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Hollingbourn Rural District Council

Annual Report for the Year 1969

ON

THE HEALTH OF THE
HOLLINGBOURN RURAL DISTRICT

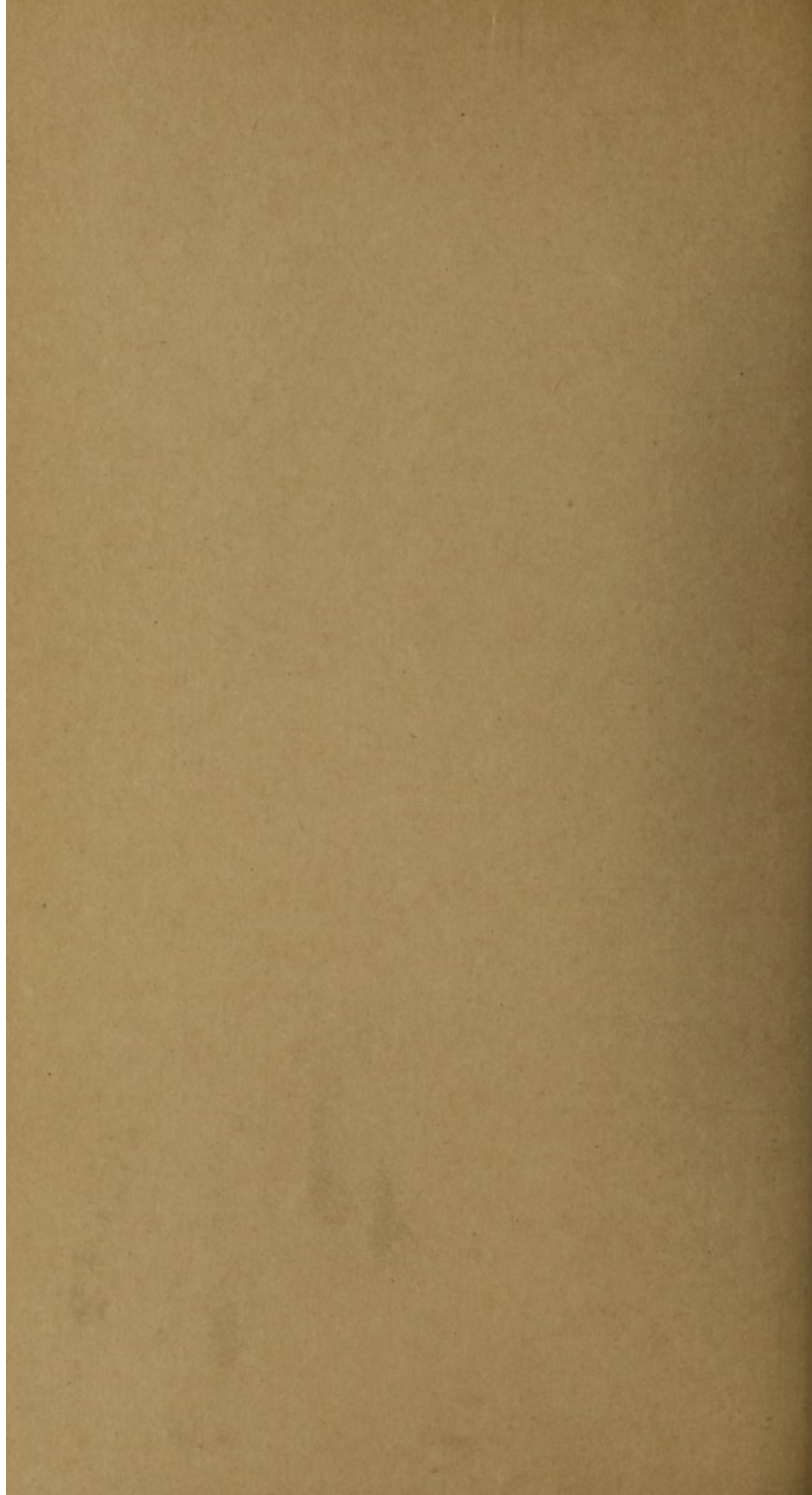
OF THE

MEDICAL OFFICER OF HEALTH

Dr. F. H. M. DUMMER,

M.B., Ch.B., D.P.H.





HOLLINGBOURN RURAL DISTRICT COUNCIL

PUBLIC HEALTH COMMITTEE MEMBERS

Mr. J. K. W. Alexander (Chairman)
Mr. L. H. Woodcock (Vice Chairman)

Mr. L. M. Apps	Mrs. A. G. R. Nissen
Cmdr. J. Bostock	Lt./Cmdr. J. J. Owen
Major H. A. Boxall	Mr. W. Pring
Mr. M. Coppin	Rear-Admiral P. S. Smith
Mr. M. H. Couchman	Mr. D. Taylor
Mr. I. A. Grant	Mr. K. A. Twyman
Mr. A. W. Hooker	Mr. R. W. Woods
Mrs. K. S. Mitchell	

PUBLIC HEALTH OFFICERS

OF THE

HOLLINGBOURN RURAL DISTRICT

Medical Officer of Health	Dr. F. H. M. Dummer, M.B., Ch.B., D.P.H.
Deputy Medical Officer of Health	Dr. J. T. Cecil, M.B., B.S., D.P.H.
Chief Public Health Inspector	Geoffrey H. Chambers, M.A.P.H.I., M.R.S.H.
1st Additional Public Health Inspector	Stanley B. Brook, M.A.P.H.I.
2nd Additional Public Health Inspector	Richard C. Comport M.A.P.H.I., M.R.S.H.
Clerk to the Public Health Department	Miss P. Cheesman
Secretary to the Medical Officer of Health	Miss H. Wood

Central Health Department,
13, Tonbridge Road,
MAIDSTONE.

Public Health Department,
73, College Road,
MAIDSTONE.

Telephone: Maidstone 54072

Telephone: Maidstone 54238

Mr. Chairman, Ladies and Gentlemen,

I have the honour to present my thirteenth Annual Report on the health of the Rural District of Hollingbourn.

Since I have known it, and for a considerable period before that, yours has been a healthy District. The Report for 1969 shews that this favourable state has been maintained. You have a very low death rate, a remarkably low infantile mortality rate, and the fact that there were no new cases of tuberculosis notified in the year constitutes a record which other districts would find it hard to equal.

The number of cases of notifiable disease was low at 92, the majority being accounted for by measles. The measles notifications were kept low by the introduction of the immunisation scheme. I am glad to be able to report that no disease of any major significance was encountered during the year.

You will note from the table on immunisation and vaccination that few infants born in 1969 had completed a course of triple antigen and poliomyelitis vaccine. This was due to the introduction of a new timetable in the scheme of protection and the fact that record cards were outstanding at the end of the year under review. In future years this time lapse will be made up. Once again I would stress the utter necessity for parents to ensure that children are given the protection of the triple antigen and vaccination against poliomyelitis. It is only by ensuring that the full advantage is taken of those measures that we can ward off the onslaught of the major killing infectious diseases.

Between them, cancer and heart diseases accounted for approximately 55 per cent of all deaths. Of the cancer deaths, 27 per cent were related to cancer of the lung. Here there is a direct relationship between the disease and heavy cigarette smoking, but the lesson seems to be lost on so many people.

Once again I am very glad to be able to report that no death resulted from childbirth or abortion.

In the pages which follow, Mr. Chambers has dealt with the aspects of environmental health which come into your purview as a sanitary district. The field is a wide one and you will note that again the large number of inspections topped 3,000 - an indication of the amount of work done annually in this field.

The small number of houses dealt with by way of representation was very disappointing but it should be remembered that this is directly related to the building of new houses. It would be quite wrong to have people waiting for rehousing in accommodation which has, for any considerable period, been condemned. I have already spoken at the Public Health Committee on this subject of waiting for rehousing in condemned property and Members are aware of my views. It may be that in the field of improvement a brighter future is ahead for houses falling into decay. In the next few years, the amount of public funds spent on this kind of rehabilitation will increase sharply.

Public Health Department,
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MALDEN.

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Public Health Department,
11, College Road,
MALDEN.

Telephone: Malden 54075

Mr. Chairman, Ladies and Gentlemen,

I have the honour to present my thirteenth Annual Report on the
Health of the Rural District of Malden.

Since I have known it, and for a considerable period before that,
there has been a healthy district. The Report for 1909 shows that this
notorious state has been maintained. You have a very low death rate,
a remarkably low infantile mortality rate, and the fact that there were
no new cases of tuberculosis notified in the year constitutes a record
which other districts would find it hard to equal.

The number of cases of notifiable diseases was low at 25, the majority
being accounted for by measles. The measles notifications were kept low
by the introduction of the vaccination scheme. I am glad to be able to
report that no disease of any major significance was encountered during
the year.

You will note from the table on vaccination and vaccination that
the infants born in 1909 had completed a course of triple antigen and
polio-vaccine. This was due to the introduction of a new time-
table in the scheme of protection and the fact that recent years were
characterised at the end of 1909 under review. In future years this
time lapse will be made up. Once again I would stress the other reasons
very for parents to ensure that children are given the protection of the
triple antigen and vaccination against poliomyelitis. It is only by
ensuring that the full advantage is taken of those measures that we can
ward off the onslaught of the major killing infectious diseases.

Between 1908, cancer and heart diseases accounted for approximately
87 per cent of all deaths. Of the cancer deaths, 87 per cent were re-
lated to cancer of the lung. There is a direct relationship
between the disease and heavy cigarette smoking, but the answer seems to
be lost on so many people.

Once again I am very glad to be able to report that no deaths
occurred from diphtheria or scarlet fever.

In the pages which follow, Mr. Stephens has dealt with the aspects
of environmental health which come into your purview as a sanitary district.
The field is a wide one and you will note that again the large number of
inspections topped 5,000 - an indication of the amount of work done
usually in this field.

The small number of houses dealt with by way of re-decoration was
very disappointing but it should be remembered that this is directly re-
lated to the holding of new houses. It might be said that we have
people waiting for re-decoration in houses which are for any number of
years period, been condemned. I have already spoken at the Public Health
Committee on this subject of waiting for re-decoration in condemned property.
The members are aware of my views. It may be that in the field of re-decoration
and a brighter future is ahead for houses falling into decay. In the
past few years the amount of public health work done on this kind of re-decoration
has been very disappointing.

CORRECTION TO PAGE 15 OF THE ANNUAL REPORT FOR THE YEAR 1969 ON
THE HEALTH OF THE HOLLINGBOURN RURAL DISTRICT
OF THE MEDICAL OFFICER OF HEALTH
DR. F. H. M. DUMMER, M.B., CH.B., D.P.H.

HOUSE PURCHASE AND HOUSING ACT, 1959 - IMPROVEMENT GRANTS
HOUSING ACT, 1969

1. Discretionary Grants

Number of applications received	..	..	..	34	(23)			
Number of applications approved	..	..	..	28	(26)			
Number of applications actually proceeded with	..	..	..	34	(15)			
Of those 34 the following figures apply:-								
Total Cost of Improvement Work	..	..	..	..	..	£34,249	1s.	5d
Total Cost of Grants paid	..	..	..	..	..	£11,065	10s.	0d

2. Standard Grants

Number of applications received	..	..	..	24	(24)			
Number of applications approved	..	..	..	23	(25)			
Number of applications actually proceeded with	..	..	..	24	(23)			
Of those 24 the Maximum Grant approved was						£3,526	15s.	6d
Total amount of Grants paid	..	..	..	..	..	£4,150	12s.	0d

All animals slaughtered for human consumption in 1969 were inspected. No whole carcasses were condemned on the sole diagnosis of tuberculosis, which in any case only amounted to 0.59 per cent of the total examined.

Visits to poultry processing premises have become a regular feature of public health work and every effort is made to ensure that a high standard of hygiene is maintained. In 1967, 448,000 birds were processed in your District; today the figure amounts to 840,000.

I would like to point out, as a feature of the continued improvement of standards in your District, that by the end of 1969 only six dwellings were without a public mains supply.

Again my thanks are due to the Inspectorate, led by Mr. Chambers, for their work and co-operation throughout the year. As a small department in a relatively small authority we need co-operation with the other officers and I am pleased to say that we have always obtained that help from the Clerk, the Surveyor, the Treasurer and the Housing Manager. Ultimately the Members make the decisions and I must express my thanks for the support given to me by the Chairman and Members of the Public Health Committee, and indeed all Councillors.

I have the honour to be,
Mr. Chairman, Ladies and Gentlemen,
Your obedient Servant,

F. H. M. DUMMER

Medical Officer of Health.

9th June, 1970

All outside assignments for human measurements in 1949 were completed. No other assignments were assigned on the basis of assignments of subjects, which in any case were only completed to 0.25 per cent of the total examined.

Visits to public health premises have become a regular feature of public health work and every effort is made to ensure that a high standard of hygiene is maintained. In 1947, 448,000 birds were inspected in your district; the figure amounts to 240,000.

I would like to point out, as a feature of the continued improvement of standards in your district, that by the end of 1949 only six dwellings were without a public water supply.

Again my thanks are due to the Inspector, led by Mr. Chambers, for their work and co-operation throughout the year. As a result of your help in a variety of ways, including the provision of information and the help of officers and I am pleased to say that we have made considerable progress from the District Survey, the Treasurer and the Housing Manager. Ultimately the Minister made the decision and I will express my thanks for the support given to me by the Chairman and Members of the Public Health Committee, and indeed all concerned.

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STATISTICS AND SOCIAL CONDITIONS OF THE AREA

Area (in acres)	56,796
Estimated resident population 1969	19,890
Number of inhabited houses, end of 1969 (according to rate books)	..	..	..	..	..	..	..	..	6,487
Rateable Value, December, 1969	..	..	..	..	..	..	..	..	778,515
Sum represented by a penny rate	..	..	..	..	..	..	..	..	£3,194

EXTRACT FROM VITAL STATISTICS

	<u>Male</u>	<u>Female</u>	<u>Total</u>
Live Births	167	157	324
Rate per 1,000 population - crude -	..	..	16.3
corrected -	..	..	17.9
Illegitimate live births per cent of total live births	..	..	7.40

	<u>Male</u>	<u>Female</u>	<u>Total</u>
Stillbirths	4	-	4
Total live and stillbirths	171	157	328
Stillbirth rate per 1,000 live and stillbirths	..	..	12.34

	<u>Male</u>	<u>Female</u>	<u>Total</u>
Infant deaths	3	-	3
Total infant deaths per 1,000 total live births	9.25
Legitimate infant deaths per 1,000 legitimate live births	3.08
Illegitimate infant deaths per 1,000 illegitimate live births	83.33
Neo-natal Mortality Rate (deaths under 4 weeks per 1,000 total live births)	9.25
Early neo-natal Mortality Rate (deaths under 1 week per 1,000 total live births)	9.25
Perinatal mortality rate (stillbirths and deaths under 1 week combined per 1,000 total live and stillbirths)	21.34
Maternal Mortality (including abortion)	-
Maternal Mortality Rate per 1,000 live and stillbirths	-

	<u>Male</u>	<u>Female</u>	<u>Total</u>
Deaths	117	94	211
Death rate per 1,000 population - crude -	..	..	10.6
corrected -	..	..	10.1

PREVALENCE OF, AND CONTROL OVER, INFECTIOUS DISEASES

DISEASE	TOTAL CASES NOTIFIED	TOTAL DEATHS
Measles	75	-
Dysentery	2	-
Scarlet fever	4	-
Whooping cough	1	-
Infective Jaundice	7	-
Diphtheria	-	-
Tetanus	-	-
Acute Meningitis	-	-
Acute Encephalitis -		
Infective	-	-
Post infectious	-	-
Ophthalmia neonatorum	-	-
Acute poliomyelitis	-	-
Leptospirosis	-	-
Paratyphoid fever	-	-
Typhoid fever	-	-
Food poisoning	3	-
Malaria	-	-
TOTALS	92	-

The unusually high incidence of whooping cough referred to in last year's Report has not been maintained in 1969. There were no untoward aspects of infectious disease in the year and again we were free of the main "infectious killers", i.e. smallpox, diphtheria and poliomyelitis.

INFECTIOUS AND OTHER NOTIFIABLE DISEASES

Analysis in Age Groups

DISEASE	Under 1	1	2	3	4	5-9	10-14	15-24	25-45	45 & over	TOTAL
Measles	2	8	8	13	8	36	-	-	-	-	75
Dysentery	-	-	-	-	1	-	-	-	1	-	2
Scarlet fever	1	-	-	-	2	1	-	-	-	-	4
Whooping cough	-	-	-	1	-	-	-	-	-	-	1
Infective jaundice	-	-	-	-	-	1	1	2	1	2	7
Diphtheria	-	-	-	-	-	-	-	-	-	-	-
Tetanus	-	-	-	-	-	-	-	-	-	-	-
Acute Meningitis	-	-	-	-	-	-	-	-	-	-	-
Acute Encephalitis - Infective	-	-	-	-	-	-	-	-	-	-	-
post Infectious	-	-	-	-	-	-	-	-	-	-	-
Ophthalmia neonatorum	-	-	-	-	-	-	-	-	-	-	-
Acute Poliomyelitis	-	-	-	-	-	-	-	-	-	-	-
Leptospirosis	-	-	-	-	-	-	-	-	-	-	-
paratyphoid fever	-	-	-	-	-	-	-	-	-	-	-
Typhoid fever	-	-	-	-	-	-	-	-	-	-	-
Food poisoning	-	-	-	-	-	-	-	-	1	2	3
Malaria	-	-	-	-	-	-	-	-	-	-	-
TOTALS	3	8	8	14	11	38	1	2	3	4	92

INSTRUCTIONS FOR THE STUDENT

Analysis of the Group

ANALYSIS	INSTRUCTIONS	DATE	NAME
1. <u>General</u>	1. <u>General</u>	1. <u>General</u>	1. <u>General</u>
2. <u>Specific</u>	2. <u>Specific</u>	2. <u>Specific</u>	2. <u>Specific</u>
3. <u>Analysis</u>	3. <u>Analysis</u>	3. <u>Analysis</u>	3. <u>Analysis</u>
4. <u>Conclusion</u>	4. <u>Conclusion</u>	4. <u>Conclusion</u>	4. <u>Conclusion</u>
5. <u>Summary</u>	5. <u>Summary</u>	5. <u>Summary</u>	5. <u>Summary</u>
6. <u>References</u>	6. <u>References</u>	6. <u>References</u>	6. <u>References</u>
7. <u>Appendix</u>	7. <u>Appendix</u>	7. <u>Appendix</u>	7. <u>Appendix</u>
8. <u>Index</u>	8. <u>Index</u>	8. <u>Index</u>	8. <u>Index</u>
9. <u>Notes</u>	9. <u>Notes</u>	9. <u>Notes</u>	9. <u>Notes</u>
10. <u>Other</u>	10. <u>Other</u>	10. <u>Other</u>	10. <u>Other</u>

INFECTIOUS AND OTHER NOTIFIABLE DISEASES (Continued)

Monthly Distribution

DISEASE	January	February	March	April	May	June	July	August	September	October	November	December	TOTALS
Measles	23	5	-	6	2	-	23	14	3	-	-	1	75
Dysentery	-	-	-	-	-	1	-	1	-	-	-	-	2
Scarlet fever	-	-	-	-	-	-	3	-	-	-	1	-	4
Whooping cough	1	1	-	-	-	-	-	-	1	-	-	-	1
Infective jaundice	1	-	-	-	-	-	2	-	-	-	-	2	7
Diphtheria	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetanus	-	-	-	-	-	-	-	-	-	-	-	-	-
Acute Meningitis	-	-	-	-	-	-	-	-	-	-	-	-	-
Acute Encephalitis -	-	-	-	-	-	-	-	-	-	-	-	-	-
Infective	-	-	-	-	-	-	-	-	-	-	-	-	-
Post infectious	-	-	-	-	-	-	-	-	-	-	-	-	-
Ophthalmia neonatorum	-	-	-	-	-	-	-	-	-	-	-	-	-
Acute Poliomyelitis	-	-	-	-	-	-	-	-	-	-	-	-	-
Leptospirosis	-	-	-	-	-	-	-	-	-	-	-	-	-
Paratyphoid fever	-	-	-	-	-	-	-	-	-	-	-	-	-
Typhoid fever	-	-	-	-	-	-	-	-	-	-	-	-	-
Food Poisoning	-	-	-	-	-	5	-	-	-	-	-	-	5
Malaria	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTALS	25	4	-	6	2	4	28	15	4	-	1	3	92

DATE	TIME	PLACE	ACTIVITY	REMARKS
1	8:00	Home	Woke up	
2	8:00	Home	Woke up	
3	8:00	Home	Woke up	
4	8:00	Home	Woke up	
5	8:00	Home	Woke up	
6	8:00	Home	Woke up	
7	8:00	Home	Woke up	
8	8:00	Home	Woke up	
9	8:00	Home	Woke up	
10	8:00	Home	Woke up	
11	8:00	Home	Woke up	
12	8:00	Home	Woke up	
13	8:00	Home	Woke up	
14	8:00	Home	Woke up	
15	8:00	Home	Woke up	
16	8:00	Home	Woke up	
17	8:00	Home	Woke up	
18	8:00	Home	Woke up	
19	8:00	Home	Woke up	
20	8:00	Home	Woke up	
21	8:00	Home	Woke up	
22	8:00	Home	Woke up	
23	8:00	Home	Woke up	
24	8:00	Home	Woke up	
25	8:00	Home	Woke up	
26	8:00	Home	Woke up	
27	8:00	Home	Woke up	
28	8:00	Home	Woke up	
29	8:00	Home	Woke up	
30	8:00	Home	Woke up	
31	8:00	Home	Woke up	

IMMUNISATION AND VACCINATION, 1969

The following table shows the figures for 1969 based on the return sent to the Department of Health and Social Security by the County Medical Officer

Year of Birth	Primary						Reinforcing					
	Triple Antigen	Diphtheria Tetanus	Smallpox	Tetanus	Measles	Polio-myelitis	Triple Antigen	Diphtheria Tetanus	Smallpox	Tetanus	Measles	Polio-myelitis
1969	4				0	4						
1968	108	5	164		19	168	9	15				
1967	7			1	49	15	72	34		1		
1966	5				44	7	23	17				
1965		1			28		2	20		1		19
1962-1963				1	9		7	38		8		44
1964					15		18	144		3		125
1953-1961		3		61	3		4	15	15	64		25
TOTALS	124	9	164	63	167	194	135	283	15	77		213

TUBERCULOSIS

I am indebted to Dr. D. L. Pugh, the Consultant Chest Physician, for the following details of the numbers of contacts of known cases of tuberculosis examined during the year, and the number found to be suffering from tuberculosis. These figures relate to the area of the Chest Clinic, which coincides with the area of the four authorities, Maidstone Borough, Maidstone Rural District, Hollingbourn Rural District, and Malling Rural District.

- (a) Number of contacts seen during 1969 of newly notified cases of tuberculosis .. 281
- (b) Number of contacts seen during 1969 of cases notified prior to 1969 405
- (c) Number of contacts in (a) found to be suffering from pulmonary or non-pulmonary tuberculosis 2
- (d) Number of contacts in (b) found to be suffering from pulmonary or non-pulmonary tuberculosis 2

AGE GROUPS	NEW CASES				DEATHS			
	Pulmonary		Non-pulmonary		Pulmonary		Non-pulmonary	
	M	F	M	F	M	F	M	F
0 - 1	-	-	-	-	-	-	-	-
2 - 4	-	-	-	-	-	-	-	-
5 - 14	-	-	-	-	-	-	-	-
15 - 24	-	-	-	-	-	-	-	-
25 - 34	-	-	-	-	-	-	-	-
35 - 44	-	-	-	-	-	1	-	-
45 - 54	-	-	-	-	-	-	-	-
55 - 64	-	-	-	-	-	-	-	-
65 - 74	-	-	-	-	-	-	-	-
75 and over	-	-	-	-	-	-	-	-
TOTALS	-	-	-	-	-	1	-	-

For the first time in the history of your district, no new cases of tuberculosis were reported in the year under review, and as you see from the Table above, only one death occurred from this disease. These remarkable facts would be almost unthought of a decade ago, and indicate the extent to which the factors of nutrition, better housing and therapeutics have played a part in this end result.

APPENDIX

I am indebted to Mr. J. J. Pugh, the Consultant, Health Department, for the following details of the number of contacts of known cases of tuberculosis examined during the year, and the number found to be suffering from tuberculosis. These figures relate to the area of the Great Oxnard, which coincides with the area of the four authorities, Molesey Borough, Molesey Rural District, Molesey Urban District, and Molesey Rural District.

(a) Number of contacts seen during 1955 of newly notified cases of tuberculosis	181
(b) Number of contacts seen during 1955 of cases notified prior to 1955	405
(c) Number of contacts in (a) found to be suffering from pulmonary or non-pulmonary tuberculosis	2
(d) Number of contacts in (b) found to be suffering from pulmonary or non-pulmonary tuberculosis	2

AGE GROUPS	NEW CASES		CONTACTS	
	Pulmonary	Non-pulmonary	Pulmonary	Non-pulmonary
0-4	1	1	1	1
5-9	1	1	1	1
10-14	1	1	1	1
15-19	1	1	1	1
20-24	1	1	1	1
25-29	1	1	1	1
30-34	1	1	1	1
35-39	1	1	1	1
40-44	1	1	1	1
45-49	1	1	1	1
50-54	1	1	1	1
55-59	1	1	1	1
60-64	1	1	1	1
65-69	1	1	1	1
70 and over	1	1	1	1
TOTALS	18	18	18	18

For the first time in the history of your district, no new cases of tuberculosis were reported in the year under review, and as you see from the table above, only one death occurred from this disease. These remarkable facts would be almost unheard of a decade ago, and indicate the extent to which the factors of nutrition, better housing, and transportation have played a part in this and similar results.

CANCER

The number of deaths from cancer, including leukaemia, in Hollingbourn Rural District during the past ten years is given below:-

1960	40
1961	41
1962	37
1963	43
1964	48
1965	45
1966	30
1967	50
1968	33
1969	41

Deaths from cancer in 1969, distributed according to sites:-

SITE	Male	Female	Total
Oesophagus	1	-	1
Stomach	2	1	3
Intestine	2	3	5
Lung, bronchus	10	1	11
Breast	-	3	3
Uterus	-	2	2
Prostate	2	-	2
Leukaemia	2	1	3
Other sites	4	7	11
TOTALS	23	18	41

Age Groups	Male	Female
0 - 4	-	-
5 - 14	-	-
15 - 24	-	-
25 - 34	-	-
35 - 44	2	-
45 - 54	1	3
55 - 64	6	2
65 - 74	10	6
75 & over	4	7
TOTALS	23	18

The number of deaths from cancer, including leukemia, in Hollingsworth County, Missouri, during the years 1940 to 1949 is given below:

1940	1
1941	1
1942	1
1943	1
1944	1
1945	1
1946	1
1947	1
1948	1
1949	1

Deaths from cancer in 1940, distributed according to

Age Group	Sex	Number
Under 15	Male	1
15-24	Male	1
25-34	Male	1
35-44	Male	1
45-54	Male	1
55-64	Male	1
65-74	Male	1
75-84	Male	1
85 and over	Male	1
Total	Male	9

Age Group	Sex	Number
Under 15	Male	1
15-24	Male	1
25-34	Male	1
35-44	Male	1
45-54	Male	1
55-64	Male	1
65-74	Male	1
75-84	Male	1
85 and over	Male	1
Total	Male	9

INFANT MORTALITY 1969

CAUSE OF DEATH	Under 1 week	1 - 2 weeks	2 - 3 weeks	3 - 4 weeks	Total under 4 weeks	4 weeks and under 3 months	3 - 6 months	7 - 12 months	Total under 1 year
Asphyxia	2	-	-	-	2	-	-	-	2
Non-aeration of lungs	1	-	-	-	1	-	-	-	1
TOTALS	3	-	-	-	3	-	-	-	3

Last year I recorded the fact that only two infants under the age of 12 months had died in the current year. In 1969 there were three deaths, giving an infantile mortality rate of 9.25 per thousand live births, compared with a national figure of 18.

The small number involved indicates the extent of the careful supervision of the ante-natal and delivery services operating in the District.

TOTAL DEATHS, 1969

	<u>Male</u>	<u>Female</u>
1. Cholera	-	-
2. Typhoid fever	-	-
3. Bacillary dysentery and amoebiasis	-	-
4. Enteritis and other diarrhoeal diseases	-	-
5. Tuberculosis of respiratory system	-	1
6. Other tuberculosis, including late effects	-	-
7. Plague	-	-
8. Diphtheria	-	-
9. Whooping cough	-	-
10. Streptococcal sore throat and scarlet fever	-	-
11. Meningococcal infection	-	-
12. Acute poliomyelitis	-	-
13. Smallpox	-	-
14. Measles	-	-
15. Typhus and other rickettsioses	-	-
16. Malaria	-	-
17. Syphilis and its sequelae	-	-
18. All other infective and parasitic diseases	-	-
19. Malignant neoplasm, buccal cavity	-	1
20. Malignant neoplasm, oesophagus	1	-
21. Malignant neoplasm, stomach	2	1
22. Malignant neoplasm, intestine	2	3
23. Malignant neoplasm, lung, bronchus	10	1
24. Malignant neoplasm, breast	-	3
25. Malignant neoplasm, uterus	-	2
26. Malignant neoplasm, prostate	2	-
27. Leukaemia	2	1
28. Other malignant neoplasms	4	6
29. Benign and unspecified neoplasms	1	1
30. Diabetes mellitus	-	1
31. Avitaminoses and other nutritional deficiency	1	-
32. Other endocrine, nutritional and metabolic diseases	-	1
33. Anaemias	-	-
34. Other diseases of blood and blood-forming organs	-	-
35. Mental disorders	1	-
36. Meningitis	-	-
	<hr/>	<hr/>
	26	22

Page	Page	
1	1	1. Cholera
2	2	2. Typhoid fever
3	3	3. Bacillary dysentery and shigellosis
4	4	4. Paratyphoid and other shigellosis diseases
5	5	5. Tuberculosis of respiratory system
6	6	6. Other tuberculosis, including joint disease
7	7	7. Plague
8	8	8. Echinococcosis
9	9	9. Scrofula
10	10	10. Streptococcal sore throat and scarlet fever
11	11	11. Neisseria meningitidis
12	12	12. Acute poliomyelitis
13	13	13. Diphtheria
14	14	14. Tetanus
15	15	15. Typhus and other rickettsial diseases
16	16	16. Malaria
17	17	17. Syphilis and its sequelae
18	18	18. All other infectious and parasitic diseases
19	19	19. Malignant neoplasms, general category
20	20	20. Malignant neoplasms, carcinoma
21	21	21. Malignant neoplasms, sarcoma
22	22	22. Malignant neoplasms, leukemia
23	23	23. Malignant neoplasms, lymphomas
24	24	24. Malignant neoplasms, mixed
25	25	25. Malignant neoplasms, uterine
26	26	26. Malignant neoplasms, prostate
27	27	27. Leukemia
28	28	28. Other malignant neoplasms
29	29	29. Benign and unspecified neoplasms
30	30	30. Rheumatoid arthritis
31	31	31. Arteriosclerosis and other circulatory diseases
32	32	32. Other circulatory diseases
33	33	33. Diabetes mellitus
34	34	34. Other endocrine diseases
35	35	35. Mental disorders
36	36	36. Other diseases of blood and blood-forming organs
37	37	37. Injuries
38	38	38. Other diseases of blood and blood-forming organs
39	39	39. Mental disorders
40	40	40. Mental disorders
41	41	41. Mental disorders
42	42	42. Mental disorders
43	43	43. Mental disorders
44	44	44. Mental disorders
45	45	45. Mental disorders
46	46	46. Mental disorders
47	47	47. Mental disorders
48	48	48. Mental disorders
49	49	49. Mental disorders
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51	51	51. Mental disorders
52	52	52. Mental disorders
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90	90	90. Mental disorders
91	91	91. Mental disorders
92	92	92. Mental disorders
93	93	93. Mental disorders
94	94	94. Mental disorders
95	95	95. Mental disorders
96	96	96. Mental disorders
97	97	97. Mental disorders
98	98	98. Mental disorders
99	99	99. Mental disorders
100	100	100. Mental disorders

TOTAL DEATHS, 1969 (CONTINUED)

	Male	Female
	26	22
37. Other diseases of nervous system and sense organs	1	2
38. Active rheumatic fever	-	-
39. Chronic rheumatic heart disease	1	1
40. Hypertensive disease	4	1
41. Ischaemic heart disease	35	18
42. Other forms of heart disease	7	7
43. Cerebrovascular disease	14	14
44. Other diseases of the circulatory system	2	6
45. Influenza	1	1
46. Pneumonia	3	7
47. Bronchitis, emphysema	10	5
48. Asthma	1	1
49. Other diseases of the respiratory system	-	1
50. Peptic ulcer	2	1
51. Appendicitis	1	-
52. Intestinal obstruction and hernia	-	-
53. Cirrhosis of liver	-	-
54. Other diseases of the digestive system	1	1
55. Nephritis and nephrosis	-	1
56. Hyperplasia of prostate	-	-
57. Other diseases of the genito-urinary system	1	-
58. Abortion	-	-
59. Other complications of pregnancy, childbirth and puerperium	-	-
60. Diseases of the skin and subcutaneous tissue	-	-
61. Diseases of the musculo-skeletal system and connective tissue	-	-
62. Congenital anomalies	-	-
63. Birth injury, difficult labour, and other anoxic and hypoxic conditions	3	-
64. Other causes of perinatal mortality	-	-
65. Symptoms and ill defined conditions	-	2
66. Motor vehicle accidents	3	1
67. All other accidents	1	1
68. Suicide and self-inflicted injuries	-	1
69. All other external causes	-	-
	<hr/> 117	<hr/> 94

Rank	Points	
37	2	Other diseases of nervous system and sense organs
38	-	Acute rheumatic fever
39	1	Rheumatic rheumatic heart disease
40	1	Hypertensive disease
41	10	Ischemic heart disease
42	1	Other forms of heart disease
43	10	Cardiomyopathic diseases
44	0	Other diseases of the circulatory system
45	1	Influenza
46	1	Pneumonia
47	10	Bronchitis, emphysema
48	1	Asthma
49	-	Other diseases of the respiratory system
50	1	Peptic ulcer
51	1	Appendicitis
52	-	Intestinal obstruction and hernia
53	-	Cirrhosis of liver
54	1	Other diseases of the digestive system
55	1	Hepatitis and hepatitis
56	-	Hypertrophy of prostate
57	1	Other diseases of the genito-urinary system
58	-	Abortion
59	-	Other complications of pregnancy, childbirth and puerperium
60	-	Diseases of the skin and subcutaneous tissue
61	-	Diseases of the musculo-skeletal system and connective tissue
62	-	Benign neoplasms
63	1	Birth injury, difficult labor, and other obstetric and gynecologic conditions
64	-	Other causes of prenatal morbidity
65	1	Scabies and all related conditions
66	1	Scabies and related conditions
67	1	All other conditions
68	1	Scabies and related conditions
69	-	All other external causes
Total		100

INSPECTIONS

Depot Administration	876
Slaughterhouses	310
Water Sampling	45
Water Supply	3
Sewage Disposal and Sewers	526
Refuse Disposal	75
Refuse Collection	45
National Assistance Act	3
Factories - with power	6
Factories - non-power	2
Prevention of Damage by Pests Act	73
Building Regulations - Improvement Grant	144
Building Regulations - Public Health Act	6
Initial Visits - Public Health Act	111
Revisits	38
Initial Visits - Housing Act	304
Revisits	138
Infectious Disease	101
Ice Cream Premises	11
Milk Samples	2
Shops Act	39
Civic Amenities Act	76
Tents, Vans, Sheds and Hopper Camps	4
Caravan Sites and Control of Development Act	5
Diseases of Animals (Waste Foods) Order	2
Noise Abatement Act	14
Animal Boarding Establishments Act	20
Offices, Shops and Railway Premises Act	25
Food Hygiene (General) Regulations	105
Milk and Dairies (General) Regulations	10
Food and Drugs Act	74
Knackers Yard	15
Poultry Inspection	56
	<hr/>
	3,264

INFECTIOUS DISEASE

Notifications received	92
Visits made by Public Health Inspectors	101

NOTICES

Number of Informal Notices served	3
Number of Informal Notices complied with	2
Number of Statutory Notices served	-
Number of Statutory Notices complied with	-
Number of Court Proceedings to require compliance with Notice	-

HOUSING

Only five properties were dealt with by Demolition Orders during the year which confirmed the anticipated fall compared with the fifty two of 1968. The sharpness of the fall is disappointing and is due to a large extent to the considerable reduction in the number of new houses being completed during the year. An improvement for the coming year cannot be certain by any means because of the small number of houses likely to be completed. It must be repeated that there are many properties still requiring detailed visits which are likely to result in comprehensive schemes of improvement or Demolition Orders being carried out and in either case necessitating rehousing of the occupiers.

The number of houses actually demolished was ten - an increase of two over 1968 and a further thirteen properties were completely renovated and the Orders cancelled. (Ten in 1968).

<u>Total Number of Lettings</u>		<u>No. of Families Rehoused from</u> <u>Slum Clearance Properties</u>
Council Houses	29 (26)	2 (5)
Old Peoples' Dwellings	5 (38)	Nil (9)

(Previous Year in Brackets)

Housing Act, 1969

It is in the field of house improvement that results are encouraging and with the Improvement Grant Schemes amended by the 1969 Act there is reason to hope for further progress. With the maximum Discretionary Improvement Grant increased from £400 to £1,000 and corresponding increases in other grants, there have been many more enquiries dealt with and by the end of the year firm applications were similarly on the increase. Yet again it is necessary to state that more and more Public Health Inspectors' time is being given to this aspect of their work. A large problem remains but each Discretionary Grant Scheme completed means another house in the District is brought completely up to modern standards and each Standard Grant Scheme completed that another house has at least the basic amenities of sink, bath, internal W.C., wash-basin and a hot water system. None of the time spent is therefore considered to be wasted.

The actual figures for 1969 are as follows with the previous year in brackets. The new schemes did not come into being until August and have not affected these figures appreciably.

HOUSE PURCHASE AND HOUSING ACT, 1959 - IMPROVEMENT GRANTS
HOUSING ACT, 1969

1. Discretionary Grants

Number of applications received	..	..	..	34		
Number of applications approved	..	..	..	28		
Number of applications actually proceeded with	..	..	..	34		
Of these 34 the following figures apply:-						
Total Cost of Improvement Work	..	..	..	£34,249	1s.	5d
Total Cost of Grants paid	..	..	..	£11,065	10s.	0d

2. Standard Grants

Number of applications received	..	..	..	24		
Number of applications approved	..	..	..	23		
Number of applications actually proceeded with	..	..	..	24		
Of those 24 the Maximum Grant approved was	..	..	..	£3,526	15s.	6d
Total amount of Grants paid	..	..	..	£4,150	12s.	0d

FOOD PREMISES

Once again I am able to report that the standard of food premises has been generally good. This is undoubtedly due in part to the willing co-operation which owners of all types of premises have given when suggestions of ways of improving the premises concerned have been made by the Department.

During the year only three complaints regarding foodstuffs were received by this Department and all were resolved on an informal basis.

Motels	2
Cafes	11
Residential Hotels	3
Roadhouse	1
Public Houses serving meals	14
Public Houses not serving meals	43
Grocers	58
Greengrocers	4
Fishmongers	1
Butchers	9
Food Processing Plants	7
	<hr/>
Total	153

The number of premises registered under the Food and Drugs Act is as follows:-

(i)	for the sale and storage of ice cream	76
(ii)	for the preparation or manufacture of sausages, or potted, pickled, pressed or preserved food intended for sale	1

MILK AND DAIRIES

This Authority is responsible only for the registration of Distributors of Milk and 4 registrations were made during the year making a total of 62 on the Register.

ICE CREAM

Nine new applications were received for registration, making a total of 76 on the Register.

DISPOSAL OF CONDEMNED FOOD

The small quantity of food condemned from the slaughterhouses is collected by Sheppey Glue Works, Queenborough, or alternatively is dealt with in the furnace at the Lenham Bacon Factory.

Since the opening of two large food warehouses in the District there has been an ever increasing amount of condemned tinstuffs which are buried in the Council's Tip.

FOOD INSPECTION

Details of samples taken by the County Sampling Officers within
the Hollingbourn Rural District during the year ended 31st December, 1969.

<u>Article</u>	<u>Satisfactory</u>	<u>Unsatisfactory</u>
Milk	100	10
Tinned meats, meat, fish, fish and meat pastes	10	1
Sugar, sugar confectionery, flour confectionery, chocolate products, cereals	13	2
Tea, coffee, cocoa, beverages, minerals, cordials	7	-
Jams, preserves, honey, jellies	3	-
Dried fruit, raw fruit, vegetables, tinned fruit and vegetables	18	-
Pickles, sauces, vinegar, condiments	5	--
Drugs, medicines	7	-
Beer, wines, spirits	10	-
Miscellaneous	9	-
	<hr/> 182	<hr/> 13

Unsatisfactory Samples

Christmas Stocking of Sweets (2 samples)

Sweets showed signs of deterioration. Old stock - retailer advised.

Untreated Milk

Deficient in fat. Follow-up sample satisfactory.

Beef Curry with Rice

Meat content below standard. Follow-up sample satisfactory.

Untreated Milk (8 samples)

Contained varying amounts from 1% to 8% extraneous water. Producer cautioned. Further samples to be taken.

Untreated Milk

Deficient in fat. Follow-up sample satisfactory.

Details of samples taken by the County Surveyor of the County of ...
the following Rural Districts during the year ended 31st December, 1925.

Article	Quantity	Value
Milk	100	10
Timed waste, meat, fish, fruit	10	1
and meat bones	10	1
2000 eggs (containing), 1000	10	1
containing, 1000 eggs	10	1
corn	10	1
Tea, coffee, sugar, butter, etc.	10	1
corn	10	1
James, potatoes, beans, etc.	10	1
Timed fruit, raw fruit, vegetables	10	1
Timed fruit and vegetables	10	1
Fish, salmon, mackerel, etc.	10	1
Large, medium	10	1
Beer, wine, spirits	10	1
Wholesale	10	1
	100	10

Estimated value

Estimated value of ...

Estimated value of ...

Estimated value

Estimated value of ...

Estimated value

Estimated value of ...

Estimated value

Estimated value of ...

Estimated value

Estimated value of ...

MEAT INSPECTION

Every animal slaughtered in your District for human consumption is examined by your Inspectors.

	<u>Cattle</u>		<u>Calves</u>		<u>Sheep and Lambs</u>		<u>Pigs</u>	
Number Killed	49	(76)	-	(-)	45	(168)	12,966	(10,260)
Number Inspected	49	(76)	-	(-)	45	(168)	12,966	(10,260)
<u>All Diseases except Tuberculosis and Cysticerci</u>								
Whole carcasses condemned	-	(-)	-	(-)	-	(-)	18	(14)
Carcasses of which some part or organ was condemned	1	(2)	-	(-)	-	(10)	629	(471)
Percentage of the number inspected infected with disease other than tubercu- losis or cysticerci	2	(2.5)	-	(-)	-	(6.0)	-	(4.7)
<u>Tuberculosis only</u>								
Whole carcasses condemned	-	(-)	-	(-)	-	(-)	-	(-)
Carcasses of which some part or organ was condemned	-	(-)	-	(-)	-	(-)	54	(59)
Percentage of the number inspected infected with tuberculosis	-	(-)	-	(-)	-	(-)	0.4	(.59)

Note: Figures in brackets are for 1968

POULTRY INSPECTION

- | | |
|--|---|
| (a) Number of poultry processing premises within the district | 2 |
| (b) Number of visits to these premises | 53 |
| (c) Total number of birds processed during the year: | 840,000+ |
| (d) Types of birds processed: | Turkeys; Ducks; Hens;
Broilers; Capons;
Pheasants |
| (e) Percentage of birds rejected as unfit for human consumption: | 2% |
| (f) Weight of birds rejected as unfit for human consumption: | 37,000 lbs.+ |

With the increasing number of birds being slaughtered and processed more visits to these premises have been necessary. There is a continual improvement in the conditions under which this work is carried out and as the plants expand new machinery and processes are being employed to try and reduce the risk of infection to a minimum.

TABLE 1

Number of birds of each species and sex, and percentage of birds of each sex, in the total sample, for the years 1960-1962.

Year	Male	Female	Sex	Percentage of total
1960	10,000	10,000	50%	50%
1961	10,000	10,000	50%	50%
1962	10,000	10,000	50%	50%

Source: Bureau of Statistics, 1963.

TABLE 2

(1) Number of birds of each species and sex, in the total sample, for the years 1960-1962.	10,000
(2) Number of birds of each species and sex, in the total sample, for the years 1960-1962.	10,000
(3) Number of birds of each species and sex, in the total sample, for the years 1960-1962.	10,000
(4) Number of birds of each species and sex, in the total sample, for the years 1960-1962.	10,000
(5) Number of birds of each species and sex, in the total sample, for the years 1960-1962.	10,000
(6) Number of birds of each species and sex, in the total sample, for the years 1960-1962.	10,000
(7) Number of birds of each species and sex, in the total sample, for the years 1960-1962.	10,000

With the increasing number of birds of each species and sex, in the total sample, for the years 1960-1962, the percentage of birds of each sex, in the total sample, for the years 1960-1962, is also increasing.

KNACKER'S YARD

The introduction in November of the Meat (Sterilization) Regulations, 1969 has meant that closer attention has had to be paid to the Knacker's Yard at Hollingbourne to ensure that all meat leaving the premises has been properly sterilized by heat treatment. Fortunately the owner has been most co-operative in installing the necessary equipment to do this work.

OFFICES, SHOPS AND RAILWAY PREMISES ACT, 1963

During the last year five additional premises were registered under this Act and fourteen taken off the register as the business had either closed or no longer employed staff.

Total registrations as at December, 1969 were as follows:-

Offices	24
Retail Shops	44
Wholesale Shops	11
Catering Establishments	16
	<hr/>
	95
	<hr/>

A total of 63 inspections were carried out during the year. The greater majority of premises complied with the Act and those that did not only had minor contraventions. In all cases the people concerned have co-operated with the Department and there has been no need for formal action.

SWIMMING POOLS

Samples have been taken at not less than weekly intervals from the school pools when in use and from the hotel pool all the year round. These have been of a good standard apart from one or two samples at the beginning of the school term.

WATER SUPPLY

The rural district area comprises twenty three parishes which are served by three private water undertakings. The Kid-Kent Water Company serves the largest area and draws water from underground sources within the district. The Maidstone Waterworks Company with boreholes at Detling and Aylesford Forstal and surface springs in Boxley, serves parts of the parishes of Boxley and Detling. The third water undertaking, the Medway Water Board, serves parts of the parishes of Boxley, Bredhurst and Detling. All waters are alkaline.

The connections made during 1969 are:-

	<u>No. of Properties connected as at 31st December, 1968</u>	<u>No. of Properties connected and disconnected during 1969</u>
<u>Mid-Kent Water Company</u>		
Bicknor	20	0
Boughton Malherbe	92	0
Broomfield	246	0
Chart Sutton	312	+1
East Sutton	81	-1
Frinsted	32	0
Harrietsham	467	+3
Headcorn	938	+2
Hollingbourne	339	+9
Hucking	18	0
Langley	379	+2
Leeds	235	0
Lenham	1,153	-9
Otterden	56	0
Stockbury	195	+1
Sutton Valence	537	+1
Thurnham	322	+46
Ulcombe	240	+8
Wormshill	61	+1
Wychling	35	0
	<hr/> 5,758 <hr/>	<hr/> 64 <hr/>
<u>Maidstone Waterworks Company</u>		
Boxley	597	+17
Detling	298	+3
	<hr/> 895 <hr/>	<hr/> 20 <hr/>
<u>Medway Water Board</u>		
Boxley	159	0
Bredhurst	88	+1
Detling	3	0
	<hr/> 250 <hr/>	<hr/> 1 <hr/>

Some variation from last year's figures may be due to conversion of two or more houses into one property.

The supply of water to the area as a whole is satisfactory in quality and quantity.

Samples of treated water and raw water for biological examination by the Water Undertakings have proved to be pure and wholesome.

WATER SUPPLY (CONTINUED)

Number of dwellings in the area	6,994
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Number of dwellings connected to
Company's Mains as at
31st December, 1968 6,903

Number of dwellings connected to Company's Mains during 1969	85
--	----

Number of dwellings not supplied by Public Water Mains	6
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WATER SUPPLY (continued)

Number of dwellings in the area	1,000
Number of dwellings connected to Company's Water as of 1st November, 1968	1,000
Number of dwellings connected to Company's Water during 1968	0
Number of dwellings not supplied by Public Water Supply	0

PUBLIC CLEANSING

The following services are operated:-

Refuse Collection
 Refuse Disposal
 Cesspool Emptying
 Maintenance of Cesspool Emptying Sites
 Operation and Maintenance of Sewage Disposal Works and Plants
 Rodent and Other Pest Control
 Litter Bin Maintenance
 Litter Collection including Removal and Disposal of Abandoned Cars
 Public Convenience

The comparable figures are:-

	<u>1967</u>	<u>1968</u>	<u>1969</u>
Whole Days lost	820	1,026	1,223
Holiday man/hours	4,648	5,023	5,304
Absent man/hours	204	717	597
Illness man/hours	1,629	2,622	3,540
Total men employed	46	46	48

The first Depot Superintendent appointed left in September and J. Rose, employed as a driver, was appointed to fill the vacancy.

Some changes have occurred during the year and, whilst it has been more difficult to fill vacancies than in the past, the year closed with one vacant post.

	<u>Normal Working</u>			<u>Overtime</u>		
	<u>1967</u>	<u>1968</u>	<u>1969</u>	<u>1967</u>	<u>1968</u>	<u>1969</u>
Refuse Collection including Roadside Scavenging	35,070	36,342	36,584	2,603	2,815	2,780
Refuse Disposal	1,731	2,012	1,737	59	138	466
Cesspool emptying (including buckets)	18,867	18,920	19,515	6,081	6,964	5,902
Maintenance of Cesspool Emptying Sites	1,119	796	851	494	483	654
Operation and Maintenance of Sewage Disposal Works and Plants	9,681	12,812	12,322	4,700	5,434	4,851
Pest Control	1,274	1,120	1,236	4	4	6
Litter Collection	95	56	34	-	-	-
Miscellaneous	606	1,946	1,669	38	2	68
Fitters	3,699	3,652	3,747	1,215	1,062	1,041

REFUSE AND SALVAGE COLLECTION

Refuse collection from private households has continued without alteration. Work Study was commenced in October. Waste paper has been removed separately from shops. Special collections have been made when requested.

The ever increasing problem of roadside litter has been attacked as vigorously as labour would allow. The compound provided has been used to an increasing extent.

The hours relating to Normal Working include 305 hours on roadside litter collection. The Kent County Council, as agents for the Ministry of Transport, have repaid the cost of collection along the trunk road A.20 in the sum of £119 2s. 0d for the period 2nd November, 1968 to 5th November, 1969.

Sixty five cars which have been abandoned have been removed from the roadside and disposed of under the provisions of the Civic Amenities Act. Thirty cars were in addition delivered to the refuse tip. It has been necessary to employ a contractor to remove and dispose of the bulk of these vehicles.

REFUSE DISPOSAL

Fly infestation during the summer remains a problem. Although provision was made in the estimates for mechanical spraying of insecticides, it has not been possible to find suitable equipment at a reasonable cost and hand spraying has been continued.

CESSPOOL EMPTYING

Five vehicles were in operation for most of the year. A sixth vehicle of 1,500 gallons capacity came into operation in August, but labour shortages have restricted its use during the remaining four months of the year.

	<u>1967</u>	<u>1968</u>	<u>1969</u>
Requests	4,795	5,041	5,024
Loads	11,337	12,004	12,044

During the year cesspool and bucket emptying in the sewered parts of Detling and Thurnham ceased. The Aylesford Forstal sewerage scheme was completed in July and, whilst there are few cesspools in this scheme, the remaining bucket emptying will be practically finished in August, 1970.

SEWAGE DISPOSAL PLANTS AND SEWAGE PUMPING STATIONS

Plants:

Shrubsole Drive, Sandling
Cobfield, Chart Sutton
Orchard Bank, Chart Sutton
Court Broomes, East Sutton
Green Lane, Platts Heath
Northdown, Stockbury

GENERAL INVESTIGATION

Below: collection from private individuals has continued without interruption. Your study was submitted in October. This paper has been removed separately from other. Special collections have been made when requested.

The ever increasing problem of the collection of the material has been attacked vigorously as before with effect. The required provision has been made to an increasing extent.

The house collection in general includes 100 books on various other collections. The house collection, as before, has been made of the material, and the rest of the collection along the lines of the material in the sum of 111. The 100 for the period has been made, 1955 to 25th November, 1955.

Sixty five more which have been submitted have been received from the records and disposed of under the provisions of the Division. Thirty three more in addition to the material in the records. It has been necessary to supply a number of more and copies of the list of these vehicles.

GENERAL INVESTIGATION

My information during the summer months is that, although provision was made in the summer for a number of more vehicles, it has not been possible to find suitable equipment for a number of more and hand gathering has been continued.

GENERAL INVESTIGATION

The vehicles were in operation in the month of the year. 1,500 of 1,500 vehicles capacity were in operation in the month, but later have restricted the use during the month, the total number of the year.

	1951	1952	1953
London	11,757	12,001	12,001
Worcester	4,757	5,001	5,001

During the year general and hand gathering in the records of the investigation and the records. The records of the records were made in July and, while there are the records in this section, the records of the records will be provided in the records, 1951.

GENERAL INVESTIGATION AND RECORDS SECTION

Records

Records of the records, 1951
Records of the records, 1952
Records of the records, 1953
Records of the records, 1954
Records of the records, 1955
Records of the records, 1956
Records of the records, 1957
Records of the records, 1958
Records of the records, 1959
Records of the records, 1960

SEWAGE DISPOSAL PLANTS AND SEWAGE PUMPING STATIONS (CONTINUED)

Pumping Stations:

Langley
Forge Leas, Harrietsham
Orchard Glade, Headcorn
Hollingbourne
Robins Avenue, Lenham
Captains Close, Sutton Valence
Hockers Lane, Detling
Ware Street, Thurnham
Hook Lane, Harrietsham

To this list has now been added:-

Aylesford Forstal

The Plants and Pumping Stations have been maintained during the year.

SEWAGE DISPOSAL WORKS

Harrietsham

It is suspected that some chemicals still find their way in solution to the works from the Marley Tile factories but, in the absence of laboratory facilities for examining trade effluents, little can be done to detect the complex substances which may have a progressive effect on the bacterial life of the various stages of purification.

Headcorn

Grit removal remains a problem here, there being no mechanical facilities for removal.

Leeds

The proposed extension to deal with sewage from Kingswood will overcome the pumping problems.

Lenham

It has been possible to contain the sewage and effluent within the perimeter of the works, although the partially treated proportion of the sewage is very polluting to the stream.

Sutton Valence

The Works continues to provide a satisfactory effluent.

Ulcombe

The Works continues to provide a satisfactory effluent.

No problems have occurred in the removal of sludge from the Works or in finding sites for disposal.

1. INTRODUCTION

During the year 1954, the work of the Institute has been directed towards the study of the properties of the various types of polymers, and the effect of the various factors on the rate of polymerization. The results of the work are summarized in the following sections.

To this list have been added:-

1. The effect of the various factors on the rate of polymerization.

The results of the work have been summarized in the following sections.

2. THE EFFECT OF THE VARIOUS FACTORS ON THE RATE OF POLYMERIZATION

2.1. Temperature

It is well known that the rate of polymerization is strongly dependent on the temperature. In the present work, the effect of the temperature on the rate of polymerization has been studied for the various types of polymers. The results are summarized in the following table.

2.2. Concentration

The effect of the concentration of the monomer on the rate of polymerization has been studied for the various types of polymers. The results are summarized in the following table.

2.3. Catalyst

The effect of the concentration of the catalyst on the rate of polymerization has been studied for the various types of polymers. The results are summarized in the following table.

2.4. Solvent

The effect of the solvent on the rate of polymerization has been studied for the various types of polymers. The results are summarized in the following table.

2.5. Time

The effect of the time on the rate of polymerization has been studied for the various types of polymers. The results are summarized in the following table.

2.6. Pressure

The effect of the pressure on the rate of polymerization has been studied for the various types of polymers. The results are summarized in the following table.

PEST CONTROL

The Rodent Operator combines his duties in the extermination of pests with the emptying and maintenance of the litter bins.

Upon his retirement in November the Operator continued on a part-time basis, working three days a week.

The requests for destruction were:-

	<u>1968</u>	<u>1969</u>		<u>1968</u>	<u>1969</u>
Rats	231	230			
Mice	41	51			
Wasps	23	51			
Flies	3	5			
Fleas	-	2			
Bugs	2	-	Visits	063	534
Ants	12	1	Surveys	244	309
Beetles	7	10	Bodies Found	439	526
Earwigs	-	-			
Cockroaches	3	2			
	<u>322</u>	<u>359</u>			

LITTER

Roadside litter has been collected with reduced frequency due to illness amongst the ageing labour force. By the end of the year two of the original collectors had retired. The man cleaning the Depot carries out a limited amount of collection.

THE REPORT

The report contains his notes on the examination of the
 and the results of the examination of the latter.
 When his report is received in November the report contained on a part-time
 basis, working three days a week.

The report for the year 1963 was:

1963	1962	
231	231	1963
41	41	1962
27	27	1961
2	2	1960
2	2	1959
2	2	1958
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2	2	1906
2	2	1905
2	2	1904
2	2	1903
2	2	1902
2	2	1901
2	2	1900

THE REPORT

His report has been collected with reduced frequency for
 the purpose of the report. By the end of the year 1963
 of the original collection had been collected. The man claiming the report
 contains a list of the names of the collection.

GENERAL SUMMARY

Estimated resident population	..	..	..	..	..	19,890
Area (in acres)	..	..	..	..	..	56,796
Persons per acre	..	..	..	..	..	.348
Annual Birth Rate per 1,000 population	-	crude	-			16.3
	-	corrected	-			17.9
Annual Death Rate per 1,000 population	-	crude	-			10.6
	-	corrected	-			10.1
		<u>Male</u>	<u>Female</u>	<u>Total</u>		
Births	..	..	..	..	..	167 157 324
Deaths	..	..	..	..	..	117 94 211
Excess of births over deaths	..	..	50	63		113
Pulmonary tuberculosis death rate per 1,000 population	..					0.05
Other tuberculosis death rate per 1,000 population	..					-
Cancer death rate per 1,000 population	..	..	..	..		2.06
Pneumonia (all forms) death rate per 1,000 population	..					0.50

GENERAL SUMMARY

Estimated resident population	19,870		
Area (in acres)	76,796		
Persons per acre	258		
Annual birth rate per 1,000 population - crude	16.2		
corrected	15.3		
Annual death rate per 1,000 population - crude	10.6		
corrected	10.1		
	<u>Total</u>	<u>Male</u>	<u>Female</u>
Births	321	167	154
Deaths	94	47	47
Excess of births over deaths	227	120	107
Infant mortality rate per 1,000 population	0.00		
Other tuberculosis death rate per 1,000 population	-		
Cancer death rate per 1,000 population	2.50		
Prostate (all types) death rate per 1,000 population	0.50		

BIRTH-RATES, DEATH-RATES AND ANALYSIS OF MORTALITY
IN THE YEAR, 1969

AREA	Rate per 1,000 population	Annual Death-rate per 1,000 population				Rate per 1,000	
		All causes	Tuberculosis	Cancer of Lung	Other Cancer	Live Births	Related Births
	Live Births					Total deaths under 1 year	Still Births
England & Wales	16.3	11.9	*	*	*	18	13
Hollingbourn R.D.	17.9	10.1	0.05	0.55	1.50	9	12
Maidstone R.D.	22.9	9.6	0.03	0.68	1.51	8	7
Malling R.D.C.	19.4	11.7	0.05	0.65	1.36	12	13
Maidstone Borough	17.5	10.7	0.02	0.54	1.51	15	12
County of Kent	16.6	12.3	0.01	0.64	1.86	16	12

* Figures not yet available.

WATER-SUPPLY AND ANALYSIS OF WASTEWATER

IN THE YEAR 1969

AREA	Rate per 1,000 population	Annual Per-capita per 1,000 population				Rate per 1,000	
		Domestic Use	Industrial Use	Commercial Use	Public Use	Water	Sanitation
City of New York	16.5	12.5	0.52	0.52	1.50	16	16
Queens Borough	17.5	10.7	0.52	0.52	1.51	16	16
Long Island City	19.5	11.7	0.52	0.52	1.50	16	16
Manhattan	20.9	9.5	0.52	0.52	1.51	16	16
Brooklyn	19.5	10.7	0.52	0.52	1.50	16	16
Westchester County	16.5	11.5	0.52	0.52	1.50	16	16

* Figures not yet available.



