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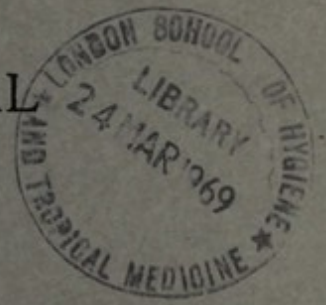
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EPPING URBAN
AND
EPPING AND ONGAR RURAL
DISTRICTS



ANNUAL REPORT

OF THE
MEDICAL OFFICER OF HEALTH
FOR THE YEAR 1967

INCORPORATING THE REPORTS OF THE
PUBLIC HEALTH INSPECTORS



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P U B L I C H E A L T H I N S P E C T O R S

REPORT
AND
REVIEWS AND OTHER
DISTRICTS

ANNALS OF THE

OF

THE MEDICAL OFFICERS OF THE

ARMY FOR THE YEAR 1907

CONTAINING THE REPORTS OF THE

SEVERAL DISTRICTS

I N D E X

	<u>Pages</u>
Public Health Committee.....	1
Public Health Staff.....	2
Preface.....	4
 <u>SECTION 'A' TEXT</u>	
Comments on Vital Statistics.....	6
Comments on Communicable Diseases.....	7
Rehousing on Medical Grounds.....	8
Care of Old People.....	8
Medical Examination of Council Employees.....	8
 Sanitary Circumstances and Inspections - Individual Districts:	
Epping Urban District.....	10
Epping and Ongar Rural District.....	14
 <u>SECTION 'B' STATISTICS</u>	
EPPING URBAN DISTRICT:-	
General Data.....	24
Population.....	24
Births.....	25
Deaths.....	26
Graph Showing Deaths According to Age and Sex.....	28
Causes of Death.....	29
Communicable Diseases (except Tuberculosis).....	30
Communicable Diseases - Tuberculosis.....	31
 Sanitary Circumstances and Inspections:-	
Housing.....	32
Public Health Act.....	33
Clean Air.....	33
Food.....	33

	<u>Pages</u>
Pet Animals	34
Animal Boarding Establishments	34
Agriculture (Safety, Health & Welfare Provisions) Act	34
Noise Abatement	34
Sewage Works	34
Factories	35
Offices, Shops and Railway Premises	37
Rodent Control	39
Petroleum Acts and Orders	39

EPPING AND ONGAR RURAL DISTRICT

General Data	40
Population	40
Births	41
Deaths	42
Graph Showing Deaths According to Age and Sex	44
Causes of Death	45
Communicable Diseases (except Tuberculosis)	46
Communicable Diseases - Tuberculosis	47

Sanitary Circumstances and Inspections:-

Water	48
Housing	50
Caravans and Camping	51
Food	52
Slaughtering and Meat Inspection	54
Rodent Control	55
Petroleum Acts and Orders	55
Factories	56
Atmospheric Pollution	57
Offices, Shops and Railway Premises	58
Summary of Inspections	59

PUBLIC HEALTH COMMITTEES

as at 31st December, 1967

EPPING URBAN DISTRICT

Chairman:

Councillor J. Simpson

Members:

Cllr. G.J. Ball
Cllr. L. Barraclough

Cllr. I.R.P. Doyle
Cllr. A.J. Priest

Cllr. H.S. Walford

EPPING AND ONGAR RURAL DISTRICT

Chairman:

Councillor R.J. Padfield, OBE, JP

Vice-Chairman

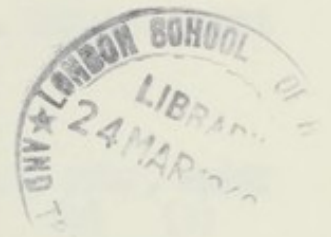
Councillor P.R.H. Gould

Members:

Cllr. R.J. Amanet
Cllr. B.J. Greenhill
Cllr. D.L. Jones
Cllr. P.M. Pegrum
Cllr. R.F. Reader

Cllr. T.W. East
Cllr. W.W.N. Hobbs
Cllr. S.W. Nightingale
Cllr. J.D. Pledge
Cllr. P. Stacey
Cllr. M.A. Welch

Cllr. R.G. Eke
Cllr. B.L. Hollingsworth
Cllr. Mrs. W.E. Page
Cllr. F.B. Radford
Cllr. A. Sutherland



PUBLIC HEALTH STAFF

MEDICAL OFFICER OF HEALTH

I. ASH, MD, DPH *

DEPUTY MEDICAL OFFICER OF HEALTH

B.V. HASSAN, MD, BCh, BAO, DPH +

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PUBLIC HEALTH INSPECTORS

EPPING URBAN DISTRICT

Hawthorn Lodge,
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Surveyor and Public Health
Inspector

H.J. MEAD, MAPHI,
FIAS, MRSH
(1) (2) (3)

Public Health Inspector

W.E. BUXTON, FRSH,
MAPHI
(2) (4) (5)

Clerks

MRS. B.M. CATHERALL
MRS. S. HAWKINS

* Also Medical Officer of Health for Harlow Urban District Council and Area Medical Officer and Divisional School Medical Officer, Essex County Council.

+ Also Deputy Medical Officer of Health for Harlow Urban District Council and Medical Officer, Essex County Council.

EPPING AND ONGAR RURAL DISTRICT

323, High Street,
Epping.

Chief Public Health
Inspector

R.S. SHEARS, MAPHI
(1) (2)

Additional Public Health
Inspectors

R.A.T. KEMP, MAPHI
(1) (2) (3)

R.J. DAVIES, MAPHI
(1) (2)

Chief Clerk and Technical
Assistant

T.D. BLYTH

Clerks

MISS G.M. WILLIAMS

MRS. V.N.P. SMITH
(to 28.2.67)

MRS. K. HAYCOCK
(from 28.3.67)

- (1) Certificate of the Royal Sanitary Institute and Sanitary Inspectors' Examination Joint Board
- (2) Royal Sanitary Institute (Meat and Other Foods) Certificate
- (3) Certificate in Sanitary Science, Royal Sanitary Institute
- (4) Royal Sanitary Institute Certificate for Health Inspectors
- (5) Royal Society of Health Certificate in Tropical Hygiene

To the Chairmen and Members of the
Epping Urban and the Epping and Ongar
Rural District Councils

Ladies and Gentlemen,

It is with pleasure that I present to you my Annual Report for the year 1967, which conforms to the requirements of the Public Health Officers Regulations, 1959, and Circular 1/68 of the Ministry of Health.

For yet another year the vital statistics can be considered satisfactory. The birth rates in both districts again fell slightly and were lower than the rates for the whole country. This trend was balanced by the death rates which were also below the national figure.

It is pleasant to report that no cases of serious infectious diseases occurred in either district.

The reports of the Chief Public Health Inspector, Epping & Ongar Rural District Council and the Public Health Inspector, Epping Urban District Council, which are included herein, show that no effort is spared to maintain the high standard of environmental health which has been achieved in both the urban and the rural district.

Finally I would like to record my thanks to the staff of both Public Health Departments, and to those in other Departments of the Councils whose assistance and co-operation has been freely given during the year.

I. ASH, MD, DPH

Medical Officer of Health

SECTION 'A' TEXT

COMMENTS ON VITAL STATISTICS

Population The Registrar General has estimated the 1967 mid-year population of Epping Urban District as 11,020. This is an increase over 1966 of 330 made up of a natural increase (excess of births over deaths) of 95 and an increase due to newcomers to the district of 235. The natural increase was virtually the same as the year before, but the number of immigrants was almost doubled with the result that the total increase was exactly 50% greater.

The resident population of Epping and Ongar Rural District was estimated as 42,010 compared to 41,360 in 1966. The increase of 650 (1.33%) during the year was very much less than the 890 increase in the previous year and this was accounted for by the immigrants to the district being less than half as many during 1967. Again non-availability of building sites because of the green belt policy must be blamed for these lower figures.

Births In the urban district the total number of live births, at 200, was 8 more than in the previous year and with the increase in population this gave a crude birth rate of 18.1 which was almost exactly the same as in 1966. The adjusted rate (with the necessary calculations made to compensate for the different population structure of the district) was 15.9 compared to the figure for England and Wales which fell to 17.2. Illegitimate live births totalled 8, over 50% down on last year's figure, and only 4.0% of the total live births compared to the national figure of 8.4%. Still births, at 2, were the same as last year and the still birth rate was once more below the figure for the whole country.

Live births in the rural district were again slightly fewer than in the previous year at 725 compared with 741, but the adjusted rate was slightly higher than in the urban district and, as in 1966, only 1.1 per 1,000 below the England and Wales figure. Illegitimate live births (33) were one more than in 1966 but the figure of 4.6% of total live births still compares very favourably with the national figure. Still births totalled 9, an increase of 1 over the 1966 figures but again the rate was below that of the whole country.

Deaths The death rates in both districts continued to be below the national figure of 11.2 per 1,000 population. In Epping Urban District the total number of deaths rose from 93 to 105 giving an adjusted rate of 10.3 (9.3 in 1966). In the rural district the number of deaths fell to 316 compared to 348 the previous year, and the rate fell to 8.8. Half the deaths in the urban district were of persons aged 75 years and above, the corresponding figure for the rural district being 70 years. The percentages of persons dying before reaching the age of 50 years was 14% and 13% respectively. The average age of deaths was 68.6 and 67.0 years in the two districts.

The causes of death showed little significant change compared to 1966 and the figures for the combined districts show a close correlation with those for England and Wales. Once again diseases of the heart and circulation (including strokes) proved to be the most deadly killers accounting for 41.9% of the total deaths in Epping Urban District and 45.9% in Epping and Ongar Rural District. Malignant disease was the next most prevalent cause and was responsible for 28.6% and 26.6% of all deaths respectively. Thus it will be seen that 71.5% and 72.5% of all deaths were the result of these two groups of diseases. In the urban district 1 death was recorded as due to an accident and this was not a motor vehicle accident. In the rural district there were 7 deaths due to motor vehicle accidents and 4 deaths due to other accidents. Suicides accounted for 1 death in the urban and 4 deaths in the rural district. Once again no deaths were recorded as due to pregnancy, childbirth or abortion.

Infant
Mortality

There were three infant deaths in Epping Urban District during the year, all at under three days of age. Two of these were due to prematurity and the other to a congenital defect. In the rural district all but two of the seven deaths occurred within the first four weeks. Four of these were due to congenital defects and the other was the result of infection. A four-month-old boy was accidentally suffocated and a seven-month-old boy died as the result of infanticide.

COMMENTS ON COMMUNICABLE DISEASES

Measles, as usual, was responsible for the highest incidence rate of any communicable disease in either district but the expected biennial peak of this disease was considerably lower than in 1965. There is now the definite possibility that a campaign of vaccination against measles will be well under way in 1968 and this is expected to reduce the incidence of the disease dramatically. In the urban district there was a small outbreak of mild dysentery involving mainly the pupils of a single primary school. Inspection of all schools was carried out and advice on hygiene given. The outbreak lasted only a short time. Four cases of food poisoning were notified in the rural district involving three children and one adult. Two of the children lived at the same address, but otherwise no connexion between the cases could be traced, and no spread of the organisms responsible could be detected. There were 15 cases of infective hepatitis reported in the rural district, mainly in the last three months of the year. Most of the patients were school-children.

Six new cases of tuberculosis (3 pulmonary and 3 non-pulmonary) were added to the register in Epping Urban District and 10 cases (8 pulmonary and 2 non-pulmonary) in Epping and Ongar Rural District.

REHOUSING ON MEDICAL GROUNDS

The Medical Officer of Health or his Deputy again visited all those applicants for housing on whose behalf a medical certificate was submitted, as it was considered that only in this way could priorities of need be assessed. Conditions which had to be taken into account included medical or surgical diseases, old age and physical ability, and the interaction of these with the actual state of the dwelling occupied. In all 20 visits were made for the urban council and 42 for the rural council. Two visits were made on behalf of adjacent councils, and two outside Medical Officers of Health were asked for reports about residents in their areas to enable an assessment to be made.

CARE OF OLD PEOPLE

The Old Peoples' Welfare Committees in both districts continued to do sterling work on behalf of this important section of the community. It is becoming increasingly recognised that help and support given early and regularly can do a great deal to keep the older people healthy and contented and prevent them having to be admitted to welfare homes or geriatric wards. Such admissions add to the economic burden on the country, but even more, they necessarily curtail the freedom of the elderly most of whom treasure their independence highly.

The measures taken by both Committees include regular visits to the old people, assistance in running social and luncheon clubs and meals-on-wheels. Seasonal activities comprised distribution of gift vouchers at Christmas, the running of day excursions to the coast during the summer and the ever-popular holiday schemes whereby old-age pensioners were very heavily subsidised for a week's holiday at Margate at off-peak times.

Generous grants to support the Committees are made by the respective district councils, and funds are also raised by social events.

MEDICAL EXAMINATION OF COUNCIL EMPLOYEES

Both councils gave permission for medical assessment, instead of routine medical examinations, to be carried out on prospective employees. Questionnaires regarding health and medical condition were made more comprehensive, and when these were completed by the applicants the Medical Officer of Health could decide whether a full medical examination was required. Safeguards were built in whereby permission was given for details of previous medical history to be obtained and the form contained an agreement that any deliberately misleading statement could lead to dismissal.

Prior to the introduction of this scheme in October 6 medical examinations were carried out for the urban council and 24 for the rural council. Since that date 1 and 8 assessments respectively have been made and 1 and 7 employees recommended for admission to the superannuation/sick pay schemes. It was necessary to call one applicant for full medical examination, and he was not recommended for employment by the rural council. A total of 4 employees (one a registered disabled person) were recommended for admission to the schemes even though they suffered from defects of sight or hearing and the type of duties not to be undertaken were specified in each case.

SANITARY CIRCUMSTANCES AND INSPECTIONS -
INDIVIDUAL DISTRICTS

I. EPPING URBAN DISTRICT

The Public Health Inspector reports as follows:-

Sewerage and Sewage Disposal

The new extensions to the Southern Outfall have proved very satisfactory in producing good results from the increased flow which followed the diversion made in 1966. With the exception of roads and land works now transferred to the second contract, all outstanding work was completed.

The new contractors began the second phase in April and by the end of the year satisfactory progress had been made. This further contract provides for additional sedimentation and humus tanks, a micro strainer, and additional sludge drying beds. These are required to deal with the further flow which will come into the works when the new pumping station on Bury Farm, included in this contract and designed to divert the whole flow on the old Northern Sewerage system to the Southern Outfall, is completed.

The reduced flow into the Northern Outfall Works has enabled the production of satisfactory effluents at very low maintenance cost as far as labour is concerned. The future of this installation is still under consideration by the Lee Conservancy Catchment Board and the Council's consultants.

Refuse Collection

The new screw compression type vehicle proved extremely satisfactory in dealing with ordinary domestic refuse stored in bins, and the crew of seven were generally capable of dealing not only with ordinary house refuse and the twice-weekly collection from hotels and restaurants, but also with the special free collection of surplus household goods. The Civic Amenities Act and the publicity which resulted from it caused a further increase in the demands on this service. Towards the end of the year sickness amongst the crew and the difficulty of obtaining suitable new recruits caused some problems.

A pilot scheme involving the use of plastic liners was being carried out at the end of the year.

The full-time waste paper baler recruited in 1966 was retained, and there was an increase in the tonnage bailed, from 100.35 tons to 118.03 tons, with a corresponding increase in income, from £860 to £1,030.

Public Conveniences

Although there was no serious damage resulting from vandalism, maintenance continued to be difficult and the frequent minor attacks on these buildings makes it difficult to maintain them in a satisfactory condition.

Further progress was made in the negotiations with the London Co-operative Society to include in their new building a basement convenience, and it is expected that this work will commence during 1968.

Market

During the year the lease with Messrs. Ambrose & Son expired and the Council decided that they themselves would purchase all new equipment and operate the market. Considerable work was involved in negotiating with the traders and in the selection of new stalls and stall coverings, together with the necessary vehicles and stores. All arrangements were made for the new scheme to go into operation early in 1968.

Housing

(a) Parklands

Except for a few problems with condensation, this new estate was completed very satisfactorily, the aged persons bungalows and flats above the shops being completed and occupied early in the year. There was some delay in letting of four shops but these are now all occupied.

The landscaping in its very early stages during 1967 showed promise of being extremely successful. It would seem that with the large parking area available, the provision of actual garages has been too generous and it has proved impossible to let more than 75% of them.

(b) Pelly Court

The block of eight single unit flats was completed and all were allocated without any difficulty.

The Community Centre was opened on the 24th May 1967 by Douglas Gurney Pelly Esq. on behalf of the Pelly family at a ceremony attended by representatives of the many local voluntary organisations who will assist in the running of this centre.

The luncheon club, which is being operated by the W.R.V.S. was opened on 4th June 1967 and the number of meals served on Tuesdays and Thursdays rapidly increased from 20 to between 50 and 60 each day.

Arrangements were made for the Meals on Wheels Service to operate early in 1968 using a vehicle donated by the Epping Round Table.

(c) Chapel Road

This scheme was completed during the year and all dwellings were allocated. A warden was appointed and the whole project seems to be settling down very satisfactorily.

Improvement Grants

There was a noticeable increase in the number of discretionary grant applications, with a welcome increase in schemes for tenanted properties.

Rodents

Regular attention is still given to complaints from both private and business premises, a charge being made for service rendered to the latter.

Food

Periodic inspections of all food premises were carried out. Frequent sampling of ice-cream was also maintained during the year and generally satisfactory results obtained. Defective deep freeze units lead to large quantities of food being voluntarily surrendered for disposal.

There were 16 complaints with regard to food sold to members of the public and six prosecutions were undertaken under Section 2, and two under Section 8 of the Food and Drugs Act, 1955. Total fines and costs were £100.1.1. There was in many cases a reluctance on the part of the complainants to give evidence where Court proceedings might otherwise have been possible. One prosecution was taken under Section 6 of the Food Hygiene Regulations. The offending restaurant owner was found guilty and a fine and costs of £20 imposed.

Public Water Supply

The supply of water was satisfactory. The Lee Valley Water Company report that 157 bacteriological and 12 chemical samples of water supplied to the district were examined and all conformed to the standards of purity suitable for a public supply.

The fluoride content was around 0.2 parts per million.

Offices, Shops and Railway Premises Act, 1963

All premises registered during the year received a general inspection. Appropriate notices were served where necessary and most occupiers have been co-operative in complying with the legislation. Difficulties still arise in newly occupied premises where shopfitters have failed to provide effective and suitable means of ventilation even though this was brought to their notice when plans were approved.

Summary proceedings were taken against the occupier of a restaurant under Section 9 (Sanitary Conveniences) for failing to provide sufficient sanitary conveniences for staff use. In pleading not guilty, the defendant maintained that the staff could use conveniences available for the public. In fact, since the laying of the complaint and the hearing of the case, staff sanitary conveniences had been provided and the Bench therefore dismissed the case.

II. EPPING AND ONGAR RURAL DISTRICT

The Chief Public Health Inspector reports as follows:-

Water

The quantity of water supplied by the Lee Valley Water Company was adequate in all parts of the district but the provision of relief trunk mains by the Company will improve pressure in the parishes of Stapleford Tawney, Stondon Massey and Stanford Rivers.

Chemical and bacteriological examinations were carried out by the Company in respect of 400 samples of water which were found to be satisfactory with the exception of two samples in May, 1967. A minor fault was traced to the Fairfield reservoir, and the necessary steps immediately taken.

The fluoride content of the water was around 0.2 parts per million.

Three samples of well water were taken all of which were unsatisfactory. Main water supply has since been laid on.

Sewerage and Refuse Collection

The Council's Engineer and Surveyor who is responsible for sewerage, sewage disposal and refuse collection, has supplied the following information about these services:-

New Major Schemes	<u>Scheme</u>	<u>Cost</u>	<u>Position at end of 1967</u>
	Roydon - Connexion to trunk sewer	£13,000	Completed.
	Roydon - East End sewerage scheme	£14,000	Completed.
	Extension to Nazeing sewage disposal works and relief sewer	£90,000	Completed.
	Swallows Cross sewage treatment works extension	£130,000	Completed.

<u>Scheme</u>	<u>Cost</u>	<u>Position at end of 1967</u>
Hillmans Cottages - new pumping station and connexion of twelve properties	£4,500	Completed.
Theydon Bois - storm water relief sewer	£90,000	It is anticipated that work will commence in 1968.
Thornwood sewage disposal works	£23,000	It is anticipated that work will commence in 1968.
Stanford Rivers construction of sludge drying plant and ancillary works	£66,000	It is anticipated that work will commence in 1968.
Stanford Rivers sewage disposal works	£250,000	At design stage.
Theydon Bois sewage disposal works	£90,000	At design stage.
Hastingwood sewerage scheme	£70,000	Design completed.
Willingale sewage disposal works - new humus tanks	£8,000	Design completed.

Routine Services There are 11 major sewage disposal plants, 21 minor works and 27 pumping stations serving either wholly or partly sixteen parishes. These were maintained in good working condition despite frequent overloading.

Cesspools and Pail Closets Residents of those parishes which have no main drainage continued to have their cesspools emptied, once a year, free of charge. Two cesspool emptiers were maintained for this purpose.

Public Conveniences The provision of public conveniences remained unchanged. One at Theydon Bois was open only during daylight hours to prevent vandalism, while the convenience at Ongar was available to the public on a 24 hourly basis throughout the year.

Refuse
Collect-
ion In October 1967 a plastic sack system of collection was put into operation in conjunction with a bonus scheme for the operatives, which has resulted in a vastly improved service both from the point of view of the collectors and of the general public. The new system has resulted in the whole of the area now being on a weekly collection with the employment of fewer men and vehicles. At the end of 1967 weekly collections were made from over 14,000 properties involving the use of nearly 17,000 plastic sacks and over 600 bins or other containers from premises where it was not possible to utilise the sack system. This refuse, as well as that from the Epping Urban District, was disposed of at the Bobbingworth tip where two men with machines were employed.

Salvage The salvage collection scheme was continued by the Council.

Housing

Slum
Clearance Forty unfit dwellings were dealt with under the Housing Acts; details are given in Section B.

Since 1955, action has been taken in the case of 370 unfit houses.

Nine Demolition Orders were revoked and three Closing Orders determined upon completion of works required to render the dwellings fit in all respects for human habitation.

Improve-
ments A request was received from a tenant in Sheering asking the Council to exercise its powers under Part II of the Housing Act, 1964 to secure the improvement of the property which was deficient in all the standard amenities with the exception of a cold water supply. A preliminary notice under Sections 14 and 19 of the Act was authorised by Council.

During the year two discretionary and 57 standard grants were approved and payments totalling £11,157 were made.

Since the introduction of grant-aid the total number dealt with has been:-

<u>Discretionary</u> <u>Grants</u>	<u>Standard</u> <u>Grants</u>	<u>Total</u>
320	702	1,022

Moveable
Dwellings

Three site licences for individual caravans were issued during the year.

The Council's temporary site at Hallsford Bridge was closed by the end of the year under review.

The number of permanently occupied caravans on the Roydon Mill Caravan Site has been in dispute for some time and when the issue was taken to appeal, the Minister of Housing and Local Government allowed an area of approximately $2\frac{1}{2}$ acres to be used to site thereon a maximum of 50 permanently occupied caravans and suggested that the remainder of the site should be allowed to continue, but that the Council should ensure that the numbers are reduced progressively on a run-down basis until the permitted number of 50 is reached.

The owners contend that they have a right to station permanently occupied caravans on an area considerably in excess of that allowed by the Minister. The issue continues to be the subject of negotiation with the owners' legal advisers, but there has been no significant reduction in the number of permanent caravans during 1967.

The Elm Farm, Blackmore site is licensed for 32 permanently occupied caravans. The provision of an electricity supply during the year enabled light and heat to be given to the showers and laundry block as well as to each caravan and the individual W.C. compartments

Food

Eight hundred and fourteen visits were made to food premises under the Food Hygiene (General) Regulations.

Summary proceedings for offences under Regulations 16 (2) and 16 (3) resulted in a firm being fined £20 on each count.

Complaints were investigated in eight cases of alleged unsound food either by reason of the presence of foreign bodies or unfitness due to contamination.

Diseases of Animals (Waste Foods) Order 1957

There are 19 swill boiling stations licensed under this Order and 120 inspections were made to ensure that the licence conditions were observed.

Offensive Trades

The business of fat extraction in the parish of Stapleford Abbots was established many years ago, but, when the factory was enlarged in 1959, the opportunity was taken to issue a limited licence (expiring in November 1967) under Section 107 (6) (c) of the Public Health Act 1936.

Bye-laws made under Section 108 of the Act for the regulation of this class of trade are in force and summary proceedings for non-compliance were taken regularly over the years against the owners. Further proceedings were pending at the end of the year under review. No doubt this will be borne in mind when the question of the licence renewal is considered. The maximum fine of £5 for each offence is much too low and has failed to act as a deterrent.

It is understood that the trade is having consultation with the Minister of Housing and Local Government regarding the proposed inclusion of Animal Waste Treatment Works among the processes subject to control under the Alkali etc. Works Regulation Act, 1906.

Farm Effluents and Farm Waste Disposal

Factory farming methods and increasing urbanisation are posing problems which at present remain unresolved and result in recurring complaints from ratepayers on the grounds of nuisance and loss of amenity. The Rivers Pollution Prevention Act, 1961, and the Public Health Act, 1961, brought agricultural wastes within the scope of the Public Health Act, 1936, and the Public Health (Drainage of Trade Premises) Act, 1937. However, in order to safeguard their disposal works, sewage authorities usually demand high charges for allowing such waste to be disposed of through their sewers, and it is an added financial burden on the farming industry. It is not, therefore, surprising that it is estimated that only 1% of farms are connected to the public sewers at present.

Since river authorities are committed to prevent pollution of our water resources, a greater percentage of farms must eventually be connected to the public sewers. Whilst experiments are proceeding with entirely new methods of farm waste disposal, in the meantime there is a need for the whole problem to be examined at a national level.

Furthermore, powers under town planning legislation should be strengthened to prevent the establishment of factory farm units either in or immediately adjacent to existing dwellings where they are liable to cause a nuisance.

A poultry farm housing between 12,000 and 15,000 laying hens is established in the village of Fyfield and the previous slurry method of the disposal of faeces, which caused many strong complaints when the pits were emptied, was changed to the drying method using a Japanese plant specifically designed for the purpose. It consists of an inclined rotating drier which is divided into two compartments, each containing an independent oil-fired system. The first dries the manure, and the evolved gases pass through a cyclone with a dust arrester and fan back into the second brick chamber, which provides after-burning at temperatures which are probably high enough to ensure sterilisation. The gases are then discharged through a 30 ft. high galvanised chimney into the atmosphere. Complaints of the resultant odour from the plant were under investigation at the end of the year under review.

Petroleum Acts and Orders

With the rapid advance of technological development in the field of petroleum distribution and sale, the task of enforcing all the various regulations is difficult and time consuming. Training is, therefore, essential and to date two of the inspectors have attended the school at Attingham held under the auspices of the Association for Petroleum Acts Administration of which the Council is a member. There is already a post-payment self service station at Nazeing and it may not be long before an application is received to instal a pre-payment station either coin or note operated.

Latched nozzles will not be allowed in this area until they are modified to ensure that they cannot be replaced on the pump in the latched position and until the "break-away" mechanism is made more reliable.

Atmospheric Pollution

Daily measurements of the amount of smoke and sulphur dioxide in the atmosphere continued throughout the year by

means of apparatus sited at Kelvedon Hatch. This site is in open country with no sources of pollution within at least one quarter mile, and the information obtained forms part of a national survey being carried out by the Ministry of Technology's Warren Spring Laboratory at Stevenage. Details of the average monthly concentration of smoke and sulphur dioxide covering the period April 1966 to March 1967 are given in Section B together with figures for the preceding twelve months.

The revised edition of the Memorandum on Chimney Heights, which was produced in 1963, makes due allowance for furnaces emitting only small amounts of sulphur dioxide. Up to now, education authorities did not have to comply with the legislation governing chimney heights in schools. However, now the Department of Education and Science have commended the recommendations contained in their Memorandum on Chimney Heights to all education authorities for adoption in the building of new school premises. It is to be hoped that this advice is accepted.

Number of plans submitted showing new chimneys	5
Number of cases in which alterations were required	4
Number of cases approved	5
Number of chimneys erected outside the control of Section 10	15

Noise Abatement

The number of complaints received alleging noise nuisance has increased due, in some measure, to the siting of new housing estates adjacent to existing factories. The occupiers of such dwellings are usually from urban areas who hope to enjoy the relative quietness usually associated with the countryside.

Residents in the parish of Ongar continued to complain of noise from a factory producing a light expanded clay aggregate which operates continuously day and night for most of the year. The new crushing and screening plant which would confine this operation to normal working hours and replace the existing plant, which is the principal source of noise, was on order and due to operate in March 1968.

In the parish of Sheering the problem of noise emanating from the factory using wood for the manufacture of house components had not been fully resolved, but the nuisance in the parish of Abbess Roding arising from engineering work connected with agriculture was abated in November 1967 after informal action.

Offices, Shops & Railway Premises Act, 1963

There were 224 premises registered at the end of the year and 293 visits were made under the Act.

During these visits 72 contraventions of the Act were discovered but the majority of these were minor in character. In all cases informal notices were served and this approach found occupiers ready to co-operate in remedying the shortcomings without the authority needing to resort to legal proceedings.

Experience has again shown that many occupiers are unaware of the requirement to re-register when moving to different premises within the district.

No cases of accident were reported during the year.

Liaison continued with the Council's Engineer and Surveyor when plans for offices or shops were submitted for planning or building regulation approval, and advice was given in appropriate cases.

Inspection of Factories

During the year 133 inspections of factories were made and in no instance was it necessary to resort to statutory action.

Rodent Control

The West Essex Rabbit Clearance Society continued to act as agents of the Council in dealing with rat and/or mouse infestation and 685 non-agricultural premises were treated. Dwelling houses continued to receive this service free of charge.

This Authority is a member of No. 2 (Essex) Workable Area Committee and its meetings provide a useful forum for the exchange of information and methods.

The fact that the Minister of Agriculture, Fisheries and Food is urging a special effort to intensify rodent control in the County through his divisional pest officers is an indication that there is no room for complacency in this field.

No resistance to Warfarin has been reported.

STATISTICS

Year	1965	1966	1967
Area (in acres)	1,400	1,400	1,400
Number of houses (per year)	1,400	1,400	1,400
Number of houses per acre (average)	1.4	1.4	1.4
Number of persons per acre (average)	1.4	1.4	1.4
Number of persons per house (average)	1.4	1.4	1.4
Product of a house rate (1965-66)	1.4	1.4	1.4
The rate in the house (1965-66)	1.4	1.4	1.4

SECTION 'B' - STATISTICS
(Figures in brackets refer to 1966)

Year	1965	1966	1967
Population	1,400	1,400	1,400
Resident population (1965-66)	1,400	1,400	1,400
Population per acre (1965-66)	1.4	1.4	1.4
Population per house (1965-66)	1.4	1.4	1.4
Population per person (1965-66)	1.4	1.4	1.4
Population per house (1965-66)	1.4	1.4	1.4
Population per person (1965-66)	1.4	1.4	1.4
Population per house (1965-66)	1.4	1.4	1.4
Population per person (1965-66)	1.4	1.4	1.4

BIRTHS

(a) <u>Live Births</u>	<u>M</u>	<u>F</u>		
Legitimate.....	105	(97)	87	(82)
Illegitimate.....	4	(8)	4	(5)
Total.....	<u>109</u>	<u>(105)</u>	<u>91</u>	<u>(87)</u>

Crude rate.....	per 1,000 population	18.1	(18.0)
Adjusted rate.....	" " "	15.9	(15.8)
England and Wales.....	" " "	17.2	(17.7)

(b) <u>Illegitimate Live Births - per cent</u>			
<u>of total live births</u>		4.0	(6.8)
" " " " England and Wales.....		8.4	(7.9)

(c) <u>Still Births</u>				
Legitimate.....	1	(1)	1	(1)
Illegitimate.....	-	(-)	-	(-)
Total.....	<u>1</u>	<u>(1)</u>	<u>1</u>	<u>(1)</u>

Rate per 1,000 total live and still	births.....	9.9	(10.3)
" " " " England and Wales.....		14.8	(15.4)

(d) <u>Total Births (live and still)</u>				
Legitimate.....	106	(98)	88	(83)
Illegitimate.....	4	(8)	4	(5)
Total.....	<u>110</u>	<u>(106)</u>	<u>92</u>	<u>(88)</u>

DEATHSMF

(a) All ages 52 (55) 53 (38)

Crude rate	per 1,000 population	9.5	{ 8.7}
Adjusted rate	" " "	10.3	{ 9.3}
England and Wales	" " "	11.2	{ 11.7}

(b) Infants under 1 year of age

Legitimate	-	{ 1}	2	{ -}
Illegitimate	1	{ -}	-	{ -}
Total	1	{ 1}	2	{ -}

Legitimate infant mortality rate per			
1,000 legitimate live births	10.4	{ 5.6}	
" " England and Wales	*	{ 18.6}	

Illegitimate infant mortality rate per			
1,000 illegitimate births	125.0	{ -}	
" " England and Wales	*	{ 24.5}	

Total infant mortality rate per 1,000			
live births	15.0	{ 5.2}	
" " England and Wales	18.3	{ 19.0}	

(c) Neonatal Deaths (infants under 4 weeks of age)

Legitimate	-	{ 1}	2	{ -}
Illegitimate	1	{ -}	-	{ -}
Total	1	{ 1}	2	{ -}

Neonatal mortality rate per 1,000 live			
births	15.0	{ 5.2}	
" " England and Wales	12.5	{ 12.9}	

* Figures not available

DEATHS (CONTINUED)

	<u>M</u>		<u>F</u>	
(d) <u>Early Neonatal Deaths</u> <u>(Infants under 1 week</u> <u>of age)</u>				
Legitimate.....	-	(1)	2	(-)
Illegitimate.....	1	(-)	-	(-)
Total.....	<u>1</u>	<u>(1)</u>	<u>2</u>	<u>(-)</u>

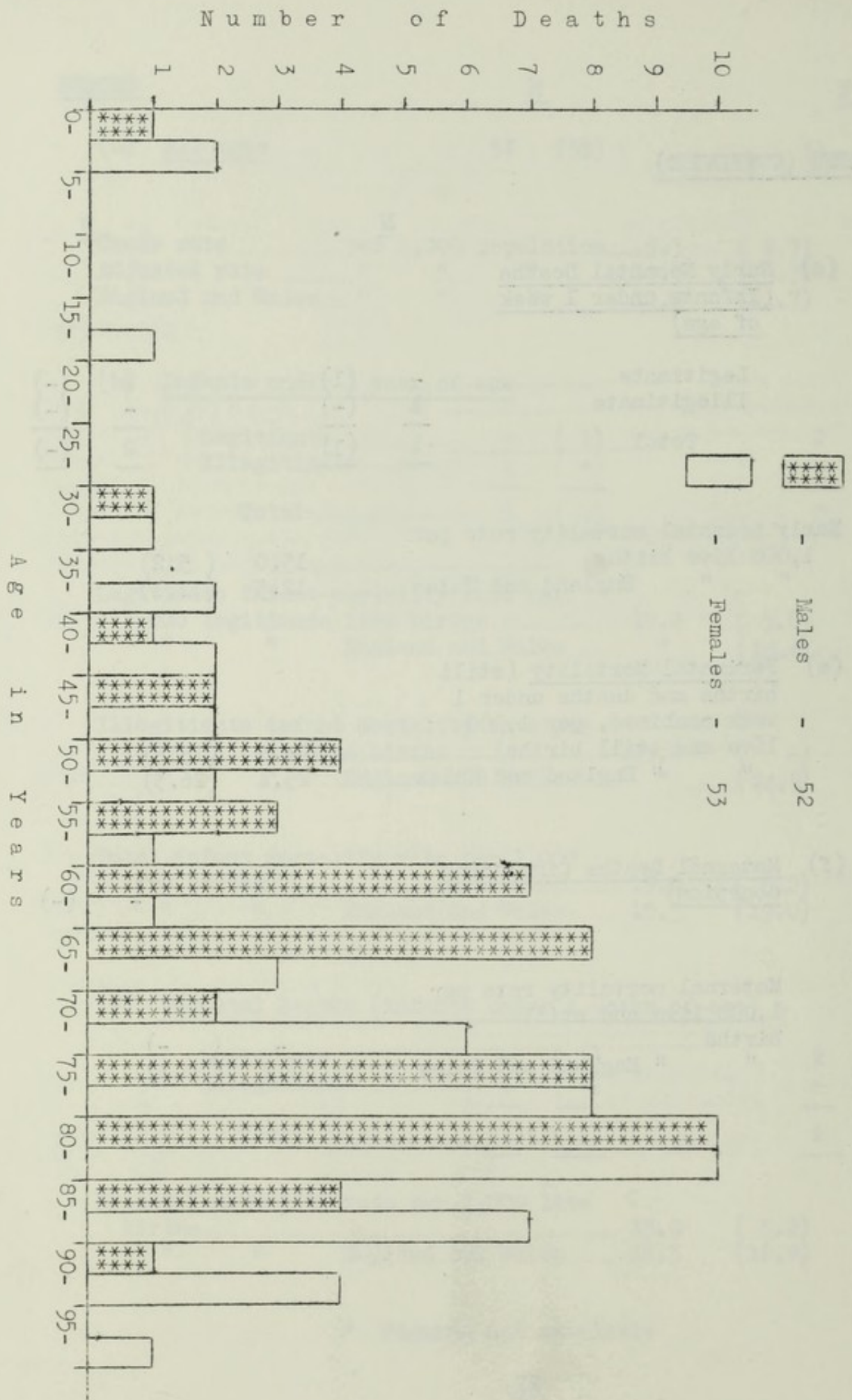
Early neonatal mortality rate per 1,000 live births.....	15.0	{ 5.2 }
" " England and Wales.....	12.5	{ 11.1 }

(e) <u>Perinatal Mortality</u> (still births and deaths under 1 week combined, per 1,000 live and still births).....	24.8	{ 15.5 }
" " England and Wales.....	25.4	{ 26.3 }

(f) <u>Maternal Deaths</u> (including abortion).....	-	(-)
---	---	-----

Maternal mortality rate per 1,000 live and still births.....	-	{ - }
" " England and Wales.....	0.2	{ 0.3 }

Number of Deaths According to Age and Sex



<u>CAUSES OF DEATH</u>	<u>Male</u>	<u>Female</u>	<u>Total</u>
1. Tuberculosis, respiratory	- (-)	- (-)	- (-)
2. Tuberculosis, other	- (-)	- (-)	- (-)
3. Syphilitic disease	1 (1)	- (-)	1 (1)
4. Diphtheria	- (-)	- (-)	- (-)
5. Whooping Cough	- (-)	- (-)	- (-)
6. Meningococcal infections	- (-)	- (-)	- (-)
7. Acute poliomyelitis	- (-)	- (-)	- (-)
8. Measles	- (-)	- (-)	- (-)
9. Other infective and parasitic diseases	- (-)	- (-)	- (-)
10. Malignant neoplasm, stomach	1 (2)	1 (1)	2 (3)
11. Malignant neoplasm, lung, bronchus	5 (6)	- (1)	5 (7)
12. Malignant neoplasm, breast	- (-)	4 (3)	4 (3)
13. Malignant neoplasm, uterus	- (-)	- (2)	- (2)
14. Other malignant and lymphatic neoplasms	9 (6)	10 (4)	19 (10)
15. Leukaemia, aleukaemia	- (-)	- (2)	- (2)
16. Diabetes	- (-)	- (1)	- (1)
17. Vascular lesions of nervous system	5 (2)	10 (7)	15 (9)
18. Coronary disease, angina	11 (14)	10 (4)	21 (18)
19. Hypertension with heart disease	- (2)	2 (-)	2 (2)
20. Other heart disease	3 (4)	3 (6)	6 (10)
21. Other circulatory disease	- (1)	- (1)	- (2)
22. Influenza	- (-)	- (-)	- (-)
23. Pneumonia	3 (6)	1 (3)	4 (9)
24. Bronchitis	6 (4)	- (-)	6 (4)
25. Other diseases of the respiratory system	- (-)	- (-)	- (-)
26. Ulcer of stomach and duodenum	- (3)	1 (1)	1 (4)
27. Gastritis, enteritis and diarrhoea	1 (-)	- (-)	1 (-)
28. Nephritis and nephrosis	- (-)	- (-)	- (-)
29. Hyperplasia of prostate	- (-)	- (-)	- (-)
30. Pregnancy, child-birth, abortion	- (-)	- (-)	- (-)
31. Congenital malformations	- (1)	- (-)	- (1)
32. Other defined and ill-defined diseases	7 (1)	9 (1)	16 (2)
33. Motor vehicle accidents	- (1)	- (-)	- (1)
34. All other accidents	- (1)	1 (1)	1 (2)
35. Suicides	- (-)	1 (-)	1 (-)
36. Homicide and operations of war	- (-)	- (-)	- (-)
All causes	52 (55)	53 (38)	105 (93)

1	Introduction	1
2	Chapter I	1
3	Chapter II	1
4	Chapter III	1
5	Chapter IV	1
6	Chapter V	1
7	Chapter VI	1
8	Chapter VII	1
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396	Chapter LXXXXXXXV	1
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398	Chapter LXXXXXXXVII	1
399	Chapter LXXXXXXXVIII	1
400	Chapter LXXXXXXXIX	1

COMMUNICABLE DISEASES (EXCEPT TUBERCULOSIS)

	Notifications according to age groups											Incidence rate per 10,000 population			
	0-	1-	2-	3-	4-	5-	10-	15-	25-	45-	65-	Age un-known	Total	Epping	England and Wales
Scarlet fever	-	-	-	4	2	8	1	-	-	-	-	-	15	13.6	4.0
Whooping cough	1	-	1	1	1	4	1	-	-	-	-	-	9	8.2	6.3
Measles	-	9	12	10	18	29	1	-	-	-	-	-	79	71.7	95.1
Dysentery	2	4	3	2	4	18	5	2	-	-	-	-	40	36.3	4.5
Meningococcal infection	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0.02
Acute pneumonia	-	-	-	-	-	-	-	-	-	-	-	-	-	0	1.2
Erysipelas	-	-	-	-	-	-	-	-	1	-	-	-	1	0.9	0.3
Food poisoning	-	-	-	-	-	-	-	-	-	-	-	-	-	0	1.0
Infectious hepatitis	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*
Puerperal pyrexia	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*

* Figures not available

COMMUNICABLE DISEASES - TUBERCULOSIS

	<u>Pulmonary</u>		<u>Non-Pulmonary</u>		<u>Total</u>
	<u>M</u>	<u>F</u>	<u>M</u>	<u>F</u>	
Number of cases on the register as at 1.1.67.	47 (48)	39 (40)	7 (7)	2 (2)	95 (97)
Number of cases added to the register during 1967:-					
New cases	1 (-)	2 (-)	3 (-)	- (-)	6 (-)
Inward transfers	1 (1)	- (-)	- (-)	- (-)	1 (1)
Number of cases removed from the register during 1967:-					
Deaths	- (-)	- (-)	- (-)	- (-)	- (-)
Outward transfers	1 (2)	1 (1)	- (-)	- (-)	2 (3)
Patients cured	- (-)	- (-)	- (-)	- (-)	- (-)
Diagnosis amended	- (-)	- (-)	- (-)	- (-)	- (-)
Number of cases remaining on the register at 31.12.67.	48 (47)	40 (39)	10 (7)	2 (2)	100 (95)
Incidence rate of new cases per 1,000 population					0.5 (0)
" " " " " " " " England and Wales					0.2 (0.2)

Incidence according to age

	<u>Pulmonary</u>		<u>Non-Pulmonary</u>	
	<u>M</u>	<u>F</u>	<u>M</u>	<u>F</u>
Under 5 years	- (-)	- (-)	- (-)	- (-)
5 - 14 "	1 (-)	- (-)	2 (-)	- (-)
15 - 24 "	- (-)	1 (-)	- (-)	- (-)
25 - 44 "	- (-)	1 (-)	- (-)	- (-)
45 - 64 "	- (-)	- (-)	- (-)	- (-)
65 and over	- (-)	- (-)	1 (-)	- (-)

STATISTICAL REPORT - 1957

Year	1956-1957		1957		Total
	I	II	I	II	
1957	10	20	15	25	70
1956	12	18	14	22	66
1955	11	19	13	21	64
1954	10	18	12	20	60
1953	9	17	11	19	56
1952	8	16	10	18	52
1951	7	15	9	17	48
1950	6	14	8	16	44
1949	5	13	7	15	40
1948	4	12	6	14	36
1947	3	11	5	13	32
1946	2	10	4	12	28
1945	1	9	3	11	24
1944	1	8	2	10	20
1943	1	7	2	9	16
1942	1	6	1	8	12
1941	1	5	1	7	8
1940	1	4	1	6	4
1939	1	3	1	5	0
1938	1	2	1	4	0
1937	1	1	1	3	0
1936	1	0	1	2	0
1935	1	0	1	1	0
1934	1	0	1	0	0
1933	1	0	1	0	0
1932	1	0	1	0	0
1931	1	0	1	0	0
1930	1	0	1	0	0
1929	1	0	1	0	0
1928	1	0	1	0	0
1927	1	0	1	0	0
1926	1	0	1	0	0
1925	1	0	1	0	0
1924	1	0	1	0	0
1923	1	0	1	0	0
1922	1	0	1	0	0
1921	1	0	1	0	0
1920	1	0	1	0	0
1919	1	0	1	0	0
1918	1	0	1	0	0
1917	1	0	1	0	0
1916	1	0	1	0	0
1915	1	0	1	0	0
1914	1	0	1	0	0
1913	1	0	1	0	0
1912	1	0	1	0	0
1911	1	0	1	0	0
1910	1	0	1	0	0
1909	1	0	1	0	0
1908	1	0	1	0	0
1907	1	0	1	0	0
1906	1	0	1	0	0
1905	1	0	1	0	0
1904	1	0	1	0	0
1903	1	0	1	0	0
1902	1	0	1	0	0
1901	1	0	1	0	0
1900	1	0	1	0	0

INCIDENTS OF ...

Year	1956-1957		1957		Total
	I	II	I	II	
1957	10	20	15	25	70
1956	12	18	14	22	66
1955	11	19	13	21	64
1954	10	18	12	20	60
1953	9	17	11	19	56
1952	8	16	10	18	52
1951	7	15	9	17	48
1950	6	14	8	16	44
1949	5	13	7	15	40
1948	4	12	6	14	36
1947	3	11	5	13	32
1946	2	10	4	12	28
1945	1	9	3	11	24
1944	1	8	2	10	20
1943	1	7	2	9	16
1942	1	6	1	8	12
1941	1	5	1	7	8
1940	1	4	1	6	4
1939	1	3	1	5	0
1938	1	2	1	4	0
1937	1	1	1	3	0
1936	1	0	1	2	0
1935	1	0	1	1	0
1934	1	0	1	0	0
1933	1	0	1	0	0
1932	1	0	1	0	0
1931	1	0	1	0	0
1930	1	0	1	0	0
1929	1	0	1	0	0
1928	1	0	1	0	0
1927	1	0	1	0	0
1926	1	0	1	0	0
1925	1	0	1	0	0
1924	1	0	1	0	0
1923	1	0	1	0	0
1922	1	0	1	0	0
1921	1	0	1	0	0
1920	1	0	1	0	0
1919	1	0	1	0	0
1918	1	0	1	0	0
1917	1	0	1	0	0
1916	1	0	1	0	0
1915	1	0	1	0	0
1914	1	0	1	0	0
1913	1	0	1	0	0
1912	1	0	1	0	0
1911	1	0	1	0	0
1910	1	0	1	0	0
1909	1	0	1	0	0
1908	1	0	1	0	0
1907	1	0	1	0	0
1906	1	0	1	0	0
1905	1	0	1	0	0
1904	1	0	1	0	0
1903	1	0	1	0	0
1902	1	0	1	0	0
1901	1	0	1	0	0
1900	1	0	1	0	0

SANITARY CIRCUMSTANCES AND INSPECTIONS

HOUSING

General

Number of houses as at 31.12.67	3,699
" " " completed by local authority in 1967	58
" " " completed by private enterprise in 1967	98

Repairs

Number of inspections	44
" " re-inspections	45
" " intimation notices served	7
" " statutory notices served	Nil

Housing (Financial Provisions) Act, 1958

House Purchase and Housing Act, 1959

Improvement Grants

(a) Discretionary

Applications considered and approved (owner/occupied: 4 : tenanted: 10)	14
--	----

(b) Standard

Applications considered and approved (owner/occupied: 5 : tenanted: 0)	5
---	---

Visits in connexion with improvement grants	27
---	----

Rent Act, 1957

Number of applications for certificates of disrepair	Nil
--	-----

PUBLIC HEALTH ACT, 1936

Visits in connexion with refuse disposal	12
" " " with drainage	2
" " " with infectious diseases	174
Miscellaneous visits	202

CLEAN AIR ACT, 1956

Visits to industrial premises and schools	7
---	---

FOOD AND DRUGS ACT, 1955

Type and number of shops and other food premises in the district. Number of inspections carried out

	<u>Number of</u> <u>Premises</u>	<u>Number of</u> <u>Inspections</u>
Grocery and provisions	18	31
Confectioners	8	10
Canteens (including school canteens)	8	2
Greengrocers	6	11
Licensed premises	14	6
Restaurants and cafés	7	17
Bakers and confectioners	4	10
Fish shops	3	3
Butchers	8	4
Milk suppliers	4	4
Miscellaneous visits	-	46

Premises registered under Section 16 of the Food and Drugs Act, 1955

Fried fish shops	2
Preparation and sale of preserved meats	2
Sale of ice-cream	20
Visits in connexion with ice-cream	31
Samples of ice-cream and ice lollies taken	103

Food and Drugs Act, 1955 (Continued)

Foodstuffs condemned as unfit for human consumption

	<u>cwts.</u>	<u>lbs.</u>
Meat at retail shops.....	2	61
Cooked meats and meat products.....	2	23
Canned and frozen fish.....	2	71
Canned and frozen fruit and vegetables.....	3	80
Other foodstuffs.....	4	78
Total:.....	<u>15</u>	<u>89</u>

PET ANIMALS ACT, 1951

Number of licences issued.....	2
Number of inspections.....	3

ANIMAL BOARDING ESTABLISHMENTS ACT, 1963

Number of licences issued.....	2
Number of inspections.....	2

AGRICULTURE (SAFETY, HEALTH & WELFARE PROVISIONS) ACT, 1956

Number of inspections.....	2
----------------------------	---

NOISE ABATEMENT ACT, 1960

Number of complaints.....	3
Number of inspections.....	5

SEWAGE WORKS

* Samples were taken as follows:-

Northern Outfall - by the Lee Conservancy
Catchment Board

Satisfactory effluent and fit for discharge.....	6
Just suitable for discharge.....	1
Unsatisfactory effluent and unfit for discharge.....	2

Southern Outfall - by the
Essex River Board

Discharges of very good quality.....	3
--------------------------------------	---

FACTORIES

Factories Act, 1961

Part I

(a) Inspections

	<u>No. on register</u>	<u>Inspections</u>	<u>Written notices</u>	<u>Occupiers prosecuted</u>
(i) Factories in which Sections 1,2,3,4 & 6 are to be enforced by local authorities.....	2	2	-	-
(ii) Factories not included in (i) in which Section 7 is enforced by the local authority.....	37	-	-	-
(iii) Other premises in which Section 7 is enforced by the local authority (excluding out-workers' premises).....	7	2	-	-
	<u>46</u>	<u>4</u>	<u>-</u>	<u>-</u>

(b) Cases in which defects were found

<u>Particulars</u>	<u>No. of cases in which defects were found</u>		<u>Referred</u>		<u>No. of cases in which prosecutions were instituted</u>
	<u>Found</u>	<u>Remedied</u>	<u>To H.M. Inspector</u>	<u>By H.M. Inspector</u>	
Want of cleanliness	-	-	-	-	-
Overcrowding	-	-	-	-	-
Unreasonable temperature	-	-	-	-	-
Inadequate ventilation	-	-	-	-	-
Ineffective drainage of floors	-	-	-	-	-
Sanitary conveniences					
(a) insufficient	-	-	-	-	-
(b) unsuitable or defective	1	-	-	-	-
(c) not separate for sexes	-	-	-	-	-
Other offences against Act (not relating to outwork)	1	1	-	-	-
	2	1	-	-	-
(c) <u>Outwork</u>					

Nil

OFFICES, SHOPS AND RAILWAY PREMISES ACT, 1963

Registration and General Inspections

<u>Class of premises</u>	<u>No. of premises registered during the year</u>	<u>No. of registered premises at end of year</u>	<u>No. of premises receiving a general inspection</u>
Offices.....	4	38	3
Retail shops.....	9	89	7
Wholesale shops, warehouses.....	-	-	-
Catering establishments open to public and canteens.....	-	13	-
Fuel storage depots.....	-	-	-
Total:.....	<u>13</u>	<u>140</u>	<u>10</u>

Total number of visits of all kinds by inspectors:- 61

Analysis of persons employed in registered premises by workplace

<u>Class of workplace</u>	<u>No. of persons employed</u>
Offices.....	267
Shops.....	445
Wholesale shops, warehouses.....	-
Catering establishments.....	132
Canteens.....	1
Fuel storage depots.....	-
Total:.....	<u>845</u>
Total males:.....	334
Total females:.....	511

Offices, Shops and Railway Premises Act, 1963 (Continued)

Prosecutions: 1
(Section 9 - Case dismissed)

Inspectors

Number appointed under Section 52 (1) or (5) of
the Act 2

Accidents:

Non-fatal 3

Analysis of Contraventions

<u>Section</u>	<u>Number</u>
Section 4 - Cleanliness	1
Section 6 - Temperature	2
Section 7 - Ventilation	2
Section 9 - Sanitary conveniences	1
Section 10 - Washing facilities	1
Section 13 - Sitting facilities	1
Section 16 - Floors, passages and stairs	1
Section 17 - Fencing - machinery	1
Section 24 - First aid	4
	<hr/>
Total:	14

RODENT CONTROL (PREVENTION OF DAMAGE BY PESTS ACT, 1949)

Type of Property

	<u>Local authority other than dwellings</u>	<u>All dwelling houses</u>	<u>Business and other premises</u>	<u>Agri- cult- ural</u>	<u>Total</u>
Number of properties inspected as a result of:-					
(a) Notification	-	180	24	-	204
(b) Survey	10	-	-	-	10
(c) Other	-	36	3	-	39
Number of properties found to be infested by:-					
(a) Rats	2	160	11	-	173
(b) Mice	-	6	-	-	6
Number of infested properties treated:-					
	2	190	25	-	217
Number of notices served under Section 4 of the Act (structural):-					Nil
Total number of visits:-					577

PETROLEUM ACTS AND ORDERS

Number of operative licences	18
Number of visits in connexion with petroleum installations	7

EPPING AND ONGAR RURAL DISTRICT

General Data

Area (in acres)	76,007	(76,007)
Number of houses (mid-year)	13,670	(13,370)
Number of houses per acre (average)	0.2	(0.2)
Number of persons per acre (average)	0.6	(0.5)
Number of persons per house (average)	3.1	(3.1)
Rateable value (mid-year)	£1,533,586	(£1,464,914)
Product of a penny rate (financial year 1967/68)	£6,240	(£6,070)
The rate in the pound (financial year 1967/68)	11/-d.	(10/8d)

Population

Resident population (Registrar General's mid-year estimate)	42,010	(41,360)
Increase over the previous year	650	(890)
Natural increase (excess of births over deaths)	409	(393)
Increase due to immigration	241	(497)

BIRTHS

(a) <u>Live Births</u>	<u>M</u>	<u>F</u>
Legitimate.....	348 (360)	344 (349)
Illegitimate.....	18 (21)	15 (11)
Total.....	<u>366 (381)</u>	<u>359 (360)</u>

Crude rate.....	per 1,000 population	17.3 (17.9)
Adjusted rate.....	" " "	16.1 (16.6)
England and Wales.....	" " "	17.2 (17.7)

(b) <u>Illegitimate Live Births - per cent</u>		
<u>of total live births</u>	4.6 (4.3)	
" " " England and Wales.....	8.4 (7.9)	

(c) <u>Still Births</u>		
Legitimate.....	7 (2)	2 (5)
Illegitimate.....	- (-)	- (1)
Total.....	<u>7 (2)</u>	<u>2 (6)</u>

Rate per 1,000 total live and still births.....	12.3 (10.7)
" " " " " England and Wales.....	14.8 (15.4)

(d) <u>Total Births (live and still)</u>		
Legitimate.....	355 (362)	346 (354)
Illegitimate.....	18 (21)	15 (12)
Total.....	<u>373 (383)</u>	<u>361 (366)</u>

DEATHSMF(a) All ages 186 (177) 130 (171)

Crude rate	per 1,000 population	7.5	(8.4)
Adjusted rate	" "	8.8	(9.6)
England and Wales	" "	11.2	(11.7)

(b) Infants under 1 year of age

Legitimate	5	(10)	1	(7)
Illegitimate	1	(1)	-	(-)
Total	6	(11)	1	(7)

Legitimate infant mortality rate per			
1,000 legitimate live births	8.7	(24.0)	
" " England and Wales	*	(18.6)	

Illegitimate infant mortality rate per			
1,000 illegitimate births	30.3	(31.3)	
" " England and Wales	*	(24.5)	

Total infant mortality rate per 1,000			
live births	9.7	(24.3)	
" " England and Wales	18.3	(19.0)	

(c) Neonatal Deaths (infants under 4 weeks of age)

Legitimate	4	(8)	1	(4)
Illegitimate	1	(1)	-	(-)
Total	5	(9)	1	(4)

Neonatal mortality rate per 1,000			
live births	8.3	(17.5)	
" " England and Wales	12.5	(12.9)	

* Figures not available

DEATHS (CONTINUED)

	<u>M</u>	<u>F</u>
(d) <u>Early Neonatal Deaths</u> <u>(Infants under 1 week</u> <u>of age)</u>		
Legitimate	2 (7)	1 (3)
Illegitimate	1 (1)	- (-)
Total	<u>3 (8)</u>	<u>1 (3)</u>

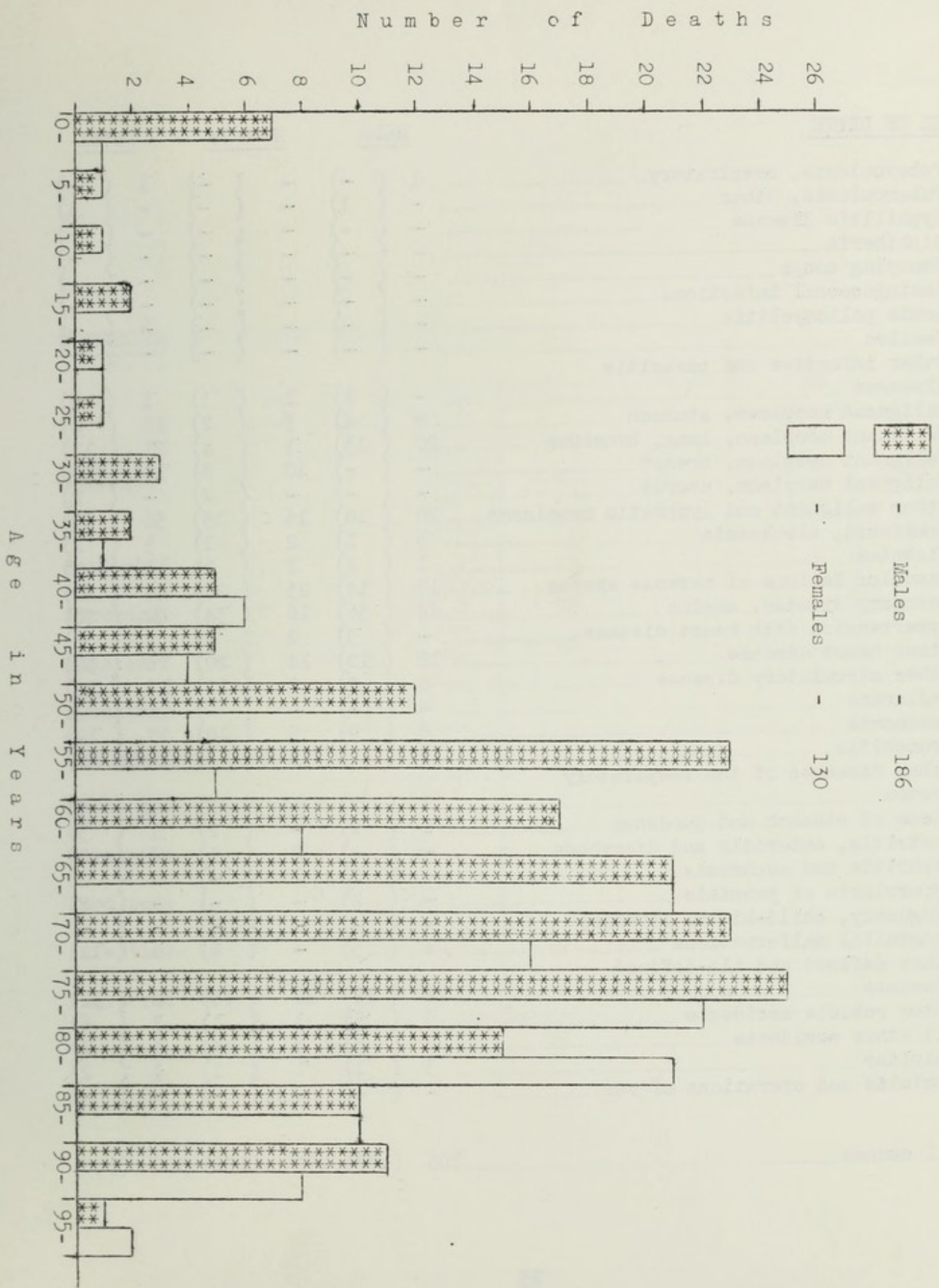
Early neonatal mortality rate per
1,000 live births 5.5 (14.8)
" " England and Wales 12.5 (11.1)

(e) <u>Perinatal Mortality</u> (still births and deaths under 1 week combined, per 1,000 live and still births)	17.7	(25.4)
" " England and Wales	25.4	(26.3)

(f) <u>Maternal Deaths</u> (including <u>abortion</u>)	-	(-)
--	---	-----

Maternal mortality rate per
1,000 live and still
births - (-)
" " England and Wales 0.2 (0.3)

Number of Deaths According to Age and Sex



<u>CAUSES OF DEATH</u>	<u>Male</u>	<u>Female</u>	<u>Total</u>
1. Tuberculosis, respiratory	1 (-)	- (-)	1 (-)
2. Tuberculosis, other	- (1)	- (-)	- (1)
3. Syphilitic disease	- (-)	- (-)	- (-)
4. Diphtheria	- (-)	- (-)	- (-)
5. Whooping cough	- (-)	- (-)	- (-)
6. Meningococcal infections	- (-)	- (-)	- (-)
7. Acute poliomyelitis	- (-)	- (-)	- (-)
8. Measles	- (-)	- (-)	- (-)
9. Other infective and parasitic diseases	- (1)	1 (1)	1 (2)
10. Malignant neoplasm, stomach	9 (4)	3 (2)	12 (6)
11. Malignant neoplasm, lung, bronchus	20 (13)	1 (4)	21 (17)
12. Malignant neoplasm, breast	- (-)	10 (8)	10 (8)
13. Malignant neoplasm, uterus	- (-)	- (2)	- (2)
14. Other malignant and lymphatic neoplasms	20 (18)	16 (15)	36 (33)
15. Leukaemia, aleukaemia	3 (1)	2 (1)	5 (2)
16. Diabetes	1 (2)	2 (2)	3 (4)
17. Vascular lesions of nervous system	17 (14)	23 (27)	40 (41)
18. Coronary disease, angina	44 (36)	16 (34)	60 (70)
19. Hypertension with heart disease	- (3)	2 (2)	2 (5)
20. Other heart disease	12 (10)	14 (20)	26 (30)
21. Other circulatory disease	8 (8)	9 (11)	17 (19)
22. Influenza	- (-)	- (-)	- (-)
23. Pneumonia	8 (9)	9 (10)	17 (19)
24. Bronchitis	13 (17)	3 (3)	16 (20)
25. Other diseases of the respiratory system	1 (2)	- (1)	1 (3)
26. Ulcer of stomach and duodenum	1 (1)	- (2)	1 (3)
27. Gastritis, enteritis and diarrhoea	- (-)	2 (1)	2 (1)
28. Nephritis and nephrosis	- (2)	1 (-)	1 (2)
29. Hyperplasia of prostate	- (2)	- (-)	- (2)
30. Pregnancy, child-birth, abortion	- (-)	- (-)	- (-)
31. Congenital malformations	1 (5)	- (6)	1 (11)
32. Other defined and ill-defined diseases	16 (19)	12 (13)	28 (32)
33. Motor vehicle accidents	6 (5)	1 (1)	7 (6)
34. All other accidents	2 (3)	2 (4)	4 (7)
35. Suicides	3 (1)	1 (1)	4 (2)
36. Homicide and operations of war	- (-)	- (-)	- (-)
All causes	186 (177)	130 (171)	316 (348)

COMMUNICABLE DISEASES (EXCEPT TUBERCULOSIS)

	Notifications according to age groups												Incidence rate per 10,000 population		
	0-	1-	2-	3-	4-	5-	10-	15-	25-	45-	65-	Age un-known	Total	Epping and Ongar	England and Wales
Scarlet fever	-	1	-	3	2	16	2	1	-	-	-	1	26	6.2	4.0
Whooping cough	1	3	3	4	6	17	3	1	1	1	-	-	40	9.5	6.3
Measles	10	35	55	47	56	144	5	-	-	1	-	3	356	84.7	95.1
Dysentery	-	-	3	1	-	2	2	1	4	-	-	-	13	3.1	4.5
Meningococcal infection	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0.02
Acute pneumonia	-	-	-	-	-	-	-	1	2	1	1	-	5	1.2	1.2
Erysipelas	-	-	-	-	-	-	-	-	-	-	-	1	1	0.2	0.3
Food poisoning	1	1	-	-	-	1	-	-	-	1	-	-	4	1.0	1.0
Infectious hepatitis	-	-	-	-	-	8	2	1	2	1	-	1	15	3.6	*
Puerperal pyrexia	-	-	-	-	-	-	-	-	1	-	-	-	1	0.2	*

* Figures not available

(CONTINUED FROM PAGE 1)

POLYMERIZATION					INITIAL CONCENTRATION		INITIAL TEMPERATURE	INITIAL pH	INITIAL OXIDATION STATE
TIME	TEMP.	PH	OXIDATION STATE	INITIAL CONCENTRATION	INITIAL CONCENTRATION				
0	25	7.0	0	0.01	0.01	25	7.0	0	
15	25	7.0	0	0.01	0.01	25	7.0	0	
30	25	7.0	0	0.01	0.01	25	7.0	0	
45	25	7.0	0	0.01	0.01	25	7.0	0	
60	25	7.0	0	0.01	0.01	25	7.0	0	
75	25	7.0	0	0.01	0.01	25	7.0	0	
90	25	7.0	0	0.01	0.01	25	7.0	0	
105	25	7.0	0	0.01	0.01	25	7.0	0	
120	25	7.0	0	0.01	0.01	25	7.0	0	
135	25	7.0	0	0.01	0.01	25	7.0	0	
150	25	7.0	0	0.01	0.01	25	7.0	0	
165	25	7.0	0	0.01	0.01	25	7.0	0	
180	25	7.0	0	0.01	0.01	25	7.0	0	
195	25	7.0	0	0.01	0.01	25	7.0	0	
210	25	7.0	0	0.01	0.01	25	7.0	0	
225	25	7.0	0	0.01	0.01	25	7.0	0	
240	25	7.0	0	0.01	0.01	25	7.0	0	
255	25	7.0	0	0.01	0.01	25	7.0	0	
270	25	7.0	0	0.01	0.01	25	7.0	0	
285	25	7.0	0	0.01	0.01	25	7.0	0	
300	25	7.0	0	0.01	0.01	25	7.0	0	

COMMUNICABLE DISEASES - TUBERCULOSIS

	<u>Pulmonary</u>		<u>Non-Pulmonary</u>		<u>Total</u>	
	<u>M</u>	<u>F</u>	<u>M</u>	<u>F</u>		
Number of cases on the register as at 1.1.67.....	132	(125) 106	(105) 14	(15) 19	(17) 271 (262)	
Number of cases added to the register during 1967:-						
New cases.....	6	{ 7 }	2 { - }	1 { - }	1 { 2 }	10 { 9 }
Inward transfers.....	1	{ 3 }	2 { 4 }	- { - }	- { - }	3 { 7 }
Number of cases removed from the register during 1967:-						
Deaths.....	1	{ - }	- { - }	- { 1 }	- { - }	1 { 1 }
Outward transfers.....	4	{ 3 }	3 { 3 }	- { - }	1 { - }	8 { 6 }
Patients cured.....	-	{ - }	- { - }	- { - }	- { - }	- { - }
Diagnosis amended.....	-	{ - }	- { - }	- { - }	- { - }	- { - }
Number of cases remaining on the register at 31.12.67.....	134	(132) 107	(106) 15	(14) 19	(19) 275 (271)	
Incidence rate of new cases per 1,000 population.....					0.2	{ 0.2 }
" " " " " " " " England and Wales.....					0.2	{ 0.2 }

Incidence according to age

	<u>Pulmonary</u>		<u>Non-Pulmonary</u>					
	<u>M</u>	<u>F</u>	<u>M</u>	<u>F</u>				
Under 5 years.....	-	{ - }	1	{ - }	-	{ - }	1	{ - }
5 - 14 ".....	-	{ 2 }	1	{ - }	-	{ - }	-	{ - }
15 - 24 ".....	-	{ - }	-	{ - }	-	{ - }	-	{ - }
25 - 44 ".....	-	{ - }	-	{ - }	-	{ - }	-	{ 2 }
45 - 64 ".....	3	{ 5 }	-	{ - }	-	{ - }	-	{ - }
65 and over.....	3	{ - }	-	{ - }	1	{ - }	-	{ - }

CONSTITUTIONAL DISEASES - TUBERCULOSIS

Year	Number of cases on the register as at 1.1.51		Number of cases added to the register during 1951		Number of cases removed from the register during 1951		Number of cases remaining on the register at 31.12.51	
	Total	Non-Tubercular	Total	Non-Tubercular	Total	Non-Tubercular	Total	Non-Tubercular
1950	232	106	127	106	14	12	195	102
1951	271	117	137	117	19	17	232	106
1952	332	127	152	127	24	22	295	127
1953	392	157	177	157	29	27	352	157
1954	452	187	202	187	34	32	412	187
1955	512	217	227	217	39	37	472	217
1956	572	247	252	247	44	42	532	247
1957	632	277	277	277	49	47	592	277
1958	692	307	292	307	54	52	652	307
1959	752	337	312	337	59	57	712	337
1960	812	367	327	367	64	62	772	367
1961	872	397	342	397	69	67	832	397
1962	932	427	357	427	74	72	892	427
1963	992	457	372	457	79	77	952	457
1964	1052	487	387	487	84	82	1012	487
1965	1112	517	402	517	89	87	1072	517
1966	1172	547	417	547	94	92	1132	547
1967	1232	577	432	577	99	97	1192	577
1968	1292	607	447	607	104	102	1252	607
1969	1352	637	462	637	109	107	1312	637
1970	1412	667	477	667	114	112	1372	667
1971	1472	697	492	697	119	117	1432	697
1972	1532	727	507	727	124	122	1492	727
1973	1592	757	522	757	129	127	1552	757
1974	1652	787	537	787	134	132	1612	787
1975	1712	817	552	817	139	137	1672	817
1976	1772	847	567	847	144	142	1732	847
1977	1832	877	582	877	149	147	1792	877
1978	1892	907	597	907	154	152	1852	907
1979	1952	937	612	937	159	157	1912	937
1980	2012	967	627	967	164	162	1972	967
1981	2072	997	642	997	169	167	2032	997
1982	2132	1027	657	1027	174	172	2092	1027
1983	2192	1057	672	1057	179	177	2152	1057
1984	2252	1087	687	1087	184	182	2212	1087
1985	2312	1117	702	1117	189	187	2272	1117
1986	2372	1147	717	1147	194	192	2332	1147
1987	2432	1177	732	1177	199	197	2392	1177
1988	2492	1207	747	1207	204	202	2452	1207
1989	2552	1237	762	1237	209	207	2512	1237
1990	2612	1267	777	1267	214	212	2572	1267
1991	2672	1297	792	1297	219	217	2632	1297
1992	2732	1327	807	1327	224	222	2692	1327
1993	2792	1357	822	1357	229	227	2752	1357
1994	2852	1387	837	1387	234	232	2812	1387
1995	2912	1417	852	1417	239	237	2872	1417
1996	2972	1447	867	1447	244	242	2932	1447
1997	3032	1477	882	1477	249	247	2992	1477
1998	3092	1507	897	1507	254	252	3052	1507
1999	3152	1537	912	1537	259	257	3112	1537
2000	3212	1567	927	1567	264	262	3172	1567
2001	3272	1597	942	1597	269	267	3232	1597
2002	3332	1627	957	1627	274	272	3292	1627
2003	3392	1657	972	1657	279	277	3352	1657
2004	3452	1687	987	1687	284	282	3412	1687
2005	3512	1717	1002	1717	289	287	3472	1717
2006	3572	1747	1017	1747	294	292	3532	1747
2007	3632	1777	1032	1777	299	297	3592	1777
2008	3692	1807	1047	1807	304	302	3652	1807
2009	3752	1837	1062	1837	309	307	3712	1837
2010	3812	1867	1077	1867	314	312	3772	1867
2011	3872	1897	1092	1897	319	317	3832	1897
2012	3932	1927	1107	1927	324	322	3892	1927
2013	3992	1957	1122	1957	329	327	3952	1957
2014	4052	1987	1137	1987	334	332	4012	1987
2015	4112	2017	1152	2017	339	337	4072	2017
2016	4172	2047	1167	2047	344	342	4132	2047
2017	4232	2077	1182	2077	349	347	4192	2077
2018	4292	2107	1197	2107	354	352	4252	2107
2019	4352	2137	1212	2137	359	357	4312	2137
2020	4412	2167	1227	2167	364	362	4372	2167
2021	4472	2197	1242	2197	369	367	4432	2197
2022	4532	2227	1257	2227	374	372	4492	2227
2023	4592	2257	1272	2257	379	377	4552	2257
2024	4652	2287	1287	2287	384	382	4612	2287
2025	4712	2317	1302	2317	389	387	4672	2317
2026	4772	2347	1317	2347	394	392	4732	2347
2027	4832	2377	1332	2377	399	397	4792	2377
2028	4892	2407	1347	2407	404	402	4852	2407
2029	4952	2437	1362	2437	409	407	4912	2437
2030	5012	2467	1377	2467	414	412	4972	2467
2031	5072	2497	1392	2497	419	417	5032	2497
2032	5132	2527	1407	2527	424	422	5092	2527
2033	5192	2557	1422	2557	429	427	5152	2557
2034	5252	2587	1437	2587	434	432	5212	2587
2035	5312	2617	1452	2617	439	437	5272	2617
2036	5372	2647	1467	2647	444	442	5332	2647
2037	5432	2677	1482	2677	449	447	5392	2677
2038	5492	2707	1497	2707	454	452	5452	2707
2039	5552	2737	1512	2737	459	457	5512	2737
2040	5612	2767	1527	2767	464	462	5572	2767
2041	5672	2797	1542	2797	469	467	5632	2797
2042	5732	2827	1557	2827	474	472	5692	2827
2043	5792	2857	1572	2857	479	477	5752	2857
2044	5852	2887	1587	2887	484	482	5812	2887
2045	5912	2917	1602	2917	489	487	5872	2917
2046	5972	2947	1617	2947	494	492	5932	2947
2047	6032	2977	1632	2977	499	497	5992	2977
2048	6092	3007	1647	3007	504	502	6052	3007
2049	6152	3037	1662	3037	509	507	6112	3037
2050	6212	3067	1677	3067	514	512	6172	3067

Incidence rate of new cases per 1,000 population
 0.5 (0.5) 0.5 (0.5)
 0.5 (0.5) 0.5 (0.5)

Incidence according to sex

Year	Total		Male		Female	
	Total	Non-Tubercular	Total	Non-Tubercular	Total	Non-Tubercular
1950	232	106	115	53	117	53
1951	271	117	135	65	136	52
1952	332	127	165	77	167	50
1953	392	137	195	89	202	48
1954	452	147	225	101	227	46
1955	512	157	255	113	254	44
1956	572	167	285	125	286	42
1957	632	177	315	137	317	40
1958	692	187	345	149	346	38
1959	752	197	375	161	376	36
1960	812	207	405	173	406	34
1961	872	217	435	185	436	32
1962	932	227	465	197	466	30
1963	992	237	495	209	496	28
1964	1052	247	525	221	526	26
1965	1112	257	555	233	556	24
1966	1172	267	585	245	586	22
1967	1232	277	615	257	616	20
1968	1292	287	645	269	646	18
1969	1352	297	675	281	676	16
1970	1412	307	705	293	706	14
1971	1472	317	735	305	736	12
1972	1532	327	765	317	766	10
1973	1592	337	795	329	796	8
1974	1652	347	825	341	826	6
1975	1712	357	855	353	856	4
1976	1772	367	885	365	886	2
1977	1832	377	915	377	916	0
1978	1892	387	945	389	946	0
1979	1952	397	975	401	976	0
1980	2012	407	1005	413	1006	0
1981	2072	417	1035	425	1036	0
1982	2132	427	1065	437	1066	0
1983	2192	437	1095	449	1096	0
1984	2252					

SANITARY CIRCUMSTANCES AND INSPECTIONS

WATER

Extension of mains and connexions carried out in 1967

<u>Parish</u>	<u>Mains laid yards)</u>	<u>No. of connexions made</u>
Blackmore	1,562	54
Bobbingworth	-	2
Doddinghurst	157	81
Epping Upland	-	1
High Laver	-	2
Kelvedon Hatch	1,969	31
Lambourne	190	-
Little Laver	-	1
Matching	-	25
Navestock	-	3
Nazeing	18	29
North Weald	18	56
Ongar	225	11
Roydon	1,266	7
Sheering	79	-
Stanford Rivers	188	-
Stapleford Abbotts	-	2
Stapleford Tawney	1,364	1
Stondon Massey	670	20
Theydon Bois	129	3
Theydon Mount	1,623	1
Theydon Garnon	1,278	2
	<hr/>	<hr/>
	10,736	332

Number of Dwelling-houses and Number of Population
Supplied from Public Water Mains

(Figures are approximate)

<u>Parish</u>	<u>Direct to house</u>	<u>Popula- tion served</u>	<u>By Stand- pipe</u>	<u>Popula- tion served</u>
Abbess, Berners and Beauchamp Roding	174	324	-	-
Blackmore	847	2603	2	5
Bobbingworth	138	340	2	5
Doddinghurst	1082	3434	4	12
Epping Upland	242	666	1	3
Fyfield	203	559	-	-
High Laver	123	307	2	6
High Ongar	363	1003	1	3
Kelvedon	214	691	2	5
Lambourne	638	1965	4	11
Little Laver	28	63	-	-
Magdalen Laver	90	256	1	3
Matching	293	815	1	3
Moreton	132	389	-	-
Navestock	146	537	6	16
Nazeing	1411	4463	1	3
North Weald	1404	4435	-	-
Norton Mandeville	44	69	-	-
Ongar	1823	5809	1	2
Roydon	861	2895	10	29
Sheering	608	1960	1	3
Stanford Rivers	256	763	-	-
Stapleford Abbotts	297	943	17	49
Stapleford Tawney	40	80	-	-
Stondon Massey	187	557	1	2
Theydon Bois	1377	4405	-	-
Theydon Mount	52	120	-	-
Theydon Garnon	51	102	-	-
Willingale	166	495	2	5
Total	13,290	41,048	59	165

HOUSING

General

Number of houses as on 31.12.67	13,902
" " " completed by local authority in 1967	51
" " " completed by private enterprise in 1967	200
Number of housing inspections and re-inspections	669
" " intimation notices served	50
" " statutory notices served	2
" " housing defects remedied	57

Housing Act, 1957

Houses demolished	34
Undertakings not to use for human habitation	6
Closing orders made	32
Houses in clearance areas confirmed during the year	-
Demolition orders made	2
Undertakings cancelled and demolition orders revoked	12

Housing (Financial Provisions) Act, 1958

House Purchase and Housing Act, 1959

Improvement Grants

Applications approved - discretionary grants	2
" " - standard grants	57

Rent Act, 1957

No action taken under the provisions of this Act

CARAVANS AND CAMPING -

Caravan Sites and Control of Development Act, 1960

	<u>Residential</u>	<u>Holiday</u>
Number of site licences operating as at 31.12.67		
(a) Individual	30	-
(b) Multiple (more than 3)	4	4
Total number of caravans	158	234

Tented camping sites

Number of licensed sites	4
Number of tent pitches	70
Number of sites having satisfactory	
(a) Water supply	4
(b) Sanitary accommodation	4
(c) Washing facilities	4
(d) Refuse facilities	4

FOOD

Type and number of food shops and other food premises in the district

Grocers, provisions and general stores	106
Restaurants and cafés	24
Bakers and confectioners	7
Greengrocers	14
Fishmongers	4
Butchers	20
Dairies	3
Licensed premises	81
	<hr/>
	259

Premises registered under Section 16 of the Food and Drugs Act, 1955, and number of inspections carried out

	<u>No. of premises registered</u>	<u>No. of inspections</u>
Storage and sale of ice-cream	180	158
Preparation or manufacture of sausages or potted, pressed, pickled or preserved food	21	36

Sampling of ice-cream, ice lolly and cooked meat products

		<u>Result</u>	
Ice-cream	19	Grade I	19 samples
Ice lolly	5	Satisfactory	5 "
Cooked meats	25	Satisfactory	25 "

Milk Supply

Number of dairies registered.....	3
Number of inspections carried out.....	4

Foodstuffs condemned as unfit for human
consumption

	<u>Lbs.</u>	<u>Ozs.</u>
Canned vegetables.....	10	0
Canned fruit.....	43	6
Canned meat.....	68	14
Miscellaneous frozen food.....	480	0
	—	—
Total:.....	<u>602</u>	<u>4</u>

Slaughtering and meat inspection

	<u>Cattle</u> <u>Excluding</u> <u>Cows</u>	<u>Cows</u>	<u>Calves</u>	<u>Sheep</u> <u>and</u> <u>Lambs</u>	<u>Pigs</u>
Number killed.....	451	-	2	482	150
Number inspected.....	451	-	2	482	150
<u>All diseases except</u> <u>tuberculosis and</u> <u>cysticercosis</u>					
Whole carcasses condemned.....	-	-	-	-	-
Carcasses of which some part or organ was condemned.....	166	-	-	3	11
Percentage of carcasses affected with disease.....	36.8	-	-	0.6	7.3
<u>Tuberculosis only</u>					
Whole carcasses condemned.....	-	-	-	-	-
Carcasses of which some part or organ was condemned.....	-	-	-	-	-
Percentage of carcasses affected with tuberculosis.....	-	-	-	-	-
<u>Cysticercosis</u>					
Carcasses of which some part or organ was condemned.....	1	-	-	-	-

Total weight of meat condemned: 18 cwt. 3 qtrs. 4 lbs.

RODENT CONTROL (PREVENTION OF DAMAGE BY PESTS ACT, 1949)

	<u>Non-Agricultural Property</u>
Number of properties in district.....	15,024
Number of properties inspected following notification.....	685
Number infested by (a) rats.....	638
(b) mice.....	47
Number of properties treated.....	685

PETROLEUM ACTS AND ORDERS

Number of operative licences.....	165
Number of visits in connexion with petroleum installations.....	218

FACTORIES

Factories Act, 1961

(a) Inspections

	<u>No. on register</u>	<u>Inspections</u>	<u>Written notices</u>	<u>Occupiers prosecuted</u>
(i) Factories in which Sections 1,2,3,4 & 6 are to be enforced by local authorities.....	4	4	-	-
(ii) Factories not included in (i) in which Section 7 is enforced by the local authority.....	102	123	-	-
(iii) Other premises in which Section 7 is enforced by the local authority (excluding outworkers' premises)....	5	6	-	-
	<u>111</u>	<u>133</u>	<u>-</u>	<u>-</u>

(b) Outworkers

Thirty-one outworkers were on the register at the end of the year and were engaged on work connected with wearing apparel.

ATMOSPHERIC POLLUTION

Details of average monthly concentrations of smoke and sulphur dioxide at Kelvedon Hatch, in microgrammes per cubic metre. Figures in brackets refer to preceding twelve months.

<u>Month</u>	<u>Smoke</u>		<u>Sulphur dioxide</u>	
April 1966.....	17	(21)	51	(54)
May.....	11	(14)	49	(51)
June.....	10	(9)	44	(41)
July.....	7	(8)	41	(40)
August.....	11	(11)	48	(49)
September.....	17	(24)	47	(62)
October.....	20	(31)	55	(58)
November.....	38	(36)	121	(65)
December.....	37	(49)	96	(106)
January 1967.....	37	(51)	93	(85)
February.....	34	(27)	84	(67)
March.....	14	(29)	63	(79)
Mean average for year	21	(25)	66	(63)

OFFICES, SHOPS AND RAILWAY PREMISES ACT, 1963

Registrations and General Inspections

<u>Class of premises</u>	<u>No. of premises registered during the year</u>	<u>No. of registered premises at end of year</u>	<u>No. of premises receiving a general inspection</u>
Offices.....	1	62	10
Retail shops.....	6	128	108
Wholesale shops, warehouses.....	-	-	-
Catering establishments.....	1	34	85
Fuel storage depots.....	-	-	-
	—	—	—
Total.....	<u>7</u>	<u>224</u>	<u>203</u>

Analysis of persons employed in registered premises by workplace

<u>Class of workplace</u>	<u>No. of persons employed</u>
Offices.....	254
Retail shops.....	377
Wholesale departments, warehouses.....	30
Catering establishments.....	123
Canteens.....	5
Fuel storage depots.....	4
	—
Total.....	<u>793</u>
Total males.....	307
Total females.....	486

SUMMARY OF INSPECTIONS

Public Health Act, 1936

Water supplies	15
Sewerage and drainage	378
Piggeries	128
Offensive trades	112
Nuisances	295
Re-inspections to secure abatement of nuisances	230
Enquiries in cases of infectious disease	204

Food and Drugs Act, 1955

Slaughterhouses	290
Bakehouses	16
Fish shops	32
Ice-cream premises	158
Dairies	3
Butchers' shops	118
Grocers and general provisions	281
Restaurants and cafés	67
Canteens (including school canteens)	39
Licensed premises	49
Hawkers of food	51

SUMMARY OF INSPECTIONS (Continued)

Housing

Number of inspections under the Public Health Act, 1936.....	101
Number of re-inspections under the Public Health Act, 1936.....	81
Number of inspections under the Housing Act, 1957.....	240
Number of re-inspections under the Housing Act, 1957.....	92
Number of visits in connexion with improvement grants.....	155
Number of visits under the Caravan Sites and Control of Development Act, 1960.....	103

Miscellaneous

Atmospheric pollution.....	168
Factories.....	133
Noise Abatement Act, 1960.....	97
Swimming pools.....	19
Diseases of Animals (Waste Foods) Order, 1957.....	120
Animal Boarding Establishment Act, 1963.....	13
Offices, Shops and Railway Premises Act, 1963.....	293
Insect control.....	77
Unclassified.....	65

