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**Contributors**

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MALDON  
RURAL DISTRICT COUNCIL



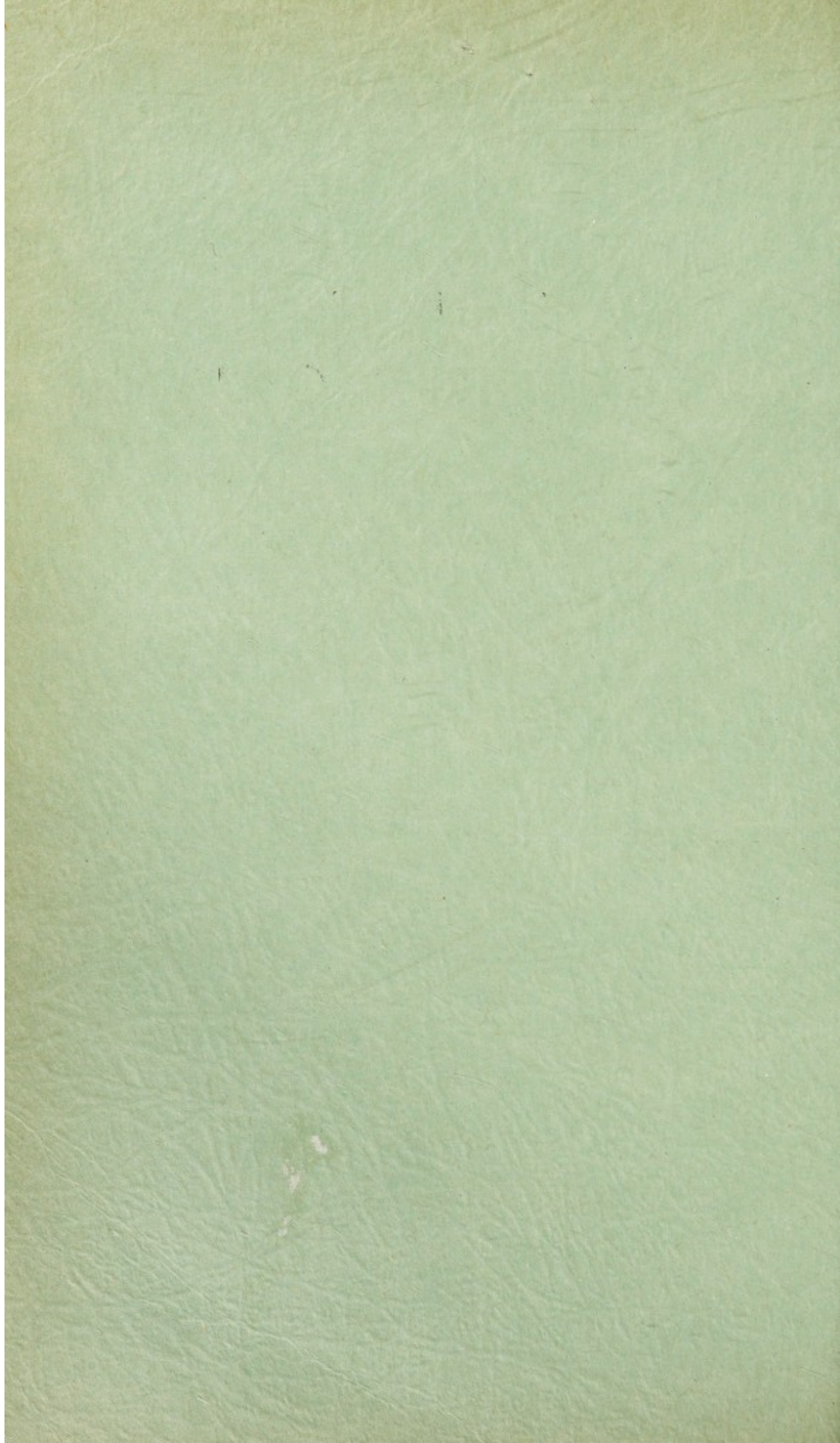
*Annual Report*

OF THE  
**MEDICAL OFFICER OF HEALTH**

FOR  
**1959**



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MALDON  
RURAL DISTRICT COUNCIL

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**PUBLIC HEALTH COMMITTEE, 1959**

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

*Vice Chairman of the Council* : Mr. W. Binder.

*Chairman* : Councillor Dr. J. G. Madden.

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

*Members* : Councillors Mrs. W. N. Nix.

Mr. G. H. Barber.

Mr. H. G. Butt.

Mr. J. Butt.

Mr. A. B. Foxlee.

Mr. A. Green.

Mr. A. E. Hampton.

Mr. M. J. Parker.

Mr. G. W. Playle.

Sqn. Ldr. J. C. Williamson, M.B.E., C.C.

**PUBLIC HEALTH STAFF.**

---

- Clerk to the Rural District Council*    L. H. Hiscott
- Medical Officer of Health*    ...    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.
- Surveyor and Water Engineer* ...    I. M. Nicholson, M.I.Mun.E.,  
A.M.I.S.E.
- Senior Public Health Inspector*    G. L. Turner, M.R.S.H., Quali-  
fied Inspector of Meat and  
other Foods.
- Additional Public Health  
Inspector*    ...    L. F. Newnham, M.R.S.H.,  
Qualified Inspector of Meat  
and other Foods.
- Housing Assistant*    ...    V. A. Arnold.
- Clerk to Public Health Inspectors*    Mrs. J. Goodrich.
- Clerk to Medical Officer of Health*    Mrs. E. M. Rezelman.  
(Part-time).

COUNCIL OFFICES,  
WANTZ ROAD,  
MALDON,  
ESSEX.

June, 1960.

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

Mr. CHAIRMAN, MADAM AND GENTLEMEN,

I present for your consideration my Annual Report for 1959.

The increase in the number of infectious diseases notified during the year as compared with the previous year is due largely to an epidemic of measles.

The silent social revolution which is turning our district into a suburban area gathered momentum during the year. Urbanisation makes the need for close co-operation between the County Council as Planning authority, and our Council as Health authority, a matter of necessity.

Pressure from outside interests often creates a situation where lack of planning and lack of health services flourish side by side in a shanty town environment. There is a great demand for seaside caravans and week end chalets within easy reach of North London and Metropolitan Essex, and the land owners round the coast find that catering for this need is the most certain and profitable of all the crops their land could grow.

Whilst the County authorities endeavour to restrict development to certain areas, they are not always successful, and areas such as Maylandsea and the Stone seem destined to grow with or without the blessing of the planners.

If we are to avoid the unplanned slums which Disraeli so aptly described in "Sybil" a hundred years ago, then plans must be made now for servicing such areas and if necessary altering our ideas about planning.

Planning will not succeed unless the public are convinced of its need and here public health departments have a vital role in educating public opinion.

In Public Health it is unwise to depart from basic principles, and the present policy of centralising responsibility for dealing with radiation hazards is such a departure from basic principles.

A well educated public is the best safeguard of the nation's health and the public have learnt to rely on their local health committee and its advisers for guidance in health matters.

In the long run the failure to place some degree of responsibility for radiation hazards on local Medical Officers will be shown to be the wrong policy. Meanwhile local health authorities must beware of seeming to endorse the practices of so called experts who too often are proved wrong by events, and they should not join liaison committees unless they insist on taking an active and knowledgeable part in the deliberations of such bodies.

This Council can be proud of its activities to promote the district's health during 1959.

They have planned to provide more old persons' dwellings so as to enable many to enjoy the eventide of life amongst old friends and neighbours instead of in remote institutions.

A full refuse collection has been successfully introduced.

Plans for extensive sewerage at Wickham Bishops and Bradwell have been carried forward with vigour, and a cesspool emptying service is under active consideration.

This forward looking attitude will undoubtedly enable the health problems of the silent revolution to be met with confidence.

Your Senior Public Health Inspector and your Surveyor have borne the brunt of the work of forwarding these schemes and in the preparation of this report for which I thank them.

I am also indebted to the Chairman and to many Members of the Council for their help and advice during the year.

I have the honour to be, Madam and Gentlemen,

Your obedient Servant,

T. D. BLOTT.



## PREVALENCE OF AND CONTROL OVER INFECTIOUS DISEASES.

### Notifiable Diseases (other than Tuberculosis) during 1959.

Four hundred and sixty-seven cases of notifiable diseases (exclusive of Tuberculosis) came under observation compared with one hundred and thirty-six for the previous year.

Notifiable Disease	Total Cases	Age Group												Cases admitted to Hospital	Total		
		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				
Scarlet Fever ... ..	42	—	—	—	1	4	26	10	—	1	—	—	—	—	—	—	—
Whooping Cough ..	2	—	—	1	—	—	—	1	—	—	—	—	—	—	—	—	—
Measles ... ..	354	6	19	31	22	27	218	29	—	2	—	—	—	—	—	—	—
Pneumonia ... ..	24	—	1	—	—	—	2	1	1	—	4	7	8	—	—	—	—
Food Poisoning ... ..	20	—	—	1	1	—	1	2	1	2	4	1	7	—	—	—	—
Acute Poliomyelitis ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Erysipelas ... ..	2	—	—	—	—	—	—	—	—	1	—	—	1	—	—	—	—
Acute Infective Hepatitis	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Dysentery ... ..	23	1	—	—	1	2	7	6	—	2	4	—	—	—	—	—	—
<b>Totals ...</b>	<b>467</b>	<b>7</b>	<b>20</b>	<b>33</b>	<b>25</b>	<b>33</b>	<b>254</b>	<b>49</b>	<b>2</b>	<b>8</b>	<b>12</b>	<b>8</b>	<b>16</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>

The above table shows the distribution of infectious diseases by age throughout the population of the district.

## Tuberculosis.

### New Cases and Mortality during 1959.

Particulars are given in the following table of new cases of Tuberculosis and of deaths from the disease in the area during 1959.

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 ...	—	1	—	—	—	—	—	—
20—25 ...	—	—	—	—	—	—	—	—
25—35 ...	2	1	—	—	—	—	—	—
35—45 ...	—	1	1	—	—	—	—	—
45—55 ...	2	—	—	—	—	—	—	—
55—65 ...	—	—	—	—	1	—	—	—
65 and over ...	1	—	—	—	1	—	—	—
<b>TOTALS</b> ...	<b>5</b>	<b>3</b>	<b>1</b>	<b>—</b>	<b>2</b>	<b>—</b>	<b>—</b>	<b>—</b>

\* 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 1959.

PARISH	Scarlet Fever	Whooping Cough	Measles	Pneumonia	Food Poisoning	Acute Poliomyelitis	Erysipelas	Pulmonary Tuberculosis	Other forms of Tuberculosis	Acute Infective Hepatitis
Althorne ... ..	—	—	8	2	—	—	—	—	—	—
Asheldham ... ..	2	—	9	1	—	—	1	—	—	—
Bradwell-on-Sea ... ..	7	—	41	1	—	—	—	—	—	—
Great Braxted ... ..	1	—	3	—	—	—	—	3	1	—
Little Braxted ... ..	1	—	—	—	—	—	—	1	—	—
Cold Norton ... ..	—	—	2	—	—	—	—	—	—	—
Dengie ... ..	—	—	5	—	—	—	—	—	—	—
North Fambridge ... ..	—	—	2	—	—	—	—	—	—	—
Goldhanger... ..	—	—	11	1	—	—	—	1	—	—
Hazeleigh ... ..	—	—	—	—	—	—	—	—	—	—
Langford ... ..	—	—	3	1	—	—	—	—	—	—
Latchingdon ... ..	—	—	6	2	—	—	—	—	—	—
Mayland ... ..	—	—	32	1	—	—	—	—	—	—
Mundon ... ..	1	—	9	1	—	—	—	1	—	—
Purleigh ... ..	—	—	2	3	—	—	—	—	—	—
St. Lawrence ... ..	3	—	6	—	—	—	—	—	—	—
Southminster ... ..	14	1	54	5	15	—	1	—	—	—
Steeple ... ..	2	—	11	1	—	—	—	—	—	—
Stow Maries ... ..	—	—	—	2	5	—	—	—	—	—
Tillingham ... ..	7	—	36	—	—	—	—	—	—	—
Tollesbury ... ..	—	—	43	—	—	—	—	—	—	—
Tolleshunt D'Arcy ... ..	2	—	41	—	—	—	—	—	—	—
Tolleshunt Knights ... ..	—	—	4	1	—	—	—	1	—	—
Tolleshunt Major ... ..	—	—	—	1	—	—	—	—	—	—
Great Totham ... ..	2	—	9	—	—	—	—	—	—	—
Little Totham ... ..	—	—	—	—	—	—	—	—	—	—
Ulting ... ..	—	—	3	—	—	—	—	—	—	—
Wickham Bishops ... ..	—	—	13	—	—	—	—	—	—	—
Woodham Mortimer ... ..	—	—	—	1	—	—	—	—	—	—
Woodham Walter... ..	—	1	1	—	—	—	—	—	—	—
Totals ... ..	42	2	354	24	20	—	2	8	1	—

## GENERAL PROVISION OF HEALTH SERVICES FOR THE AREA.

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Hospital treatment for patients in the area is the responsibility of the Regional Hospital Boards.

The Children's Department of the Essex County Council is responsible for the welfare of children and young persons in the area.

### AMBULANCE FACILITIES

These are provided by the Essex County Council and the Ambulance Station for the area is in Spital 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 p.m.	Doctor in attendance
South- minster	Baptist Chapel School Room	4th Monday in each month 2.30 p.m.	Doctor in attendance
Tollesbury	Institute	1st and 3rd Tuesdays in each month 2 p.m.	Doctor attends 3rd Tuesday
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 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 2.30 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	Last Thursday in each month 2.30 p.m.	Doctor in attendance on 5th Thurs.
<p>*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.</p>			
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
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 10 a.m.	Doctor in attendance
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*Women's Welfare Clinic :*

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

*Family Planning Clinic :*

Coval Lane Clinic	Chelmsford	Tuesday evenings.
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*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.** Application should be made to the Area Medical Officer of Health at 75, Springfield Road, Chelmsford. (Tel. No. Chelmsford 4891).

**LABORATORIES.** Public Health Laboratory Service, Chelmsford & Essex Hospital, London Road, Chelmsford.

During the year no action was taken under Section 47 of the National Assistance Act, 1948, which deals with the 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 had 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.

No action was taken under the Act during 1959 and since the passing of the Act 12 burials have been carried out.

## **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 and a fortnightly collection on all the main roads in the other Parishes.

The more outlying properties have a monthly tin and bottle collection by direct labour.

### **Prevention of Damage by Pests Act, 1949.**

The Council operates a rat destruction scheme and employs a full time rat catcher.

Work is carried out on farms, domestic premises and Local Authority undertakings such as tips, sewage works and sewers throughout the whole of the Rural District.

During the year 1,603 visits were made by the rat catcher on treatment work. In addition to the treatment work, inspections are regularly carried out throughout the area.

## **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.



## SANITARY INSPECTION OF THE AREA.

INSPECTIONS		NOTICES		
Nature	Number	Informal	Formal	Total complied with
Dwelling Houses :				
Under Housing Regs.	374	—	—	—
Primary Inspections Re :				
Structural Defects	111	15	—	5
Nuisances	53	40	—	25
Overcrowding	45	—	—	—
Dirty conditions	4	1	—	1
Re Inspections :				
Under Housing Regs.	174	—	—	—
Re Structural defects	143	—	—	—
Nuisances	66	—	—	—
Overcrowding	31	—	—	—
Dirty Conditions	6	—	—	—
Verminous Premises :				
Rats and Mice	25	—	—	—
Other Pests	9	5	—	5
Infectious Diseases				
Inquiries	—	—	—	—
Disinfections	5	—	—	—
Sewage and Drainage :				
House Drainage Inspections	452	17	2	20
Tests	100	—	—	—
Other Forms Inspections	90	2	—	1
Tests	1	—	—	—
Inspections re cesspools	148	19	—	14
Inspections re sewerage	48	—	—	—
Sanitary Conveniences :				
Dwelling Houses	401	19	3	29
Other Premises	53	3	—	2
Water Supply :				
Samples taken	16	—	—	—
Other visits	342	4	—	1
Milk and Dairies Inspections :				
Cowsheds	8	—	—	—
Dairies	6	—	—	—
Milk samples taken	1	—	—	—
Inspections Re :				
Licensed Premises	15	2	—	2
Offices	—	—	—	—
Bakehouses	13	—	—	—
Slaughterhouses	470	—	—	—
Butchers' Shops	12	—	—	—
Food Shops	39	—	—	—
Other Shops	6	—	—	—
Ice Cream, Man. Premises	—	—	—	—
Ice Cream, Dealers' Premises	10	—	—	—
Man. Food Premises	15	—	—	—
Restaurants	12	—	—	—
Factories with Mech. Power	40	—	—	—
Factories without Mech. Power	4	—	—	—
Workplaces	12	—	—	—
Outworkers Premises	—	—	—	—
Places of Entertainment	9	—	—	—
Knackers' Yards	17	—	—	—
Refuse and Salvage	230	65	—	15
Schools	1	—	—	—
Rivers, Ditches and streams	121	17	—	7
Swimming Pools	10	—	—	—
Movable Dwelling	55	1	—	1
Fried Fish Shops	15	—	—	—
Stables and Piggeries	6	1	—	1
Houseboats	—	—	—	—
Miscellaneous Inspections	88	—	—	—
<b>TOTALS</b>	3912	211	5	129

**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 from which samples are regularly taken during the swimming season. All the samples taken during the year gave satisfactory results.

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

**Movable Dwellings.** During the year 5 licences to site movable dwellings were granted under Section 269 of the Public Health Act, 1936.

**Houseboats.** During the year 14 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 7 in the district, situated in the following parishes:—Goldhanger 1, Tillingham 1, Tolleshunt D'Arey 1, Tollesbury 2, 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 Public Health 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 ... ..	12	4	—	—
(ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority ... ..	58	40	—	—
(iii) Other Premises in which Section 7 is enforced by the Local Authority (excluding out-workers' premises) ... ..	4	12	—	—
<b>TOTAL</b> ...	74	56	—	—

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)	2	2	—	—	—
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 ... ..	2	1	—	—	—
Not separate for sexes	—	—	—	—	—
Other Offences against the Act (not including offences relating to out-work) ... ..	—	—	—	—	—
<b>TOTAL</b> ...	4	3	—	—	—

## 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 wash- ing ...	1	—	—	—	—	—	
Total ... ..	1	—	—	—	—	—	

**FOOD AND DRUGS ACT, 1955****INSPECTION AND SUPERVISION OF FOOD.****Milk Supply.**

There are 24 distributors of milk in the district which are supervised by the District Council.

**Unfit Food.**

During the year the following food-stuffs have been examined, condemned and surrendered as unfit for human consumption :—

100 x 24 lb. boxes Concordia brand Santa Clara Californian prunes.

226 x 22 kilo boxes Californian prunes.

360 x 11½ kilo boxes Chilean prunes.

117 x 25 lb. boxes South African prunes.

4 lbs. chilled beef.

**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 1959.**

	Cattle Excluding Cows	Cows	Calves	Sheep and Lambs	Pigs	Horses
Number killed (if known)	612	406	15	1,931	1,932	—
Number inspected	612	406	15	1,931	1,932	—
<i>All diseases except Tuberculosis and Cysticerci</i>						
Whole carcasses condemned	1	2	—	—	—	—
Carcases of which some part or organ was condemned	80	38½	1	55	32	—
Percentage of the number inspected affected with disease other than tuberculosis and cysticerci	13.23	9.97	6.67	2.85	1.66	—
<i>Tuberculosis only :</i>						
Whole carcasses condemned	—	—	—	—	—	—
Carcases of which some part or organ was condemned	12	10	—	—	16	—
Percentage of the number inspected affected with tuberculosis	1.96	2.46	—	—	.83	—
<i>Cysticercosis :</i>						
Carcases of which some part or organ was condemned	—	—	—	—	—	—
Carcases submitted to treatment by refrigeration	—	—	—	—	—	—
Generalised and totally condemned	—	—	—	—	—	—

### WATER SUPPLY.

A piped water supply from the mains owned by the District Council was available to 96 per cent of the population. The figures for each parish are set out in the table below.

The supply is augmented from two local works :—

Springs at Warren Bottom and Jacobs Well, Woodham Walter.

Springs at Asheldham.

The supplies from these two works are chlorinated.

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, 1960 :—

Source of Supply	Total Gallons	Average Daily
South Essex Waterworks Co. ...	144,694,000	395,000
Southend Waterworks Co. ...	69,589,000	190,000
Lexden and Winstree R.D.C. ...	—	—
Chelmsford ... ..	18,000	—
<b>Total Amount Purchased</b> ...	<b>214,301,000</b>	<b>585,000</b>
<i>Own Supplies—</i>		
Asheldham ... ..	6,492,000	18,000
Warren Bottom, Woodham Walter	34,220,000	94,000
Jacobs Well, Woodham Walter ...	26,212,000	71,000
<b>Total</b> ... ..	<b>66,924,000</b>	<b>183,000</b>
<b>Total supplied from all Sources</b> ...	<b>281,225,000</b>	<b>768,000</b>

The total amount of water supplied for the previous year was 233,505,000 gallons. During 1959-1960 there were 797 meters in use for non-domestic purposes.

Daily consumption per head per day on an estimated population of 16,500 (this figure includes the labour camp at the Nuclear Power Station, Bradwell-on-Sea) was :—

Domestic	...	24 gallons
Trade	...	23 gallons
		—
Total	...	<b>47 gallons</b>

==

**Summary of Work Carried Out by Waterworks  
Department**

<i>Description</i>	<i>Year ending</i>	
	31.3.59	31.3.60
New services installed ...	78	135
New meters installed ...	18	36
Meters changed on existing supplies ...	64	46
Meters removed from existing supplies ...	11	4
Services repaired ...	119	179
Services disconnected ...	—	1
Mains repaired ...	48	123
New Valves and Hydrants fixed ...	38 V 11 H	7 V 2 H
Valves and Hydrants repaired	19 H 6 V	17 H 18 V
New mains laid ...	Nil	550 yds.
Mains renewed ...	12909 yds.	205 yds.

Total mileage of Water Mains of all sizes at 31.3.60, 175¼ miles.



**RECORD OF HABITABLE HOUSES AND WATER  
SUPPLY AS AT 31st DECEMBER, 1959.**

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 ... ..	161	161	—	—
Asheldam ... ..	52	50	—	2
Bradwell-on-Sea ... ..	253	244	4	5
Braxted, Great ... ..	123	87	9	27
Braxted, Little ... ..	43	41	2	—
Cold Norton ... ..	138	138	—	—
Dengie ... ..	51	45	—	6
Fambridge, North ... ..	105	104	—	1
Goldhanger ... ..	180	174	2	4
Hazeleigh ... ..	38	38	—	—
Langford ... ..	58	44	1	13
Latchingdon ... ..	282	282	—	—
Mayland ... ..	168	163	5	—
Mundon ... ..	98	98	—	—
Purleigh ... ..	319	317	—	2
St. Lawrence ... ..	132	132	—	—
Southminster ... ..	576	556	2	18
Steeple ... ..	141	138	1	2
Stow Maries ... ..	61	61	—	—
Tillingham ... ..	291	266	16	9
Tollesbury ... ..	572	565	4	3
Tolls. D'Arcy ... ..	290	270	9	11
Tolls. Knights ... ..	144	144	—	—
Tolls. Major ... ..	126	117	3	6
Totham, Great ... ..	436	423	4	9
Totham, Little ... ..	90	77	4	9
Ulting ... ..	44	28	—	16
Wickham Bishops ... ..	301	256	6	39
Woodham Mortimer... ..	135	131	3	1
Woodham Walter ... ..	178	144	13	21
<b>TOTALS ... ..</b>	<b>5586</b>	<b>5294</b>	<b>88</b>	<b>204</b>

**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	... ..	5	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	... ..	6.7
Free Carbon Dioxide	... ..	18
Electric Conductivity	... ..	420
Dissolved Solids Dried at 180° C	... ..	300
Chlorine present as Chloride	... ..	37
Alkalinity as Calcium Carbonate	... ..	45

					<i>Chemical Results in Parts per Million</i>
Hardness :	Total	...	...	...	170
	Carbonate	...	...	...	45
	Non-carbonate	...	...	...	125
Nitrate Nitrogen	...	...	...	...	14
Nitrite Nitrogen	...	...	...	...	Absent
Ammoniacal Nitrogen	...	...	...	...	0.000
Oxygen absorbed	...	...	...	...	0.00
Albuminoid Nitrogen	...	...	...	...	0.000
Residual Chlorine	...	...	...	...	0.2
Metals	...	...	...	...	Absent
Fluorine	...	...	...	...	less than 0.1

#### *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 clear and bright in appearance and is free from metals. It has, however, a reaction slightly on the acid side of neutrality on account of which it will tend to show corrosive characteristics. The hardness of the water is moderate and it contains no excess of mineral or saline constituents in solution. Its organic quality and bacterial purity are of a high standard.

These results are indicative of a pure and wholesome water, suitable for public supply purposes except that a higher pH would be desirable from the aspect of avoiding corrosion of metals.

## SOUTH ESSEX WATERWORKS COMPANY

### ANALYSES OF PURIFIED WATER

AT LANGHAM AND LAYER-DE-LA-HAYE.

(CHEMICAL RESULTS IN PARTS PER MILLION)

	Langham Works	Layer-de-la-Haye Works
	(Average of Weekly Analyses)	(Average of Weekly Analyses)
Total Dissolved Solids ...	4.93	364
pH Value ... ..	7.75	7.83
Residual Chlorine, Cl. ...	0.26	0.28
Chlorides, Cl. ... ..	56	43
Nitrate Nitrogen ... ..	2.77	0.94
Nitrite Nitrogen ... ..	0.001	0.001
Hardness, non-carbonate ...	117	119
"  carbonate ... ..	227	118
"  total ... ..	344	237
Free Ammonia (NH <sub>3</sub> ) ...	0.20	0.17
Albuminoid Nitrogen ...	0.09	0.16
Oxygen Absorbed (4 hrs./27°C)... ..	1.06	1.53
Iron (Fe) ... ..	0.02	0.02

### Bacteriological Examinations

No. of Tests during year ...	316	311
% of samples which were free from Bact. Coli (Type I) in 100 ml. ... ..	100.0	100.0
% of samples which were free from Coliform bacteria in 100 ml. ... ..	99.0	100.0
Maximum count of Coliform bacteria per 100 ml. ...	1	—

**Sample of Water from the Mains of the Southend Waterworks Company.**

					<i>Chemical Results in Parts per Million</i>
Appearance	...	...	...	...	Bright with a few particles. Microscopical Examination : Mineral matter and traces of organic debris.
Turbidity	...	...	...	...	Less than 3
Colour	...	...	...	...	5
Odour	...	...	...	...	Nil
pH	...	...	...	...	8.9
Free Carbon Dioxide	...	...	...	...	Absent
Electric Conductivity	...	...	...	...	640 dissolved
Total Solids	...	...	...	...	425
Chlorine present as Chloride	...	...	...	...	72
Alkalinity as Calcium Carbonate	...	...	...	...	15
Hardness : Total	...	...	...	...	130
Carbonate	...	...	...	...	15
Non-carbonate	...	...	...	...	115
Nitrate Nitrogen	...	...	...	...	10
Nitrite Nitrogen	...	...	...	...	Approx. 0.01
Ammoniacal Nitrogen	...	...	...	...	0.026
Oxygen Absorbed	...	...	...	...	0.70
Albuminoid Nitrogen	...	...	...	...	0.036
Residual Chlorine	...	...	...	...	0.04
Metals : Aluminium	...	...	...	...	0.03
Iron, Zinc, Copper and Lead	...	...	...	...	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 Coliform Reaction :

Bact. coli. (Type I)	...	...	...	Absent 100 ml.
Cl. Welchii Reaction	...	...	...	Absent 100 ml.
				Absent 100 ml.

## Report

This sample is practically clear and bright in appearance, faintly alkaline in reaction and free from metals apart from a negligible trace of aluminium. The hardness of the water is very moderate and it contains no excess of mineral or saline constituents in solution. Its organic quality is very satisfactory and it conforms to the highest standard of bacterial purity.

These results are considered satisfactory and indicative of a pure and wholesome water suitable for public supply purposes.

### Sample of Water from Asheldham Pumping Station

					<i>Chemical Results in Parts per Million</i>
Appearance	...	...	...	...	Clear and Bright
Turbidity	...	...	...	...	Nil
Colour	...	...	...	...	Nil
Odour	...	...	...	...	Chlorinous.
pH	...	...	...	...	5.9
Free Carbon Dioxide	...	...	...	...	22
Electric Conductivity	...	...	...	...	450
Total Solids	...	...	...	...	300
Chlorine present as Chloride	...	...	...	...	37
Alkalinity as Calcium Carbonate	...	...	...	...	9
Hardness :					
Total	...	...	...	...	170
Carbonate	...	...	...	...	9
Non-carbonate	...	...	...	...	166
Nitrate Nitrogen	...	...	...	...	22
Nitrite Nitrogen	...	...	...	...	Absent
Ammoniacal Nitrogen	...	...	...	...	0.000
Oxygen Absorbed	...	...	...	...	0.10
Albuminoid Nitrogen	...	...	...	...	0.000
Residual Chlorine	...	...	...	...	0.6
Metals : Zinc, Copper, Lead and Iron	...	...	...	...	Absent

### *Bacteriological Results*

Number of Colonies developing on Agar

1 day at 37°C.	1 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 does show, however, a slightly acid reaction due to content of free carbon dioxide with very low alkalinity. On this account it will show corrosive and possibly plumbosolvent characteristics. The hardness of the water is moderate and it contains no excess of mineral or saline constituents in solution. It conforms to the highest standard of organic quality and is of very satisfactory bacterial purity.

These results are indicative of a water which is pure and wholesome in character and suitable for public supply purposes, apart from the disadvantage of corrosive characteristics.

## **DRAINAGE AND SEWERAGE**

### **Goldhanger**

Work is practically completed on the construction of the sewage works and the laying of the sewers for this village.

### **Wickham Bishops and Great Totham**

Surveys, plans and levels have now been completed and the report is ready for submission to the Ministry.

### **Tillingham**

Work is in hand on the survey and levels for re-sewering and new disposal works for this village.

### **Bradwell-on-Sea**

A scheme is now in preparation for the sewerage of the village and new sewerage works.

## **PUBLIC HEALTH ACT, 1936—SECTION 47.**

### **Southminster and Tollesbury.**

During the period covered by this report, conversions of pail closets to water closets were carried out at 23 properties, and the Council under the above Section paid 50% towards the cost of conversions at 19 properties.

## HOUSING

## Statistics for the Year, 1959.

Number of new houses erected during the year :—

Total ... ..	66
(i) By the Local Authority ... ..	46
(ii) By other bodies and persons ... ..	66

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 ... ..	32	48	80
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 ... ..	30	26	56
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
<b>TOTALS ... ..</b>	<b>409</b>	<b>443</b>	<b>852</b>



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), Tolleshunt D'Arcy (4), 26 houses at Tillingham and 20 houses at Latchingdon (built for and occupied by employees of The Central Electricity Generating Board employed at Bradwell Generating Station).

**Housing Act, 1936, Section 11, and Housing Act, 1957  
Section 17.**

During the year 5 Demolition Orders were made and 1 undertaking given that the house would not be used for human habitation until it has been made fit for that purpose.

Thirteen properties were demolished, 7 of these being the subject of Demolition Orders.

**Housing (Financial Provisions) Act, 1958**

**as amended by**

**House Purchase and Housing Act, 1959.**

**Improvement Grants**

Properties reconditioned and modernised by the provision of amenities such as bathrooms, hot and cold water supplies, drainage work, etc.:

	<i>No. of Applications received</i>	<i>No. of Applications approved</i>	<i>No. of Properties modernised</i>
Discretionary Grants ...	30	29	28
Standard Grants ...	11	10	2

Table showing Census Population 1951 and 1931, and  
Number of Houses Census 1951 and December, 1959.

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. 1959 excl. of hutments
				1951	1931	
Althorne ... ..	2080	255	150	451	390	161
Asheldham ... ..	1310	—	51	170	168	52
Bradwell-on-Sea ... ..	5221	4230	217	680	657	253
Braxted Great ... ..	2634	—	115	363	282	123
Braxted Little ... ..	622	—	45	162	116	43
Cold Norton ... ..	1692	—	129	401	384	138
Dengie ... ..	2856	1186	45	165	192	51
Fambridge North... ..	1242	107	86	278	168	105
Goldhanger ... ..	1622	—	157	462	353	180
Hazeleigh ... ..	991	—	34	114	114	38
Langford ... ..	991	3	44	153	169	58
Latchingdon ... ..	3992	207	188	595	419	282
Mayland ... ..	1870	—	141	426	360	168
Mundon ... ..	3312	—	91	324	251	98
Purleigh ... ..	5535	87	279	886	770	319
St. Lawrence ... ..	2139	324	50	151	71	132
Southminster ... ..	6512	828	472	1444	1403	576
Steeple ... ..	2709	47	106	330	343	141
Stow Maries ... ..	1610	82	56	182	165	61
Tillingham ... ..	4928	2593	241	683	670	291
Tollesbury ... ..	4839	2019	539	1594	1694	572
Tolleshunt D'Arcy... ..	4104	415	248	758	748	290
Tolleshunt Knights	1926	—	133	405	252	144
Tolleshunt Major ... ..	2253	2	126	403	370	126
Totham Great ... ..	3589	—	395	1221	982	436
Totham Little ... ..	1281	—	86	292	293	90
Ulting ... ..	1034	—	44	132	143	44
Wickham Bishops... ..	1606	—	275	866	639	301
Woodham Mortimer	1387	—	105	341	268	135
Woodham Walter ... ..	2620	—	173	531	514	178
<b>TOTALS ... ..</b>	<b>78507</b>	<b>12385</b>	<b>4821</b>	<b>14963</b>	<b>13348</b>	<b>5586</b>

**STATISTICS AND SOCIAL CONDITIONS OF THE  
AREA.**

Area (acres) ... ..	78,507 (land and inland water)
Home Population (estimated June, 1959) ... ..	15,870
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 1959 ... ..	5,586
Rateable Value at 1st April, 1959 ... ..	£146,885
Product of a Penny Rate for the year ending :—	
31st March, 1959 ... ..	£521 13 9
31st March, 1960 ... ..	£631 17 2
Persons per household at Census 1951 ... ..	3.08
Persons per household at Census 1931 ... ..	3.39
Live Births : Number ... ..	217
Live Birth Rate per 1,000 population ... ..	13.67
Illegitimate live births per cent of total live births ... ..	5.06
Still Births : Number ... ..	2
Still Birth Rate per 1,000 live and still births ... ..	9.13
Total live and still births ... ..	219
Infant Deaths—(Deaths under 1 year) ... ..	9
Infant Mortality Rates	
Total infant deaths per 1,000 total live births ... ..	41.47
Legitimate infant deaths per 1,000 legitimate live births ... ..	36.86
Illegitimate infant deaths per 1,000 illegitimate live births ... ..	4.60
Neo-Natal Mortality Rate (deaths under 4 weeks per 1,000 total live births) ... ..	32.21
Early Neo-Natal Mortality Rate (deaths under 1 week per 1,000 total live births) ... ..	27.64

Perinatal Mortality Rate (stillbirths and deaths under 1 week combined per 1,000 total live and still births ... ..)	36.52
Maternal deaths (including abortion) ... ..	Nil
Maternal mortality rate per 1,000 live and still births ...	Nil
Deaths :—Male 99 } Crude death rate per 1,000 Female 99 } of estimated resident Total 198 } population	12.47
Registrar General's Comparability Factor of } Births	1.14
Registrar General's Comparability Factor of } Deaths	0.82
Corrected Death Rate ... ..	10.22
Death Rate for England and Wales ... ..	11.6
Number of deaths under one year of age ... ..	9
Number of deaths under 4 weeks of age ... ..	7

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	3	5	4
1 and under 2 ...	—	—	—	—	—	—	—	—
2 " " 5 ...	—	—	—	—	1	—	1	—
5 " " 15 ...	1	1	—	—	—	—	1	1
15 " " 25 ...	—	—	—	—	1	—	1	—
25 " " 35 ...	1	—	—	—	—	—	1	—
35 " " 45 ...	—	—	—	—	1	—	1	—
45 " " 55 ...	6	3	—	—	1	1	7	4
55 " " 65 ...	5	4	1	—	8	—	12	4
65 " " 75 ...	9	14	1	1	17	14	25	27
75 and over ...	25	37	—	3	20	25	45	59
TOTALS ...	48	60	2	4	53	43	99	99
GRAND TOTALS ...	108		6		96		198	

Causes of Death	Males	Females	Totals
Tuberculosis, respiratory. ... ..	2	—	2
Tuberculosis, other ... ..	—	—	—
Syphilitic disease... ..	1	—	1
Diphtheria ... ..	—	—	—
Whooping Cough... ..	—	—	—
Meningococcal Infections ... ..	—	—	—
Acute Poliomyelitis ... ..	—	—	—
Measles ... ..	—	—	—
Other Infective and Parasitic Diseases	1	—	1
Malignant Neoplasm, Stomach ... ..	3	2	5
Malignant Neoplasm, Lung, Bronchus	8	3	11
Malignant Neoplasm, Breast ... ..	—	4	4
Malignant Neoplasm, Uterus ... ..	—	—	—
Other Malignant and Lymphatic Neoplasms	17	7	24
Leukaemia, Aleukaemia... ..	1	—	1
Diabetes ... ..	1	—	1
Vascular Lesions of Nervous System ...	12	26	38
Coronary Disease, Angina ... ..	15	7	22
Hypertension with Heart Disease ... ..	1	1	2
Other Heart Disease ... ..	13	16	29
Other Circulatory Disease ... ..	3	2	5
Influenza ... ..	—	2	2
Pneumonia ... ..	4	4	8
Bronchitis... ..	2	5	7
Other Diseases of Respiratory System	2	1	3
Ulcer of Stomach and Duodenum ... ..	1	2	3
Gastritis, Enteritis and Diarrhoea ... ..	—	—	—
Nephritis and Nephrosis ... ..	—	—	—
Hyperplasia of Prostate ... ..	2	—	2
Pregnancy, Childbirth, Abortion ... ..	—	—	—
Congenital Malformations ... ..	2	1	3
Other defined and ill-defined diseases ...	6	11	17
Motor vehicle accidents ... ..	2	1	3
All other accidents ... ..	—	3	3
Suicide ... ..	—	1	1
Homicide and operations of war ... ..	—	—	—
<b>Totals ... ..</b>	<b>99</b>	<b>99</b>	<b>198</b>

## INDEX

---

	PAGE(S)
Ambulance Facilities ... ..	9
Bakehouses ... ..	15
Burials ... ..	12
Clinics and Treatment Centres ... ..	9-11
Drainage and Sewerage ... ..	28
Factories Act, 1937 (Inspections under) ... ..	16-17
Food Inspection ... ..	18 19
Health Services in Area ... ..	9
Hospitals ... ..	11
Housing ... ..	29-31
Infectious Diseases ... ..	6-8
Knackers' Yards ... ..	15
Laboratory Facilities ... ..	12
Maternity and Child Welfare ... ..	9-11
Milk Supply ... ..	18
Moveable Dwellings ... ..	15
Nursing ... ..	12
Public Cleansing ... ..	13
Public Health Committee ... ..	2
Public Health Staff ... ..	3
Sanitary Inspection of Area ... ..	13-14
Swimming Baths and Pools ... ..	15
Statistics and Social Conditions ... ..	32-34
Water Supply ... ..	20-28

Page	Topic
20-25	Water Supply
27-34	Statistics and Social Conditions
35	Sanitary Inspection of Asia
36-44	Public Health Staff
45	Public Health Committee
46	Public Cleanliness
47	Sanitary
48	Movable Dwellings
49	Milk Supply
50-51	Maternity and Child Welfare
52	Laboratory Facilities
53	Kanawara Yards
54	Religious Dinners
55-56	Housing
57	Hospitals
58	Health Services in Asia
59	Food Inspection
60	Portuguese Act, 1987 (Sanitary Code)
61	Drainage and Sewerage
62	Clinics and Treatment Centers
63	Urban
64	Health
65	Public Health
66	Public Health
67	Public Health
68	Public Health
69	Public Health
70	Public Health
71	Public Health
72	Public Health
73	Public Health
74	Public Health
75	Public Health
76	Public Health
77	Public Health
78	Public Health
79	Public Health
80	Public Health
81	Public Health
82	Public Health
83	Public Health
84	Public Health
85	Public Health
86	Public Health
87	Public Health
88	Public Health