

New Cases and Mortality during 1956.

Particulars are given in the following table of new cases of Tuberculosis and of deaths from the disease in the area during 1956.

Age Groups	* New Cases				Deaths			
	Respiratory		Non-Respiratory		Respiratory		Non-Respiratory	
	M.	F.	M.	F.	M.	F.	M.	F.
Under 1	—	—	—	—	—	—	—	—
1—5	—	—	—	—	—	—	—	—
5—10	—	—	—	—	—	—	—	—
10—15	—	—	—	—	—	—	—	—
15—20	—	—	—	—	—	—	—	—
20—25	—	—	—	—	—	—	—	—
25—35	—	1	1	—	—	—	—	—
35—45	—	—	—	—	—	—	—	—
45—55	1	—	—	—	—	—	—	—
55—65	3	—	—	—	—	—	—	—
65 and over	—	—	—	—	—	—	—	—
TOTAL'S	4	1	1	—	—	—	—	—

* Not including cases of Tuberculosis removed into the district during the year which had been previously notified elsewhere.

Table showing local distribution of infectious diseases notified during 1956.

PARISH	Scarlet Fever	Whooping Cough	Measles	Pneumonia	Food Poisoning	Acute Poliomyelitis	Erysipelas	Pulmonary Tuberculosis	Other forms of Tuberculosis	Acute Infective Hepatitis
Althorne ...	—	—	—	—	—	—	—	—	—	—
Asheldham ...	—	—	—	—	—	—	—	—	—	—
Bradwell-on-Sea ...	1	—	1	—	—	—	—	—	—	—
Great Braxted ...	—	—	—	—	—	—	—	—	—	—
Little Braxted ...	—	1	—	—	—	—	—	—	—	—
Cold Norton ...	—	—	—	—	—	—	—	—	—	—
Dengie ...	—	—	—	—	1	—	—	—	—	—
North Fambridge ...	—	—	—	2	—	—	—	—	—	—
Goldhanger... ..	—	—	—	1	—	1	—	—	—	—
Hazeleigh ...	—	—	—	—	—	—	—	—	—	—
Langford ...	—	—	—	—	—	—	—	—	—	—
Latchingdon ...	—	7	1	1	—	—	—	—	—	—
Mayland ...	—	4	—	—	3	—	—	—	—	2
Mundon ...	—	—	—	—	—	—	—	—	—	—
Purleigh ...	—	—	—	—	—	—	—	2	—	—
St. Lawrence ...	1	—	—	—	—	—	—	—	—	—
Southminster ...	2	—	—	—	—	—	1	—	1	—
Steeple ...	—	—	—	—	1	—	—	—	—	1
Stow Maries ...	—	—	—	—	—	—	—	—	—	—
Tillingham ...	—	3	1	—	—	—	—	—	—	—
Tollesbury ...	—	49	8	—	—	—	—	—	—	1
Tolleshunt D'Arcy ...	1	3	—	1	—	—	—	—	—	2
Tolleshunt Knights ...	—	—	—	—	—	—	—	—	—	—
Tolleshunt Major ...	—	—	—	2	—	—	—	—	—	—
Great Totham ...	—	2	—	1	—	—	—	—	—	—
Little Totham ...	—	—	—	—	—	—	—	—	—	—
Ulting ...	—	1	—	—	—	—	—	—	—	—
Wickham Bishops ...	—	1	1	2	—	—	—	1	—	—
Woodham Mortimer ...	—	—	2	—	—	—	—	—	—	—
Woodham Walter... ..	—	8	3	—	—	—	—	1	—	—
Totals ...	5	79	17	10	5	1	1	4	1	6

GENERAL PROVISION OF HEALTH SERVICES FOR THE AREA.

As from 5th July, 1948, all hospitals providing treatment (for patients in the area) have been transferred to Regional Hospital Boards.

INSTITUTIONAL PROVISION FOR UNMARRIED MOTHERS AND ILLEGITIMATE INFANTS IN THE AREA is provided by the Chelmsford Diocesan Moral Welfare Association. Provision for Homeless Children is provided by the Essex County Council.

AMBULANCE FACILITIES.

These are provided free to patients by the Essex County Council.

The ambulance depot for the area is at the Fire Station, London Road, Maldon.

CLINICS AND TREATMENT CENTRES (provided by the County Council).

Tuberculosis Dispensary :

St. Peter's Hospital, Maldon ; each Friday, 2—5 p.m.

Maternity and Child Welfare Centres :

Mayland	Henry Samuel Hall	4th Thursday in each month 2.30 p.m.	Doctor once each quarter
Bradwell-on-Sea	Village Hall	1st Wednesday in each month 2.30 p.m.	Doctor in attendance
South-minster	Baptist Chapel School Room	4th Monday in each month 2 p.m.	Doctor in attendance
Tollesbury	Institute	1st and 3rd Tuesdays in each month 2 p.m.	Doctor in attendance
Wickham Bishops	Church Room	2nd Wednesday in each month 2 p.m.	Doctor in attendance
Althorne	Village Hall	3rd Wednesday 2 p.m.	Doctor in attendance
Great Totham	Village Hall	4th Wednesday 2.30 p.m.	Doctor attends all sessions

Maternity and Child Welfare Centres—contd.

Cold Norton	Village Hall	4th Tuesday in each month 2 p.m.	Doctor in attendance
Tillingham	Village Hall	2nd Thursday in each month 2.30 p.m.	Doctor in attendance
Mundon	Victory Hall	1st Thursday in each month 2 p.m.	Doctor attends alternate months
Heybridge	Waring Hall	2nd and 4th Tuesdays in each month 2 p.m.	Doctor attends 2nd Tuesday
Maldon	Health Centre	Every Friday 2 p.m.	Doctor attends 1st, 3rd, and 5th Fridays
*Woodham Walter	Women's Institute Club Room	3rd or 5th Thursday in each month 2.30 p.m.	Doctor in attendance
*This Clinic has the Medical Officer in attendance only when there are 5 Thursdays in the month and the Clinic is held on that Thursday instead of 3rd Thursday.			
Goldhanger	Village Hall	3rd Thursday in each month 2 p.m.	Doctor in attendance
Tolleshunt D'Arcy	Village Hall	1st Thursday in each month 2.30 p.m.	Doctor in attendance alternate months
Great Braxted	Du Cane Arms	1st Wednesday in each month 2.30 p.m.	Weighing centre No doctor in attendance
Woodham Mortimer	Village Hall	2nd Thursday in each month 2—4 p.m.	No doctor in attendance
Latchingdon	Village Hall	4th Wednesday in each month	Doctor attends all sessions

Ante-Natal Clinics

Health Centre, Wantz Chase, Maldon	3rd and 5th Tuesday in each month 9.30 a.m.	Doctor in attendance
Institute, Tollesbury	3rd Monday 2 p.m	Doctor in attendance

Women's Welfare Clinic :

Health Centre, Wantz Chase, Maldon	5th Tuesday 10 a.m.	Doctor in attendance
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School Clinics :

Orthopaedic After Treatment Centre	Health Centre, Wantz Chase, Maldon	By appointment
Minor Ailments Clinic	Health Centre, Wantz Chase, Maldon	1st, 3rd & 5th Fridays 9.30 a.m.—12 noon. Doctor in attendance
Eye Clinic	St. Peter's Hospital, Maldon	By appointment
Speech Therapy	Health Centre, Wantz Chase, Maldon	By appointment

Dental Clinics are also held at the Maldon Health Centre and other places in the district as and when required.

For operative treatment for the removal of Adenoids and enlarged Tonsils arrangements have been made by the Essex County Education Committee at the following hospitals :—

Chelmsford and Essex, Chelmsford ; St. John's, Chelmsford and Essex County, Colchester.

Treatment Centres for Venereal Diseases :

These are situated at Chelmsford and Colchester Hospitals Oldchurch County Hospital, Romford, and a number of London General Hospitals.

PROFESSIONAL NURSING IN THE HOME.

(a) General Nursing—this is under the supervision of the County Council.

(b) Infectious Diseases. No arrangements have been made by the District Council.

HOME HELPS. Are provided by the County Council.

LABORATORY FACILITIES. These services are provided by the Essex County Council and Medical Research Council.

During the year no action was taken under Section 47 of National Assistance Act, 1948 (Removal to suitable premises of persons in need of care and attention).

Section 50 of the National Assistance Act, 1948, made the district council responsible for the burial or cremation of the body of any person who has died or been found dead in their area, where no suitable arrangements for the disposal of the body have been or are being made otherwise than by the authority.

Since the passing of the act the following burials were carried out.

1948	...	...	...	...	—
1949	...	...	...	...	1
1950	...	...	...	...	1
1951	...	...	...	...	2
1952	...	...	...	...	1
1953	...	...	...	...	2
1954	...	...	...	...	2
1955	...	...	...	...	2
1956	...	...	...	...	1
Total ...					12

PUBLIC CLEANSING

Nightsoil.

A weekly nightsoil collection from all parishes in the area is carried out by private contractors.

Refuse.

A weekly refuse collection is carried out by contractors in the parishes of Southminster and Tollesbury.

The remaining parishes are serviced monthly for the collection of tins and bottles by private contractors and direct labour.

SANITARY INSPECTION OF THE AREA.

The following table, prepared by the Sanitary Inspector is a classified statement of the number of premises visited, the defects or nuisances discovered, and the action and result of action taken in regard to these.

Parishes		Number of Premises visited		Defects or Nuisances discovered		Action taken		Result	
Southminster									
Tollesbury									
Other parishes									
Total									

SANITARY INSPECTION OF THE AREA.

INSPECTIONS		NOTICES		
Nature	Number	Informal	Formal	Total complied with
Dwelling Houses :				
Under Housing Regs.	206	—	—	—
Primary Inspections Re :				
Structural Defects	88	11	—	5
Nuisances	60	27	—	25
Overcrowding	63	—	—	—
Dirty conditions	27	—	—	—
Re Inspections :				
Under Housing Regs.	381	—	—	—
Re Structural defects	76	—	—	—
Nuisances	68	—	—	—
Overcrowding	67	—	—	—
Dirty Conditions	28	1	—	1
Verminous Premises :				
Rats and Mice	35	—	—	—
Other Pests	12	1	—	1
Infectious Diseases				
Inquiries	9	—	—	—
Disinfections	—	—	—	—
Sewage and Drainage :				
House Drainage Inspections	249	22	—	19
Tests	54	—	—	—
Other Forms Inspections	49	—	—	1
Tests	9	—	—	—
Inspections re cesspools	118	9	—	7
Inspections re sewerage	41	—	—	—
Sanitary Conveniences :				
Dwelling Houses	140	—	—	1
Other Premises	75	1	—	1
Water Supply :				
Samples taken	20	—	—	—
Other visits	181	1	—	—
Milk and Dairies Inspections :				
Cowsheds	1	—	—	—
Dairies	4	—	—	—
Milk samples taken	—	—	—	—
Food Inspection :				
Meat	426	—	—	—
Other Foods	33	—	—	—
Inspections Re :				
Licensed Premises	22	—	—	—
Offices	1	—	—	—
Bakehouses	28	—	—	—
Slaughterhouses	439	—	—	—
Butchers' Shops	77	—	—	—
Food Shops	50	—	—	—
Other Shops	2	—	—	—
Ice Cream, Man. Premises	6	—	—	—
Ice Cream, Dealers' Premises	22	—	—	—
Man. Food Premises	36	—	—	—
Restaurants	34	—	—	—
Factories with Mech.	48	—	—	—
Factories without Mech.	3	—	—	—
Workplaces	—	—	—	—
Outworkers Premises	9	—	—	—
Places of Entertainment	—	—	—	—
Knackers' Yards	12	—	—	—
Refuse and Salvage	80	2	—	4
Schools	24	—	—	—
Rivers, Ditches and Streams	58	13	—	10
Swimming Pools	7	—	—	—
Movable Dwelling	36	1	—	1
Fried Fish Shops	3	—	—	—
Stables and Piggeries	3	—	—	—
Houseboats	3	—	—	—
Miscellaneous Inspections	87	—	—	—
TOTALS	3610	89	—	76

Smoke Abatement. No cause for action occurred throughout the year.

Swimming Baths and Pools. There is a small open-air salt-water pool at Tollesbury.

Knackers' Yards. There is one in the district, situated in the parish of Purleigh.

Moveable Dwellings. During the year 13 licences to site moveable dwellings were granted under Section 269 of the Public Health Act, 1936.

Houseboats. During the year 15 licences to moor or place houseboats were granted under the Essex County Council Act, 1952, Part VII. These are situated in the parishes of Althorne, North Fambridge, Latchingdon and Tollesbury.

Bakehouses. There are 11 in the district, situated in the following parishes :— Goldhanger 1, Purleigh 2, Stow Maries 1, Tillingham 1, Tolleshunt D'Arcy 1, Tollesbury 3, and Wickham Bishops 2.

Regular inspections are carried out. On each inspection the conditions were found satisfactory.

ADMINISTRATION OF THE FACTORIES ACT, 1937.

1.—**Inspections** for the purposes of provisions as to health.
Including inspections made by Sanitary Inspectors.

Premises	Number on Register	Number of		
		Inspections	Written Notices	Occupiers Prosecuted
(i) Factories in which Sections 1, 2, 3, 4 and 6 are to be enforced by Local Authorities	14	3	—	—
(ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority	55	48	—	—
(iii) Other Premises in which Section 7 is enforced by the Local Authority (excluding out-workers' premises)	1	—	—	—
TOTAL ...	70	51	—	—

2.—**Cases in which Defects were found.**

Particulars	Number in which defects were found				Number of Cases in which Prosecutions were Instituted
	Found	Remedied	Referred to H.M. Inspector	Referred by H.M. Inspector	
Want of Cleanliness (S.1)	6	6	—	—	—
Overcrowding (S.2) ...	—	—	—	—	—
Unreasonable Temperature (S.3) ...	—	—	—	—	—
Inadequate Ventilation (S.4)	—	—	—	—	—
Ineffective Drainage of Floors (S.6)	—	—	—	—	—
Sanitary Conveniences (S.7):					
Insufficient	—	—	—	—	—
Unsuitable or Defective	—	—	—	—	—
Not separate for sexes	—	—	—	—	—
Other Offences against the Act (not including offences relating to out-work)	—	—	—	—	—
TOTAL ...	6	6	—	—	—

OUTWORK (Sections 110-111)

Nature of Work	Section 110			Section 111		
	No. of out-workers in August list required by Sect. 110 (1) (c) (3)	No. of cases of default in sending lists to the Council	No. of prosecutions for failure to supply lists	No. of instances unwholesome premises	Notices Served	Prosecutions
Wearing apparel { Making etc. Cleaning and washing ...	12	—	—	—	—	—
	—	—	—	—	—	—
Total	12	—	—	—	—	—

INSPECTION AND SUPERVISION OF FOOD.

Milk Supply.

There are 20 distributors (non-producers) of milk in the district which are supervised by the District Council.

Meat Inspection.

There are licensed in the District five slaughterhouses. A regular inspection is made of all animals killed and the following table shows the number killed throughout the year and the amount of meat condemned as unfit for human consumption.

Carcases and Offal Inspected and Condemned in whole or in part during 1956.

	Cattle Excluding Cows	Cows	Calves	Sheep and Lambs	Pigs	Horses
Number killed (if known)	762	180	106	1,584 ^r	1,717	—
Number inspected	762	180	106	1,584	1,717	—
<i>All diseases except Tuberculosis and Cysticerci</i> Whole carcases condemned	—	—	—	—	1	—
Carcases of which some part or organ was condemned	75	16	2	28	39	—
Percentage of the number inspected affected with disease other than tuberculosis and cysticerci	9.84	8.89	1.89	1.77	2.33	—
<i>Tuberculosis only :</i> Whole carcases condemned	1	—	1	—	1	—
Carcases of which some part or organ was condemned	39	16	—	—	8	—
Percentage of the number inspected affected with tuberculosis	5.25	8.89	0.94	—	0.52	—
<i>Cysticercosis :</i> Carcases of which some part or organ was condemned	—	—	—	—	—	—
Carcases submitted to treatment by refrigeration	—	—	—	—	—	—
Generalised and totally condemned	—	—	—	—	—	—

WATER SUPPLY.

By the end of 1956 a piped water supply from the mains owned by the District Council was available to 94 per cent of the population. The figures for each parish are set out in the table on page 21.

The supply is augmented from two local works :—

Springs at Warren Bottom and Jacobs Well, Woodham Walter.

Springs at Asheldam.

The supplies from these two works are chlorinated.

THURSTABLE HUNDRED WATER SCHEME

Under the Southend Waterworks Act and the South Essex Waterworks Act, the District Council has certain legal rights to be supplied by these companies with a bulk supply of water. The following table gives details of the water supplied to the District for the year ending 31st March, 1957 :—

Source of Supply	Total Gallons	Average Daily
South Essex Waterworks Co. ...	121,683,000	333,000
Southend Waterworks Co. ...	9,005,000	25,000
Lexden and Winstree R.D.C. ...	4,235,000	12,000
Total Amount Purchased ...	134,923,000	370,000
<i>Own Supplies—</i>		
Asheldam	6,498,000	17,000
Warren Bottom, Woodham Walter	36,443,000	100,000
Jacobs Well, Woodham Walter ...	21,652,000	60,000
Total	64,593,000	177,000
Total supplied from all Sources ...	199,516,000	547,000

The total amount of water supplied for the previous year was 207,660,000 gallons. During 1956-1957 there were 741 meters in use for non-domestic purposes.

Daily consumption per head per day on an estimated population of 15,300 was :—

Domestic ...	22 gallons
Trade ...	14 gallons
Total ...	36 gallons

Summary of Work Carried Out by Waterworks Department

<i>Description</i>	<i>Year ending</i> 31.3.56	<i>Year ending</i> 31.3.57	<i>Increase or</i> <i>Decrease</i>
New services installed ...	92	68	24 D
New meters installed ...	23	28	5 I
Meters changed on existing supplies ...	40	82	42 I
Meters removed from existing supplies ...	7	6	1 D
Services repaired ...	117	170	53 I
Services disconnected ...	2	4	2 I
Mains repaired ...	43	47	4 I
New Valves and Hydrants fixed ...	32 V 49 H	30 V 44 H	2 D 5 D
Valves and Hydrants repaired	16 V 24 H	28 V 36 H	12 I 12 I
New mains laid ...	1317 yds.	1332 yds.	
Mains renewed ...	3105 yds.	3094 yds.	

Total mileage of Water Mains of all sizes at 31.3.57, 157 miles.

During the year, water mains have been renewed at—

Flanderswycke, Fambridge Road, Purleigh.
Marlpits Road, Purleigh.

And new mains have been laid at—

West Street, Tollesbury.
Marlpits Road, Purleigh.

DENGIE HUNDRED WATER SUPPLY

During the year a start was made on the laying of a 12" trunk main from the Southend Waterworks trunk main at Hawes Wood, Stow Maries to Bradwell-on-Sea to serve the Nuclear Power Station now being constructed.

**RECORD OF HABITABLE HOUSES AND WATER
SUPPLY AS AT 31st DECEMBER, 1956.**

PARISH	Habitable Houses (not including Huts or Vans)	No. of Houses on Domestic Water Supply	Within 100 yds. of water main but not supplied	Where piped water supply is not available
Althorne	159	159	—	—
Asheldam	52	50	—	2
Bradwell-on-Sea	253	244	4	5
Braxted, Great	122	84	11	27
Braxted, Little	43	41	2	—
Cold Norton	133	133	—	—
Dengie	51	43	—	8
Fambridge, North	101	100	—	1
Goldhanger	183	174	5	4
Hazeleigh	38	38	—	—
Langford	59	44	1	14
Latchingdon	249	249	—	—
Mayland	160	155	5	—
Mundon	98	98	—	—
Purleigh	309	307	—	2
St. Lawrence	118	117	1	—
Southminster	532	512	2	18
Steeple	139	136	1	2
Stow Maries	61	61	—	—
Tillingham	269	241	19	9
Tollesbury	576	566	7	3
Tolls, D'Arcy	288	263	14	11
Tolls, Knights	143	143	—	—
Tolls, Major	125	116	3	6
Totham, Great	439	421	9	9
Totham, Little	88	75	4	9
Ulting	44	27	—	17
Wickham Bishops	289	240	10	39
Woodham Mortimer... ..	127	123	3	1
Woodham Walter	176	139	16	21
TOTALS	5424	5099	117	208

Number of properties served by communal standpipes.

<i>Parish</i>	<i>No. of Standpipes</i>	<i>Properties served</i>
T. Major, Pennysbrook ...	1	7

**Number of Properties in District receiving water supply
other than from Maldon Rural District Council.**

Langford and Ulting	...	16	Supplied direct by Southend Waterworks
Cold Norton		5	Supplied direct by Southend Waterworks
Ulting		3	Supplied by Braintree R.D.C.
Woodham Mortimer	...	4	Supplied by Maldon Borough Council
Goldhanger		1	Supplied by Maldon Borough Council
Little Totham		4	Supplied by Maldon Borough Council

**Number of Properties outside Maldon Rural District
supplied by Maldon Rural District Council.**

Witham		9
Maldon		5

Sample of Water from Woodham Walter Pumping Station

						<i>Chemical Results in Parts per Million</i>
Appearance	...	...	...	...	...	Clear and Bright
Turbidity	...	...	...	...	...	Nil
Colour	...	...	...	...	...	Nil
Odour	...	...	...	...	...	Slight chlorinous
pH	...	...	...	...	...	6.5
Free Carbon Dioxide	...	...	...	...	...	20
Electric Conductivity	...	...	...	...	...	410
Total Solids	...	...	...	...	...	275
Chlorine present as Chloride	...	...	...	...	...	37
Alkalinity as Calcium Carbonate	...	...	...	...	...	45

*Chemical Results in
Parts per Million*

Hardness :	Total	...	...	...	155
	Carbonate		...	...	45
	Non-carbonate		...	...	110
Nitrate Nitrogen	...	...	...	...	5.2
Nitrite Nitrogen	...	...	...	...	Approx. 0.01
Ammoniacal Nitrogen	...	...	...	...	0.000
Oxygen absorbed	...	...	...	...	0.10
Albuminoid Nitrogen	...	...	...	...	0.008
Residual Chlorine	...	...	...	...	0.3
Metals	...	...	...	...	Absent
Fluorine	...	...	...	...	0.2

Bacteriological Results

Number of Colonies developing on Agar

1 day at 37°C.	0 per ml.
2 days at 37°C.	1 per ml.
3 days at 20°C.	0 per ml.

Presumptive Coli-aerogenes Reaction :

Absent 100 ml.

Bact. coli (Type 1)

Absent 100 ml.

Cl. Welchii Reaction

Absent 100 ml.

Report

This sample is clear and bright in appearance and is free from metals. It has, however, a reaction on the acid side of neutrality on account of which it will show corrosive characteristics. The hardness of the water and its content of mineral and saline constituents are very moderate and its organic quality and bacterial purity are of a high standard.

These results are indicative of a water which is pure and wholesome in character and suitable for public supply purposes.

SOUTH ESSEX WATERWORKS COMPANY

ANALYSIS OF SAMPLES OF WATER PUMPED FROM THE WORKS AT LANGHAM AND LAYER-DE-LA-HAYE.

(CHEMICAL RESULTS IN PARTS PER MILLION)

	Langham	Layer-de-la-Haye
Appearance	Clear and Bright	Clear and Bright
Colour A.P.H.A.	10	Under 10
Turbidity, silica scale ...	Under 0.5	Under 0.5
Odour	Nil	Nil
Taste	Nil	Nil
Electric Conductivity 20°C.	750	530
Total solids 180°C.	525	371
Reaction P.H.	7.90	7.82
Residual Chlorine	0.28	0.27
Chlorides as Cl.	42	42
Nitrate Nitrogen	3.2	0.9
Nitrites as N	Nil	Nil
Hardness, Non-carbonate ...	119	119
„ Carbonate	276	135
„ Total	395	254
Free Ammonia	0.16	0.13
Albuminoid Nitrogen	0.07	0.15
Oxygen absorbed 4hrs. 27°C.	0.95	1.30
Metals (Iron)	Nil	Nil
Colony Count per m.l. 1 day at 37°C.	4	5
Ditto at 20°C.	(3 days) 40	(4 days) 35
Presumptive col absent in ...	100 M.L.	100 M.L.
Bact. Coli absent in	100 M.L.	100 M.L.
Cl. Welchii	Present	Present
Reaction	Absent	Absent

Sample of Water from the Mains of the Southend Water-works Company.

						<i>Chemical Results in Parts per Million</i>
Appearance	...	...	...	...	...	Bright with a few particles.
Turbidity	...	...	...	...	...	Less than 3
Colour	...	...	...	...	...	Nil
Odour	...	...	...	...	...	Nil
pH	...	...	...	...	...	9.1
Free Carbon Dioxide	...	...	...	...	...	Absent
Electric Conductivity	...	...	...	...	...	590
Total Solids	...	...	...	...	...	395
Chlorine present as Chloride	...	...	...	...	...	54
Alkalinity as Calcium Carbonate	...	...	...	...	...	20
Hardness : Total	...	...	...	...	...	125
Carbonate	...	...	...	...	...	20
Non-carbonate	...	...	...	...	...	105
Nitrate Nitrogen	...	...	...	...	...	6.0
Nitrite Nitrogen	...	...	...	...	...	0.1 Approx.
Ammoniacal Nitrogen	...	...	...	...	...	0.22
Oxygen Absorbed	...	...	...	...	...	1.2
Albuminoid Nitrogen	...	...	...	...	...	0.079
Residual Chlorine	...	...	...	...	...	0.30 at time of sampling.
Metals	...	...	...	...	...	Iron: less than 0.03, other metals absent.

Bacteriological Results

Number of Colonies developing on Agar :

1 day at 37°C. 0 per ml.

2 days at 37°C. 0 per ml.

3 days at 20°C. 0 per ml.

Presumptive Coli-aerogenes Reaction :

Absent 100 ml.

Bact. coli. (Type I)

Absent 100 ml.

Cl. Welchii Reaction

Absent 100 ml.

Report

This sample is practically clear and bright in appearance. It is alkaline in reaction, but not to an excessive degree. The hardness of the water and its content of mineral and saline constituents are very moderate. It is of satisfactory organic quality and of a high standard of bacterial purity.

These results are indicative of a water which is pure and wholesome in character and suitable for public supply purposes.

Sample of Water from Asheldham Pumping Station

						<i>Chemical Results in Parts per Million</i>
Appearance	...	...	...	...	...	Bright with very few mineral particles.
Turbidity	...	...	...	...	...	Less than 3.
Colour	...	...	...	...	...	Nil
Odour	...	...	...	...	...	Faint chlorinous.
pH	...	...	...	...	...	5.7
Free Carbon Dioxide	...	...	...	...	...	32
Electric Conductivity	...	...	...	...	...	440
Total Solids	...	...	...	...	...	295
Chlorine present as Chloride	...	...	...	...	...	33
Alkalinity as Calcium Carbonate	...	...	...	...	...	13
Hardness : Total	...	...	...	...	...	165
Carbonate	...	...	...	...	...	13
Non-carbonate	...	...	...	...	...	152
Nitrate Nitrogen	...	...	...	...	...	16
Nitrite Nitrogen	...	...	...	...	...	Absent
Ammoniacal Nitrogen	...	...	...	...	...	0.010
Oxygen Absorbed	...	...	...	...	...	0.15
Albuminoid Nitrogen	...	...	...	...	...	0.017
Residual Chlorine	...	...	...	...	...	0.11
Metals	...	...	...	...	...	Absent

Bacteriological Results

Number of Colonies developing on Agar

1 day at 37°C.	0 per ml.
2 days at 37°C.	0 per ml.
3 days at 20°C.	0 per ml.

Presumptive Coli-aerogenes Reaction :

Absent 100 ml.

Bact. coli (Type 1)

Absent 100 ml.

Cl. Welchii Reaction :

Absent 100 ml.

Report

This sample is practically clear and bright in appearance. It is free from metals but it has an acid reaction on account of which it will show corrosive characteristics. The hardness of the water is moderate. The organic quality and bacterial purity are of a high standard.

These results are indicative of a water which is pure and wholesome in character and suitable for public supply purposes, apart from the likelihood of corrosive characteristics due to its slightly acid reaction.

DRAINAGE AND SEWERAGE

Southminster and Tollesbury

Practically the whole of the sewers and the sewage works are now completed and it is anticipated that early in 1957 these should be in full operation.

Tillingham

These works are obsolete and it is suggested that in the near future consideration should be given to a new disposal works and the re-sewering of the village.

Wickham Bishops and Great Totham

Surveys are now being made and plans prepared for the sewerage of the main parts of Wickham Bishops and Great Totham.

HOUSING

Statistics for the Year, 1955.

Number of new houses erected during the year :—

Total	35
(i) By the Local Authority	—
(ii) By other bodies and persons	35

The following table classifies the houses erected and owned by the District Council into Parlour and Non-Parlour types.

PARISH	Parlour Type	Non-Parlour Type	Totals
Althorne	—	—	—
Asheldham	5	2	7
Bradwell-on-Sea	12	6	18
Braxted, Great	12	6	18
Braxted, Little	—	4	4
Cold Norton	—	10	10
Dengie	—	8	8
Fambridge North	—	—	—
Goldhanger	8	58	66
Hazeleigh	—	6	6
Langford	—	—	—
Latchingdon	26	34	60
Mayland	—	12	12
Mundon	10	12	22
Purleigh	8	37	45
St. Lawrence	—	—	—
Southminster	54	43	97
Steeple	10	12	22
Stow Maries	6	12	18
Tillingham	20	10	30
Tollesbury	48	20	68
Tolleshunt D'Arcy	46	16	62
Tolleshunt Knights	—	10	10
Tolleshunt Major	6	11	17
Totham, Great	61	33	94
Totham, Little	4	7	11
Ulting	—	—	—
Wickham Bishops	31	26	57
Woodham Mortimer	12	6	18
Woodham Walter	14	12	26
TOTALS	393	413	806

The total includes six Coastguard cottages (parlour) re-erected on a new site in Bradwell-on-Sea and buildings at Asheldham and Southminster converted into six dwellings, nine cottages (non-parlour) purchased by the Council at Wickham Bishops, and eighteen agricultural cottages (parlour) at Asheldham (4), Southminster (4), Steeple (6) and Tolleshunt D'Arcy (4).

Table showing Census Population 1951 and 1931, and Number of Houses Census 1951 and December, 1956.

PARISH	Area in statute acres (land and inland water)	Tidal water and fore-shore	Number of Houses 1951	Census Population		Number of Houses at end of Dec. 1956 excl. of hutments
				1951	1931	
Althorne ...	2080	255	150	451	390	159
Asheldham ...	1310	—	51	170	168	52
Bradwell-on-Sea ...	5221	4230	217	680	657	253
Braxted Great ...	2634	—	115	363	282	122
Braxted Little ...	622	—	45	162	116	43
Cold Norton ...	1692	—	129	401	384	133
Dengie ...	2856	1186	45	165	192	51
Fambridge North...	1242	107	86	278	168	101
Goldhanger ...	1622	—	157	462	353	183
Hazeleigh ...	991	—	34	114	114	38
Langford ...	991	3	44	153	169	59
Latchingdon ...	3992	207	188	595	419	249
Mayland ...	1870	—	141	426	360	160
Mundon ...	3312	—	91	324	251	98
Purleigh ...	5535	87	279	886	770	309
St. Lawrence ...	2139	324	50	151	71	118
Southminster ...	6512	828	472	1444	1403	5 2
Steeple ...	2709	47	106	330	343	139
Stow Maries ...	1610	82	56	182	165	61
Tillingham ...	4928	2593	241	683	670	239
Tollesbury ...	4839	2019	539	1594	1694	576
Tolleshunt D'Arcy...	4104	415	248	758	748	288
Tolleshunt Knights	1926	—	133	405	252	143
Tolleshunt Major ...	2253	2	126	403	370	125
Totham Great ...	3589	—	395	1221	982	439
Totham Little ...	1281	—	86	292	293	88
Ulting ...	1034	—	44	132	143	44
Wickham Bishops...	1606	—	275	866	639	289
Woodham Mortimer	1387	—	105	341	268	127
Woodham Walter ...	2620	—	173	531	514	176
TOTALS ...	78507	12385	4821	14963	13348	5424

STATISTICS AND SOCIAL CONDITIONS OF THE AREA.

Area (acres)	...	...	...	78,507 (land and inland water)
Home Population (estimated June, 1956)				15,050
Census Population, 1951	...	...	14,963 (males 7,331, Females 7,632)	
Census Population, 1931	...	...	...	13,348
Number of inhabited houses 1951 census	...	...	...	4,821
Estimated number of houses at end of 1956	...	...	...	5,424
Rateable Value at 1st April, 1956	...	...	...	£143,110
Product of a Penny Rate for the year ending :—				
31st March, 1956	...	...	...	£410 5 3
31st March, 1957	...	...	...	£555 4 4
Persons per household at Census 1951	...	...	...	3.08
Persons per household at Census 1931	...	...	...	3.39

Except in certain centres, the District is sparsely populated. Nearly half of the population is directly or indirectly dependent upon agriculture.

EXTRACTS FROM VITAL STATISTICS OF THE YEAR.

			<i>Male</i>	<i>Female</i>	<i>Total</i>
Live Births.	Legitimate	...	107	102	209
	Illegitimate	...	11	8	19
Still Births.	Legitimate	...	1	1	2
	Illegitimate	...	—	—	—
Crude birth rate per thousand of the population					15.1
Corrected birth rate per thousand of the population					17.4
Birth rate for England and Wales per thousand of the population					15.6

			<i>Male</i>	<i>Female</i>	<i>Total</i>
Deaths	...	...	111	110	221
Crude death rate per thousand of the population					14.7
Corrected death rate per thousand of the population					11.9
Death rate for England and Wales per thousand of the population					11.7

Deaths :—

Pregnancy, Childbirth, Abortion	...	...	...	—
Number of deaths of infants under 1 year of age :—				
Males 2 (illegitimate Nil), Females 4 (illegitimate Nil)				
				Total 6

Deaths of Infants under 1 year of age :—

Legitimate per 1,000 Legitimate Live Births	...	26.3
Illegitimate „ „ Illegitimate „ „	...	Nil

Deaths from Malignant neoplasms (all ages)	...	26
„ „ Measles (all ages)	...	Nil
„ „ Whooping Cough (all ages)	...	Nil
„ „ Diarrhoea (under 2 years of age)	...	Nil

The following tabular statements give details of the number of deaths classified according to age and cause :—

Age			Number of deaths							
			Occurring in district		Of non-residents occurring in district		Of residents occurring outside district		Allotted to district	
			M	F	M	F	M	F	M	F
Under 1 year	...	...	1	—	—	—	1	4	2	4
1 and under	2	...	—	—	—	—	—	—	—	—
2 „ „	5	...	—	—	—	—	—	—	—	—
5 „ „	15	...	—	—	—	—	—	—	—	—
15 „ „	25	...	—	—	—	—	1	—	1	—
25 „ „	35	...	—	—	—	—	1	—	1	—
35 „ „	45	...	3	3	—	—	2	2	5	5
45 „ „	55	...	2	2	—	—	2	3	4	5
55 „ „	65	...	6	8	—	—	5	2	11	10
65 „ „	75	...	18	8	—	—	14	15	32	23
75 and over	...	...	32	33	—	2	23	32	55	63
TOTALS	...	...	62	54	—	2	49	58	111	110
GRAND TOTALS	...	...	116		2		107		221	

Causes of Death	Males	Females	Totals
Tuberculosis, respiratory. ...	—	—	—
Tuberculosis, other ...	—	—	—
Syphilitic disease... ...	—	—	—
Diphtheria ...	—	—	—
Whooping Cough... ...	—	—	—
Meningococcal Infections ...	—	—	—
Acute Poliomyelitis ...	—	—	—
Measles ...	—	—	—
Other Infective and Parasitic Diseases	—	—	—
Malignant Neoplasm, Stomach ...	4	—	4
Malignant Neoplasm, Lung, Bronchus	—	2	2
Malignant Neoplasm, Breast ...	—	1	1
Malignant Neoplasm, Uterus ...	—	1	1
Other Malignant and Lymphatic Neoplasms	8	10	18
Leukaemia, Aleukaemia... ...	—	—	—
Diabetes ...	—	—	—
Vascular Lesions of Nervous System ...	18	21	39
Coronary Disease, Angina ...	19	11	30
Hypertension with Heart Disease ...	3	3	6
Other Heart Disease ...	22	28	50
Other Circulatory Disease ...	6	5	11
Influenza ...	—	1	1
Pneumonia ...	7	3	10
Bronchitis... ...	8	5	13
Other Diseases of Respiratory System	—	—	—
Ulcer of Stomach and Duodenum ...	—	—	—
Gastritis, Enteritis and Diarrhoea ...	1	2	3
Nephritis and Nephrosis ...	1	2	3
Hyperplasia of Prostate ...	—	—	—
Pregnancy, Childbirth, Abortion ...	—	—	—
Congenital Malformations ...	—	1	1
Other defined and ill-defined diseases ...	11	10	21
Motor vehicle accidents ...	2	2	4
All other accidents ...	1	1	2
Suicide ...	—	1	1
Homicide and operations of war ...	—	—	—
Totals ...	111	110	221

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