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Contributors

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CHELMSFORD

RURAL DISTRICT COUNCIL



ANNUAL REPORT

OF THE

MEDICAL OFFICER of HEALTH

(JOHN F. MACDONALD, M.D., D.P.H.)

(Barrister-at-Law)

FOR

1953

SOUTHEND-ON-SEA :

W. H. Houldershaw, Ltd., 49-55, London Road,

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LONDON ROAD,
CHELMSFORD.

27th February, 1954

To the Chairman and Members of the Chelmsford Rural District Council.

MR. CHAIRMAN, LADIES AND GENTLEMEN,

I have the honour to present for your consideration the Annual Report on the health and sanitary circumstances of your District during the year 1953.

The Death Rate for the year per 1,000 population was 11.9 compared with 10.3 for 1952, and the Birth Rate was 16.2 compared with 15.1 for the previous year.

Of the 470 deaths allotted to the District, 215 equal to 45.7 per cent. were of persons over 75 years of age, 132 or 28 per cent. over 80, and 21 or 4.5 per cent. over 90 years of age. The total number of deaths of persons under the age of 45 was 36 or 7.7 per cent. of the total deaths. Under 1 year of age the total number of deaths was only 13 and with the exception of 3, were due to prematurity or congenital defects.

Heart disease was responsible for 139 deaths, or 29.6 per cent. of the total deaths, malignant diseases for 89 deaths or over 18 per cent. These two diseases accounted for 228 deaths or 48.5 per cent. of the total. Cancer of the lungs was responsible for 15 deaths, compared with 7 for previous year.

The number of cases of infectious diseases was not above the average. It is over eight years since a case of Diphtheria has been notified in the district.

To my colleagues I am much indebted for the valuable assistance rendered during many years.

For the sympathetic consideration shown by the Council during the years of my service as your Medical Officer of Health, I wish to place on record my sincere thanks.

Your obedient servant,
JOHN F. MACDONALD.

STAFF.

Clerk of the Rural District Council : C. R. Plumtree.

Deputy Clerk of the Rural District Council : C. A. Bohannon.

Treasurer of the Rural District Council : M. W. Butcher.

PUBLIC HEALTH DEPARTMENT.

Medical Officer of Health : John F. Macdonald, M.D., D.P.H.
(also Medical Officer of Health for the Rural District of Maldon).

CHIEF SANITARY INSPECTOR'S DEPARTMENT.

Chief Sanitary Inspector and Petroleum Inspector :*

A. Denton Ogden, M.B.E., F.R.San.I., F.S.I.A.

Deputy Chief Sanitary Inspector :*

T. H. C. Bartrop, M.R.San.I., M.S.I.A.

Sanitary Inspectors :—*

L. G. Smart, M.R.San.I., M.S.I.A., A.M.I.S.E.

G. E. J. Potter, M.R.San.I., M.S.I.A.

Clerks : F. B. Brewster, A.R.San.I.

R. H. Hawkes.

*Qualified Inspectors of Meat and other Foods, Royal Sanitary Institute.

ENGINEER & SURVEYOR'S DEPARTMENT.

Engineer and Surveyor : W. E. Bunker, M.I.Mun.E.,
M.R.San.I.

Deputy Engineer and Surveyor : P. Dendy, A.M.I.Mun.E.,
M.R.S.I., A.M.Inst.H.E.

ESTATES MANAGER'S DEPARTMENT.

Estates Manager : E. Ollett.

Deputy Estates Manager : T. Archer.

GENERAL PROVISION OF HEALTH SERVICES FOR THE AREA.

The Rural District Council consists of 49 elected members and meets monthly. There are several Committees dealing with Public Health matters, which meet on the 2nd and 3rd Tuesday of each month. The Committees' reports are presented at the following Council Meeting—4th Tuesday in each month. A copy of the Minutes of the Council and reports of the Committees are issued to each member.

LIST OF COMMITTEES.

General Purposes and Staffing.

Finance.

Buildings and Planning.

Public Health.

Housing.

Building Contracts.

Re-Housing.

Slum Clearance.

Estates Management.

Drainage and Water.

Fuel and Lighting Advisory.

Community Centres.

Council and Staff Joint.

Civil Defence.

Reception (Civil Defence).

The Council is represented on the :—

Chelmsford Joint Sewerage Committee.

South-East Essex Superannuation Joint Committee.

Chelmsford Borough and Rural District Road Safety Committee.

East Central-Essex Area Planning Sub-Committee.

Chelmsford and District Tuberculosis After-Care Association.

Chelmsford and District Youth Committee.
 Essex County Branch, Rural District Councils' Association.
 Divisional Executive Education Committee.
 Mid-Essex Health Area Sub-Committee.
 Old People's Committee.
 Chelmsford Hospital House Committee.
 Boreham Airfield Community Centre Committee.
 Essex Boroughs and District Councils' Association.
 Eastern Regional Executive Committee (National Housing
 and Town Planning Council).
 Citizens' Advice Bureau Sub-Committee.
 Standing Conference Civil Defence.
 Civil Defence Joint Advisory Committee.
 Town Development Co-ordinating Committee.

Laboratory Facilities.

These services are provided by the County Council and at St. John's Hospital, Chelmsford.

Hospitals.

The local hospitals are in the 18th Group of the North East Metropolitan Hospital Board.

Maternity and Child Welfare is administered by the County Council.

Registered Nursing Homes. These are controlled by the Essex County Council. There are two in the district.
 (Danbury 1, Rettendon 1.)

Residential Club for Elderly People.

The available accommodation at the Residential Club for Elderly People, opened in 1947, at Docklands, Ingatestone, is fully taken up. The club continues to meet a real need.

The day-to-day management is vested in a local committee,

Ambulance Facilities. These are provided by the County Council.

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

Section 50 of The National Assistance Act has placed on the Council the duty of arranging the burial or cremation of the body of any person who has died or is found dead in the area, when no suitable arrangements have been, or are being made, otherwise than by the authority. The Council arranged the following burials during :—

1948	...	...	...	...	3
1949	...	...	...	...	5
1950	...	...	...	...	4
1951	...	...	...	...	6
1952	...	...	...	...	9
1953	...	...	...	...	3

Mortuaries. There is a mortuary for infectious cases at the Isolation Hospital, Great Baddow. A modern mortuary is available at St. John's Hospital, Chelmsford, also at Chelmsford and Essex Hospital, Chelmsford.

Clinics and Treatment Centres. These are provided by the Essex County Council as given in the following tabular statement :—

MATERNITY AND CHILD WELFARE CENTRES

Centre	Address	Sessions (Monthly)
Great Baddow ...	Parish Hall	2nd & 4th Thursdays, 2 p.m.
Galleywood ...	Keene Memorial Hall ...	3rd Tuesday, 2 p.m.
Little Baddow ...	Memorial Hall	Last Tuesday, 2 p.m.
Boreham ...	Village Hall	3rd Tuesday, 2 p.m.
Boreham Aero- drome ...	Hut 16, Site 2.	Every Monday, 2 p.m.
Broomfield ...	Church Room	1st and 3rd Thursdays, 2 p.m.
Chignal Smealey	Congregational Church Room	4th Monday, 2.30 p.m.
Danbury ...	Village Hall	1st & 3rd Thursdays, 2 p.m.
Good Easter ...	Village Hall	Last Thursday, 2.30 p.m.
East Hanningfield	Women's Institute Hall ...	1st Tuesday, 2 p.m.
South Hanning field ...	Women's Institute Hall, Downham	1st Friday, 2 p.m.
Ingatestone ...	Working Men's Club ...	2nd & 4th Fridays, 2 p.m.
Great Leighs ...	Village Hall	2nd Tuesday, 2.30 p.m.
Rettendon ...	Village Hall	2nd Wednesday, 2 p.m.
Roxwell ...	Village Hall	2nd Thursday, 2.30 p.m.
Springfield ...	Baptist Chapel	Every Thursday, 2 p.m.
Stock	Congregational Schoolroom	3rd Thursday, 2 p.m.
Great Waltham...	Village Hall	3rd Tuesday, 2 p.m.
Little Waltham...	Chapel Schoolroom ...	1st Tuesday, 2 p.m.
Woodham Ferrers	Congregational Schoolroom	2nd Monday, 2 p.m.
South Woodham	Village Hall	1st Monday, 2 p.m.
Writtle	Village Hall	2nd & 4th Tuesdays, 2.30 p.m.
Highwood ...	Iron Room... ..	4th Wednesday, 2.30 p.m.

ANTE-NATAL CLINIC.

Chelmsford and Essex Hospital, London Road, Chelmsford, Tuesdays,
2.30 p.m.

Rettendon, Village Hall, 1st Wednesday, 10 a.m.

Women's Welfare Clinic, Coval Lane Clinic, Chelmsford, 2nd and 4th Thurs-
days, 10 a.m.

Coval Lane Ante-Natal Clinic, Mondays, 10 a.m.

TUBERCULOSIS DISPENSARY.

Address :
Broomfield Hospital,
Chelmsford.

Hours of Session :
Mondays and Wednesdays,
10—12 noon.

VENEREAL DISEASES.

Treatment is available at the Chelmsford and Essex Hospital, London
Road, Chelmsford, and at Essex County Hospital, Colchester.

MINOR AILMENT CLINIC.

Coval Lane, Chelmsford, Tuesday to Friday 9—11 a.m.
Doctor attends Fridays.

OPHTHALMIC CLINIC.

Coval Lane, Chelmsford, Mondays 2 p.m., Wednesdays 10 a.m.

DENTAL CLINIC.

Coval Lane, Chelmsford, Monday to Friday 9 a.m.—4.30 p.m.
(by appointment).

CHILD GUIDANCE CLINIC.

"Highfields," London Road, Chelmsford (by appointment).

SPEECH CLINIC.

5, Market Road, Chelmsford, Wednesdays & Fridays 10 a.m.
except 5th Friday.

PHYSIOTHERAPY CLINIC. (by appointment only)

Coval Lane, Chelmsford, Mondays 2 p.m., Tuesdays 10 a.m.,
Wednesdays 9.30 a.m.

(An Orthopaedic Specialist attends every two months).

ASCERTAINMENT CLINIC.

Coval Lane, Chelmsford, Once every two months (by appointment).

IMMUNISATION CLINIC.

Coval Lane, Chelmsford, 1st Monday 2—4 p.m.

PREVALENCE AND CONTROL OF INFECTIOUS DISEASES GENERALLY

During the year, 1361 cases of infectious diseases (exclusive of Tuberculosis) were notified compared with 176 during 1952. The increase was due to epidemics of measles and whooping cough, the former in the first half and the latter mainly during the second half of the year.

Diphtheria has again been absent for another year—this making the eighth consecutive year without a case of Diphtheria coming under observation and the fifteenth without a death from the disease.

The type of scarlet fever has again been mild.

Seven cases of acute poliomyelitis (infantile paralysis) were notified. Of these, four had muscular paralysis. One patient who had extensive paralysis ultimately made a good recovery.

The twelve cases of food poisoning were not proved to have been due to any specific food taken.

A limited epidemic of chicken pox occurred in a few parishes.

The incidence of illness among the working population throughout 1953 was not excessive.

Details of the incidence of notifiable infectious diseases classified according to age and locality are given on pages 10 and 11.

TABLE SHOWING LOCAL DISTRIBUTION OF CASES
NOTIFIED DURING THE YEAR.

PARISH	Anterior Poliomyelitis	Erysipelas	Dysentery	Food Poisoning	Infective Hepatitis	Measles	Puerperal Pyrexia	Pneumonia	Scarlet Fever	Whooping Cough	Pulmonary Tuberculosis	Other Forms of Tuberculosis	Totals
Great Baddow	1	1	1	4	3	142	—	2	3	24	4	2	187
Little Baddow	1	—	—	—	—	64	—	—	1	19	2	—	87
Boreham	—	2	5	—	—	127	—	1	1	41	5	—	182
Broomfield	1	—	—	—	—	26	—	1	2	16	—	—	46
Chignall	—	—	—	—	—	2	—	—	—	1	—	—	3
Danbury	—	—	—	5	—	125	—	—	4	10	3	1	148
Good Easter	—	—	—	—	—	3	—	—	—	3	—	—	6
East Hanningfield	—	—	—	2	—	23	—	—	—	—	1	—	26
South Hanningfield	—	—	—	—	—	61	—	—	3	1	1	1	67
West Hanningfield	—	—	—	—	—	11	—	—	2	—	—	—	13
Ingatstone & Fryerning	—	—	—	—	—	4	—	3	1	13	—	—	21
Great & Little Leighs	—	2	—	—	—	7	—	—	3	10	1	—	23
Margaretting	1	1	—	—	—	6	—	—	3	2	—	—	13
Mashbury	—	—	—	—	—	1	—	1	—	—	—	—	2
Mountnessing	—	—	—	—	—	17	—	1	—	1	—	2	21
Pleshey	—	—	—	—	—	12	—	—	—	—	—	—	12
Rettendon	—	—	—	—	1	37	—	1	—	19	—	—	58
Roxwell	—	—	—	—	—	48	1	—	3	5	—	—	57
Runwell	—	—	—	—	—	43	1	—	—	8	6	1	59
Sandon	—	—	—	1	—	25	—	—	—	2	—	—	28
Springfield	—	—	—	—	—	12	—	1	1	2	—	—	16
Stock	1	—	—	—	1	5	—	—	—	6	1	—	28
Great Waltham	—	2	—	—	—	52	—	—	14	5	1	—	58
Little Waltham	—	1	—	—	—	11	—	—	—	—	—	—	33
Woodham Ferrers	1	1	—	—	2	31	—	—	2	18	3	—	43
Writtle	1	1	—	—	—	122	1	2	7	25	3	—	162
TOTALS	7	10	6	12	7	1017	3	13	53	233	31	7	1399

NOTIFIABLE DISEASES DURING THE YEAR.

Infectious Diseases	Total Cases Notified	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
Anterior Poliomyelitis ...	7	—	—	3	—	2	—	2	—	—	—	—	—	7
Erysipelas ...	10	—	—	—	—	—	—	—	—	—	2	7	1	4
Measles ...	1017	21	80	88	140	132	506	25	7	12	3	3	—	19
Pneumonia ...	13	1	—	—	1	—	1	1	—	—	2	3	4	2
Food Poisoning ...	12	—	—	—	—	1	1	2	1	3	4	—	—	—
Scarlet Fever ...	53	—	1	—	2	8	33	5	1	1	2	—	—	17
Infective Hepatitis ...	7	—	—	—	—	—	4	—	1	2	—	—	—	2
Whooping Cough ...	233	14	25	25	32	23	108	4	—	1	—	1	—	5
Dysentery ...	6	—	2	1	—	—	—	2	—	1	—	—	—	—
Puerperal Pyrexia ...	3	—	—	—	—	—	—	—	—	3	—	—	—	1
TOTALS ...	1361	36	108	117	175	166	653	41	10	23	13	14	5	57

TUBERCULOSIS.

The following table gives particulars of new cases of Tuberculosis and deaths during the year.

Age Periods	*New Cases				Deaths			
	Respiratory		Non-Respiratory		Respiratory		Non-Respiratory	
	M.	F.	M.	F.	M.	F.	M.	F.
Under 1 ...	—	—	—	—	—	—	—	—
1—5 ...	—	—	—	—	—	—	—	—
5—10 ...	—	—	1	1	—	—	—	—
10—15 ...	—	—	2	1	—	—	—	—
15—20 ...	1	—	—	1	—	—	—	—
20—25 ...	—	3	—	—	—	—	—	—
25—35 ...	4	4	—	—	—	1	—	—
35—45 ...	6	3	—	—	—	—	—	—
45—55 ...	6	2	—	—	1	—	—	—
55—65 ...	1	—	—	—	1	—	—	—
65 & over ...	1	—	—	1	—	—	—	—
TOTALS ...	19	12	3	4	2	1	—	—

*Not including cases of tuberculosis removed into the District during the year, which had been previously notified elsewhere.

WATER SUPPLY

A constant piped water supply is provided from the mains of the Council, the Southend Waterworks Company (these are in the statutory area of the Company which includes the parish of Mountnessing and part of the parish of South Hanningfield) and two small private supplies in the parishes of Boreham and Great and Little Leighs. A few houses in various parishes are supplied from the mains of neighbouring water authorities.

The water from the Council's mains is purchased under statutory authority from the South Essex Waterworks Company. The supply is by gravitation from the reservoir at Danbury and from the trunk mains of the Company. At three points—Danbury, Ingatestone and Stock—there are electric automatic boosting plants to provide a supply to the high levels in these localities.

At the 31st December, 1953, the Water Engineer was able to report to the Drainage and Water Committee that of the 11,481 houses in the Council's area of supply 11,207 houses (97·8 per cent.) were on route of mains and 10,953 houses (95·4 per cent.) were provided with supply from the mains.

In the statutory area of the Southend Waterworks Company there are 676 houses and of these the Company provide water supply to 608 houses.

Of the 12,157 houses in the district, 11,852 (97·5 per cent.) were on route of mains and 11,561 (95·1 per cent.) were provided with a water supply from the mains.

With the proposed mains extensions approved by the Ministry, a further 18 houses will be on the route of mains.

When these extensions are completed, the number of houses in the District without a piped water supply available will be reduced to 287 (2·3 per cent.)

Seventeen houses outside the District are supplied from the Council's mains (Borough of Chelmsford, 4; Rural Districts of Braintree, 6; Dunmow, 2; Maldon, 3; and Urban District of Billericay, 2). In addition, bulk supply is provided for the Rural District of Braintree at three points—at Ranks Green and Fuller Street in the parish of Great and Little Leighs and at Damases Lane in the parish of Boreham.

Connections with the mains of neighbouring water authorities have been made at Main Road, Broomfield, One Bridge, Roxwell Road, Writtle and near 'Running Mare', Galleywood, Great Baddow (to the Chelmsford Borough mains) and at Ingatestone/Mountnessing and Runwell/Wickford boundaries and at Woodham Ferrers (to the mains of the Southend Waterworks Company).

During 1949 a few householders complained of the discolouration of the water from the Council's mains. The South Essex Waterworks Company carried out treatment with lime at their works and no further complaints were received.

During 1950, the Hanningfield Water Order, 1950, was confirmed. It operates as from 1st March, 1951. The Order gives authority to the Southend and South Essex Waterworks Companies to provide a reservoir in South and West Hanningfield parishes. The area purchased by the two Companies is approximately 1,400 acres, of which 960 acres will be flooded. They are authorised to extract water, not exceeding 43 million gallons in any period of 14 days, from the Chelmer and Blackwater Rivers. The Order also authorises the Chelmsford Rural District Council to make application for water reservation.

The reservoir will submerge 19 dwellings (South Hanningfield, 12; West Hanningfield, 7). In addition, in the area to be acquired, 9 dwellings (South Hanningfield) may have to be destroyed and probably 8 will remain intact. The capacity of the reservoir will be six thousand million gallons. During 1953, the construction of the works was fairly advanced.

During the year ended 31st December, 1953, water was supplied throughout the District as follows:

A. *From the South Essex Waterworks Company*

(i)	Great Baddow area (Butts Green No. 1 connection)...	53,265,000
(ii)	Danbury area (Butts Green No. 2 connection)	123,061,000
(iii)	Ingatestone, Margaretting and Writtle (West Hanningfield connection) ...	69,208,000
(iv)	Northern area (Danbury reservoir connection) ...	145,498,000
(v)	Stock area (Downham Road connection) ...	8,057,000
(vi)	Seaman Lane, Stock (1 connection from trunk main to supply 4 houses) ...	32,000
(vii)	Smallgains Lane, Stock ...	2,312,000
(viii)	Danbury (1 connection from trunk main to supply 5 houses) ...	78,000
(ix)	South Hanningfield (1 connection from trunk main to supply 4 houses) ...	664,000
(x)	West Hanningfield (3 connections from trunk main to supply 3 houses) ...	255,000
(xi)	Sandon (3 connections from trunk main to supply 5 houses) ...	444,000
(xii)	Stock (1 connection from trunk main to supply 1 house) ...	59,000
Total from South Essex Waterworks Co.		402,933,000

B. *From the Southend Waterworks Company*

(i)	Mountnessing parish	...	...	...	6,401,000
(ii)	South Hanningfield parish (part of)	...	...	...	7,662,000
(iii)	Woodham Ferrers parish (small part of)	...	...	...	106,000
Total from Southend Waterworks Co.					14,169,000
Total from South Essex Waterworks Co.					402,933,000
Gross total from the two companies					417,102,000
Less amount supplied to Braintree Rural District Council included under A (iv) above					1,526,000
Net amount supplied to Chelmsford Rural District					415,576,000

This total of 415,576,000 gallons of water supplied during the year to consumers in the District compares with 407 million gallons the previous year.

During the year under review, the average daily consumption was 1,138,748 gallons.

Included in the total supplied by the South Essex Waterworks Company are 1,500,000 gallons supplied direct to consumers through meters.

The South Essex Waterworks Company provided nearly 96 per cent. of the total water distributed in the District.

The District Council has statutory rights for a bulk water supply from the Borough of Chelmsford (Chelmsford Water Act, 1923), the Southend Waterworks Company (Southend Waterworks Act, 1924), the South Essex Waterworks Company (South Essex Waterworks Act, 1935) and from the proposed Hanningfield Reservoir (The Hanningfield Water Order, 1950).

Included in the number of houses with a piped water supply are :—

- 16—Springfield supplied from Borough of Chelmsford mains.
- 4—Good Easter supplied from Dunmow Rural District mains.
- 1—Great Waltham supplied from Dunmow Rural District mains.
- 1—Roxwell supplied from Ongar Rural District mains.
- 4—Great and Little Leighs supplied from Braintree Rural District mains.
- 2—Ingatestone supplied from Ongar Rural District mains.

- 1—Runwell from Southend Company's main (outside Company's area).
 5—Danbury direct from South Essex trunk mains.
 4—South Hanningfield direct from South Essex Trunk mains.
 3—West Hanningfield direct from South Essex Trunk mains.
 5—Sandon direct from South Essex Trunk mains.
 1—Stock direct from South Essex Trunk mains.

Hutments included in total of houses supplied are :—

Boreham	}	Boreham	...	...	...	61
Great and Little Leighs		Aerodrome	...	...	...	73
Little Waltham			...	...	...	35
Danbury (Gibcracks Militia Camp)			...	...	...	38
Chignal (Bedells Cross)			...	...	...	3
Roxwell (Cross Keys Camp)			...	...	...	10
Roxwell (Boyton Cross Militia Camp)			...	...	...	35
Total ...						255

At the end of December, 1953, the Council's Water Supply Undertaking comprised 227 miles of watermains, (an increase of 10 miles during the 9 months) made up as follows :—

Northern Area				Miles	
Up to 6" diameter	...	...	...	78.5	
6" diameter and over	...	...	...	22.5	101.0
Southern Area					
Up to 6" diameter	...	...	...	102.5	
6" diameter and over	...	...	...	23.5	126.0
					227.0 miles

The following table shows the number of supplies afforded from these mains.

COUNCIL'S AREA OF SUPPLY

Parish	Number of Houses and Hutments					
	Total	Supplied with water from mains	Not connected but on route of existing mains	Not on route of existing mains	On route of proposed extensions	After extensions completed mains not available
Great Baddow (s.p.a.)	1,754	1,748	—	6	—	6
Great Baddow (o.s.p.a.)	414	400	11	3	—	3
Little Baddow ...	310	289	11	10	—	10
Boreham ...	451	408 (61)	30	13	—	13
Broomfield ...	583	580	3	—	—	—
Chignall ...	128	123 (3)	2	3	—	3
Danbury ...	832	817 (38)	11	4	—	4
Good Easter ...	123	119	4	—	—	—
East Hanningfield ...	134	133	—	1	—	1
South Hanningfield ...	108	98	3	7	—	7
R.D.C. area of supply.)						
Vest Hanningfield ...	207	196	3	8	—	8
Ingatstone ...	792	780	1	11	—	11
Great & Little Leighs	412	373 (73)	18	21	2	19
Margaretting ...	251	221	16	14	—	14
Mashbury ...	42	39	3	—	—	—
Pleshey ...	124	122	2	—	—	—
Roxwell ...	351	301 (45)	30	20	—	20
Runwell ...	462	434	16	12	—	12
Rettondon ...	323	320	2	1	—	1
London ...	276	270	3	3	—	3
Springfield ...	152	121	11	20	3	17
Stock ...	407	377	11	19	—	19
Great Waltham ...	645	586	31	28	—	28
Little Waltham ...	388	373 (35)	9	6	—	6
Woodham Ferrers ...	703	678	1	24	—	24
Writtle (s.p.a.) ...	888	858	7	23	—	23
Writtle (o.s.p.a.) ...	221	189	15	17	—	17
Totals ...	11,481	10,953(255)	254	274	5	269

SOUTHEND COMPANY'S AREA OF SUPPLY

South Hanningfield ... (part of)	381	358	7	16	13	3
Woodham Ferrers ...	1	1	—	—	—	—
Mountnessing ...	294	249	20	25	—	25
Totals ...	676	608	27	41	—	28
Grand Totals ...	12,157	11,561	281	315	18	297

Note. Included are two private piped supplies—one in Great and Little Leighs for 23 houses and one in Boreham providing a supply to 13 houses—and those supplied direct by other authorities.

The figures in brackets in the 2nd column refer to the supplies by communal stand-pipes. The number is high owing to the number of hutments supplied from stand-pipes.

Schedule of New Supplies Afforded from the Mains during the nine months ended 31st December, 1953.

	Existing Premises	New Houses	New Council Houses	Other Premises	Trade Supplies	Domes- tic and Trade supplies	Existing pre- mises where meters have been inserted for other than domestic purposes
Great Baddow ...	—	69	64	—	5	4	6
Little Baddow ...	3	5	—	—	—	2	1
Boreham ...	—	3	32	—	3	—	2
Broomfield ...	—	—	100	—	—	—	1
Chignall ...	—	—	—	—	2	—	1
Danbury ...	—	3	—	—	1	—	2
Good Easter ...	—	1	—	—	—	—	—
East Hanningfield ...	—	—	—	—	1	—	—
South Hanningfield ...	—	2	—	—	—	1	—
West Hanningfield ...	7	1	—	—	1	—	—
Ingatstone & Fryerning ...	2	11	—	—	2	—	2
Great and Little Leighs ...	3	4	8	—	—	—	1
Margaretting ...	6	2	—	1	2	—	1
Mashbury ...	—	—	—	—	—	—	—
Mountnessing ...	—	—	—	—	—	—	—
Pleshey ...	—	—	—	—	1	—	—
Rettendon ...	1	1	—	2	4	—	1
Roxwell ...	5	1	—	—	2	—	—
Runwell ...	6	22	—	—	1	—	1
Sandon ...	1	1	—	—	1	—	1
Springfield ...	1	1	—	1	—	—	—
Stock ...	1	3	—	—	—	—	2
Great Waltham ...	7	2	30	—	2	—	1
Little Waltham ...	4	2	—	—	—	1	1
Woodham Ferrers ...	—	2	—	—	2	—	—
Writtle (s.p.a.) ...	10	1	40	2	4	2	3
Totals	57	137	274	6	34	10	28

This is an increase of 518 supplies during the 9 months

*Schedule of the Number of Supplies Afforded by
Meter at 31st December, 1953.*

	Diameter of Meters									Total No. of Meters
	$\frac{1}{4}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "	1"	$1\frac{1}{2}$ "	2"	3"	4"	6"	
Great Baddow (s.p.a.)	2	76	17	4	—	2	—	—	—	101
Great Baddow (o.s.p.a.)	5	36	11	5	—	—	—	—	—	57
Little Baddow ...	4	27	10	—	—	—	—	—	—	41
Boreham ...	6	35	15	1	—	2	—	—	—	59
Broomfield ...	1	36	7	—	—	—	—	—	1	45
Chignal ...	2	19	4	—	—	—	—	—	—	25
Danbury ...	5	60	12	3	—	1	—	—	—	81
Good Easter ...	1	10	1	—	—	—	—	—	—	12
East Hanningfield ...	14	31	8	—	—	—	—	—	—	53
South Hanningfield ...	4	25	4	1	—	—	—	—	—	34
West Hanningfield ...	9	22	11	—	—	—	—	—	—	42
Ingatestone ...	18	71	26	3	—	—	—	—	—	118
Great and Little Leighs	—	21	12	1	—	—	2	—	—	36
Margaretting ...	18	28	9	—	—	—	—	—	—	55
Mashbury ...	—	3	3	—	—	—	—	—	—	6
Pleshey ...	2	9	4	—	—	—	—	—	—	15
Rettendon ...	12	59	15	2	—	—	—	—	—	88
Roxwell ...	—	27	6	1	—	1	—	—	—	35
Runwell ...	3	22	2	—	—	—	1	—	—	28
Sandon ...	4	40	4	2	—	—	—	—	—	50
Springfield ...	3	11	3	—	—	—	—	—	—	17
Stock ...	11	54	10	—	—	—	—	—	—	75
Great Waltham ...	13	36	9	1	—	—	—	—	—	59
Little Waltham ...	4	43	14	—	—	—	—	—	—	61
Woodham Ferrers ...	6	91	15	—	—	—	—	—	—	112
Writtle (s.p.a.) ...	13	44	23	4	—	1	—	1	—	86
Writtle (o.s.p.a.) ...	4	24	8	2	—	—	—	—	—	38
	164	960	263	30	—	7	3	1	1	1,429

This is an increase of 62 metered supplies during the nine months as against 59 for the previous twelve months.

Water mains extensions carried out by the Council during 9 months ending 31st December, 1953 were as follows :—

					<i>Length of main in yards</i>	<i>Diameter of main in inches</i>
Ivy Barn Lane, Ingatestone	...	...	...	...	2,000	4
Warren Road, Runwell	...	...	...	...	1,156	3
Colam Lane, Little Baddow	...	...	...	...	1,328	4
Downham Road, to Mill Road, Stock	...	...	...	...	498	4
Generals to Mount Mascalls, Boreham	...	...	...	...	3,745	3
Brittons Lane, Stock	...	...	...	...	310	3
Hartford End, Great Waltham	...	...	...	...	513	4
Foxborough Chase, West Hanningfield	...	...	...	...	265	3
Canewdon Gardens, Runwell	...	...	...	...	185	3
Ivy Barn Lane, Margaretting	...	...	...	...	323	3
Three Mile Hill, Margaretting	...	...	...	...	1,046	3
Main Road and Private Road, Widford, (Writtle Parish)	...	...	...	...	1,334	3
Beeches Farm to Galleywood	...	...	...	...	103	3
					2,288	4
Church Road, Little Baddow	...	...	...	...	1,035	4
HOUSING ESTATES.						
Rettendon Housing Estate	...	...	...	...	289	3
					219	4
Church Road, Boreham	...	...	...	...	362	3
Hampton Road and off Dorset Avenue, Great Baddow	...	...	...	...	293	4
Housing Estate, Little Baddow	...	...	...	...	420	3
Housing Estate, Great Leighs	...	...	...	...	250	3
					<u>17,962</u>	

This is equivalent to 10.206 miles of new mains.

The length of new mains laid during the year ending 31st March, 1953, was approximately 5.097 miles.

In addition Southend Waterworks Company laid the following mains during the year :—

South Hanningfield	...	...	...	389	4
South Hanningfield	...	...	...	284	3

**PARTICULARS OF BURST COUNCIL WATER MAINS
AND SERVICES REPAIRED DURING PERIOD
1st April to 31st December, 1953**

<i>Parish</i>	<i>Burst Mains</i>	<i>Burst Services</i>
Great Baddow	7	5
Little Baddow	2	3
Boreham	2	2
Broomfield	—	5
Chignall	1	1
Danbury	3	11
Good Easter	—	2
East Hanningfield	4	3
South Hanningfield	1	1
West Hanningfield	6	3
Ingatestone and Fryerning	2	2
Great and Little Leighs ...	3	2
Margaretting	1	—
Mashbury	1	1
Mountnessing	—	—
Pleshey	1	1
Rettendon	7	8
Roxwell	—	2
Runwell	4	6
Sandon	3	10
Springfield	1	—
Stock	2	2
Great Waltham	1	1
Little Waltham	3	2
Woodham Ferrers	5	5
Writtle	6	4
Totals	66	82

Burst mains during previous year totalled 112

Burst services during previous year totalled 118

During the 9 months ending 31st December, 1953, it was necessary to cart 14,000 gallons of water to householders as follows :—

Foxborough Chase, West Hanningfield	...	800 gallons
Joes Lane, Downham	...	6,400 „
Dowsetts Lane, Ramsden Heath		6,800 „
		14,000

The watermains have been extended to supply Foxborough Chase, West Hanningfield and Joes Lane, Downham. The extension for Dowsetts Lane, Ramsden Heath, is under consideration.

SOUTH ESSEX WATERWORKS COMPANY

ANALYSIS OF SAMPLES OF WATER PUMPED FROM THE WORKS AT LANGHAM AND LAYER-DE-LE-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.	830	510
Total solids 180°C.	570	357
Reaction P.H.	7.74	7.75
Residual Chlorine	0.25	0.28
Chlorides as Cl.	77	40
Nitrate Nitrogen	3.1	1.2
Nitrite Nitrogen	0.002	Nil
Hardness, non-carbonate ...	88	110
„ carbonate	294	133
„ Total	382	243
Free Ammonia	0.20	0.14
Albuminoid Nitrogen	0.08	0.16
Oxygen absorbed 4hrs. 27°C.	0.70	1.38
Metals (Iron)	0.03	Nil
Colony Count per m.l. on Agar 1 day at 37°C.	2	8
Ditto 3 days at 20°C.	—	17
Presumptive coli absent in	100 ml.	100 ml.
Bact. Coli absent in	100 ml.	100 ml.
Cl. Welchii Absent in	100 ml.	100 ml.

*Copy of a Recent Analysis of Water from the Southend Waterworks
Company's Mains.*

	Chemical Results in parts per Million	
Appearance	...	Bright with few mineral particles.
Turbidity (Silica Scale)	...	Less than 0.3
Colour A.P.H.A.	...	3
Odour	...	Nil
Reaction pH	...	8.4
Free Carbon Dioxide	...	Absent
Electric Conductivity at 20°C.	...	790
Total Solids, dried at 180°C.	...	530
Chlorine in Chlorides	...	120
Alkalinity as Calcium Carbonate	...	120
Hardness : Total	...	80
Carbonate	...	80
Non-Carbonate	...	Nil
Nitrogen in Nitrates	...	2.0
Nitrogen in Nitrites	...	0.01
Free Ammonia	...	0.043
Albuminoid Ammonia	...	0.069
Oxygen Absorbed in 4 hrs. at 27°C.	...	0.80
Residual Chlorine	...	Absent
Metals	...	0.03 (Iron)

BACTERIOLOGICAL RESULTS

Number of Colonies developing on Agar per ml. in—

1 day at 37°C.	= 350	} Very minute colonies.
2 days at 37°C.	= 500	
3 days at 20°C.	= 300	

Presumptive Coliform

Reaction	...	Absent in 100ml.
Bact. coli	...	Absent in 100ml.
Cl. Welchii Reaction	...	Absent in 100ml.

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

SEWERAGE

Sewers are provided in the more populous areas of the following Parishes :—

Great Baddow, Broomfield, Ingatestone and Fryerning, Mountnessing, Runwell, South Hanningfield (Ramsden Heath Area), Great Waltham (Village area) Little Waltham and Writtle.

The Great and Little Waltham sewers were completed during 1950. Of the remaining areas the position is as follows :—

Great Baddow, Little Baddow, Boreham, Danbury and Springfield : A combined scheme to serve these areas was submitted to the Ministry, but the Local Inquiry has not been held.

Ingatestone and Fryerning, Margaretting, Mountnessing and Stock : A combined scheme to serve these areas was submitted to the Ministry, but a Local Inquiry has not been held.

South Hanningfield (Ramsden Heath) : A scheme mainly to drain the council estate has been completed, and an extension to serve the populous area of the village has been approved by the Ministry.

Roxwell : A scheme was submitted to the Ministry. After a Local Inquiry the Ministry approved the scheme and has given 1st January 1954 as the starting date in respect of a section of the scheme.

Pleshey : A scheme was submitted to the Ministry. After a Local Inquiry the Ministry approved the scheme, but has not yet given a starting date.

Great Waltham (Ford End) : A scheme has been approved by the Ministry, but a starting date has not yet been given.

Great and Little Leighs, and Woodham Ferrers (south) :— These schemes are being considered by the Council.

Woodham Ferrers (north) has been approved by the Council.

STREET LIGHTING

Chelmsford Rural District Council administer Public Lighting in the following Parishes and Contributory Places :—

Great Baddow (s.p.a.), Great Baddow (o.s.p.a.), Broomfield, Danbury (one lamp), Ingatestone, Margaretting, Mountnessing, Roxwell, Springfield, Stock, Little Waltham and Writtle (s.p.a.).

Urban Powers have also been granted by the Minister of Housing and Local Government to enable the Council to administer this service in the Parishes of East Hanningfield, Rettendon, and Woodham Ferrers.

All expenses of providing and maintaining the service in these Parishes have been declared by the Minister to be Special Expenses chargeable upon the individual Parishes and Contributory Places.

Parish Councils who have adopted the Lighting and Watching Act, 1833, and administer Public Lighting in their Parishes are :—

Runwell and Great Waltham.

All expenses of providing and maintaining the service are chargeable upon the parishes concerned.

In Ingatestone and Fryerning, street lighting is by gas. In the parish of Mountnessing the street lighting has been changed from gas to electricity, except 2 lamps where at present electricity is not available. In the remaining areas street lighting is by electricity.

The expenses in connection with existing installations are met by means of Special Rates upon the individual parishes, with the exception of the Improved Main Road Lighting in Great Baddow (s.p.a.), Broomfield and Writtle (s.p.a.). In the case of these lamps, the Contributory Place, by resolution of the Council, bears an amount equal to the annual maintenance costs of ordinary type lamps, the excess annual costs being met as General Expenses payable out of the General Rate. A supply of electricity is available in the populous areas of all parishes.

HOUSING

The Rural District is within the area of the East Central Essex Planning Committee.

The Council, under delegated powers, deals with applications for permission to develop.

During the eight post-war years ending 31st December, 1953, the Council had completed 1077 houses and private enterprise 593 (119 by a housing association—12 in 1950, 20 in 1951, 41 in 1952 and 46 in 1953).

In addition, at the end of 1953, a further 340 Council houses and 180 (56 by a housing association) privately owned houses were under construction. This makes a total of 2,190 houses completed or under construction during the eight years ending 31st December, 1953.

The table on page 28 gives detailed particulars of Council houses. The table on page 29 gives particulars of the number of houses erected since the beginning of 1946. The number of outstanding applicants for Council houses is 1,606, compared with 1,559 a year ago, and an increasing number of new applications is coming in.

Of the permanent houses in the district, 17 per cent. are owned by the Council.

Council Houses.

PARISH	HOUSES ERECTED UNDER					Totals
	The Housing Act 1890	Housing (assisted scheme) 1919	The Housing (Financial Provisions) Act, 1924	Prefabricated Bungalows 1944	1925/46 Housing Acts	
Baddow, Great (s.p.a.) ...	—	51	57	30	194	332
Baddow, Great (o.s.p.a.) ...	—	12	16	—	67	95
Baddow, Little ...	6	—	8	—	12	26
Boreham ...	—	—	46	—	60	106
Broomfield ...	—	—	40	20	70	130
Chignall ...	—	—	8	—	2	20
Danbury ...	6	25	4	—	64	99
Good Easter ...	—	6	—	—	14	20
Hanningfield, East ...	—	—	12	—	17	29
Hanningfield, South ...	6	—	—	—	46	52
Hanningfield, West ...	—	—	4	—	16	20
Ingatstone & Fryerning ...	2	30	32	20	90	174
Leighs, Great & Little ...	—	—	16	—	26	36
Margaretting ...	—	6	—	—	26	32
Mashbury ...	—	—	—	—	—	—
Mountnessing ...	—	8	—	—	50	58
Pleshey ...	—	—	4	—	25	29
Rettendon ...	—	—	26	—	5	31
Roxwell ...	—	—	12	—	71	83
Runwell ...	—	—	—	—	30	30
Sandon ...	4	4	6	—	31	45
Springfield ...	—	—	—	—	38	38
Stock ...	—	—	10	—	52	62
Waltham, Great (Village) ...	—	—	20	—	129	149
Waltham, Great (Ford End) ...	—	—	12	—	21	33
Waltham, Little ...	—	—	6	—	32	38
Woodham Ferrers ...	—	4	24	—	38	66
Writtle (s.p.a.) ...	—	16	102	20	121	259
Writtle (o.s.p.a.) ...	—	—	12	—	10	22
TOTALS ...	24(a)	162	477	90	1,357(b)	2,114

(a) Includes 2 Waterworks Cottages in Ingatstone.

(b) Includes 2 Racecourse Cottages in Baddow, Great (o.s.p.a.)

10 Agricultural Cottages :—

Hanningfield, West 4,

Writtle (s.p.a.) 4,

Ford End 2.

6 Cottages purchased by Council :—

Baddow, Great (s.p.a.) 1,

Baddow, Great (o.s.p.a.) 3,

Ford End 2.

Of the 26 houses in Rettendon under the 1924 Act, 14 were transferred from Runwell in 1948 owing to alteration in parish boundaries.

TABLE SHOWING THE NUMBER OF HOUSES ERECTED DURING THE 7 YEARS
1946-53, AND THOSE IN COURSE OF ERECTION AT END OF 1953

PARISH	Council Houses erected during					In course of erec- tion end of 1953	Private Houses erected during					Totals
	1946 -1949	1950	1951	1952	1953		Totals	1946 -1949	* 1950	1951	1952	
Great Baddow (s.p.a.) ...	(a)60	18	19	—	36	133	55	15	24	55	88(46)	242
Great Baddow (o.s.p.a.) ...	24	8	14	—	—	46	12	—	—	—	5	17
Baddow, Little ...	4	—	—	—	—	4	—	—	—	—	4	19
Boreham ...	14	18	4	—	—	36	37	2	2	2	3	18
Broomfield ...	(d)48	—	5	20	6	79	96	3	—	—	—	3
Chignall ...	2	—	—	—	—	2	—	—	—	—	—	1
Danbury ...	29	7	7	21	—	64	—	—	—	—	—	26
Good Easter ...	6	2	—	—	—	8	10	6	1	2	9	—
Hanningfield, East ...	6	—	5	—	—	11	—	—	—	—	—	—
Hanningfield, South ...	10	—	—	—	36	46	6	2	2	4	4	33
Hanningfield, West ...	12	—	—	—	—	12	—	—	1	—	3	7
Ingatstone & Fryerning ...	(b)42	—	34	—	—	76	—	1	—	2	9	19
Leighs, Great & Little ...	9	—	5	6	—	20	27	—	—	—	7	11
Margaretting ...	—	—	—	14	—	14	—	—	2	4	6	30
Mashbury ...	—	—	—	—	—	—	—	—	—	—	—	—
Mountnessing ...	—	12	10	—	—	22	—	—	1	—	1	3
Pleshey ...	—	15	—	10	—	25	—	—	—	1	2	10
Rettendon ...	5	—	—	—	—	5	76	1	1	1	—	6
Roxwell ...	21	—	7	25	4	57	—	1	2	—	—	35
Roxwell ...	20	—	10	—	—	30	—	1	2	1	13	17
Sandon ...	8	—	—	13	—	21	—	—	1	2	3	1
Springfield ...	26	—	—	—	—	26	—	—	—	—	1	12
Stock ...	6	10	9	10	13	48	—	—	—	2	4	14
Waltham, Great... ..	35	8	8	8	87	146	1	1	2	2	3	8
Waltham, Little ...	8	—	13	7	4	32	—	2	—	4	—	31
Woodham Ferrers ...	4	—	—	16	—	20	—	3	3	3	7	24
Writtle (s.p.a.) ...	(c)48	—	—	26	20	94	32	1	1	1	2	3
Writtle (o.s.p.a.) ...	—	—	—	—	—	—	—	—	—	—	3	593
Totals ...	447	98	150	176	206	1077	340	(c)39	(f)47	(g)88	(h)177	593

Includes 90 Prefabricated Bungalows :— (a) 30, (b) 20, (c) 20, (d) 20. Also (e) includes 12, (f) 20 (g), 41 and (h) 46 erected by a housing association in Great Baddow (s.p.a.)

At end of 1953 there were 180 private houses under construction :— Gt. Baddow 99 (56 Housing Association), Little Baddow 7, Boreham 5, Danbury 5, Good Easter 1, South Hanningfield 5, Ingatstone 15, Great and Little Leighs 3, Margaretting 2, Mashbury 2, Rettendon 2, Runwell 15, Sandon 1, Stock 4, Great Waltham 2, Little Waltham 2, Woodham Ferrers 8, and Writtle 2.

FLOOD RELIEF WORK, CANVEY ISLAND

On the 11th February, 1953, an urgent message was received from the Essex County Council Flood Relief Office stating that Canvey Island Urban District Council required a team of six Sanitary Inspectors to help in the rehabilitation stage following flooding and asked that one should be loaned from this Authority. Mr. T. H. C. Bartrop, Deputy Chief Sanitary Inspector, attended a meeting on the Island the following morning and a further meeting was held the next day.

Owing to the high tides on the three following days no work was done on the Island, but on 17th February the team started work. The island was divided into six sectors. The north-eastern sector, opposite Hadleigh and Leigh marshes, was allocated to this authority. This sector was one of the worst, if not the worst, hit and the majority of deaths occurred here. In this sector there were sixty-five named roads and sixty-one of these were unmade.

The normal population of the Island is over eleven thousand and this is concentrated into about one-quarter of the area. The resident population when the team started was stated to be seven hundred and fifty. Mr. L. G. Smart and Mr. G. E. J. Potter, the Assistant Sanitary Inspectors, joined Mr. Bartrop and between them they maintained continuous duty, including Saturdays and Sundays, until March 2nd. They visited every property in their sector, giving advice on water supplies and sanitation, supervised the working of the two R.A.F. heaters used for drying out houses, assessed the necessity for the issue of coal, mattresses, bedding and other immediate requisites, maintained liaison with the Women's Voluntary Services and the Boy Scouts in their help for elderly people and other necessitous cases and generally used their training in any matter connected with the help and comfort of the people and gave advice where possible.

The following tabular statement gives details of the housing work carried out during the year.

1. *Inspection of Dwelling Houses during the year :—*

(1) (a) Total number of dwelling-houses inspected for housing defects (under Public Health or Housing Acts)	620
(b) Number of Inspections made for the purpose	1,417
(2) (a) Number of dwelling-houses (included under sub-head (1) above) which were inspected and recorded under the Housing Consolidated Regulations	37
(b) Number of Inspections made for the purpose	546
(3) Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation	14
(4) Number of dwelling-houses (exclusive of those referred to under the preceding sub-head) found not to be in all respects reasonably fit for human habitation	88

2. *Remedy of Defects during the year without Service of Formal Notices :—*

Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their officers	64
--	----

3. *Action under Statutory Powers during the year :—*

Proceedings under Public Health Acts :—

(1) Number of dwelling-houses in respect of which notices were served requiring defects to be remedied	66
(2) Number of dwelling-houses in which defects were remedied after service of formal notices :—	
By Owners	30

Proceedings under Sections 11 and 13 of the Housing Act, 1936 :—

(1) Number of dwelling-houses in respect of which Demolition Orders were made	9
(2) Number of dwelling-houses demolished in pursuance of Demolition Orders :—	
By Owners	14
(3) Number of dwelling-houses rendered fit for human habitation as a result of owners complying with undertakings to carry out works of repair—	3

SANITARY INSPECTION OF THE AREA

Slaughterhouses. There are nine licensed slaughterhouses in the area, and although not in general use, several were used for the slaughter of home-reared pigs and goats.

Knackers Yards. There is one in the District, in the parish of Great Baddow. This is a modern building erected during 1935. It is regularly inspected and no cause for complaint has arisen.

Moveable Dwellings. During the year, eighty-three licences were granted to applicants to station moveable dwellings in the District under Section 269 of the Public Health Act, 1936.

The moveable dwellings are sited in the following parishes :—

Great Baddow	...	...	15
Little Baddow	...	...	6
Boreham	...	...	4
Broomfield	...	...	2
Chignall	...	...	1
Danbury	...	...	6
Good Easter	...	...	1
East Hanningfield	...	...	1
South Hanningfield	...	...	2
Ingatestone	...	...	2
Great Leighs	...	...	2
Margaretting	...	...	3
Mountnessing	...	...	1
Pleshey	...	...	2
Rettendon	...	...	3
Roxwell	...	...	3
Runwell	...	...	2
Sandon	...	...	3
Springfield	...	...	8
Stock	...	...	3
Great Waltham	...	...	1
Little Waltham	...	...	1
Woodham Ferrers	...	...	6
Writtle	...	...	5
Total			83

Also in operation during the year were three licences to use land as sites for moveable dwellings—land opposite Mill House, Little Baddow, and two sites at Rettendon (Hayes Farm and May-Phil Swimming Pool, Battlesbridge). The Little Baddow site was licensed for the summer months only for the period ending 30th September, 1953. The licence for Hayes Farm expired on 31st October, 1953, and the one at Battlesbridge expires in March, 1957.

The conditions attached to these site licences have been generally complied with but one of the licensees contravened the conditions of his licence. The Council prosecuted and the defendant was fined.

Swimming Pool, The Chase, Ingatestone. The capacity of this open-air swimming pool is 180,000 gallons and it is fitted with a continuous purification plant. Sanitary accommodation is provided for both sexes.

May-Phil Swimming Pool, Battlesbridge. This open-air sea water swimming pool is situated about 250 yards from the Chelmsford—Southend Road on the bank of the River Crouch.

The size of the pool is 175ft. by 45ft. 6ins., with a depth varying from 3ft. to 8ft. 6ins. and its capacity is 312,000 gallons.

Water Analysis. Samples of water were taken by the Chief Sanitary Inspector's Department as follows:

New mains	...	...	43
Other Mains	...	...	1
Swimming Pools	...	...	6
Streams	...	...	2
Wells	...	...	9

Byelaws for Swimming Pools. During the year, the Council made application to the Minister of Housing and Local Government to apply Section 233 of the Public Health Act, 1936, to their District, for the making of byelaws with respect to swimming pools and bathing pools.

The adoption of such byelaws was confirmed by the Minister on 1st December, 1953, and they came into operation on 1st January, 1954. These byelaws will enable the Council to exercise greater control over the swimming pools in their District.

INSPECTIONS AND PARTICULARS OF NOTICES FOR THE YEAR, 1953.

Nature of Inspection	Total Inspec- tions	Notices Out- stand- ing at end of 1952	Notices Served		Notices		Out- stand- ing at end of 1953
			Informal	Statutory	Complied with	Can- celled	
Infectious Disease Inquiries	118	—	—	—	—	—	—
Infectious Disease Disin- fections	12	—	—	—	—	—	—
Houses Inspected under Public Health or Housing Acts	583	53	74	10	49	9	79
Houses "Carded" under Public Health or Housing Acts	37	—	—	—	—	—	—
Re-inspections under Hous- ing Acts	300	—	—	—	—	—	—
Re-inspections under Public Health Acts	497	—	—	—	—	—	—
Overcrowding	20	—	—	—	—	—	—
Dirty Condition of Houses	23	1	—	—	—	—	1
Other Nuisances in Houses	34	—	—	—	—	—	—
Water Closets	28	9	8	11	3	3	22
Privies and Pail Closets ...	278	11	9	—	6	4	10
House Drainage	713	62	84	52	75	6	117
Other Drainage	190	7	3	—	8	—	2
Water Supply	327	53	17	12	50	11	21
Urinals	21	2	—	—	1	—	1
Pig-Styes	55	4	3	1	8	—	—
Animals Improperly Kept	4	—	—	—	—	—	—
Rats, Mice and Insect Pests	465	6	3	—	6	—	3
Tents, Vans, Sheds and Similar Structures ...	842	2	1	—	3	—	—
Schools	33	4	3	—	1	1	5
Milk Retailers' Premises and Vans	66	—	2	—	1	—	1
Ice Cream Premises	79	—	1	—	1	—	—
Bakehouses	32	7	3	—	5	4	1
Restaurants and Cafes ...	39	8	2	—	9	—	1
Public Houses	54	8	1	—	1	—	8
Fresh and Fried Fish Shops	35	—	1	—	—	—	1
Slaughterhouses and But- chers' Shops	117	—	—	—	—	—	—
Knackers Yards	35	—	—	—	—	—	—
Other Food Preparation and Food Shops	129	13	2	—	5	2	8
Inspections under the Shops Acts	—	—	—	—	—	—	—
Factories:—							
(a) with Mechanical Power	28	4	—	—	1	—	3
(b) without Mechanical Power	6	—	—	—	—	—	—
Public Cleansing:—							
Dustbins	53	40	28	—	19	30	19
Refuse Dumps	261	—	—	—	—	—	—
Miscellaneous	454	—	—	—	—	—	—
Control of Civil Building ...	13	—	—	—	—	—	—
Miscellaneous	255	19	42	—	52	3	6
TOTALS	6,236	313	287	86	304	73	309

The following table provide statistics of work done as a result of the service of Informal and/or Statutory Notices :—

Ashbins provided	...	...	...	...	...	...	19
Brick footings repaired	...	...	...	...	...	...	1
Brick walls repaired	...	...	...	...	...	...	9
Chimney flues repaired	...	...	...	...	...	...	—
Chimney pots provided	...	...	...	...	...	...	1
Chimney stacks repaired or re-pointed	...	...	...	...	...	...	4
Ceiling plasters, repaired or renewed	...	...	...	...	...	...	5
Coppers repaired or provided	...	...	...	...	...	...	3
Damp-proof courses provided	...	...	...	...	...	...	—
Dampness remedied other than by d.p.c.	...	...	...	...	...	...	19
Door furniture provided	...	...	...	...	...	...	1
Door frames, repaired or renewed	...	...	...	...	...	...	3
Doors repaired	...	...	...	...	...	...	3
Eavesgutters and downspouts repaired or renewed	...	...	...	...	...	...	15
External wall plaster repaired or renewed	...	...	...	...	...	...	4
Fireplaces and stoves, repaired or renewed	...	...	...	...	...	...	8
Floors repaired or re-laid	...	...	...	...	...	...	14
Foodstores provided or repaired	...	...	...	...	...	...	2
Foundations repaired	...	...	...	...	...	...	—
Handrails provided to staircases	...	...	...	...	...	...	3
Hearths repaired	...	...	...	...	...	...	—
Internal wall plaster repaired or renewed	...	...	...	...	...	...	13
Internal walls repaired	...	...	...	...	...	...	2
Pails provided to sink wastes	...	...	...	...	...	...	8
Roofs repaired or renewed	...	...	...	...	...	...	28
Rooms converted to kitchens	...	...	...	...	...	...	—
Sashcords renewed	...	...	...	...	...	...	6
Sinks provided or repaired	...	...	...	...	...	...	12
Sink waste pipes provided or renewed	...	...	...	...	...	...	10
Staircases provided or repaired	...	...	...	...	...	...	3
Washing accommodation provided	...	...	...	...	...	...	—
Washhouses repaired	...	...	...	...	...	...	3
Weatherboarded walls renewed or repaired	...	...	...	...	...	...	6
Windows provided or reconstructed	...	...	...	...	...	...	—
Window sills repaired or renewed	...	...	...	...	...	...	2
Window frames repaired or renewed	...	...	...	...	...	...	9
Window sashes repaired	...	...	...	...	...	...	6
Yard gullies cleansed	...	...	...	...	...	...	1
Yards or paths repaired or paved	...	...	...	...	...	...	—
Miscellaneous repairs	...	...	...	...	...	...	13
Bath waste pipes repaired	...	...	...	...	...	...	1
Cesspools cleansed	...	...	...	...	...	...	6

Cesspool overflows abolished	...	...	...	...	2
Cesspool pumps repaired or provided	...	...	...	...	1
Chemical closets provided	...	...	...	...	3
Choked drains cleansed	...	...	...	...	3
Cold water storage cisterns provided	...	...	...	...	1
Drainage systems altered or repaired	...	...	...	...	11
Drainage cut off from ditches, water courses etc.	...	...	...	...	22
Foul ditches cleansed	...	...	...	...	6
Foul ponds cleansed	...	...	...	...	1
Hot water boilers repaired or renewed	...	...	...	...	—
Hot water units provided	...	...	...	...	8
Inspection covers repaired or renewed	...	...	...	...	4
Main water supply provided	...	...	...	...	31
Main water supply extended	...	...	...	...	1
Main water supply re-instated	...	...	...	...	1
Pail closet structures repaired or renewed	...	...	...	...	5
Pig-sty drainage improved	...	...	...	...	2
Privies abolished	...	...	...	...	1
Sanitary accommodation provided to public houses	...	...	...	...	1
Sewer connections	...	...	...	...	9
Sewage disposal plants cleansed	...	...	...	...	1
Soil ventilation pipes repaired	...	...	...	...	1
Urinals cleansed	...	...	...	...	1
Urinals repaired or provided	...	...	...	...	3
Wash-hand basins provided	...	...	...	...	—
Water closet flushing apparatus repaired or renewed	...	...	...	...	—
Water closet pedestals provided	...	...	...	...	2
Water closets provided	...	...	...	...	—
Water closet structures repaired or renewed	...	...	...	...	—
Water pipes, taps repaired	...	...	...	...	5
Water butts provided	...	...	...	...	2
Miscellaneous work done	...	...	...	...	72

MILK SUPPLY

The Ministry of Agriculture and Fisheries is responsible for the administration of dairy farms, and this Council, under the Milk and Dairies Regulations, 1949, for the registration of distributors (who are not also producers) of milk, and for issuing dealers' licences and supplementary licences as set out below :—

Milk and Dairies Regulations, 1949.

Number of registered milk distributors with premises in the District	...	...	...	...	16
Number of registered milk distributors with premises outside the District	...	...	...	...	11

Milk (Special Designation) (Raw Milk) Regulations, 1949.

Number of dealers' licences in force during the year authorising the use of the special designation :

Accredited	...	...	...	...	3
Tuberculin Tested	...	...	...	...	10

Number of supplementary licences in force during the year authorising the use of the special designation :

Accredited	...	...	...	...	1
Tuberculin Tested	...	...	...	...	7

Milk (Special Designation) (Pasteurised and Sterilised Milk) Regulations, 1949.

Number of dealers' licences in force during the year authorising the use of the special designation :

Pasteurised	...	...	...	...	12
Sterilised	...	...	...	...	15

Number of supplementary licences in force during the year authorising the use of the special designation :

Pasteurised	...	...	...	...	7
Sterilised	...	...	...	...	4

Milk Sampling

During the year eighty-six samples of milk were submitted for examination :—

		<i>Number</i>	<i>Satisfactory</i>	<i>Unsatisfactory</i>	<i>Tests Void</i>
Ordinary	...	3	3	—	—
Tuberculin Tested	...	12	10	1	1
Tuberculin Tested	...	18	14	—	4
(Pasteurised)					
Pasteurised	...	40	33	2	5
Sterilised	...	13	13	—	—

Meat and Other Foods

The inspection of food is an important duty of the Chief Sanitary Inspector's Department as will be seen from the table on page 38.

The majority of animals are at present slaughtered in slaughterhouses outside the District, but meat exposed for sale or deposited for manufacture in premises within the district is regularly inspected.

Swine Fever

An emergency slaughter of pigs suspected of swine fever took place at Skreens Park, Roxwell. It was later confirmed that two of the pigs suffered from the disease. The disposal of the carcasses was carried out under supervision on the farm.

The following were condemned as unfit for human consumption :—

Number of tins of :—			
Apples	2	Soup	6
„ (quartered)	14	Steak Pudding	2
Apple Puree	2	Stewed Steak	15
Apricots	2	Strawberries	4
Baby Food	1	Tomatoes	13
Baked Beans	24	Vegetables	1
Blackcurrants	1	Vegetable Macedoine	1
Boneless Gammon (17lb. 2 ozs)	1	Number of Jars of :—	
Broth	1	Chicken	1
Butter Beans	1	Dressed Crab	8
Carrots	9	Pickled Onions	2
Cherries	5	Miscellaneous :—	
Condensed Milk	10	6 lb. Beef Sausages	
Corned Mutton	4	17½ „ Cheese	
Cream	3	10 „ Corn Flakes	
Damsons	1	15 „ Cooked Ham	
Evaporated Milk	42	150 „ Currants	
Grapes	1	112 „ Dried Peas	
Grapefruit	4	69 „ Haricot Beans	
Herrings	4	35 „ Home-killed Beef	
Herring Roes	5	464 „ Imported Beef	
Jam	2	28 „ Lamb	
Jellied Veal (4 lb. size)	13	2½ „ Liver	
„ „ (6 lb. size)	1	1 „ Macaroni	
Luncheon Meat	10	27 „ Minced Steak and Herbs	
„ „ (7 oz. size)	7	20 „ Pearl Barley	
„ „ (12 oz size)	6	32½ „ Pork	
„ „ (4 lb. size)	4	6 „ Pressed Beef	
Mandarin Oranges	1	12 „ Quaker Flakes	
Minced Beef Loaf	1	157 „ Raisins	
Peaches	5	19½ „ Rice	
Pears	3	3 „ Saveloy	
Peas	42	90 „ Sultanas	
Pilchards	1	62 Chickens (213 lb.)	
Pineapple Chunks	2	16 Cockerels (80½ lbs.)	
Pineapple Crush	1	31 Ducks (100 lb.)	
Pineapple in Syrup	1	25 Hens (127 lb.)	
Plums	64	6 Turkeys (52½ lb.)	
Potted Meat	3	2 Pigs (80 lb.)	
Prunes	2	1 Steak Pie	
Raspberries	1	1 Tub Marshmallow Creme	
Rhubarb	1	24 lb. Home-made Jam	
Runner Beans	2	3½ gross 2 oz. Pkts. Cheese Spread	
Salmon	3		
Sardines	1		

BAKEHOUSES

The following table shows the number of bakehouses in occupation at the end of the year :—

GREAT BADDOW	...	...	Carters (Gt. Baddow) Ltd.
BROOMFIELD	...	...	G. H. Follett.
DANBURY	...	...	H. Digby.
			H. Smith
			E. Roast.
			E. S. Upson.
GOOD EASTER	...	...	R. D. Miller
SOUTH HANNINGFIELD	...	...	G. Warder.
INGATESTONE AND FRYERNING			E. Warder.
			S. Raven
GREAT AND LITTLE LEIGHS	...		J. Fleuty.
MARGARETTING	...	...	G. O. Raven.
RETTENDON	...	...	H. and E. Benson
STOCK	...	...	A. C. Cottee.
GREAT WALTHAM	...	...	Bigg Bros.
LITTLE WALTHAM	...	...	E. W. Amos.
WOODHAM FERRERS	...	...	Taylor and Woodland.
WRITTLE	...	...	A. W. Hance.

ESSEX COUNTY COUNCIL ACT, 1933.

Ice Cream.

At the end of the year there were 111 registered vendors of ice cream, and one wholesaler-distributor who purchases his supplies from outside the District. There is one manufacturer of ice cream in the District.

The retailer's source of supply is investigated before certificates are issued.

Section 14 of the Food and Drugs Act, 1938, which deals with the registration of ice cream premises is not in force in the District as the above local Act was already in force.

Ice Cream Sampling.

Ninety-five samples of ice cream were submitted to the bacteriologist for examination. The grades of the Ministry of Health Provisional Grading Scheme into which these samples were placed, together with the results for previous years, were as follows :—

		1953	1952	1951
Grade	I	72	79	69
	II	21	19	26
	III	2	2	11
	IV	—	2	4

Twenty-six samples of ice-lollies were also taken and of these twenty-one proved satisfactory, the remainder being unsatisfactory. They are not subject to grading under the above-mentioned scheme.

MINISTRY OF FOOD MODEL BYELAWS SERIES 1.

The above Model Byelaws have been prepared to assist local authorities in making byelaws under Section 15 of the Food and Drugs Act, 1938, for securing the observance of sanitary and cleanly conditions and practices in connection with the handling, wrapping and delivery of food sold or intended for sale for human consumption, and in connection with the sale of food or exposure of food for sale in the open air.

These Byelaws were adopted without amendment, by the Council on 28th February 1950, confirmed by the Minister of Food on 19th May, 1950, and came into operation on 26th June, 1950.

FOOD POISONING OUTBREAKS.

<i>Total number of outbreaks</i>	<i>Number of cases</i>	<i>Number of deaths</i>	<i>Organisms or other agents responsible, with number of outbreaks attributable to each</i>	<i>Foods involved, with number of outbreaks associated with each food</i>
7	12	NIL	No specific organism isolated	No specific food identified

ADMINISTRATION OF THE FACTORIES ACT, 1937.

1.—INSPECTIONS for the purpose 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	80	6	—	—
(ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority ...	89	60	1	—
(iii) Other Premises in which Section 7 is enforced by the Local Authority (excluding outworkers' premises) ...	—	—	—	—
TOTAL ...	169	66	1	—

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 by H.M. Inspector	
Want of Cleanliness (S.1.)	—	2	—	—
Overcrowding (S.2.) ...	—	—	—	—
Unreasonable Temperature (S.3) ...	—	—	—	—
Inadequate Ventilation (S.4.) ...	—	—	1	1
Ineffective Drainage of Floors (S.6.) ...	—	—	—	—
Sanitary Conveniences (S.7.)	—	—	—	—
Insufficient ...	—	—	—	—
Unsuitable or Defective ...	—	2	—	—
Not separate for sexes ...	—	—	—	—
Other Offences against the Act (not including offences relating to outwork) ...	—	—	1	1
TOTAL ...	—	4	2	2

OUTWORK

Nature of Work (1)	Section 110			Section 111		
	No. of out-workers in August list required by Sect. 110 (1) (c) (2)	No. of cases of default in sending lists to the Council (3)	No. of prosecu- tions for failure to supply lists (4)	No. of instances of work in unwholesome premises (5)	Notices served (6)	Prosecutions (7)
Wearing apparel—Making, etc.	2	—	—	—	—	—
Feather sorting	—	—	—	—	—	—
TOTAL	2	—	—	—	—	—

PUBLIC CLEANSING

The comprehensive refuse collection and disposal scheme was maintained in operation throughout the year though, owing to shortages of workmen, dislocation of the regular schedules unfortunately occurred from time to time.

These shortages arise through absences for sickness and holidays and the inability to replace immediately those who leave the service. During the year, nine men (out of a total establishment of twenty-four) left the service and nine started work, though six of these later left. It is little wonder that under these circumstances houses are occasionally missed owing to the men's unfamiliarity with the rounds.

The appointment of a Public Cleansing Inspector in April, 1953, has ensured a greater degree of detailed supervision which has naturally resulted in an increase in efficiency. The number of men employed as collectors has remained the same for two or three years despite the fact that the number of houses in the District has been steadily increasing. The five vehicles are in constant use and we are not in the position of having one vehicle in reserve to meet such emergencies as accidents, break-downs and routine overhauls.

The great increase in the number of houses in the District has led the Council to consider the purchase of an additional vehicle and the merits of a larger vehicle, possibly with a diesel engine, are being explored. With the increase in the number of houses there is also in many cases an increase in the distances which refuse has to be carried from the house to the vehicle owing to the modern trend for more expansive lay-outs of housing estates. Coalmen, milkmen and other tradespeople suffer with us in this respect.

The transport for the public cleansing service consists of the following vehicles :—

<i>Vehicle No.</i>	<i>Make</i>	<i>Capacity in cu. yds.</i>	<i>Date Purchased</i>	<i>Mileage</i>	
				1952	1953
2	Dennis	... 7	1943	7,487	5,705
3	Shelvoke & Drewry (Mark II)	... 11.3	1947	5,839	6,538
4	Shelvoke & Drewry (Mark II)	... 11.3	1947	7,792	8,906
5	Shelvoke & Drewry (W. Type)	... 11.3	1948	5,907	7,711
6	Shelvoke & Drewry (W. Type)	... 11.3	1950	8,368	6,630
Total ...				35,393	35,490
Austin A.40 pick-up (1950)				1952 2,326	11,247

With the completion of a public sewer in the parishes of Great and Little Waltham, the contract for the collection of night soil from these parishes ceased on 31st March, 1953. By the end of 1953, there still remained a number of properties to be connected to the sewer.

During the year, Mr. B. Easton, of Wickford, the contractor for the collection of night soil in the District, gave notice to terminate his contract with the Council, as he found it uneconomical to continue collections from a reduced number of houses. Another contractor, Mr. G. Barker, of Steeple, now carries out the collections from the following parishes for the sum of £18 per month.

<i>Parish</i>				<i>No. of Houses</i>
Rettendon :				
Battlesbridge	...	...	...	30
Hoe Lane	...	...	...	14
Woodham Ferrers	...	...	...	52

The cost of the public cleansing service has risen with that of wages, petrol, repairs, spare parts, etc. As the wages bill accounts for about three-quarters of the total, it is interesting to compare the rise of the rate in the pound for the public cleansing service with the rise in wage rates.

<i>Financial Year</i>	<i>Net Cost of Service</i>	<i>Rate in £</i>	<i>Percentage increase in rate over previous year</i>	<i>Weekly wage of collectors at 1st April</i>	<i>Percentage increase in wages over previous year.</i>
		s. d.		£ s. d.	
1950/51	9,524	11 3	—	5 4 0	—
1951/52	9,677	11 4	.9%	5 9 6	5.7%
1952/53	11,585	13 4	17.5%	6 9 4	18.2%
1953/54	12,518	14 2	6.0%	6 13 0	3.1%

Taking the period as a whole, wage rates have increased by nearly 28% while the rate in the pound for the public cleansing service has increased by nearly 26%.

PETROLEUM LICENCES IN FORCE DURING 1953

During the year, 150 licences were granted for the storage of petroleum spirit, the total storage capacity being 113,450 gallons. This is a record number of licences granted during any one year. No fewer than 109 licences are for private installations (not for resale to the public) and the tendency is for the farmer and contractor to have his own bulk supply on the premises. There are also 41 filling stations in the District. Two licences for the storage of cellulose were also granted.

With the increase in the various grades of petrol being sold, applications from licensees of filling stations to install larger or additional tanks were also received during the year.

STATISTICS AND SOCIAL CONDITIONS OF THE AREA

Area (acres)	...	...	86,506	(land and inland waters).
Home Population (estimated, June, 1953)	...	...	39,430	
Census population, 1951	...	39,258	(males 18,814, females 20,444).	
Population, 1931 (census)	27,836	(13,628 males ; females).	14,208	
Number of families or separate occupiers (1931)	7,441			
Number of families or separate occupiers (1951)	11,296			
Average number of persons per private Household	3.27.	(1951)		
" " " " " "	3.66.	(1931)		
The rateable value of the district for the half-year commencing—				
1st April, 1952, was	£217,110			
1st April, 1953, was	£224,022			
The sum represented by a penny rate, year ended				
31st March, 1952	...	...	...	£866 17 5
31st March, 1953	...	...	...	£893 0 8

Social Conditions.

Occupational class distribution of occupied and retired males aged 15 and over (Census 1951).

<i>Total Males occupied and retired aged 15 and over</i>	<i>Occupations</i>				
	<i>Professional etc.</i>	<i>Inter- mediate</i>	<i>Skilled</i>	<i>Partly skilled</i>	<i>Unskilled</i>
13,935	534	2,295	6,336	3,393	1,377
Proportion per 1,000 Total ...	38	165	455	243	99

EXTRACTS FROM VITAL STATISTICS OF THE YEAR

		Total	Male	Female	
Live Births	{ Legitimate ...	610	310	300	Birth-rate (R.G.) 16·2
	{ Illegitimate ...	31	16	15	
Still Births	{ Legitimate ...	15	10	5	Rate per 1,000 births
	{ Illegitimate ...	—	—	—	
Deaths		470	217	253	Death-rate (R.G.) 11·9

Deaths from:—

Enteritis and diarrhoea under 2 years of age	...	Nil
Pregnancy, childbirth, abortion		Nil

Number of deaths of infants under 1 year of age 13 :—

Males, 10 (illg. —) Females 3 (illg. —),

The following tabular statement shows age and cause of death of infants under 1 year of age.

Cause of death	LIVED FOR				
	less than 24 hours	1-7 days	1-4 weeks	1-6 months	Totals
Atelectasis	1	2	—	—	3
Premature birth	3	1	—	—	4
Congenital defects	—	1	—	2	3
Other known causes	—	1	1	1	3
Totals	4	5	1	3	13

Death-rate of infants under 1 year of age :—

All infants per 1,000 live births		20·2
Legitimate infants per 1,000 legitimate live births		21·3
Illegitimate infants per 1,000 illegitimate live births	...	—
Deaths from Malignant neoplasm (all ages)		89
Deaths from Measles (all ages)		1
Deaths from Whooping Cough (all ages)		Nil
Deaths of infants under 4 weeks of age, Males 7, Females, 3	...	10

Natural increase of population, namely, the excess in the number of live births over the number of deaths since 1943 is shown in the following tabular statement.

Year	Number of Births	Deaths	increase
1943	584	387	197
1944	670	427	243
1945	586	358	228
1946	693	396	297
1947	770	428	342
1948	726	371	355
1949	690	391	299
1950	642	405	237
1951	589	413	176
1952	590	402	188
1953	641	470	171

Advantage has been taken of the census 1951 and a number of tables are inserted giving details of populations etc. No alteration in parish boundaries was made during 1953.

Hutments taken over by the R.D.C. and in use are as follows :

Boreham Aerodrome	...	...	...	169
Danbury (Militia Camp)	...	...	...	38
Chignall (Bedells Cross)	...	...	...	3
Roxwell (Cross Keys Camp)	...	...	...	10
Roxwell (Militia Camp)	...	...	...	35
TOTAL	...	...	...	255

Comparative Table of Birth and Death Rates During the Year, 1953.

	Rate per 1,000 Resident Population		Deaths under One Year per 1,000 registered Live Births
	Live Births	Deaths from all causes	
England and Wales	15.5	11.9	26.8
160 County Boroughs and Great Towns, including London ...	17.0	12.2	30.8
160 Smaller Towns with resident population of from 25,000 to 50,000 at 1951 Census... ..	15.7	11.3	24.3
Chelmsford Rural District ...	16.2	11.9	20.2

Death rate for Chelmsford Rural District when corrected for age and sex was 10.5 per 1,000 population, and corrected birth rate was 16.7.

The deaths classified according to age were as follows:—

				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				3	2	—	1	7	2	10	3
1 and under 2				3	1	3	—	—	—	—	1
2 " " 5				3	—	1	—	—	—	1	—
5 " " 15				1	1	—	—	—	—	1	1
15 " " 25				2	1	1	—	1	2	2	3
25 " " 35				5	1	3	1	1	1	3	1
35 " " 45				1	1	—	—	3	5	4	6
45 " " 55				7	9	—	2	5	8	12	15
55 " " 65				19	24	2	2	18	9	35	31
65 " " 75				39	49	3	6	18	29	54	72
75 and over				65	105	6	23	36	38	95	120
Totals				147	194	19	35	89	94	217	253

The following table classifies the deaths according to cause and sex.

Cause of Death	Males	Females	Totals
Tuberculosis, respiratory	2	2	4
Tuberculosis, other	—	—	—
Syphilitic disease	—	—	—
Diphtheria	—	—	—
Whooping Cough	—	—	—
Meningococcal infections	—	—	—
Acute poliomyelitis	—	—	—
Measles	—	1	1
Other infective and parasitic diseases	—	1	1
Malignant neoplasm, stomach... ..	4	7	11
Malignant neoplasm, lung, bronchus ...	11	4	15
Malignant neoplasm, breast	1	10	11
Malignant neoplasm, uterus	—	2	2
Other malignant and lymphatic neoplasms	25	25	50
Leukaemia, aleukaemia	2	1	3
Diabetes	1	1	2
Vascular lesions of nervous system ...	15	21	36
Coronary disease, angina	39	29	68
Hypertension with heart disease	3	6	9
Other heart disease	26	36	62
Other circulatory disease	14	24	38
Influenza	3	3	6
Pneumonia	12	14	26
Bronchitis	11	13	24
Other diseases of respiratory system	5	1	6
Ulcer of Stomach and duodenum	3	1	4
Gastritis, enteritis and diarrhoea	—	4	4
Nephritis and nephrosis	—	1	1
Hyperplasia of prostate	4	—	4
Pregnancy, childbirth, abortion	—	—	—
Congenital malformations	3	2	5
Other defined and ill-defined diseases	21	37	58
Motor vehicle accidents	4	—	4
All other accidents	5	7	12
Suicide	3	—	3
Homicide and operations of war	—	—	—
All causes	217	253	470

Acreage, Population, Private Households and Dwellings—Census 1951

Civil Parishes	Acreage (Land & inland water)	Population				Private Households & Dwellings 1951					Estimated number of houses and hutments at end of 1953	
		1931(I)	1951			Private House- holds	Popula- tion in Private House- holds	Struc- turally Seperate Dwell- ings occupied	Rooms occupied	Density of Occupation		
			Persons	Males	Females					Persons per room		Percentage of persons at more than 2 per room
Boreham ...	3,802	1,078	1,669	815	854	0.44	480	472	1,936	0.83	5.8	451
Broomfield ...	1,847	1,310	2,317	1,169	1,148	1.25	564	548	2,627	0.72	—	583
Chignall ...	2,307	350	368	183	185	0.16	117	114	569	0.65	—	128
Danbury ...	3,495	1,807	2,686	1,281	1,405	0.77	784	775	3,716	0.71	0.8	832
East Hanningfield ...	2,516	500	518	236	282	0.21	120	117	587	0.81	2.1	134
Good Easter ...	1,988	403	358	169	189	0.18	116	113	554	0.65	—	124
Great Baddow ...	3,804	3,652	6,654	3,155	3,499	1.75	2,011	1,974	9,245	0.70	0.4	2,168(2)
Great & Little Leighs ...	4,275	886	1,223	616	607	0.29	395	384	1,654	0.74	0.8	412
Great Waltham ...	5,828	1,941	1,635	802	833	0.28	518	511	2,385	0.68	1.3	645
Ingatstone & Fryerning ...	3,917	2,352	2,470	1,148	1,322	0.63	745	720	3,666	0.65	1.0	792
Little Baddow ...	2,755	751	1,001	455	546	0.36	310	310	1,551	0.65	1.8	312
Little Waltham ...	2,786	720	1,247	620	627	0.45	382	378	1,717	0.73	4.1	388
Margaretting ...	2,620	638	771	380	391	0.29	229	229	1,045	0.74	3.0	251
Mashbury ...	898	143	121	60	61	0.13	42	42	203	0.60	—	42
Mountnassing ...	2,775	749	872	419	453	0.31	279	279	1,204	0.72	—	294
Pleshey ...	1,713	272	356	169	187	0.21	114	114	574	0.58	1.5	124
Rettendon ...	4,035	794	1,085	515	570	0.27	318	311	1,461	0.71	2.0	323
Roxwell ...	4,782	774	1,163	590	573	0.24	312	307	1,358	0.86	4.0	351
Runwell ...	1,686	678	2,573	1,092	1,481	1.53	424	411	1,747	0.79	3.7	462
Sandon ...	2,376	618	869	398	471	0.37	240	238	1,132	0.70	1.4	276
South Hanningfield ...	4,933	1,071	1,376	668	708	0.28	427	421	2,103	0.65	1.0	491
Springfield ...	1,842	388	564	284	280	0.31	153	148	740	0.76	3.7	152
Stock ...	3,555	976	1,156	549	607	0.33	350	347	1,696	0.67	0.3	407
West Hanningfield ...	3,108	521	657	338	319	0.21	196	195	952	0.69	2.1	207
Woodham Ferrers ...	4,756	1,353	2,015	994	1,021	0.42	625	608	2,587	0.77	3.9	704
Writtle ...	8,107	3,111	3,537	1,714	1,823	0.44	1,045	1,012	4,932	0.71	2.4	1,109(3)
Totals ...	86,506	27,836	39,261	18,819	20,442	0.45	11,296	11,078	51,941	0.71	1.8	12,162

(1) Figures refer to parishes as constituted at time of census.

(2) Houses in Great Baddow s.p.a.—1754.

(3) In Writtle s.p.a.—888.

Dwellings, Rooms and Households (Census 1951)

Chelmsford R. D.	Structurally Separate Dwellings										All Sizes	Number of Rooms		
	1 Room	2 Rooms	3 Rooms	4 Rooms	5 Rooms	6 Rooms	7 Rooms	8 or 9 Rooms	10 or more Rooms	occupied		Vacant		Total
												Furn'd	Others	
Dwellings occupied														
by 1 Private Household(s)	123	272	1,289	3,743	3,617	1,007	336	325	163	10,875	50,691	13	15	50,719
by 2 Private Household(s)	—	1	3	32	76	28	12	21	16	189	1,132	1	1	1,134
by 3 or more Private Householder(s)	—	—	—	—	6	1	—	3	4	14	118	—	—	118
Total Dwellings occupied	123	273	1,292	3,775	3,699	1,036	348	349	183	11,078	51,941	14	16	51,971
Dwellings wholly vacant	12	27	49	83	39	15	7	5	2	239	951	951	1,057	951
{furnished	6	16	55	72	60	12	5	6	6	238			1,057	1,057
{others														
Total Dwellings occupied and vacant	141	316	1,396	3,930	3,798	1,063	360	360	191	11,555	51,941			53,979
Number of Private Households therein	123	274	1,295	3,807	3,787	1,066	360	376	208	11,296				
Miscellaneous habitations and institutions housing non-private households														
35														

The above includes 107 caravans comprising 144 rooms occupied by 106 households

**Chelmsford R.D. Private Households by size, rooms occupied and density of occupation in
(a) all dwellings (b) shared dwellings (Census 1951)**

Number of Persons in household	Number of Households occupying the following number of rooms									Total Households	Total Persons in Households	Total Rooms occupied	Average Number of Persons per room
	Number of Households occupying the following number of rooms												
	1 Room	2 Rooms	3 Rooms	4 Rooms	5 Rooms	6 Rooms	7 Rooms	8 or 9 Rooms	10 or more Rooms				
(a) Households in All Dwellings													
1	74	143	201	349	158	68	19	9	1	1,022	1,022	3,785	0.27
2	61	168	447	1,165	798	230	61	61	29	3,020	6,040	13,058	0.46
3	27	76	395	988	947	237	88	62	37	2,857	8,571	13,055	0.66
4	16	30	217	699	895	250	83	76	32	2,298	9,192	11,080	0.83
5	6	11	84	351	451	130	47	57	20	1,157	5,785	5,749	1.01
6	2	4	24	142	225	61	22	36	18	534	3,204	2,820	1.14
7	—	1	12	50	102	26	13	19	12	235	1,645	1,327	1.24
8	—	1	4	22	40	16	2	6	9	100	800	587	1.36
9	—	—	—	10	17	6	1	2	5	41	369	254	1.45
10 or more	1	—	—	11	11	1	3	4	1	32	361	209	1.73
Total Households ...	187	434	1,384	3,787	3,644	1,025	339	332	164	11,296	36,989	51,924	0.71
Total Persons ...	394	921	3,828	11,778	13,081	3,629	1,257	1,363	738				
Rooms occupied ...	187	868	4,152	15,148	18,220	6,150	2,373	2,771	2,055				
Distribution per 1,000 households by rooms occupied 1951	17	38	123	335	322	91	30	29	15	1,000			
(b) Households in Shared Dwellings													
Total Households ...	64	162	95	51	28	18	5	7	2	432	1,084	1,261	0.86
Total Persons ...	126	362	232	157	88	65	18	25	11				
Rooms occupied ...	64	324	285	204	140	108	35	58	43				
Distribution per 1,000 households by rooms occupied 1951	148	374	220	118	65	42	12	16	5	1,000			

Chelmsford R.D. Private Households according to possession of certain household arrangements (Census 1951)

	Number of Households			Total Numbers of Private households in district
	Having exclusive use	sharing with another Household	Without a supply inside	
Piped water supply provided within the house (Does not include where tap is in the open yard or where supply is from a public standpipe).	10,043	779	1,474	
Provided with Cooking Stove with an oven (using gas, electricity or other fuel	10,768	295	233	11,296
Provided with Kitchen Sink (with a drain pipe leading outside building and normally used for washing up, does not include wash basin for personal toilet) ...	9,975	336	985	
Provided with Water Closet (flushed by water from cistern or by hand and emptying into a main sewer septic tank or cesspool)	6,497	440	4,359	
Provided with Fixed Bath (connected with a waste pipe leading outside the building but may not have a piped water supply to it)	5,666	338	5,292	
With all five arrangements ...		4968		

Chelmsford R.D. Population in Non-Private Households by Habitation Census 1951.

(Comprises all persons enumerated in Hotels, Boarding Houses and institutions or otherwise grouped in establishments of one kind or another for some functional purpose other than the mere provision of food or domestic convenience).

Total enumerated Population	Population in dwellings occupied by private Households	Hotels, Boarding Houses, Permanent Holiday Camps, etc.		Educational Establishments and Children's Homes	Civilian Hospitals and Nursing Homes	Institutions for Mentally ill or Deficient	Homes for Permanently Disabled or Aged	Miscellaneous Communal Establishments	Defence Establish- ments including Navalships and Service Hospitals	Others including campers vagrants etc.
		With 10 or more rooms	With less than 10 rooms							
39,261	36,989	58	10	199	542	1,185	118	149	2	9

Chelmsford R.D. Ages (quinary) and marital condition
(Census 1951)

	<i>Total Population</i>		<i>Married only</i>	
	<i>Males</i>	<i>Females</i>	<i>Males</i>	<i>Females</i>
Marital Condition :				
Single	8,351	8,620		
Married	9,770	9,872	9,770	9,872
Widowed	638	1,815		
Divorced	60	135		
Age last Birthday :				
0—4	1,777	1,721		
5—9	1,490	1,442		
10—14	1,243	1,250		
15—19	1,117	1,160	2	49
20—24	1,134	1,324	262	603
25—29	1,296	1,362	789	1,027
30—34	1,331	1,410	1,405	1,154
35—39	1,511	1,545	1,265	1,287
40—44	1,475	1,504	1,260	1,226
45—49	1,391	1,378	1,210	1,048
50—54	1,154	1,256	988	927
55—59	970	1,180	838	780
60—64	859	1,084	720	682
65—69	794	997	603	541
70—74	587	770	409	315
75—79	407	560	247	153
80—84	203	327	101	66
85—89	64	128	26	12
90—94	15	42	5	2
95 and over ...	1	2	—	—
Total ...	18,819	20,442	9,770	9,872

Chelmsford R.D. Occupied Male Population by 5 terminal education ages (includes out of work but excludes retired persons).

Terminal education age means the age at which full-time attendance at school, university or other education establishment ceased.

Terminal Education Ages						
<i>All stated ages</i>	<i>Under 15</i>	<i>15</i>	<i>16</i>	<i>17—19</i>	<i>20 and over</i>	<i>Not stated</i>
11,885	8,765	1,213	916	627	364	299

INDEX

	Page(s)
Ambulance Facilities	6
Bakehouses	39
Burials	6
Clinics and Treatment Centres	7, 8
Committees	4, 5
Factories	41-42
Food Inspection	36-40
Hospitals	5
Housing	26-31
Ice Cream	39, 40
Infectious Diseases	9-12
Knackers Yard	32
Laboratory Facilities	5
Maternity and Child Welfare	6-8
Milk Supply	36, 37
Mortuaries	6
Moveable Dwellings	32
Nursing Homes	5
Outworkers	42
Petroleum Licences	44
Public Cleansing	43, 44
Residential Club for Elderly People	5
Revision of Parish Boundaries	47
Sanitary Inspection of Area	32-36
Sewerage	25
Slaughterhouses	32
Staff	3
Statistics from Census 1951	50-56
Street Lighting	26
Swimming Pools	33
Vital Statistics	45-56
Water Supply	13-24 & 53

