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**Publication/Creation**

1947

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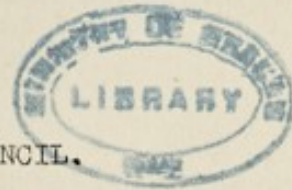
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NEWMARKET URBAN DISTRICT COUNCIL.

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WEST SUFFOLK.

R E P O R T


of the

MEDICAL OFFICER OF HEALTH

for the year

1947.

ROBERT H. CLAYTON, M.B., B.S., B.Hy., D.P.H.



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ANNUAL REPORT

of the

Medical Officer of Health for the Urban District  
of Newmarket in the County of West Suffolk for  
the year ending 31st December, 1947.

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Public Health Offices,  
8, Whiting Street,  
Bury St. Edmunds.

July 1948.

To:-

The Chairman and Members of the  
Urban District Council of Newmarket.

Mr. Chairman, Ladies and Gentlemen,

Herewith I beg to submit for your favourable consideration  
my twelfth Annual Report as Medical Officer of Health, being that  
for the year ended 31st December, 1947.

I am, Mr. Chairman, Ladies and Gentlemen,

Your obedient servant,

ROBERT H. CLAYTON,

Medical Officer of Health.

Public Health Officers of the Authority.

- (a) Medical - One part-time Medical Officer of Health.  
Robert H. Clayton, M.B., B.S., B.Hy.,  
D.P.H. (Durham), Cert. Mental Deficiency  
and Allied Subjects (London), appointed in 1936.

This Office does not engage in private practice but  
holds in addition the following appointments:- Medical  
Officer of Health, Thedwastre R.D.C., Cosford R.D.C.,  
Thingoe R.D.C., and Mildenhall R.D.C.

- (b) Others - One Sanitary Inspector.  
G. Penistone, M.S.I.A., Cert.S.I.B.,  
Cert. Inspector of Meat and Other Foods,  
Cert. Smoke Inspector, Royal Sanitary Institute,  
appointed August 1946.

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Public Health and Housing Committees.

Councillor Miss D. F. Smith, Chairman, Public Health Committee.  
Councillor Mrs. A. F. Fuller,  
Councillor Mr. D. L. Ede, Chairman, Housing Committee.  
Councillor Mr. E. A. Dunham, Chairman of Council.  
Councillor Mr. J. Andrew,  
Councillor Mr. M. Griffiths.

REPORT OF THE BOARD OF ALBANY, N.Y.

ALBANY, N.Y.

1891

1891

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# SECTION A.

## STATISTICS AND SOCIAL CONDITIONS OF THE AREA.

1. GENERAL STATISTICS. Area .. .. 5,640 acres.

Registrar General's estimate of the resident population .. .. 1947. (1946.)  
9,019 (8,743)

Number of inhabited houses at end of year according to Rate Book .. .. 2,890 (2,856)

Rateable Value .. .. £73,193 (£72,591)

Sum represented by a Penny Rate .. .. £266 (£282)

2. EXTRACTS FROM VITAL STATISTICS FOR THE YEAR.

<u>Live Births.</u>	<u>Total.</u>		<u>Male.</u>		<u>Female.</u>	
	1947.	(1946)	1947.	(1946)	1947.	(1946)
Legitimate	153	(140)	77	(64)	76	(76)
Illegitimate	8	(15)	5	(7)	3	(8)
<u>Stillbirths.</u>						
Legitimate	3	(4)	1	(2)	2	(2)
Illegitimate	Nil	(1)	Nil	(1)	Nil	(-)

	<u>Newmarket.</u>			<u>England &amp; Wales.</u>	
	1936 to 1945			1947.	(1946)
	Decade				
	Average.	1947.	(1946.)		
<u>Birth Rate.</u> (Live births per 1000 civilian population)	13.3	17.9	(17.7)	20.5	(19.1)
<u>Rate of Illegitimate births</u> per 1000 legitimate births.	70	52	(107)	-	-
<u>Stillbirth Rate</u> per 1000 total (live & stillbirths).	28.1	18.3	( 31.3)	-	-
<u>Death Rate</u> per 1000 resident population.	13.3	12.0	(16.8)	12.0	(11.5)
<u>Death Rate of Infants under 1 year.</u>					
All infants per 1000 live births.	41.4	37.3	(45.2)	41	(43)
Legitimate Infants per 1000 legitimate births	39.9	26.1	(50.0)	-	( - )
Illegitimate Infants per 1000 illegitimate births.	63.3	250	Nil	-	( - )

The total number of Live Births to Newmarket Residents during 1947 was 161 of which 147 were born in Newmarket and 14 elsewhere. The total number of Live Births in 1946 was 155 and included 18 infants born elsewhere than in Newmarket to Newmarket Residents.

The number of Stillbirths in 1947 was 3, and in 1946 the corresponding figure was 5.

Illegitimate Births declined from 18 in 1945 to 15 in 1946 and to 8 in 1947.

THE HISTORY OF THE UNITED STATES

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THE HISTORY OF THE UNITED STATES

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THE HISTORY OF THE UNITED STATES

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Below is a table giving the causes and the number of deaths occurring at the various age groups. The totals correspond with the Registrar General's figures.

CAUSES OF DEATHS.		Deaths at the sub-joined ages of "RESIDENTS" whether occurring in or beyond the District.															
		Under 1 year.		1 & under 5		5 & under 15		15 & under 25		25 & under 45		45 & under 65		65 & up-wards		Total Registrar General's figures.	
		M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
6.	Tuberculosis of respiratory system.	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-
9.	Influenza.	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-
13.	Cancer of buccal cavity & oesophagus(M)uterus(F).	-	-	-	-	-	-	-	-	-	-	1	1	1	1	2	2
14.	Cancer of stomach and duodenum.	-	-	-	-	-	-	-	-	-	-	1	1	2	-	3	1
15.	Cancer of breast.	-	-	-	-	-	-	-	-	-	-	-	1	-	2	-	3
16.	Cancer of all other sites.	-	-	-	-	-	-	-	-	1	1	4	2	4	3	9	6
18.	Intra-cranial vascular lesions.	-	-	-	-	-	-	-	-	-	-	3	1	4	5	7	6
19.	Heart Disease.	-	-	-	-	-	-	-	-	-	-	1	-	9	12	10	12
20.	Other diseases of the circulatory system.	-	-	-	-	-	-	1	-	-	-	-	-	2	3	3	3
21.	Bronchitis.	-	-	-	-	-	-	-	-	-	-	-	-	4	1	4	1
22.	Pneumonia.	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	2
23.	Other respiratory diseases.	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-
24.	Ulcer of stomach or duodenum.	-	-	-	-	-	-	-	-	1	-	3	-	-	-	4	-
27.	Other digestive diseases.	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-
28.	Nephritis.	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-
30.	Other maternal causes.	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1
31.	Premature Birth.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
32.	Congenital malformations, birth injury, infantile disease.	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	2
33.	Suicide	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
35.	Other violent causes.	-	1	-	-	-	-	-	-	-	-	-	-	1	-	1	1
36.	All other causes.	-	-	-	-	-	-	-	-	-	-	1	2	12	3	13	5
TOTAL: Males		1	-	-	-	-	-	1	-	2	-	15	-	43	-	62	-
Females		-	5	-	-	-	-	-	-	2	-	8	-	31	-	-	46

Below is a list of the names of the persons who have been  
examined at the various points of the coast, and the results of the  
examination, as far as they have been ascertained.

NAME OF PERSON		RESULTS OF EXAMINATION	
1. Thompson, J. H.	1870	1	1
2. Johnson, W. M.	1871	1	1
3. Smith, A. B.	1872	1	1
4. Brown, C. D.	1873	1	1
5. White, E. F.	1874	1	1
6. Green, G. H.	1875	1	1
7. Black, I. J.	1876	1	1
8. Gray, K. L.	1877	1	1
9. Hall, M. N.	1878	1	1
10. King, O. P.	1879	1	1
11. Lee, Q. R.	1880	1	1
12. Scott, S. T.	1881	1	1
13. Adams, U. V.	1882	1	1
14. Baker, W. X.	1883	1	1
15. Clark, Y. Z.	1884	1	1
16. Evans, A. B.	1885	1	1
17. Foster, C. D.	1886	1	1
18. Gibson, E. F.	1887	1	1
19. Hart, G. H.	1888	1	1
20. Irwin, I. J.	1889	1	1
21. Jones, K. L.	1890	1	1
22. Kelly, M. N.	1891	1	1
23. Lewis, O. P.	1892	1	1
24. Miller, Q. R.	1893	1	1
25. Moore, S. T.	1894	1	1
26. Nelson, U. V.	1895	1	1
27. Oliver, W. X.	1896	1	1
28. Parker, Y. Z.	1897	1	1
29. Quinn, A. B.	1898	1	1
30. Reed, C. D.	1899	1	1
31. Russell, E. F.	1900	1	1
32. Stewart, G. H.	1901	1	1
33. Taylor, I. J.	1902	1	1
34. Turner, K. L.	1903	1	1
35. Vance, M. N.	1904	1	1
36. Webb, O. P.	1905	1	1
37. Wright, Q. R.	1906	1	1
38. Young, S. T.	1907	1	1
39. Allen, U. V.	1908	1	1
40. Wright, W. X.	1909	1	1
41. Allen, Y. Z.	1910	1	1
42. Allen, A. B.	1911	1	1
43. Allen, C. D.	1912	1	1
44. Allen, E. F.	1913	1	1
45. Allen, G. H.	1914	1	1
46. Allen, I. J.	1915	1	1
47. Allen, K. L.	1916	1	1
48. Allen, M. N.	1917	1	1
49. Allen, O. P.	1918	1	1
50. Allen, Q. R.	1919	1	1
51. Allen, S. T.	1920	1	1
52. Allen, U. V.	1921	1	1
53. Allen, W. X.	1922	1	1
54. Allen, Y. Z.	1923	1	1
55. Allen, A. B.	1924	1	1
56. Allen, C. D.	1925	1	1
57. Allen, E. F.	1926	1	1
58. Allen, G. H.	1927	1	1
59. Allen, I. J.	1928	1	1
60. Allen, K. L.	1929	1	1
61. Allen, M. N.	1930	1	1
62. Allen, O. P.	1931	1	1
63. Allen, Q. R.	1932	1	1
64. Allen, S. T.	1933	1	1
65. Allen, U. V.	1934	1	1
66. Allen, W. X.	1935	1	1
67. Allen, Y. Z.	1936	1	1
68. Allen, A. B.	1937	1	1
69. Allen, C. D.	1938	1	1
70. Allen, E. F.	1939	1	1
71. Allen, G. H.	1940	1	1
72. Allen, I. J.	1941	1	1
73. Allen, K. L.	1942	1	1
74. Allen, M. N.	1943	1	1
75. Allen, O. P.	1944	1	1
76. Allen, Q. R.	1945	1	1
77. Allen, S. T.	1946	1	1
78. Allen, U. V.	1947	1	1
79. Allen, W. X.	1948	1	1
80. Allen, Y. Z.	1949	1	1
81. Allen, A. B.	1950	1	1
82. Allen, C. D.	1951	1	1
83. Allen, E. F.	1952	1	1
84. Allen, G. H.	1953	1	1
85. Allen, I. J.	1954	1	1
86. Allen, K. L.	1955	1	1
87. Allen, M. N.	1956	1	1
88. Allen, O. P.	1957	1	1
89. Allen, Q. R.	1958	1	1
90. Allen, S. T.	1959	1	1
91. Allen, U. V.	1960	1	1
92. Allen, W. X.	1961	1	1
93. Allen, Y. Z.	1962	1	1
94. Allen, A. B.	1963	1	1
95. Allen, C. D.	1964	1	1
96. Allen, E. F.	1965	1	1
97. Allen, G. H.	1966	1	1
98. Allen, I. J.	1967	1	1
99. Allen, K. L.	1968	1	1
100. Allen, M. N.	1969	1	1



Year.	Rateable Value.	Penny Rate Product.	No. of inhabited houses.	Registrar-General's Estimate Population.	Total Deaths.	Deaths under One year		Births.		Stillbirths.	
						Legit-imate.	Illegit-imate.	Legit-imate.	Illegit-imate.	Legit-imate.	Illegit-imate.
1936.	£71,889	£269	2,790	9,400	106	4	-	101	5	3	Nil
1937.	£72,018	£268	2,795	9,330	107	3	-	98	8	2	Nil
1938.	£72,531	£268	2,809	9,207	133	5	1	102	8	2	Nil
1939.	£72,426	£269	2,812	9,202	101	4	1	86	5	4	Nil
1940.	£72,000	£268	2,805	9,420	109	4	1	104	6	5	Nil
1941.	£71,125	£267	2,802	9,447	127	5	1	148	2	3	Nil
1942.	£71,539	£280	2,794	9,860	132	6	-	124	6	3	Nil
1943.	£71,683	£280	2,792	8,618	155	4	-	113	10	5	Nil
1944.	£71,711	£280	2,790	8,516	133	7	1	140	11	5	Nil
1945.	£72,396	£282	2,795	8,492	104	3	-	113	18	3	Nil
DECADE TOTALS.	-	-	-	..	1,207	45	5	1,129	79	35	Nil
ANNUAL AVERAGE DURING DECADE.	£71,932	£273	2,856	9,052	121	4.5	0.5	113	8	3.5	Nil
1946.	£72,591	£282	2,856	8,743	127	7	Nil	140	15	4	One
1947.	£73,193	£266	2,890	9,019	108	5	1	153	8	3	Nil

1936 to 1945.

Year	Age	Sex	Weight	Length	Wing	Tail	Culmen	Tarsus	Middle toe	Claw	Bill	Feet	Notes
1901	1	♂	100	180	110	80	15	25	10	5	10	10	100
1902	2	♀	120	200	120	90	20	30	15	10	15	15	120
1903	3	♂	150	220	130	100	25	35	20	15	20	20	150
1904	4	♀	180	240	140	110	30	40	25	20	25	25	180
1905	5	♂	200	260	150	120	35	45	30	25	30	30	200
1906	6	♀	220	280	160	130	40	50	35	30	35	35	220
1907	7	♂	250	300	170	140	45	55	40	35	40	40	250
1908	8	♀	280	320	180	150	50	60	45	40	45	45	280
1909	9	♂	300	340	190	160	55	65	50	45	50	50	300
1910	10	♀	320	360	200	170	60	70	55	50	55	55	320
1911	11	♂	350	380	210	180	65	75	60	55	60	60	350
1912	12	♀	380	400	220	190	70	80	65	60	65	65	380
1913	13	♂	400	420	230	200	75	85	70	65	70	70	400
1914	14	♀	420	440	240	210	80	90	75	70	75	75	420
1915	15	♂	450	460	250	220	85	95	80	75	80	80	450
1916	16	♀	480	480	260	230	90	100	85	80	85	85	480
1917	17	♂	500	500	270	240	95	105	90	85	90	90	500
1918	18	♀	520	520	280	250	100	110	95	90	95	95	520
1919	19	♂	550	540	290	260	105	115	100	95	100	100	550
1920	20	♀	580	560	300	270	110	120	105	100	105	105	580
1921	21	♂	600	580	310	280	115	125	110	105	110	110	600
1922	22	♀	620	600	320	290	120	130	115	110	115	115	620
1923	23	♂	650	620	330	300	125	135	120	115	120	120	650
1924	24	♀	680	640	340	310	130	140	125	120	125	125	680
1925	25	♂	700	660	350	320	135	145	130	125	130	130	700
1926	26	♀	720	680	360	330	140	150	135	130	135	135	720
1927	27	♂	750	700	370	340	145	155	140	135	140	140	750
1928	28	♀	780	720	380	350	150	160	145	140	145	145	780
1929	29	♂	800	740	390	360	155	165	150	145	150	150	800
1930	30	♀	820	760	400	370	160	170	155	150	155	155	820
1931	31	♂	850	780	410	380	165	175	160	155	160	160	850
1932	32	♀	880	800	420	390	170	180	165	160	165	165	880
1933	33	♂	900	820	430	400	175	185	170	165	170	170	900
1934	34	♀	920	840	440	410	180	190	175	170	175	175	920
1935	35	♂	950	860	450	420	185	195	180	175	180	180	950
1936	36	♀	980	880	460	430	190	200	185	180	185	185	980
1937	37	♂	1000	900	470	440	195	205	190	185	190	190	1000
1938	38	♀	1020	920	480	450	200	210	195	190	195	195	1020
1939	39	♂	1050	940	490	460	205	215	200	195	200	200	1050
1940	40	♀	1080	960	500	470	210	220	205	200	205	205	1080
1941	41	♂	1100	980	510	480	215	225	210	205	210	210	1100
1942	42	♀	1120	1000	520	490	220	230	215	210	215	215	1120
1943	43	♂	1150	1020	530	500	225	235	220	215	220	220	1150
1944	44	♀	1180	1040	540	510	230	240	225	220	225	225	1180
1945	45	♂	1200	1060	550	520	235	245	230	225	230	230	1200
1946	46	♀	1220	1080	560	530	240	250	235	230	235	235	1220
1947	47	♂	1250	1100	570	540	245	255	240	235	240	240	1250
1948	48	♀	1280	1120	580	550	250	260	245	240	245	245	1280
1949	49	♂	1300	1140	590	560	255	265	250	245	250	250	1300
1950	50	♀	1320	1160	600	570	260	270	255	250	255	255	1320
1951	51	♂	1350	1180	610	580	265	275	260	255	260	260	1350
1952	52	♀	1380	1200	620	590	270	280	265	260	265	265	1380
1953	53	♂	1400	1220	630	600	275	285	270	265	270	270	1400
1954	54	♀	1420	1240	640	610	280	290	275	270	275	275	1420
1955	55	♂	1450	1260	650	620	285	295	280	275	280	280	1450
1956	56	♀	1480	1280	660	630	290	300	285	280	285	285	1480
1957	57	♂	1500	1300	670	640	295	305	290	285	290	290	1500
1958	58	♀	1520	1320	680	650	300	310	295	290	295	295	1520
1959	59	♂	1550	1340	690	660	305	315	300	295	300	300	1550
1960	60	♀	1580	1360	700	670	310	320	305	300	305	305	1580
1961	61	♂	1600	1380	710	680	315	325	310	305	310	310	1600
1962	62	♀	1620	1400	720	690	320	330	315	310	315	315	1620
1963	63	♂	1650	1420	730	700	325	335	320	315	320	320	1650
1964	64	♀	1680	1440	740	710	330	340	325	320	325	325	1680
1965	65	♂	1700	1460	750	720	335	345	330	325	330	330	1700
1966	66	♀	1720	1480	760	730	340	350	335	330	335	335	1720
1967	67	♂	1750	1500	770	740	345	355	340	335	340	340	1750
1968	68	♀	1780	1520	780	750	350	360	345	340	345	345	1780
1969	69	♂	1800	1540	790	760	355	365	350	345	350	350	1800
1970	70	♀	1820	1560	800	770	360	370	355	350	355	355	1820
1971	71	♂	1850	1580	810	780	365	375	360	355	360	360	1850
1972	72	♀	1880	1600	820	790	370	380	365	360	365	365	1880
1973	73	♂	1900	1620	830	800	375	385	370	365	370	370	1900
1974	74	♀	1920	1640	840	810	380	390	375	370	375	375	1920
1975	75	♂	1950	1660	850	820	385	395	380	375	380	380	1950
1976	76	♀	1980	1680	860	830	390	400	385	380	385	385	1980
1977	77	♂	2000	1700	870	840	395	405	390	385	390	390	2000
1978	78	♀	2020	1720	880	850	400	410	395	390	395	395	2020
1979	79	♂	2050	1740	890	860	405	415	400	395	400	400	2050
1980	80	♀	2080	1760	900	870	410	420	405	400	405	405	2080
1981	81	♂	2100	1780	910	880	415	425	410	405	410	410	2100
1982	82	♀	2120	1800	920	890	420	430	415	410	415	415	2120
1983	83	♂	2150	1820	930	900	425	435	420	415	420	420	2150
1984	84	♀	2180	1840	940	910	430	440	425	420	425	425	2180
1985	85	♂	2200	1860	950	920	435	445	430	425	430	430	2200
1986	86	♀	2220	1880	960	930	440	450	435	430	435	435	2220
1987	87	♂	2250	1900	970	940	445	455	440	435	440	440	2250
1988	88	♀	2280	1920	980	950	450	460	445	440	445	445	2280
1989	89	♂	2300	1940	990	960	455	465	450	445	450	450	2300
1990	90	♀	2320	1960	1000	970	460	470	455	450	455	455	2320
1991	91	♂	2350	1980	1010	980	465	475	460	455	460	460	2350
1992	92	♀	2380	2000	1020	990	470	480	465	460	465	465	2380
1993	93	♂	2400	2020	1030	1000	475	485	470	465	470	470	2400
1994	94	♀	2420	2040	1040	1010	480	490	475	470	475	475	2420
1995	95	♂	2450	2060	1050	1020	485	495	480	475	480	480	2450
1996	96	♀	2480	2080	1060	1030	490	500	485	480	485	485	2480
1997	97	♂	2500	2100	1070	1040	495	505	490	485	490	490	2500
1998	98	♀	2520	2120	1080	1050	500	510	495	490	495	495	2520
1999	99	♂	2550	2140	1090	1060	505	515	500	495	500	500	2550
2000	100	♀	2580	2160	1100	1070	510	520	505	500	505	505	2580



SECTION B.

GENERAL PROVISION OF HEALTH SERVICES IN THE AREA.

(a) LABORATORY FACILITIES. For some years these facilities have been provided, with complete satisfaction, by the Emergency Public Health Laboratory at Cambridge on payment of a fixed sum. As from 31st March, 1947, however, the Government decided that these facilities should be provided free by the same Laboratory.

(b) AMBULANCE FACILITIES. The Red Cross Society provided two ambulances at Newmarket for general and maternity cases. The Service is under the direction of Miss Marjorie Marriott, Officer-in-Charge, and a full-time driver (Mr. Ballard) is employed. These ambulances dealt very promptly with all calls made upon them during 1947, as did the Hospital Car Service which is under the direction of the same officer.

Infectious Disease cases are removed by the ambulance stationed at Newmarket R.D.C. Isolation Hospital (in our urban area), to which our cases of infectious disease are removed.

(c) NURSING IN THE HOME. This continued as in previous years.

(d) CLINICS AND TREATMENT CENTRES. The following is a list of Out-Patient Clinics held at White Lodge Hospital:-

MONDAY.	9.30 a.m. Dental.	
	1.30 p.m. T.B.Consultations & A.P.Refills.	Dr. Arden Jones Resident Medical Officer.
TUESDAY.	11.00 a.m. Surgical.	Mr. Rowlands.
	(2.00 p.m. Special Medical Clinic.	Resident Medical Officer)
	2.00 p.m. Ante-natal.	Professor Maxwell.
1st and 3rd Tuesdays in month.	2.00 p.m. Eye Clinic.	Miss Perrers Taylor.
4th Tuesdays in month.	2.00 p.m. School Eye Clinic.	Dr. Cory.
1st or 2nd Tuesday in month.	10.00 a.m. School E.N.T.	Mr. Williamson.
WEDNESDAY.	9.30 a.m. Dental.	
	2.00 p.m. E.N.T.	Mr. Williamson.
	2.00 p.m. Medical.	Dr. Arden Jones.
	2.00 p.m. Medical.	Dr. Martin.
THURSDAY.	10.00 a.m. Gynaecological.	Professor Maxwell.
	2.00 p.m. T.B.Consultations & A.P. Refills.	Dr. Arden Jones. Resident Medical Officer.
	2.00 p.m. Ante-natal.	Professor Maxwell.
FRIDAY.	9.30 a.m. Dental.	
	2.00 p.m. Surgical.	Mr. Rowlands.
	2.00 p.m. Orthopaedic.	Mr. Jamieson.
SATURDAY. (3rd in each month)	9.30 a.m. School Orthopaedic.	
* Consultations to be arranged through Public Health Department, West Suffolk County Council.		

(e) HOSPITALS. Of the 161 total live births to Newmarket Residents, 147 took place in the Urban District, and of these, 83 occurred at White Lodge Hospital and 24 at the Cardigan Street Nursing Home - the remaining 40 were at the residents' home.





Of the 108 deaths of Newmarket residents, 60 occurred at their homes, and 48 occurred at hospitals, as follows:-

22 White Lodge	(E.M.S.)	Hospital,	Newmarket.
11 St. Mary's	(P.A.C.)	"	Bury St. Edmunds.
5 Rous Memorial	(General)	"	Newmarket.
5 Addenbrookes	"	"	Cambridge.
1 Cambridge	(P.A.C.)	"	Cambridge.
1 Walnuttrees	"	"	Sudbury.
1 Cottage Hospital,			Felixstowe.
1 Hill End	(E.M.S.)	Hospital,	St. Albans.
1 Hellesdon Hospital,			Hellesdon.

The facilities provided at White Lodge Emergency Hospital, Newmarket, were greatly appreciated by the inhabitants, the Ministry of Health having authorised the admission of the following categories of civilian cases:-

- (a) Orthopaedic and Peripheral Nerve Injury cases from Newmarket Area.
- (b) Medical and Surgical Emergencies from Newmarket Area.
- (c) Medical and Surgical Cases from Newmarket Area requiring special investigation and treatment.

In addition, the County Council had arrangements at this Hospital for the admission of maternity cases.

#### SECTION C.

##### SANITARY CIRCUMSTANCES OF THE AREA.

1. (i) WATER. The Newmarket Waterworks Company supplies the Urban District - all properties except two farms and 13 houses have piped supplies laid in to the properties.

Two wells in the chalk at Southfields Pumping Station, connected by an adit, are the source of the supply. The storage reservoir at Warren Hill has a capacity of 260,000 gallons.

The supply was maintained without break throughout the year despite the long dry season.

32 samples of water were taken during 1947 from the wells proper of which 28 were bacteriologically satisfactory, the remaining 4 showing small B. Coli counts. Whenever such a count was obtained, the Waterworks Company showed their usual solicitude and concern to keep a close check on the chlorination of the water before distribution into the mains. That the chlorination was indeed satisfactory was proved by the fact that all 31 samples taken from the mains were satisfactory and negative for B. Coli.

A sample of water from the well at Southfields Pumping Station was submitted to the Public Analyst for Chemical Examination and the following is a copy of his certificate:-

Public Analyst Laboratory,  
Tenison Road, Cambridge.

##### Certificate of Analysis.

Sample of Water labelled "Direct from Well at Southfields Pumping Station" received on the 2nd September, 1947, from G. Penistone, Newmarket Urban District Council.

Physical Characters	...	...	...	Good
Reaction	...	...	...	pH 7.3
<u>The Sample contained</u>				<u>parts per 100,000</u>
Chlorine	...	...	...	2.45
Ammonia (Free and Saline)	...	...	...	Absent
Ammonia (Albuminoid)	...	...	...	0.0020
Oxygen absorbed in 3 hrs at 37.C	...	...	...	0.0285
Nitrates (expressed as Nitrogen)	...	...	...	0.70
Nitrites	...	...	...	Absent
Poisonous Metals	...	...	...	Absent

On the 1st of January, 1947, the following items were received from the donors:

- 1. Cash \$100.00
- 2. Bonds \$50.00
- 3. Stocks \$25.00
- 4. Real Estate \$15.00
- 5. Automobiles \$10.00
- 6. Furniture \$5.00
- 7. Miscellaneous \$2.00
- 8. Total \$207.00

The following items were received from the donors on the 1st of January, 1947:

- 1. Cash \$100.00
- 2. Bonds \$50.00
- 3. Stocks \$25.00
- 4. Real Estate \$15.00
- 5. Automobiles \$10.00
- 6. Furniture \$5.00
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- 4. Real Estate \$15.00
- 5. Automobiles \$10.00
- 6. Furniture \$5.00
- 7. Miscellaneous \$2.00
- 8. Total \$207.00

The following items were received from the donors on the 1st of January, 1947:

Item	Amount	Total
Cash	\$100.00	\$100.00
Bonds	\$50.00	\$150.00
Stocks	\$25.00	\$175.00
Real Estate	\$15.00	\$190.00
Automobiles	\$10.00	\$200.00
Furniture	\$5.00	\$205.00
Miscellaneous	\$2.00	\$207.00
Total		\$207.00



### Bacteriological Examination

Coliform organisms absent in 100 mls.

Number of micro-organisms per ml. developing on Agar  
at 37°C = Nil

Number of micro-organisms per ml. developing on Agar  
at 31°C = 3

Microscopical Examination of Deposit.

None.

Total Hardness. 16.52 degrees (grains per gallon)

Plumbo Solvency. No action on lead in 48 hours at 20° - 25°C.

### INFERENCE.

The results obtained on the analysis of this sample do not show any evidence of pollution with harmful organic or inorganic matter. I am of opinion that this water is fit for drinking purposes.

(Signed) S. GREENBURGH.  
Public Analyst.

9th September, 1947.

I. (ii). DRAINAGE AND SEWERAGE. There are two separate Sewage Disposal Works. The main Newmarket Sewage Disposal Works treat an estimated dry weather flow of 445,751 gallons per day.

The Exning Sewage Disposal Works treat an estimated dry weather flow of 57,411 gallons per day.

The position with regard to both works remains the same as was stated in the Annual Report for 1946. Consideration has been given to the installation of Electric Motors to operate the existing centrifugal pumps at Newmarket, but owing to the excessive present day costs and long delivery period for the plant, the matter has again been deferred.

As a provision against pollution of sewage by trade waste, gas liquor from the Newmarket Gas Company's Works is not admitted to the sewers, but is conveyed by tanker to the Newmarket Sewage Disposal Works, where it is discharged on to the Tip. 360,000 gallons of crude gas liquor were carted and thus disposed of during the year.

II. RIVERS AND STREAMS. The final effluent from the Sewage Works is given land treatment before being discharged into the stream.

III. (i) CLOSET ACCOMMODATION. In the District only the two farms and thirteen houses, previously noted as being without a piped water supply, are without water closets.

(ii) PUBLIC CLEANSING. Cleansing of streets and road gullies, collection of house refuse, shop refuse, trade refuse, and salvage, is carried out by direct labour under the supervision of the Engineer and Surveyor. In connection with this the Council have one 12 cubic yard Scammell Moving Floor Refuse Collector, and one 500 gallon Scammell Gully and Cesspool Emptier.

The house refuse is disposed of by incineration at the Council's Three-Cell Manlove Alliot Refuse Destructor, which is worked in connection with Babcock & Wilcox Water Tube Boilers, for raising steam to operate the Sewage Pumping Plant. The Council also have a modern Aveling & Barford Steam Disinfector at these Works.

As in previous years, dustbins were purchased in quantities and sold to individuals, as it has been found that this greatly assists in the collection of domestic refuse. Useful materials are sorted (and where applicable are baled) at the Refuse Destructor Works, and sold.

During the year, the undermentioned materials were sold, receipts amounting to £680.17.2d.

Paper, 64½ tons; Rags, 5 tons; Ferrous Metals, 62 tons; Non-Ferrous Metals, 14½ tons.

The following lorry loads of refuse were collected:-

827 loads house refuse, 428 loads trade refuse, and 132 loads shop refuse.





III.(iii) SANITARY INSPECTION OF THE AREA. The following tabular statement has been supplied to me by Mr. Penistone.

Dwelling Houses.

Number of dwelling houses inspected under Public Health or Housing Acts .. .. .	372	824
Total number of inspections and re-inspections thereunder		
Number of houses inspected after Infectious Disease	8	
Infectious Disease visits and re-visits .. ..		15
Houses visited re overcrowding .. .. .	26	
Number of visits paid .. .. .		34
Number of verminous houses inspected .. ..	13	
Visits and re-visits paid re verminous premises ..		88
Miscellaneous Housing Visits .. .. .		134

Various Inspections.

Visits re Water Supply .. .. .	64
Bacteriological samples of water from Well at Southfields Pumping Station .. .. .	32
Bacteriological Samples of Water from Mains .. ..	31
Swimming Pool, Inspections .. .. .	24
Swimming Pool, Water Samples .. .. .	12
Inspections re choked and/or defective drains, examination of new drains, drain testing .. ..	138
Inspections of Fried Fish Shops .. .. .	8
Visits re Movable Dwellings .. .. .	4
Inspection of Factories .. .. .	25
Bakehouses .. .. .	5
Public Conveniences .. .. .	5
Visits re Rats and Mice (in addition to Rodent Officer)	59
Smoke Observations .. .. .	5
Schools .. .. .	14
Shops Act .. .. .	5
Visits to Slaughterhouse for Meat Inspection .. ..	438
Visits re Meat Inspection at Shops, Stores, etc. ..	48
Visits to Butchers Shops .. .. .	26
Visits to Fishmongers .. .. .	10
Visits to Grocers and Greengrocers .. .. .	43
Visits to Cowsheds .. .. .	13
Visits to Dairies and Milkshops .. .. .	43
Visits to Ice-Cream Premises .. .. .	24
Visits to Restaurants and Cafes .. .. .	7
Visits to other Food Premises and Markets .. ..	87
Visits re Milk Sampling .. .. .	36
Miscellaneous Food Visits .. .. .	5
Miscellaneous Sanitary Visits .. .. .	63
Visits re Petroleum and Explosives .. .. .	26

Number of Informal Notices Served in 1947 .. ..	222
Number of Informal Notices Outstanding from 1946 ..	35
Number of Informal Notices Complied with .. ..	210
Number of Statutory Notices served in 1947 .. ..	23
Number of Statutory Notices Complied with .. ..	
(a) by owners .. .. .	16
(b) by local authority in default of owners ..	2
Number of Statutory Notices Outstanding at 31st December, 1947	5



THE (111) SURFACE OF SILICON  
HAS BEEN STUDIED BY X-RAY  
SCATTERING AND PHOTOELECTRON  
SPECTROSCOPY.

#### EXPERIMENTAL

Single crystals of silicon were prepared by the  
Czochralski method and were cut into  
rectangular plates of size 1 cm x 1 cm x 0.5 cm.  
The surfaces were etched in a solution of  
hydrofluoric acid (40% w/w) in water for  
10 minutes and then rinsed in distilled water.  
The samples were then dried in a vacuum oven  
at 100°C for 24 hours.

#### RESULTS AND DISCUSSION

The X-ray diffraction pattern of the  
silicon (111) surface was measured at  
room temperature. The pattern showed  
a series of sharp peaks at the following  
positions (in degrees 2θ): 19.1, 22.8,  
26.6, 30.4, 34.2, 38.0, 41.8, 45.6,  
49.4, 53.2, 57.0, 60.8, 64.6, 68.4,  
72.2, 76.0, 79.8, 83.6, 87.4, 91.2,  
95.0, 98.8, 102.6, 106.4, 110.2,  
114.0, 117.8, 121.6, 125.4, 129.2,  
133.0, 136.8, 140.6, 144.4, 148.2,  
152.0, 155.8, 159.6, 163.4, 167.2,  
171.0, 174.8, 178.6, 182.4, 186.2,  
190.0, 193.8, 197.6, 201.4, 205.2,  
209.0, 212.8, 216.6, 220.4, 224.2,  
228.0, 231.8, 235.6, 239.4, 243.2,  
247.0, 250.8, 254.6, 258.4, 262.2,  
266.0, 269.8, 273.6, 277.4, 281.2,  
285.0, 288.8, 292.6, 296.4, 300.2,  
304.0, 307.8, 311.6, 315.4, 319.2,  
323.0, 326.8, 330.6, 334.4, 338.2,  
342.0, 345.8, 349.6, 353.4, 357.2,  
361.0, 364.8, 368.6, 372.4, 376.2,  
380.0, 383.8, 387.6, 391.4, 395.2,  
399.0, 402.8, 406.6, 410.4, 414.2,  
418.0, 421.8, 425.6, 429.4, 433.2,  
437.0, 440.8, 444.6, 448.4, 452.2,  
456.0, 459.8, 463.6, 467.4, 471.2,  
475.0, 478.8, 482.6, 486.4, 490.2,  
494.0, 497.8, 501.6, 505.4, 509.2,  
513.0, 516.8, 520.6, 524.4, 528.2,  
532.0, 535.8, 539.6, 543.4, 547.2,  
551.0, 554.8, 558.6, 562.4, 566.2,  
570.0, 573.8, 577.6, 581.4, 585.2,  
589.0, 592.8, 596.6, 600.4, 604.2,  
608.0, 611.8, 615.6, 619.4, 623.2,  
627.0, 630.8, 634.6, 638.4, 642.2,  
646.0, 649.8, 653.6, 657.4, 661.2,  
665.0, 668.8, 672.6, 676.4, 680.2,  
684.0, 687.8, 691.6, 695.4, 699.2,  
703.0, 706.8, 710.6, 714.4, 718.2,  
722.0, 725.8, 729.6, 733.4, 737.2,  
741.0, 744.8, 748.6, 752.4, 756.2,  
760.0, 763.8, 767.6, 771.4, 775.2,  
779.0, 782.8, 786.6, 790.4, 794.2,  
798.0, 801.8, 805.6, 809.4, 813.2,  
817.0, 820.8, 824.6, 828.4, 832.2,  
836.0, 839.8, 843.6, 847.4, 851.2,  
855.0, 858.8, 862.6, 866.4, 870.2,  
874.0, 877.8, 881.6, 885.4, 889.2,  
893.0, 896.8, 900.6, 904.4, 908.2,  
912.0, 915.8, 919.6, 923.4, 927.2,  
931.0, 934.8, 938.6, 942.4, 946.2,  
950.0, 953.8, 957.6, 961.4, 965.2,  
969.0, 972.8, 976.6, 980.4, 984.2,  
988.0, 991.8, 995.6, 999.4, 1003.2,  
1007.0, 1010.8, 1014.6, 1018.4, 1022.2,  
1026.0, 1029.8, 1033.6, 1037.4, 1041.2,  
1045.0, 1048.8, 1052.6, 1056.4, 1060.2,  
1064.0, 1067.8, 1071.6, 1075.4, 1079.2,  
1083.0, 1086.8, 1090.6, 1094.4, 1098.2,  
1102.0, 1105.8, 1109.6, 1113.4, 1117.2,  
1121.0, 1124.8, 1128.6, 1132.4, 1136.2,  
1140.0, 1143.8, 1147.6, 1151.4, 1155.2,  
1159.0, 1162.8, 1166.6, 1170.4, 1174.2,  
1178.0, 1181.8, 1185.6, 1189.4, 1193.2,  
1197.0, 1200.8, 1204.6, 1208.4, 1212.2,  
1216.0, 1219.8, 1223.6, 1227.4, 1231.2,  
1235.0, 1238.8, 1242.6, 1246.4, 1250.2,  
1254.0, 1257.8, 1261.6, 1265.4, 1269.2,  
1273.0, 1276.8, 1280.6, 1284.4, 1288.2,  
1292.0, 1295.8, 1299.6, 1303.4, 1307.2,  
1311.0, 1314.8, 1318.6, 1322.4, 1326.2,  
1330.0, 1333.8, 1337.6, 1341.4, 1345.2,  
1349.0, 1352.8, 1356.6, 1360.4, 1364.2,  
1368.0, 1371.8, 1375.6, 1379.4, 1383.2,  
1387.0, 1390.8, 1394.6, 1398.4, 1402.2,  
1406.0, 1409.8, 1413.6, 1417.4, 1421.2,  
1425.0, 1428.8, 1432.6, 1436.4, 1440.2,  
1444.0, 1447.8, 1451.6, 1455.4, 1459.2,  
1463.0, 1466.8, 1470.6, 1474.4, 1478.2,  
1482.0, 1485.8, 1489.6, 1493.4, 1497.2,  
1501.0, 1504.8, 1508.6, 1512.4, 1516.2,  
1520.0, 1523.8, 1527.6, 1531.4, 1535.2,  
1539.0, 1542.8, 1546.6, 1550.4, 1554.2,  
1558.0, 1561.8, 1565.6, 1569.4, 1573.2,  
1577.0, 1580.8, 1584.6, 1588.4, 1592.2,  
1596.0, 1599.8, 1603.6, 1607.4, 1611.2,  
1615.0, 1618.8, 1622.6, 1626.4, 1630.2,  
1634.0, 1637.8, 1641.6, 1645.4, 1649.2,  
1653.0, 1656.8, 1660.6, 1664.4, 1668.2,  
1672.0, 1675.8, 1679.6, 1683.4, 1687.2,  
1691.0, 1694.8, 1698.6, 1702.4, 1706.2,  
1710.0, 1713.8, 1717.6, 1721.4, 1725.2,  
1729.0, 1732.8, 1736.6, 1740.4, 1744.2,  
1748.0, 1751.8, 1755.6, 1759.4, 1763.2,  
1767.0, 1770.8, 1774.6, 1778.4, 1782.2,  
1786.0, 1789.8, 1793.6, 1797.4, 1801.2,  
1805.0, 1808.8, 1812.6, 1816.4, 1820.2,  
1824.0, 1827.8, 1831.6, 1835.4, 1839.2,  
1843.0, 1846.8, 1850.6, 1854.4, 1858.2,  
1862.0, 1865.8, 1869.6, 1873.4, 1877.2,  
1881.0, 1884.8, 1888.6, 1892.4, 1896.2,  
1900.0, 1903.8, 1907.6, 1911.4, 1915.2,  
1919.0, 1922.8, 1926.6, 1930.4, 1934.2,  
1938.0, 1941.8, 1945.6, 1949.4, 1953.2,  
1957.0, 1960.8, 1964.6, 1968.4, 1972.2,  
1976.0, 1979.8, 1983.6, 1987.4, 1991.2,  
1995.0, 1998.8, 2002.6, 2006.4, 2010.2,  
2014.0, 2017.8, 2021.6, 2025.4, 2029.2,  
2033.0, 2036.8, 2040.6, 2044.4, 2048.2,  
2052.0, 2055.8, 2059.6, 2063.4, 2067.2,  
2071.0, 2074.8, 2078.6, 2082.4, 2086.2,  
2090.0, 2093.8, 2097.6, 2101.4, 2105.2,  
2109.0, 2112.8, 2116.6, 2120.4, 2124.2,  
2128.0, 2131.8, 2135.6, 2139.4, 2143.2,  
2147.0, 2150.8, 2154.6, 2158.4, 2162.2,  
2166.0, 2169.8, 2173.6, 2177.4, 2181.2,  
2185.0, 2188.8, 2192.6, 2196.4, 2200.2,  
2204.0, 2207.8, 2211.6, 2215.4, 2219.2,  
2223.0, 2226.8, 2230.6, 2234.4, 2238.2,  
2242.0, 2245.8, 2249.6, 2253.4, 2257.2,  
2261.0, 2264.8, 2268.6, 2272.4, 2276.2,  
2280.0, 2283.8, 2287.6, 2291.4, 2295.2,  
2299.0, 2302.8, 2306.6, 2310.4, 2314.2,  
2318.0, 2321.8, 2325.6, 2329.4, 2333.2,  
2337.0, 2340.8, 2344.6, 2348.4, 2352.2,  
2356.0, 2359.8, 2363.6, 2367.4, 2371.2,  
2375.0, 2378.8, 2382.6, 2386.4, 2390.2,  
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5681.0, 5684.8, 5688.6, 5692.4, 5696.2,  
5700.0, 5703.8, 5707.6, 5711.4, 5715

Work done after service of Notices.

	<u>Informal.</u>	<u>Formal</u> <u>By Owners.</u>	<u>Formal by</u> <u>Local</u> <u>Authority.</u>
Roofs repaired	19	-	-
Defective walls repaired	10	-	-
Floors repaired	2	-	-
Ceilings repaired	6	-	-
Windows repaired	1	-	-
Fireplaces, ovens, cooking ranges repaired or renewed	8	-	-
Washing coppers renewed	2	-	-
Eaves gutters and rainwater pipes repaired	1	-	-
Water closets repaired or cleansed	20	-	-
Drains cleansed	27	-	-
Drains repaired	7	-	-
Ashpits abolished	1	-	-
Miscellaneous housing repairs	9	-	-
Houses cleansed	3	-	-
Houses disinfested	2	-	-
Offensive accumulations removed	1	-	-
New dust-bins provided	98	16	2
Ventilated Space constructed between factory and sanitary conveniences	1	-	-
Fried Fish Shop cleansed	1	-	-
Bakehouse cleansed and limewashed	1	-	-
	<u>220</u>	<u>16</u>	<u>2</u>

Factory Act, 1937.

Inspections for purposes of provisions as to health.

Premises.	Number on Register.	Number of		
		Inspections.	Written Notices.	Occupiers Prosecuted.
(i) Factories in which Sections 1,2,3,4 & 6 are to be enforced by Local Authorities.	33	3	-	-
(ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority.	45	22	2	-
(iii) Other Premises in which Section 7 is enforced by the Local Authority * (excluding out-workers' premises)	-	-	-	-
TOTAL:	78	25	2	-

\* i.e. Electrical Stations (Section 103 (1) ), Institutions.

(Section 104) and sites of Building Operations and Works of  
Engineering Construction (Sections 107 and 108).

Number	Name	Address	City	State	Zip
1	John Doe	123 Main St	New York	NY	10001
2	Jane Smith	456 Elm St	Los Angeles	CA	90001
3	Robert Brown	789 Oak St	Chicago	IL	60601
4	Mary White	101 Pine St	San Francisco	CA	94101
5	James Black	202 Cedar St	Philadelphia	PA	19101
6	Elizabeth Green	303 Birch St	Washington	DC	20001
7	William Hall	404 Spruce St	Boston	MA	02101
8	Patricia King	505 Ash St	Seattle	WA	98101
9	Richard Lee	606 Hickory St	Portland	ME	04101
10	Susan Miller	707 Walnut St	Denver	CO	80201
11	Thomas Wilson	808 Maple St	San Diego	CA	92101
12	Linda Taylor	909 Cedar St	Phoenix	AZ	85001
13	Christopher Evans	1010 Oak St	San Jose	CA	95101
14	Amanda Harris	1111 Pine St	San Antonio	TX	78201
15	Matthew Clark	1212 Elm St	Fort Worth	TX	76101
16	Stephanie Lewis	1313 Oak St	Dallas	TX	75201
17	Jonathan Walker	1414 Pine St	Austin	TX	78701
18	Karen Young	1515 Elm St	San Marcos	CA	92061
19	Benjamin Adams	1616 Oak St	San Luis Obispo	CA	93401
20	Rebecca Baker	1717 Pine St	Stockton	CA	95201
21	Gregory Nelson	1818 Elm St	Modesto	CA	95351
22	Christina Hill	1919 Oak St	Merced	CA	95341
23	Andrew Scott	2020 Pine St	Yuba City	TX	75601
24	Michelle Carter	2121 Elm St	Visalia	CA	93271
25	Kevin Mitchell	2222 Oak St	Wasco	CA	93280
26	Angela Perez	2323 Pine St	Arvin	CA	93203
27	Christopher Roberts	2424 Elm St	Corcoran	CA	93217
28	Victoria Turner	2525 Oak St	Wasco	CA	93280
29	Timothy Phillips	2626 Pine St	Arvin	CA	93203
30	Heather Campbell	2727 Elm St	Corcoran	CA	93217
31	Jonathan Parker	2828 Oak St	Wasco	CA	93280
32	Kimberly Evans	2929 Pine St	Arvin	CA	93203
33	Christopher King	3030 Elm St	Corcoran	CA	93217
34	Stephanie Lee	3131 Oak St	Wasco	CA	93280
35	Benjamin Hall	3232 Pine St	Arvin	CA	93203
36	Rebecca Adams	3333 Elm St	Corcoran	CA	93217
37	Gregory Baker	3434 Oak St	Wasco	CA	93280
38	Christina Nelson	3535 Pine St	Arvin	CA	93203
39	Timothy Hill	3636 Elm St	Corcoran	CA	93217
40	Heather Scott	3737 Oak St	Wasco	CA	93280
41	Jonathan Carter	3838 Pine St	Arvin	CA	93203
42	Kimberly Mitchell	3939 Elm St	Corcoran	CA	93217
43	Christopher Perez	4040 Oak St	Wasco	CA	93280
44	Victoria Roberts	4141 Pine St	Arvin	CA	93203
45	Timothy King	4242 Elm St	Corcoran	CA	93217
46	Heather Lee	4343 Oak St	Wasco	CA	93280
47	Benjamin Hall	4444 Pine St	Arvin	CA	93203
48	Rebecca Adams	4545 Elm St	Corcoran	CA	93217
49	Gregory Baker	4646 Oak St	Wasco	CA	93280
50	Christina Nelson	4747 Pine St	Arvin	CA	93203

Page 1 of 1

Section	Description	Amount	Date
(1) Section 1	Section 1 Description	100.00	1/1/60
(2) Section 2	Section 2 Description	200.00	2/1/60
(3) Section 3	Section 3 Description	300.00	3/1/60
(4) Section 4	Section 4 Description	400.00	4/1/60
(5) Section 5	Section 5 Description	500.00	5/1/60
(6) Section 6	Section 6 Description	600.00	6/1/60
(7) Section 7	Section 7 Description	700.00	7/1/60
(8) Section 8	Section 8 Description	800.00	8/1/60
(9) Section 9	Section 9 Description	900.00	9/1/60
(10) Section 10	Section 10 Description	1000.00	10/1/60
(11) Section 11	Section 11 Description	1100.00	11/1/60
(12) Section 12	Section 12 Description	1200.00	12/1/60
(13) Section 13	Section 13 Description	1300.00	1/1/61
(14) Section 14	Section 14 Description	1400.00	2/1/61
(15) Section 15	Section 15 Description	1500.00	3/1/61
(16) Section 16	Section 16 Description	1600.00	4/1/61
(17) Section 17	Section 17 Description	1700.00	5/1/61
(18) Section 18	Section 18 Description	1800.00	6/1/61
(19) Section 19	Section 19 Description	1900.00	7/1/61
(20) Section 20	Section 20 Description	2000.00	8/1/61
(21) Section 21	Section 21 Description	2100.00	9/1/61
(22) Section 22	Section 22 Description	2200.00	10/1/61
(23) Section 23	Section 23 Description	2300.00	11/1/61
(24) Section 24	Section 24 Description	2400.00	12/1/61
(25) Section 25	Section 25 Description	2500.00	1/1/62
(26) Section 26	Section 26 Description	2600.00	2/1/62
(27) Section 27	Section 27 Description	2700.00	3/1/62
(28) Section 28	Section 28 Description	2800.00	4/1/62
(29) Section 29	Section 29 Description	2900.00	5/1/62
(30) Section 30	Section 30 Description	3000.00	6/1/62
(31) Section 31	Section 31 Description	3100.00	7/1/62
(32) Section 32	Section 32 Description	3200.00	8/1/62
(33) Section 33	Section 33 Description	3300.00	9/1/62
(34) Section 34	Section 34 Description	3400.00	10/1/62
(35) Section 35	Section 35 Description	3500.00	11/1/62
(36) Section 36	Section 36 Description	3600.00	12/1/62
(37) Section 37	Section 37 Description	3700.00	1/1/63
(38) Section 38	Section 38 Description	3800.00	2/1/63
(39) Section 39	Section 39 Description	3900.00	3/1/63
(40) Section 40	Section 40 Description	4000.00	4/1/63
(41) Section 41	Section 41 Description	4100.00	5/1/63
(42) Section 42	Section 42 Description	4200.00	6/1/63
(43) Section 43	Section 43 Description	4300.00	7/1/63
(44) Section 44	Section 44 Description	4400.00	8/1/63
(45) Section 45	Section 45 Description	4500.00	9/1/63
(46) Section 46	Section 46 Description	4600.00	10/1/63
(47) Section 47	Section 47 Description	4700.00	11/1/63
(48) Section 48	Section 48 Description	4800.00	12/1/63
(49) Section 49	Section 49 Description	4900.00	1/1/64
(50) Section 50	Section 50 Description	5000.00	2/1/64

Section 51: Section 51 Description, Amount: 5100.00, Date: 3/1/64  
Section 52: Section 52 Description, Amount: 5200.00, Date: 4/1/64  
Section 53: Section 53 Description, Amount: 5300.00, Date: 5/1/64  
Section 54: Section 54 Description, Amount: 5400.00, Date: 6/1/64  
Section 55: Section 55 Description, Amount: 5500.00, Date: 7/1/64  
Section 56: Section 56 Description, Amount: 5600.00, Date: 8/1/64  
Section 57: Section 57 Description, Amount: 5700.00, Date: 9/1/64  
Section 58: Section 58 Description, Amount: 5800.00, Date: 10/1/64  
Section 59: Section 59 Description, Amount: 5900.00, Date: 11/1/64  
Section 60: Section 60 Description, Amount: 6000.00, Date: 12/1/64



Cases in which defects were found.

Particulars.	Number of cases in which defects were found.				No. of cases in which prosecutions were instituted.
	Found.	Remedied.	REFERRED To H.M. Inspector.	By H.M. Inspector.	
Want of cleanliness (S.1)	1	1	-	-	-
Sanitary Conveniences(S.7)					
Unsuitable or defective	2	1	-	1	-
TOTAL:	3	2	-	1	-

(iv) SHOPS AND OFFICES. 5 inspections relating to the provisions of the Shops Act, 1934, were made. No action was required.

(v) CAMPING SITES. There are no licenced camping sites in the district. During the year two applications were made for licences to use sites for moveable dwellings. In each case the application was not for camping purposes, but it was intended that the caravans would be stationed permanently on the sites and used as dwellings. The applications were refused.

(vi) SMOKE ABATEMENT. Five observations were made on a laundry chimney and in each case the emission of dense black smoke was more than 3 minutes in a half hour period. The premises were visited and it was found that a hand fired Cochran boiler was being forced in order to supply the steam demand. Difficulties also arose because of the varying quality of the fuel available. The owners sought the advice of a consultant boiler engineer and have ordered a complete new boiler plant with mechanical stoker, but delivery is not expected for 3 years.

Methods of firing were discussed with the boiler house staff and notes on efficient methods of hand firing were supplied for their guidance, after which there was a noticeable improvement and smoke emission was reduced.

(vii) SWIMMING BATHS AND POOLS. At the Council owned open-air modern swimming pool a Bell horizontal sand filter and suitable chlorination plant treat the water which is obtained from the Newmarket Water Company's Mains.

Twelve samples of the swimming pool water were taken for bacteriological examination, of which ten were reported as satisfactory. After each of the two doubtful samples immediate steps were taken to increase the chlorination of the water.

The premises were also visited at least weekly during the season and inspected regarding the cleanliness of dressing boxes, sanitary accommodation and pool surroundings.

Owing to the exceptionally warm season, the facilities available at the swimming pool were much in demand and were greatly appreciated by the public. During the five months in which the pool was open (May to September) the number of tickets sold was 28,720. In addition there were 97 season ticket holders and the pool was used regularly by several schools.





(viii) ERADICATION OF BED BUGS. As recorded in the table supplied by Mr. Penistone under "Sanitary Inspection of the Area", 13 verminous houses (all non-council houses) were inspected during the year. These comprised 8 houses infested with bed bugs, 2 houses with fleas, 2 with cockroaches and 1 with earwigs.

The premises and furniture in the eight houses found to be infested with bed bugs were treated with Zaldecide containing D.D.T. by the Council's staff. This treatment proved efficacious and subsequent re-visits confirmed that no re-infestation had occurred. The two disinfested of fleas by the Council's staff were treated in similar fashion with equally satisfactory results, whilst the two houses infested with cockroaches and the one house with earwigs were treated by the Council's staff with insecticide powder.

It is a routine procedure that all prospective tenants for new council houses are visited in order that the dwelling they are in, and their furniture, shall be inspected and if necessary freed from bedbugs or other vermin infestation before they are moved into a new council house. Fifty-one such tenants were visited during the year and these visits produced two of the eight cases of bed bug infestation described above.

(ix) RATS AND MICE. The Council continued to employ two operators on the work of rodent destruction. The systematic treatment of the district commenced in 1946, was continued block by block and the block scheme was completed in June 1947, following which a charge was made to the occupiers.

The sewers received two maintenance treatments during the year. Very little rat infestation was found in the sewers. During the second maintenance treatment it was only necessary to lay poison in 3 manholes.

The Sewage and Refuse Disposal Works were treated on seven occasions and 253 rat bodies were found.

Extreme care is taken in the treatment of racing stables to exclude any possibility that a racehorse should gain access to any poison. Treatment is limited by the fact that no poison can be laid in an occupied horse box or where there is a possibility of contaminating horse feeding stuffs. Despite trainers' understandable reluctance to incur any risk of poison to their valuable blood-stock, no less than 27 racing establishments during 1947 were persuaded to allow the Council's Operators to carry out treatment for rodent destruction. These 27 treatments were all carried out without any untoward effect, and from the number of rat bodies found it is apparent that much valuable disinfection resulted. This encourages us to expect that further trainers will avail themselves of this service.

Summary of Treatments carried out.

<u>Type of Premises.</u>	<u>No. of Treatments.</u>	<u>Rat Bodies Found.</u>
Dwelling Houses	330	414
Shops and other Business Premises (including 26 premises where food is prepared, stored, or sold)	42	142
Racing Stables	27	311
Sewage or Refuse Disposal Works	7	253
Miscellaneous	7	57
	<u>413</u>	<u>1,177</u>

IV. SCHOOLS. The washing and sanitary accommodation was examined during 14 inspections. A choked drain at one school was cleansed, and new drains at two schools were examined and a water test applied.



THE UNIVERSITY OF CHICAGO  
DIVISION OF THE PHYSICAL SCIENCES  
DEPARTMENT OF CHEMISTRY  
CHICAGO, ILLINOIS 60637

TO THE EDITOR:  
I am writing to you to inform you of the results of our recent experiments. The data show a clear trend in the reaction rate, which is consistent with the theoretical predictions. We have also observed some interesting side reactions that we are currently investigating.

The reaction rate was measured under various conditions of temperature and concentration. The results indicate that the rate increases with temperature and decreases with increasing concentration of the reactants. This behavior is typical for an exothermic reaction.

We have also observed that the reaction rate is affected by the presence of certain catalysts. These catalysts appear to lower the activation energy of the reaction, thereby increasing the rate. We are currently working on identifying the active species of these catalysts.

The experimental setup used in these studies was a standard flow system. The reactants were mixed in a stirred tank reactor, and the reaction mixture was then passed through a series of columns to separate the products. The products were then analyzed using gas chromatography and mass spectrometry.

The data obtained from these experiments are being analyzed and will be published in the near future. We are grateful for your interest in our work and for the support provided by the National Science Foundation. We hope that these results will contribute to the understanding of the reaction mechanism and the role of catalysts in this system.

Sincerely,  
[Signature]  
[Name]  
[Title]  
[Department]  
[University]

Enclosed for you are two copies of the manuscript of our paper. One copy is for your personal files, and the other is for the library. We would appreciate it if you could let us know when you receive the manuscript and if you have any comments or suggestions.

SECTION D.

HOUSING.

1. (i) (a) Total number of dwelling-houses inspected for housing defects (under Public Health or Housing Acts)	372
(b) Number of inspections made for the purpose	824
(ii) (a) Number of dwelling-houses (included under sub-head (i) above) which were inspected and recorded under the Housing Consolidated Regulations, 1925.	104
(b) Number of inspections made for the purpose.	104
(iii) Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation.	28
(iv) Number of dwelling-houses (exclusive of those referred to under the preceding sub-head) found not to be in all respects reasonably fit for human habitation.	240
2. <u>Remedy of Defects during the year without service of formal notices:-</u>	
Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their officers.	164
3. <u>Action under Statutory Powers during the year:-</u>	
(a) Proceedings under Sections 9, 10 and 16 of the Housing Act, 1936:	
(1) Number of dwelling-houses in respect of which notices were served requiring repairs.	Nil
(2) Number of dwelling-houses which were rendered fit after service of formal notices:-	
(a) By Owners	Nil
(b) By Local Authority in default of Owners	Nil
(b) <u>Proceedings under Public Health Acts.</u>	
(1) Number of dwelling-houses in respect of which notices were served requiring defects to be remedied	23
(2) Number of dwelling-houses in which defects were remedied after service of formal notices	
(a) By Owners	16
(b) By Local Authority in default of Owners	2
(c) <u>Proceedings under Section 11 and 13 of the Housing Act, 1936.</u>	
(1) Number of dwelling-houses in respect of which Demolition Orders were made.	Nil
(2) Number of dwelling-houses demolished in pursuance of Demolition Orders.	Nil
(d) <u>Proceedings under Section 12 of the Housing Act, 1936.</u>	Nil

1. The first part of the report deals with the general situation of the country and the progress of the work during the year. It is divided into two main sections: (a) the general situation and (b) the progress of the work.

2. The second part of the report deals with the results of the work during the year. It is divided into two main sections: (a) the results of the work and (b) the conclusions drawn from the results.

3. The third part of the report deals with the financial statement of the work during the year. It is divided into two main sections: (a) the financial statement and (b) the conclusions drawn from the financial statement.

4. The fourth part of the report deals with the general conclusions drawn from the work during the year. It is divided into two main sections: (a) the general conclusions and (b) the conclusions drawn from the financial statement.

5. The fifth part of the report deals with the general conclusions drawn from the work during the year. It is divided into two main sections: (a) the general conclusions and (b) the conclusions drawn from the financial statement.

6. The sixth part of the report deals with the general conclusions drawn from the work during the year. It is divided into two main sections: (a) the general conclusions and (b) the conclusions drawn from the financial statement.

7. The seventh part of the report deals with the general conclusions drawn from the work during the year. It is divided into two main sections: (a) the general conclusions and (b) the conclusions drawn from the financial statement.

8. The eighth part of the report deals with the general conclusions drawn from the work during the year. It is divided into two main sections: (a) the general conclusions and (b) the conclusions drawn from the financial statement.

9. The ninth part of the report deals with the general conclusions drawn from the work during the year. It is divided into two main sections: (a) the general conclusions and (b) the conclusions drawn from the financial statement.

10. The tenth part of the report deals with the general conclusions drawn from the work during the year. It is divided into two main sections: (a) the general conclusions and (b) the conclusions drawn from the financial statement.



4. Housing Act, 1936 - Part IV - Overcrowding.

(a) (i) Number of dwellings overcrowded at the end of the year	17
(ii) Number of families dwelling therein	27
(iii) Number of persons dwelling therein.	139
(b) Number of new cases of overcrowding reported during the year.	8
(c) (i) Number of cases of overcrowding relieved during the year.	9
(ii) Number of persons concerned in such cases.	57
(d) Particulars of any cases in which dwellinghouses have again become overcrowded after the Local Authority having taken steps for the abatement of overcrowding.	Nil

At the end of 1947 the position with regard to the provision of new dwellings was as follows:-

1. PROVIDED BY THE LOCAL AUTHORITY.

(a) Main Programme.

	<u>Completed at</u> <u>1 Jan. 1947.</u>	<u>Completed</u> <u>during</u> <u>year.</u>	<u>Under</u> <u>Construc-</u> <u>tion.</u>	<u>Total.</u>
Prefabricated Bungalows.	35	15	-	50
Permanent houses by Traditional Method (3 bedroom)	Nil	34	30	64
Permanent Houses by Non-Traditional Method (3 bedroom)	Nil	Nil	88	88
(4 bedroom)	Nil	Nil	12	12

- (b) Conversion of Requisitioned Houses. 5 additional family units were housed during the year, making a total of 30 family units provided with living accommodation by this method. 214

2. PROVIDED BY PRIVATE ENTERPRISE.

(a) New Houses.

- (i) 5 new houses were completed during the year, making a total of 8 provided by private enterprise in the post war period.
- (ii) 3 new houses under construction

(b) Conversions and adaptations.

- (i) 20 completed during the year (This makes 25 family units accommodated by this method since the end of the war)
- (ii) 15 under construction

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The Council has been unable, owing to the embargo on the building of new houses, to construct a further fifty houses, which would have completed the Heath Lodge Building Estate. The inability of private persons to continue the work of building houses has also retarded efforts to provide new houses which are so much needed.

In summary, therefore, 79 families were provided with accommodation during 1947. For the period between the end of the war and 31st December, 1947, viz:- two and a half years, 147 homes have been provided and a further 148 homes are under construction.

No one believes that this provision is other than a fig leaf coverment for the housing needs of the district, for at the end of 1947 there were still over 800 applicants for houses on the Council's Register, of which at least 500 were persons with family responsibilities, and the remaining 300 including persons who do not work or live in the district, single men applicants, widows with little means of support and old men whose families have left them living alone.

Whilst, however, this is but fig leaf coverment, it does represent a very real, concerted, active and vigorous endeavour on the part of the Council, and especially its Housing Committee. The Housing Chairman, Councillor D. L. Ede, has been the spear head of this endeavour and has brought to bear all his practical experience of trade union conditions, regulations and requirements, in addition to unflagging enthusiasm and complete sacrifice of all private time. The members of his Housing Committee gave him their unqualified support, and other divisions and committees of the Council have endeavoured to further the good efforts of this Committee, as for example by the conservation of labour and building materials for council house work by what must often have appeared to be very drastic curtailment of the issuing of licences for private building as also by prompt and detailed consideration of Town Planning features.





The Council, as reported in my previous Annual Report, have insisted that all their officers make housing an absolute first priority. Mr. John Crabb, Clerk to the Council, with unflagging perseverance resolved many authorisation hold-ups; Mr. F. B. Waterfall, now whole-time Surveyor to the Authority, drove forward the necessary site preparations, whilst Mr. H. G. Kennion, the whole-time Architect to the Council, has assiduously devoted himself to creating as many attractive houses as possible. The Council and these Officers now can see at Heath Lodge Estate a worthy memorial to their endeavours - the magnitude of which can only be fully appreciated by persons who have attempted, in these times, a similar project.

Whilst the Council have this worthy memorial, they no doubt also have many unenlightened critics. Housing shortage is a dreadful affair and difficult patiently to tolerate.

As an example of the Council's desire to provide houses and then allocate them with impartial wisdom and thus promote a good relationship between the tenants and Council, reference should be made to the appointing of a whole-time Welfare Officer, Miss D. V. Nicholls, A.I.H., who commenced duties on the 1st November, 1947. This Officer is responsible for the keeping of records, including a register of all applicants for accommodation, scrutinising of completed application forms and checking in accordance with the Council's Point Scheme. The Housing Welfare Officer interviews applicants, investigates their circumstances and home conditions and personally presents a report to the House Letting Committee who thus have up-to-date and adequate information concerning all applicants before a house is allocated.

Assisted by this Officer the Committee have done much to relieve unsatisfactory housing conditions by arranging the transfer of tenants from pre-war council estates to the new houses at Heath Lodge Estate, rented at 25/- per week, thereby allowing persons who are unable to afford this rent to be removed from insanitary dwellings to pre-war council houses at a rent within their means. The Housing Welfare Officer has also arranged for young childless couples to share a new house with a chosen friend in a similar position. She has paid social visits to tenants in the council houses and in converted requisitioned property, advised on the use of modern fittings in the house, given explanation concerning the tenancy regulations and offered encouragement with gardens and home management and thus done much to ensure that the council house tenants settle comfortably and happily as good tenants in the houses provided for them by the Council with such prodigious effort.

The Council, as previously stated, is composed of the following members: the President, the Vice-President, the Secretary, the Treasurer, and the members of the Executive Committee. The Council is responsible for the general management of the Association and for the execution of the resolutions of the General Assembly. The Council meets regularly at the headquarters of the Association, and its decisions are binding on all members of the Association. The Council is also responsible for the financial management of the Association and for the preparation of the annual budget. The Council is composed of representatives of the various branches of the Association, and its decisions are made by a majority vote. The Council is the highest governing body of the Association, and its decisions are final and binding on all members of the Association.



## SECTION E.

## INSPECTION AND SUPERVISION OF FOOD.

- (a) MILK SUPPLY. 34 samples of milk were taken with results as tabulated below. The appropriate action was taken in regard to each unsatisfactory sample.

MILK Nature of Sample	No. of Samples.	PHOSPHATASE TEST.		METHYLENE BLUE TEST.		B. COLI EXAMINATION.		Total No. of Samples Un- satisfactory.
		Satisfactory.	Unsatisfactory.	Satisfactory.	Unsatisfactory.	Satisfactory.	Unsatisfactory.	
Pasteur- ised.	13	13	-	12	1	-	-	1
Tuberculin Tested (Certified)	1	-	-	-	1	-	1	1
Raw - Ungraded.	20	-	-	15	5	13	7	9
<b>TOTAL:</b>	<b>34</b>	<b>13</b>	<b>-</b>	<b>27</b>	<b>7</b>	<b>13</b>	<b>8</b>	<b>11</b>

- (b) MEAT AND OTHER FOODS. All meat is slaughtered at the Government controlled slaughterhouse in the town and examined before distribution to the various retailers in Newmarket and the surrounding district. Every effort has been made to maintain a 100% inspection of all carcasses, which necessitated 438 visits to the slaughterhouse, many of which were made in the evenings after normal office hours.

Particulars of condemned meat, etc.Beats.

Whole carcasses	31
Parts of carcasses	39
Heads & Tongues	151
Lungs	362
Hearts	10
Livers	421
Kidneys	14
Skirts	32
Spleens	27
Stomachs	20
Mesenteries	38
Udders	20

Pigs.

Whole carcasses	3
Parts of carcasses	6
Heads	3
Lungs	15
Kidneys	4

Calves.

Whole carcasses	5
Parts of carcasses	1
Lungs	1

Sheep and Lambs.

Whole carcasses	13
Parts of carcasses	2
Livers	14
Lungs	4
Plucks	2
Heads	1

Total weight of Meat and Offals condemned:-

15 tons 19 cwt 2 qrs 5 lbs.





CARCASES INSPECTED AND CONDEMNED.

	<u>Total.</u>	<u>Cattle</u> <u>excluding</u> <u>Cows.</u>	<u>Cows.</u>	<u>Calves.</u>	<u>Sheep</u> <u>&amp; Lambs.</u>	<u>Pigs.</u>
Number killed and inspected.	5,489	1,220	346	356	3,369	198
(All Diseases except Tuberculosis)						
Whole carcasses condemned		4	5	4	13	-
Carcasses of which some part or organ was condemned	393		122	2	19	25
Percentage of the number inspected affected with disease other than Tuberculosis.	32.53%		36.71%	1.67%	0.95%	12.63%
(Tuberculosis only)						
Whole carcasses condemned		10	12	1	-	3
Carcasses of which some part or organ was condemned.	191		124	-	-	1
Percentage of the number inspected affected with Tuberculosis.	16.46%		39.31%	0.29%	-	2.01%

FOODSTUFFS CONDEMNED AS BEING UNSOUND OR OTHERWISE UNFIT FOR HUMAN CONSUMPTION.

176 tins of meat.	19 jars of pickles	78 lbs. brawn.
246 tins of milk.	& sauces.	27 lbs. cheese.
137 tins of vegetables.	469 lbs. fish.	15 lbs. flour.
34 tins of fish.	264 lbs. cherries.	14 lbs. sweets.
35 tins of fruit.	162 lbs. dried fruit.	8 lbs. ham.
26 tins or jars of jam and preserves.	150 lbs. meat pies.	10 eggs.
	100 lbs. sausages.	

Total weight condemned - 19 cwt 1 qr 6 lbs.

(c) ADULTERATION, ETC.

(d) CHEMICAL AND BACTERIOLOGICAL EXAMINATION.

} No change.

(e) NUTRITION. The Urban Area has numerous eating houses which allow the inhabitants to supplement their rations - among these establishments the British Restaurant, inaugurated by the Council in 1941, continued to fulfil an important part in the feeding of the working class population and of school children. During 1947 no less than 85,666 meals were served, as under:-

<u>No. of Meals Taken in</u>		<u>Number of Meals</u>	
<u>The British Restaurant.</u>		<u>Provided but served off</u>	
<u>Adults @ 1/-</u>	48,271	<u>the Premises.</u>	
<u>Children @ 6d.</u>	7,282	<u>Adults @ 1/-</u>	33,382
<u>Children under auspices of</u>		<u>Children @ 6d.</u>	835
<u>West Suffolk C.C. @ 6d.</u>	24,713		
<u>Children under auspices of</u>			
<u>West Suffolk C.C. free</u>	35		
<u>Adolescents in service of</u>			
<u>Post Office @ 1/-</u>	1,148		

The tendency for the withdrawal of the children for feeding at School canteens threatens seriously the ability of the authority to continue their system of cheap meals, and will mean the raising of prices to adults. The Restaurant is conducted on a non-profit basis. To this end very great assistance is given by a team of ladies who give voluntary service, and by Councillor H.G. Keegan who voluntarily supervises the undertaking.

During 1947, however, it appeared that, save for a few old people who could not avail themselves of the eating houses, the effect of rationing was merely to curtail home entertaining.

(f) SHELLFISH (Molluscan). No change.





PREVALENCE OF & CONTROL OVER INFECTIOUS AND OTHER DISEASES.

The following table shows the number of Infectious Diseases among the civilian population during the year after corrections subsequently made either by the Notifying Medical Practitioner or by the Medical Superintendent of the Infectious Diseases Hospital.

ALL NOTIFIABLE DISEASES (other than Tuberculosis) DURING 1947.

	Total Cases Notified.	Age in years.													Adm. to Hosp.	Deaths.
		-1	1	2	3	4	5	6 to 9	10 to 14	15 to 19	20 to 34	35 to 44	45 to 64	65 & over		
Scarlet Fever.	7	-	-	-	2	1	1	1	1	-	1	-	-	-	3	-
Ac. Poliomyelitis.	3	-	-	-	-	-	-	2	-	1	-	-	-	-	3	-
Measles.	2	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
Pneumonia.	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
Puerperal Pyrexia.	10	-	-	-	-	-	-	-	-	-	9	1	-	-	10	-
Erysipelas.	2	-	-	-	-	-	-	-	-	-	-	1	1	-	2	-
Dysentery.	12	2	1	4	2	1	-	-	1	-	-	-	1	-	12	-
	37	2	1	4	4	2	2	4	2	1	10	2	3	-	30	Nil

The above figures are somewhat misleading as to the infectious diseases occurring among the civilian population of Newmarket, for the ten Puerperal Pyrexia cases recorded were of patients at White Lodge Hospital, which, of course, covers a much wider area than the Urban District, and ten of the twelve Dysentery cases similarly occurred among patients at White Lodge Hospital.

76 children (62 aged 0-4 years and 14 age 5-14 years) completed the course of Diphtheria Immunisation during 1947. In addition, 92 received the Reinforcing Injection.

The Diphtheria Immunisation State of Newmarket children at 31st December, 1947, was:-

<u>Children born in the year</u>	<u>% Immunisation Completed.</u>
1947	4%
1946	40%
1945	49%
1944	81%
1943	67%
1938 to 1942	98%
1933 to 1937	98%

The 98% of school children immunised is a very satisfactory figure. Since Diphtheria Immunisation was commenced by the Council in Newmarket in 1940 there have only been three cases of Diphtheria in children below the age of 15 years (one of these cases, in January 1941, proved fatal). It is hoped that this satisfactory record (achieved despite the influx of several hundreds of evacuees and armed force personnel into the district during the war) will not lull parents to neglect to have their children's immunisation completed as near as possible to their first birthday, for we hope that never again will there be 48 cases of Diphtheria in a year in Newmarket, as there was in 1940, and never again will a school child die in Newmarket from this disease, as occurred in 1940 and again in 1941, nor yet a child under school age.

TUBERCULOSIS.

New Cases and Mortality during 1947.

<u>Age Periods.</u>	<u>New Cases.</u>			<u>Deaths.</u>		
	<u>Respiratory.</u>		<u>Non-Respiratory.</u>	<u>Respiratory.</u>		<u>Non-Respiratory.</u>
	<u>M.</u>	<u>F.M.</u>	<u>F.</u>	<u>M.</u>	<u>F.M.</u>	<u>F.</u>
0-4	-	-	-	-	-	-
4-14	-	-	-	-	-	-
15-24	3	4	-	1	-	-
25-34	1	-	-	1	-	-
35-44	3	-	-	-	-	-
45-54	2	-	-	-	1	-
55-64	1	-	-	-	-	-
65 & over	-	-	-	-	-	-
	10	4	-	2	1	-

38 cases remained on the Tuberculosis Register at the end of the year, Respiratory male 17, female 20, and Non-Respiratory male 2, female 7.



