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HAWARDEN RURAL DISTRICT COUNCIL

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**ANNUAL REPORT**

OF THE

MEDICAL OFFICER OF HEALTH

AND OF THE

CHIEF PUBLIC HEALTH INSPECTOR

1970

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*Medical Officer of Health:*

D. J. FRASER, M.B., CH.B., D.P.H.

*Chief Public Health Inspector:*

D. R. GEORGE, F.R.S.H., M.A.P.H.I., F.I.P.H.E.



## HEALTH COMMITTEE

**Chairman:** Councillor Mrs. Irene Fellows, J.P.

The Health Committee consists of all Members of the Council

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### STAFF

**Medical Officer of Health:**

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

Also Medical Officer of Health for the following Authorities:—

Buckley Urban District Council

Connah's Quay Urban District Council

Flint Borough Council

Maelor Rural District Council

Mold Urban District Council

and Assistant County Medical Officer

**Chief Public Health Inspector:**

D. R. George, F.R.S.H., M.A.P.H.I., F.I.P.H.E.

**Deputy Chief Public Health Inspector:**

C. S. Wensley, F.R.S.H., M.A.P.H.I.

**Senior Additional Public Health Inspector:**

A. E. Howgate, M.A.P.H.I., M.R.S.H. (to 30/4/70)

**Additional Public Health Inspector:**

M. A. Watkin, M.A.P.H.I., M.R.S.H.

**Student Public Health Inspector:**

D. Thomas

**Clerk:**

Mrs. Beryl Cooper (to 26/8/70)

Miss Patricia Connah (from 14/9/70)

**Rodent Operative:**

A. Roberts

Mr. Chairman, Ladies and Gentlemen,

I have pleasure in presenting to you the Annual Report on the Health of the Hawarden Rural District for the year 1970.

The Registrar General's estimate of the population at mid-year 1970 was 43,010, and increase of 990 over the previous year. The Birth and Death Rates are based on this population estimate, whilst for comparison with other districts, comparability factors of 1.02 for births and 1.02 for deaths are applied.

Live births for the year numbered 778, 22 fewer than in 1969, and giving a birth rate per 1,000 population of 18.1, compared with the national figure which was 16.0.

Deaths totalled 441 as in 1969, giving a crude death rate of 10.3 per 1,000 population, which was lower than the national figure of 11.7. There were seven deaths of infants under a year old, compared with 11 in 1969, giving a rate per 1,000 live births of nine, the national rate being 18. Six of the infants were under a week old, and the causes of death included Pneumonia, Congenital Deformity and Birth Injury.

The chief causes of death (all ages) were diseases of the Heart and Circulatory System with 234 deaths of the total of 441, and Cancer with 82 deaths. The figures for 1969 were 235 and 77. Lung Cancer deaths rose from 16 to 25 in 1970. Pneumonia caused 40 deaths and Bronchitis and Emphysema 27, mainly in the elderly. Fourteen persons, mostly elderly, died from Influenza, compared with five in 1969. Eight people died in motor accidents, and seven in other accidents.

There were no cases of Poliomyelitis or of Diphtheria, but the need for immunisation of infants against these and other diseases continues. In addition to vaccine against Diphtheria, Whooping Cough and Tetanus, and Poliomyelitis, there are now efficient vaccines for protection against Measles (a disabling illness in many cases) and against German Measles. The policy is to protect infants against Measles at a year old, and adolescent girls against German Measles at about 13 years.

There was an outbreak of Measles, mostly in children, the majority of cases occurring in the second and third quarters. There were 99 cases compared with 188 in 1969. Parents are now accepting that Measles vaccination is a safe and painless method of protecting their children. There was only one case of Dysentery compared with 35 in 1969. Scarlet Fever cases numbered three, as in 1969. There were four cases of mild food poisoning as in the previous year. One person caught the illness in Italy.

The case of Paratyphoid Fever was a child of six years, who appears to have caught the complaint from a relative in Chester. This person had been on a camping holiday in Italy, and had an illness soon after his return. He was found to be carrying the infection.

In the autumn there occurred what was probably the first case of Cholera in this country for over 60 years. The patient felt ill whilst on holiday on the island of Jerba, in Tunisia. On his return home he went to his doctor, who sent samples to the laboratory, where the diagnosis was confirmed. A great deal of time was spent in warning the Medical Officers in the areas where the fellow-passengers of the patient lived. All information was passed to the Welsh Office, whose medical staff were most helpful. The patient was kept at home, where he and his family were supervised, and laboratory samples were taken regularly. He was free from infection in about a month of his return home. A member of his family who was at Catterick Camp was quickly located and supervised through the prompt assistance of Colonel J. H. Brodie of Western Command, to whom I am grateful for his help. Cholera has since spread to Spain, and it is likely that more cases will occur in this country, in returned holiday makers. The disease has been spreading slowly from the Far East for the past 30 years.

Once again, housing matters took up much of the time of the Health Department. I am again grateful to the Council for sympathetic consideration of the many applicants with health problems. The need for housing for elderly people continues to grow.

Other matters occupying the attention of the staff were Cleansing, Food Hygiene, Offices, Shops and Railway Premises, Infectious Diseases visits, Meat Inspection and Unsound Food.

In conclusion, I wish to thank the Chairman and Members of the Health Committee for their support during the year. Your Clerk, Mr. F. N. V. Meredith, the Treasurer and the Surveyor have been of great assistance during the year. I have had the full support of your Public Health Inspectors and office staff. Again the team work has been excellent.

The report of the Chief Public Health Inspector, Mr. D. R. George, indicates the vast amount of day-to-day work which adds up to the year's total. This will increase with the rise in population and the stream of new legislation.

I am,

Your obedient Servant,

D. J. FRASER,

Medical Officer of Health.

## VITAL STATISTICS 1970

<b>Population:</b>		
Registrar General's estimate at mid-year	...	43,016
Census, 1961	...	36,443
Census, 1971	...	42,467
<b>Live Births:</b>		
Number	...	778
Rate per 1,000 Population	...	18.1
Adjusted Local Birth Rate	...	18.5
National Birth Rate per 1,000 Population	...	16.0
Illegitimate Live Births	...	46
Illegitimate Live Births per cent. of Total Live Births	...	6
Illegitimate Live Births per cent. of Total Live Births, England and Wales	...	8
<b>Still Births:</b>		
Number	...	10
Rate per 1,000 Total Live and Still Births	...	13
National Still Birth Rate	...	13
Total Live and Still Births	...	788
<b>Infant Deaths (under one year)</b>	...	7
<b>Infant Mortality Rate:</b>		
Total Infant Deaths per 1,000 Total Live Births	...	9
Legitimate Infant Deaths per 1,000 Legitimate Live Births	...	8
Illegitimate Infant Deaths per 1,000 Illegitimate Live Births	...	22
National Infant Mortality Rate per 1,000 Live Births	...	18
<b>Neo-Natal Mortality Rate (Deaths under four weeks per 1,000 Total Live Births)</b>	...	9
<b>National Neo-Natal Mortality Rate</b>	...	12
<b>Early Neo-Natal Mortality Rate (Deaths under one week per 1,000 Live Births)</b>	...	8
<b>National Early Neo-Natal Mortality Rate</b>	...	11
<b>Peri-Natal Mortality Rate (Still Births and Deaths under one week per 1,000 total Live and Still Births)</b>	...	20
<b>National Peri-natal Mortality Rate</b>	...	23
<b>Maternal Mortality (including abortion):</b>		
<b>Maternal Mortality (including Abortion):</b>		
Number of Deaths	...	—
Rate per 1,000 Total Live and Still Births	...	—
<b>Deaths (from all Causes)</b>	...	441
<b>Crude Death Rate per 1,000 Population</b>	...	10.3
<b>Adjusted Local Death Rate</b>	...	10.5
<b>National Deaths Rate per 1,000 Population</b>	...	11.7

## STATISTICS AND SOCIAL CONDITIONS OF THE AREA

1965	1966	1967	1968	1969	1970
<i>Area in acres</i>					
31,576	31,576	31,576	31,576	31,576	31,576
<i>Population Estimated Mid-year</i>					
38,620	39,440	40,230	41,280	42,020	43,010
<i>Density</i>					
1.22	1.25	1.28	1.31	1.33	1.37
<i>Number of inhabited houses according to Rate Books</i>					
12,110	12,224	12,628	13,069	13,381	13,565
<b>NUMBER OF HOUSES COMPLETED</b>					
<i>Local Authority</i>					
62	77	19	116	36	33
<i>Private</i>					
295	323	342	353	249	214
<i>Total</i>					
357	440	361	469	285	247
<i>Number of occupied houses owned by Local Authority</i>					
3,643	3,720	3,722	3,832	3,867	3,900
<i>Rateable Value</i>					
£1,319,951	£1,351,290	£1,415,820	£1,475,120	£1,495,714	£1,519,129
<i>Sum represented by Penny Rate</i>					
£5,351	£5,309	£5,689	£5,855	£5,953	£14,645
<i>Births</i>					
757	739	780	795	800	778
<i>Birth Rate per thousand Population</i>					
19.6	18.73	19.38	19.25	19.0	18.1
<i>Deaths</i>					
422	451	419	443	441	441
<i>Death Rate per thousand Population</i>					
10.92	11.43	10.41	10.73	10.5	10.3
<i>Infant Mortality Rate per thousand Live Births</i>					
15.85	13.53	19.23	18.86	14.0	9.0



# EXTRACTS FROM THE VITAL STATISTICS

## FOR THE YEAR 1970

**Estimated Mid-year Population** — 43,010

**Comparability Factors** — Births 1.02; Deaths 1.02

**Live Births:**

	Male	Female	Total	Birth Rate per 1,000 Home Population
Total .....	392	386	778	18.1
Legitimate .....	372	360	732	
Illegitimate ...	20	26	46	

**Still Births:**

	Male	Female	Total	Rate per 1,000 Total (Live and Still) Births
Total .....	6	4	10	13
Legitimate .....	6	4	10	
Illegitimate ...	—	—	—	

**Deaths of infants under one year of age:**

	Male	Female	Total	Infant Mortality per 1,000 Live Births
Total .....	4	3	7	9
Legitimate .....	3	3	6	
Illegitimate ...	1	—	—	

**Deaths of Infants under four weeks of age:**

	Male	Female	Total
Total .....	4	3	7
Legitimate .....	3	3	6
Illegitimate ...	1	—	1

**Deaths of infants under one week:**

	Male	Female	Total
Total .....	3	3	6
Legitimate .....	2	3	5
Illegitimate ...	1	—	1

## CAUSES OF DEATH

		1970	
		Males	Females
1.	Late effects of Respiratory Tuberculosis ..	1	—
2.	Cancer of Mouth, etc. .. .. .	1	—
3.	Cancer of Oesophagus .. .. .	2	4
4.	Cancer of Stomach .. .. .	8	1
5.	Cancer of Intestine .. .. .	3	4
6.	Cancer of Larynx .. .. .	1	—
7.	Cancer of Lung, Bronchus .. .. .	21	4
8.	Cancer of Breast .. .. .	—	7
9.	Cancer of Uterus .. .. .	—	3
10.	Leukaemia .. .. .	—	1
11.	Other Cancers .. .. .	7	15
12.	Benign and Unspecified Tumours .. .. .	1	—
13.	Diabetes Mellitus .. .. .	—	2
14.	Anæmias .. .. .	—	1
15.	Chronic Rheumatic Heart Disease .. .. .	3	4
16.	Hypertensive Disease .. .. .	8	3
17.	Ischæmic Heart Disease .. .. .	60	40
18.	Other Forms of Heart Disease .. .. .	7	13
19.	Cerebro Vascular Disease .. .. .	24	51
20.	Other Diseases of Circulatory System .. .. .	9	12
21.	Influenza .. .. .	7	7
22.	Pneumonia .. .. .	18	22
23.	Bronchitis and Emphysema .. .. .	21	6
24.	Asthma .. .. .	—	1
25.	Other Diseases of Respiratory System .. .. .	—	1
26.	Peptic Ulcer .. .. .	—	2
27.	Intestinal Obstruction and Hernia .. .. .	—	1
28.	Other Diseases of Digestive System .. .. .	2	3
29.	Nephritis and Nephrosis .. .. .	2	—
30.	Other Diseases—Genito-Urinary System .. .. .	—	3
31.	Congenital Anomalies .. .. .	2	—
32.	Birth Injury, Difficult Labour, etc. .. .. .	2	1
33.	Other Causes of Peri-Natal Mortality .. .. .	—	1
34.	Symptoms and Ill-Defined Conditions .. .. .	1	2
35.	Motor Vehicle Accidents .. .. .	5	3
36.	All Other Accidents .. .. .	4	3
Total (All Causes) ..		220	221

The total of deaths 441, was the same as in 1969. The crude death rate at 10.3 per 1,000 population was below the national rate (11.7). From the above table, it will be seen that diseases of the Heart and Circulatory System accounted for 234 deaths, compared with 235 in 1969, and Cancer in one form or another caused 82 deaths, five more than in 1969. Cancer of Lung or Bronchus caused 25 deaths (21 men, four women) compared with 16 (12 men, four women) in 1969. Pneumonia accounted for 40 deaths, and Bronchitis and Emphysema 27, mainly in elderly people. Fourteen

persons died from Influenza, again mainly in the elderly. Eight deaths were due to motor accidents, two of the victims being children, and seven people died in other accidents, one being a child.

One death, in an elderly person was due to late effects of Tuberculosis.

## **GENERAL PROVISION OF HEALTH SERVICES IN THE AREA**

### **1. Laboratory Facilities**

This work is carried out by the Bacteriological Department, Royal Infirmary, Chester and Messrs. Ruddock and Sherratt, Public Analysts, 30, Watergate Street, Chester. The examination of samples is carried out at the Public Health Laboratory, Hoole Lane, Chester.

### **2. Ambulance Facilities**

These services are under the control of the Flintshire County Council.

### **3. Clinics and Treatment Centres**

Maternity and Child Welfare Clinics are established at Saltney, Broughton, Pentre, Shotton and Caergwrle.

School Clinics at Shotton, Saltney and Caergwrle.

Orthopædic Clinic at Shotton.

Chest Clinic at Queensferry.

### **4. Hospitals**

Hospital, Pentrobin, Hawarden—for old people.

Catherine Gladstone Maternity Home, Mancot.

Meadowslea Hospital, Penyffordd—for old people.

The above are situated in the District, but hospitals over a much wider area are used for both infectious diseases and general cases, among these the more important are:—

Wrexham War Memorial

Clatterbridge Hospital, Wirral

Wrexham Mælor General

Chester City Hospital

Chester Royal Infirmary

Infectious diseases including all types of Poliomyelitis are dealt with at the Isolation Branch of Mælor General Hospital, Wrexham.

## **PREVALENCE AND CONTROL OF INFECTIOUS DISEASES**

### **Diphtheria**

Diphtheria/Pertussis/Tetanus Prophylactic is issued free to Medical Practitioners for the immunisation of children in the area.

All records relating to Diphtheria Immunisation are forwarded by Medical Practitioners or Assistant School Medical Officers to the Department of the County Medical Officer of Health. The County Council now provides for children to be protected against Diphtheria, Tetanus and Whooping Cough by the use of combined Antigen.

## Vaccination

Vaccinations are carried out by Medical Practitioners and also by the Medical Officer of Health at the County Council Child Welfare Clinics. During the year no Smallpox contact entered the area from infected ships or aircraft.

## Cleansing and Disinfection

In all cases of Scarlet Fever and Death resulting from Tuberculosis as well as in all cases where it is considered advisable, the houses of the patients are thoroughly disinfected by the Public Health Inspector.

Facilities are available at the Isolation Hospital for the steam disinfection of bedding, but this hospital is now under control of the Welsh Regional Hospital Board with whom co-operation is maintained.

## Infectious Disease (other than Tuberculosis) 1970

	Measles	Dysentery	Scarlet Fever
Under 1 year ... ..	4	—	—
1 year ... ..	9	—	—
2 years ... ..	13	—	1
3 years ... ..	7	—	—
4 years ... ..	16	—	1
5—9 years ... ..	48	—	1
10—14 years ... ..	1	—	—
15—24 years ... ..	—	—	—
25 years and over ... ..	—	1	—
Age Unknown ... ..	1	—	—
<b>Total ...</b>	<b>99</b>	<b>1</b>	<b>3</b>
	Paratyphoid Fever	Food Poisoning	Whooping Cough
Under 5 years ... ..	—	—	5
5—15 years ... ..	1	1	—
15—44 years ... ..	—	3	1
45—64 years ... ..	—	—	—
65 years and over ... ..	—	—	—
Age Unknown ... ..	—	—	—
<b>Total ...</b>	<b>1</b>	<b>4</b>	<b>6</b>
	Cholera		
45—64 years ... ..	1		

The measles cases were mostly in the second and third quarters. The Paratyphoid Fever case was a child who caught the infection from a relative in Chester who did not know that he had the complaint. The Food Poisoning cases were mild ones. One was a holiday-maker returned from Italy. The Cholera case was a man who fell ill whilst on holiday in Jerba, Tunisia. He was convalescent when he came back to this country and there were no other reported cases. His family remained well.

## **Tuberculosis**

### **Tabulated New Cases for 1970**

Age Period	Resp.		Meninges and C.N.S.		Other		Total
	M.	F.	M.	F.	M.	F.	
1—4 years	1	—	—	—	—	—	1
5—14 years	—	—	—	—	—	—	—
15—24 years	—	1	—	—	—	1	2
25—44 years	2	—	—	—	1	2	5
45—64 years	1	—	—	—	—	—	1
65 years and over	2	—	—	—	—	—	2
Age unknown	—	—	—	—	—	—	—
Total	6	1	—	—	1	3	11

It will be seen that there were seven new cases of Pulmonary Tuberculosis and four cases of Non-Pulmonary Tuberculosis. This compares with three cases in 1969, one in 1968, two in 1967, three in 1966, 13 in 1965 and 16 in 1964.

Cases still occur in the young, but the majority of cases are adults. Treatment these days is mostly by drugs which are satisfactory for most cases and recovery is usually rapid considering the nature of the disease. The protection of children against Tuberculosis by the use of B.C.G. continues. This inoculation is carried out on school children of 13 years, on the consent of the parents. The one injection should protect the child for life.

### **National Assistance Act 1948**

### **National Assistance (Amendment) Act 1951**

One case was dealt with under the above Acts during the year. This was an aged woman who was ill, she was removed to a Home for the aged.

**COMPARATIVE FIGURES OF THE INCIDENCE OF NOTIFIABLE INFECTIOUS DISEASES  
FOR THE LAST TEN YEARS**

	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970
Scarlet Fever .....	5	3	8	2	3	7	6	5	3	3	3
Diphtheria .....	—	—	—	—	—	—	—	—	—	—	—
Typhoid .....	—	—	1	—	—	—	—	—	—	—	—
Puerperal Pyrexia .....	—	—	1	1	2	—	—	—	—	—	—
Erysipelas .....	—	—	1	—	1	—	1	—	—	—	—
Meningococcal Infection .....	—	1	—	—	1	—	1	—	—	2	—
Measles .....	289	350	32	367	186	145	253	163	178	188	99
Whooping Cough .....	17	2	—	—	13	7	2	6	—	1	6
Tuberculosis .....	40	25	23	28	16	13	3	2	1	3	11
Acute Poliomyelitis .....	—	1	—	—	—	—	—	—	—	—	—
Encephalitis .....	—	—	—	—	—	—	—	—	—	1	—
Food Poisoning .....	—	—	—	—	1	—	1	—	3	4	4
Dysentery .....	—	3	9	—	5	7	3	1	14	35	1
Para-Typhoid .....	—	—	—	—	2	—	—	—	1	—	1
Leptospirosis .....	—	—	—	—	—	—	—	—	1	—	—
Infective Jaundice .....	—	—	—	—	—	—	—	—	1	1	—
Cholera .....	—	—	—	—	—	—	—	—	—	—	1

**ANNUAL REPORT  
OF THE  
CHIEF PUBLIC HEALTH INSPECTOR  
FOR THE YEAR 1970**

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

Mr. Chairman, Ladies and Gentlemen,

I have the honour to present my sixth Annual Report on the Environmental Health Services for the year 1970.

I take this opportunity of offering my sincere thanks to the Chairman and Members of the Health Committee, together with Dr. D. J. Fraser, for their assistance and ready co-operation in all matters concerning the Health Department.

The following staff changes occurred during the year which disturbed for some time the cohesion and smooth running of the department and placed extra work on the remaining staff. Mr. A. E. Howgate, after five years on the staff, left to take up the appointment of Deputy Chief Public Health Inspector to the Urban District Council of Rhyl. Mr. Howgate had been a most efficient and loyal officer and he left us with best wishes for his future career. Mrs. Beryl Cooper, the Departmental Clerk/Shorthand Typist also left to take an appointment in industry. She, too, had been an efficient and loyal officer during her three years with the Department.

No replacement for Mr. Howgate was effected during the year under review and the Department was under-established in Inspectors during this period, it having been impossible to obtain a successor.

Miss Patricia Connah joined the staff as Clerk/Shorthand Typist on 14th September, 1970.

I especially wish to thank all my staff, colleagues, the Rodent Operative and employees in the Public Cleansing Service for their help and loyalty during the year.

I am,

Your obedient servant,

**D. RONALD GEORGE,**

Chief Public Health Inspector.

## HOUSING

I have to report that owing to shortage of staff during the year, little headway has been made in survey work in connection with General Improvement Areas called for in Part II of the Housing Act, 1969. It is earnestly hoped that this will be able to be undertaken next year.

I can however report that the programme for dealing with Individual Unfit Houses has proceeded steadily. The one Clearance Area scheduled to be included in the 1970 Programme was deferred for one year in order to ascertain the possibilities of subsequent re-development.

I believe more activity in the Housing field generally will be undertaken during 1971.

### Statistics for 1-1-70 to 31-12-70

#### Public Health Acts and Similar Acts

<i>Number of Notices Served</i>		<i>Number of Houses Repaired after Service of Notices</i>	
<i>Informal</i>	<i>Formal</i>	<i>Informal</i>	<i>Formal</i>
45	8	20	10

During the year the Council concentrated on dealing with individually unfit properties and declared no Clearance Areas during the year. However, the five year programme for 1970—75 envisaged several Clearance Areas to be investigated during this period.

### Statistics for 1-1-70 to 31-12-70

No. of Closing Orders made Section 17	11
No. of Undertakings Accepted Section 16	—
No. of Demolition Orders made Section 17	13
No. of Houses Demolished following Demolition Orders	1
No. of Closing Orders made on part of Houses Section 18	—
No. of Orders Revoked	3

It is again necessary to highlight the difficulty in finding reliable demolition contractors to undertake the demolition of 'individual unfit' houses. These continue to be an 'eyesore' and where they abut on to the highway can be a constant source of danger.



## Summary of House Repairs and Sanitary Improvements effected, 1970

### (a) Interior of Houses

Rising dampness eliminated ... ..	5
Penetrating dampness eliminated ... ..	6
Ceilings replastered ... ..	1
Walls replastered ... ..	4
Defective windows repaired or renewed ... ..	6
Floors repaired or renewed ... ..	1
Doors repaired and made weatherproof ... ..	1
Worm affected timber replaced ... ..	5

### (b) Exterior of Houses

Leaking house roofs repaired ... ..	7
Walls repointed or repaired ... ..	6
Eaves, gutters renewed or repaired ... ..	9
Rainwater pipes renewed or repaired ... ..	2
Chimney stacks repointed ... ..	2
Waste water pipes repaired ... ..	2

### (c) Drainage

Defective, leaking or overflowing cesspools repaired or renewed ... ..	2
Drains/sewers, cleansed from obstruction ... ..	13
Drains and sewers renewed or repaired ... ..	17
Water closet flushing systems repaired ... ..	3
Broken manhole cover ... ..	1

### (d) Miscellaneous

Offensive odours abated ... ..	2
Leaking water storage cistern ... ..	1

### (e) Sanitary Conveniences

Water closet compartment structures repaired ... ..	4
---	---

## WATER SUPPLIES

There are three Statutory Water Undertakers operating within the area of this Authority namely:—

1. The Wrexham and East Denbighshire Water Company.
2. The Chester Waterworks Company.
3. The Central Flintshire Water Board.

### Water Sampling

The total number of water samples taken from the mains of the water undertakers and also from various wells and springs which supply water to properties within the district was as follows:—

#### Public Water Undertakers

Number reported satisfactory ... ..	5
Number reported unsatisfactory ... ..	1

#### Wells

Number reported satisfactory ... ..	3
Number reported unsatisfactory ... ..	1

## CARAVAN SITES AND CONTROL OF DEVELOPMENT ACT, 1960

Number of Licensed Sites ... ..	9
Number of Caravans permitted ... ..	408
Number of Sites Administered by Local Authority ...	1

During the year 48 visits were made relating to preliminary surveys, site works, drainage, re-inspections, etc.

### REFUSE COLLECTION AND DISPOSAL

During the year 1,159 visits were made in connection with the collection and disposal of refuse.

A further collection vehicle namely a 12 cu. yd. Karrier dual tip with packer plate, replacing a vehicle of similar design. From April, 1970, the complete fleet consisted of:—

1 × 50 cu. yd. Karrier Musketeer.

2 × 35 cu. yd. Karrier Ramilles.

1 × 25 cu. yd. Karrier Ramilles.

1 × 20 cu. yd. Karrier Ramilles.

1 × 18 cu. yd. Karrier Dual Tip.

2 × 12 cu. yd. Karrier Dual Tip with packer plate.

1970 saw a further extension of the sack system of collection to private domestic premises in the Parishes of Sealand and West Saltney. Authority was also given during the year to complete the implementation of the new system of collecting in the Parishes of Hope, Kinnerton, Marford & Hoseley and Llanfynydd by 31st March, 1971.

Two disposal sites are available in the District, one serving the Deeside area and the other the more rural part of the District.

#### **Shotton Lane Tip**

Daily control is exercised on this tip by an L.50 Weatherill shovel. During the year, yet again, all cover required for control was obtained from within the perimeter of the site by the excavation of sterile refuse tipped some 15 years ago.

In order to prolong the life of the site which it is now estimated will be completed by September, 1971, a joint scheme with Buckley Urban District Council enables approximately half of the refuse from the Deeside area to be disposed of at their tipping site near Buckley Junction Station.

#### **Willow Tip, Hope**

Daily Control was exercised at this tip with a Weatherill L61B mechanical shovel in a manner similar to that undertaken at Shotton Lane Tip. This tip was completed in December of the year under review and in 1971 tipping will commence at the Fagl Lane site acquired for this purpose some years ago and on which site there is an abundance of covering material.

Due to the exercising of daily control, I can record that no serious tip fires occurred during 1970.

Rodent infestation on the tips was very small due to the regular baiting carried out by the Council's Rodent Operative.

There were no complaints of flies and regular spraying of the tipping areas were carried out.

## INSPECTION AND SUPERVISION OF FOOD

Continual routine inspections have been carried out in all food premises, including fixed and mobile shops, canteens, clubs and other licensed premises to ascertain that the food hygiene regulations are now being implemented.

The advice of the Inspectorate is constantly being sought from food traders and much has been achieved by this form of approach. It has not been found necessary to resort to compulsory enforcement.

During the year the following visits were made to the various food premises, as shown below:—

Licensed Premises and Clubs	99
Other Food Preparing Premises	20
Bakehouses and Confectioners' Shops	31
Butchers	70
Fried Fish Shops and Fishmongers	43
Grocers	118
Greengrocers	61
General Food Shops (Mixed Business)	20
Supermarkets	36
Hotel, Cafe and Canteen Kitchens	96
Ice Cream Manufacturers, Selling Points and Vans	32
Visits re Complaints of Unsound Food	156
Delivery Vehicles	34
Containers	3
<b>Total ...</b>	<b>819</b>

Informal Notices complied with during the year — 35.

No prosecutions were taken in respect of unsound food during the year.

### Legal Proceedings

Legal action was taken during the year in respect of a butcher trading from a mobile shop. As this was the second prosecution (the first was in 1969), the fines imposed were more severe and totalled £16. The offending butcher does not now carry on the business.

## ICE CREAM SAMPLING

There are 177 premises registered under Section 16 of the Food and Drugs Act, 1955.

There is only one manufacturing premises in this district, which is now operating under much improved conditions.

Number of samples taken from local producer — 6.

	GRADES	—	ONE	TWO	THREE	FOUR
Number of samples ...	...		3	3	—	—

## SLAUGHTER OF ANIMALS ACT, 1958

### SLAUGHTERHOUSES (HYGIENE) REGULATIONS, 1958

The slaughter of animals is regularly carried out at the two licensed premises and these seem to serve the need for slaughtering facilities in this area.

The Veterinary Officer of the Ministry of Agriculture, Fisheries and Food, after his bi-monthly inspection of the slaughterhouses again highly complimented the Council on the standard of hygiene and structure contained therein.

Regular inspections were made at each of the slaughterhouses regarding the cleanliness and repair of the premises and equipment, hygienic practices, personal hygiene and conduct in the slaughtering processes.

During the year, a renewal of a Knacker's Yard Licence was issued in respect of premises at River Lane, Saltney. Since no slaughtering facilities are available at the premises, the licence is only in respect of the flaying and dressing of carcasses of animals, the flesh of which is *not* intended for human consumption.

## SLAUGHTER OF ANIMALS ACT, 1958

### SLAUGHTER OF ANIMALS

#### (PREVENTION OF CRUELTY) REGULATIONS, 1958

These Acts and Regulations are for the purpose of preventing cruelty and ensuring that no animals shall be slaughtered in a slaughterhouse except by a person licensed by the Local Authority.

The licences of 13 slaughtermen were renewed during the year.

Regular inspections were made at each of the slaughterhouses, under the above Act and Regulations. Particular attention was paid to the provision of adequate water supplies and bedding, etc., in the lairages. Animals were not kept long enough in the lairages to require feeding as required by the Prevention of Cruelty Regulations.

**MEAT INSPECTION**  
**YEAR ENDING 31st DECEMBER, 1970**

**Carcasses Inspected and Condemned**

	Cattle excluding Cows	Cows	Calves	Sheep and Lambs	Pigs
Number killed ... ..	172	—	—	1737	65
Number inspected ... ..	172	—	—	1737	65

**ALL DISEASES**

**EXCEPT TUBERCULOSIS**

**Whole carcasses**

condemned — — — — —

**Carcasses of which some  
part or organ**

was condemned 23 — — 27 2

**Percentage of the number  
inspected other than**

Tuberculosis 13.30% — — 1.55% 3.08%

**TUBERCULOSIS ONLY**

**Whole carcasses**

condemned — — — — —

**Carcasses of which some  
part or organ**

was condemned — — — — —

**Percentage of the number  
inspected with**

Tuberculosis — — — — —

Total number of visits paid to slaughterhouses for the purpose of meat inspection was — 129.

Total weight of meat condemned during the year was — 176 lbs.

**INSPECTION OF OTHER FOOD**

During the year, frequent visits were made to various retail shops and warehouses for the purpose of inspecting other foods. I feel that it is again pertinent to note that the vast majority of food condemned was due to damage sustained to foodstuffs whilst in transit and the failure to refrigerate displays and storage facilities in shops.

During the year, the following foodstuffs were examined and found to be unfit for human consumption. They were disposed of in such a manner as to prevent them being used for human consumption.

Cooked meat and meat products ... ..	461 lbs.
Canned meats ... ..	2,754 lbs.
Other canned foods ... ..	11,408 lbs.
Frozen foods ... ..	2,007 lbs.
Other foods ... ..	2,116 lbs.
<b>Total ...</b>	<b>18,746 lbs.</b>

## FOOD AND DRUGS ACT, 1955 — SAMPLING

Set out below are the particulars of the samples taken for chemical analysis under the Food and Drugs Act, 1955, by Mr. E. Lewis, County Public Health Inspector, in the Hawarden Rural District Council Area for the year ended 31st December, 1970.

<i>Description of Articles</i>	<i>No. taken</i>	<i>Genuine</i>
Milk ... ..	48	48
Dairy Produce ... ..	6	6
Ice Cream and Lollies ... ..	5	5
Alcoholic Drinks ... ..	8	8
Sausages and Cooked Meats ... ..	10	10
Cakes and Confectionery ... ..	6	6
Patent Medicines ... ..	4	4
Miscellaneous Groceries ... ..	20	20
Fruit and Vegetables ... ..	6	6
	113	113

No evidence of bovine tuberculosis was found in any farm bottled milk but brucellosis was found in the milk distributed by two producer/retailers and by one producer.

Six samples of fertilisers were taken and variations were found in the composition of three samples due to long storage. The attention of the manufacturer was drawn to the matter. All samples examined under the Pharmacy and Poisons Act were found to be satisfactory.

Successful legal proceedings were instituted in respect of two complaints of foreign matter in food. In one, where a bandage was found in a bread roll, the manufacturer was fined a total of £35, and in the other where a carton of yoghurt was found to be unfit, the distributors were fined a total of £27. Warning letters were sent in respect of two other complaints.

## THE OFFICES, SHOPS AND RAILWAY PREMISES ACT, 1963

I set out below for your information Tables, A, B and C extracted from the Annual Return as submitted to the Minister of Labour on 31st December, 1970.

**Table 'A' Registration and General Inspection**

Class of Premises	No. of Premises Registered during the year	Total No. of Registered Premises at the end of the year	No. of Registered Premises receiving a General Inspection during year
Offices ... ..	1	56	21
Retail Shops ... ..	2	173	43
Wholesale Shops, Ware- houses ... ..	—	13	7
Catering Establishments open to Public, Can- teens ... ..	—	46	3
Fuel Storage Depots ...	—	2	—

**Table 'B'**—Number of visits of all kinds by Inspectors to Registered Premises—121.

**Table 'C' Analysis of Persons Employed in Registered Premises by Workplace**

Class of Workplace	Number of Persons Employed
Offices ... ..	295
Retail Shops ... ..	632
Wholesale Departments, Warehouses ... ..	104
Catering Establishments open to Public, Canteens ... ..	184
Fuel Storage Depots ... ..	9
	Total ... 1,224

Total Number of Males—362

Total Number of Females—861

**ADMINISTRATION OF THE FACTORIES ACT, 1937/1961  
FOR THE YEAR 1970**

**Part I of the Act**

1. **Inspections** relating to provisions for health made by the Public Health Inspectors during 1970.

	No. on Register	No. of Inspections	No. of Written Notices	No. of Occupiers Prosecuted
(a) Factories where Section 1, 2, 3, 4 and 6 are to be enforced by the Local Authority	36	11	—	—
(b) Factories not included where Section 7 is to be enforced by the Local Authority	109	14	1	—
(c) Other premises where Section 7 is to be enforced by the Local Authority ...	—	—	—	—

2. **Cases in which Defects were found.** No cases of defects due to want of cleanliness, overcrowding, unreasonable temperature, inadequate or ineffective drainage of floors were found. Two cases of defective sanitary accommodation were found, as shown in the following table.

Sanitary Conveniences (Section 7)	No. of Cases with Defects Found			
	Found	Remedied	Referred to H.M.I.	By H.M.I. Prosecuted
(a) Insufficient ...	—	—	—	—
(b) Unsuitable or Defective ...	2	2	—	—
(c) Not separate for sexes ...	—	—	—	—
<b>Total Defects un- der Part 1 of the Act .....</b>	<b>2</b>	<b>2</b>	<b>—</b>	<b>—</b>

### Part VIII of the Act, Outworkers (Sections 110 and 111)

#### Section 110

Nature of Works—Wearing Apparel: Making, etc.

No. of Outworkers in August List as required by Section 110(1)(c) ... Nil

No. of Cases of Default in sending Lists to Council ... Nil

No. of Prosecutions for failing to supply lists ... Nil

No instances relating to Section 111 (Unwholesome premises) were known.

### RODENT CONTROL TREATMENT

The Council's Rodent Control Service is provided free of charge.

As a result of survey and notification by occupiers of infested premises extermination of rodents has been carried out at dwelling houses, factories, food premises, refuse tips, etc.

Details relating to the work carried out during the year, are set out below:—

	Type of Property	
	Non-Agricultural	Agricultural
Property in District ...	15,520	497
Total number of properties (including nearby pre- mises) inspected follow- ing notification ...	373	15
Number infested by:—		
(a) Rats ...	215	12
(b) Mice ...	55	—
Total number of properties inspected for rats and/or mice for reasons other than notification ...	912	1,374
Number infested by:—		
(a) Rats ...	69	78
(b) Mice ...	21	16



## GENERAL SUMMARY OF VISITS AND INSPECTIONS, RE:

Public Health Acts, 1936/69	...	...	...	...	85
Noise Abatement Act, 1960	...	...	...	...	37
Housing Acts, 1957/69	...	...	...	...	520
Caravan Sites and Control of Development Act, 1960	...	...	...	...	48
Animal Boarding Establishments Act, 1963	...	...	...	...	8
Clean Air Acts, 1956/68	...	...	...	...	54
The Offices, Shops and Railway Premises Act, 1963	...	...	...	...	152
Factories Act, 1961	...	...	...	...	25
Food and Drugs Act, 1955	...	...	...	...	819
Slaughter of Animals Act, 1958	...	...	...	...	197
Civic Amenities Act, 1967	...	...	...	...	139
Prevention of Damage by Pests Act, 1949 (excluding visits by Rodent Operative)	...	...	...	...	610
Water Supply	...	...	...	...	54
Visits in connection with Paper Sack Implementation	...	...	...	...	47
Miscellaneous Visits and Re-inspections	...	...	...	...	1,314
					4,877

Total Number of Visits ... 4,877

## SEWAGE TREATMENT

Works	District Served	Con- structed	Date Reconstructed or Enlarged	Capacity of Works D.W.F. (Galls.)	Estimated Present Flow to Works (G.P.D.)	Discharges Effluent to:—
Queensferry	Aston, Ewloe, Hawarden, Mancot, Queensferry, Sandycroft, Sealand, Shotton and part of Buckley U.D.	1905	1956 1968	607,000 1,147,000	— 992,100	River Dee via Brook
Saltney	Bretton, Broughton, Mainwaring, Mold Junction and Saltney	1911	1939 1951	To Chester To Chester	—	Chester C.C.C. Works
Hope	Hope Village, Caergwrlle and Abermorddu	1930	1962	85,800	64,000	River Alyn
Kinnerton	Kinnerton Village	1961	1967	17,000	21,300	Stream
Caer Estyn	Caer Estyn	1957	—	5,550	4,500	Stream
Penyffordd	Penyffordd and Penymynydd	1924	1936 1968	30,000 170,000	162,600	Stream
Dobshell	Dobshell	1956	—	5,000	4,500	Stream
Cymmau	Cymmau	1938	—	6,000	5,500	R. Cegidog
Ffrith	Ffrith	1948	—	10,000	7,175	R. Cegidog
Treuddyn	Treuddyn Village	1922	1939	14,840	17,950	Stream
Llanfynydd	Llanfynydd Village	1963	—	2,875	2,475	R. Cegidog

Sewage from Marford and Hoseley Parish and from part of Cefn-y-Bedd is treated in the Wrexham R.D. area.  
 Sewage from Pontybodkin and Coed Talon is treated at the Leeswood works of Holywell R.D.C.  
 Sewage from East Saltney is treated at the Bumper's Lane works of Chester City Council.

## DETAILS OF WATER SUPPLY IN THE AREA

Parish	*Popula- tion	Acre- age	Name of Supply Undertaking	Houses			Total
				With Piped Supply	Without Piped Supply	Houses on Stand- Pipes	
Hawarden	20,588	9,025	Central Flintshire Water Board Chester Waterworks Co.	6,039 554	21 —	2 —	6,624
Hope Higher	6,279	4,769	Wrexham & E. Denbigh Water Co. Wrexham & E. Denbigh Water Co.	31 2,050	— 5	— —	2,055
Kinnerton	878	1,825	Wrexham & E. Denbigh Water Co.	274	3	1	278
Marford and Hoseley	1,166	650	Wrexham & E. Denbigh Water Co.	391	—	—	391
West Saltney	3,576	885	Central Flintshire Water Board	1,360	—	—	1,360
East Saltney	4,400	1,183	Chester Waterworks Co.	1,486	—	—	1,486
Sealand	3,252	4,951	Central Flintshire Water Board Chester Waterworks Co.	747 308	— —	— —	1,055
Treuddyn	1,314	3,614	Wrexham & E. Denbigh Water Co.	442	18	4	464
Llanfynydd	1,557	4,674	Wrexham & E. Denbigh Water Co.	498	34	1	533
TOTAL ...				14,180	82	8	14,246

\* Population (Estimated Mid-Year) — 43,010



