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PRESTATYN  
URBAN DISTRICT COUNCIL

# ANNUAL REPORT

OF THE

Medical Officer of Health

**DR. J. TUDOR GRIFFITHS, J.P.**

TOGETHER WITH THE

Annual Report of the Sanitary Inspector

Mr. I. WYNN JONES, M.S.I.A.

Cert. Meat and other Foods.

FOR THE YEAR 1947.





# HEALTH COMMITTEE, 1947

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Coun. T. E. Brooks (Chairman)

Coun. Mrs. Eleanor Evans J.P. Coun. Norman Stewart

„ E. T. Williams A.C.P. „ C. Lloyd Ellis

„ A. I. Williams „ T. M. Dowell

„ J. R. Gilbert, „ J. E. Evans

„ J. H. Dicken „ A. Nuttall

Chairman of the Council: Coun. J. Ellis Evans, J.P.

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## Staff of the Public Health Department—

*Medical Officer of Health:*

DR. J. TUDOR GRIFFITHS, J. P.

*Sanitary Inspector: Meat & Food Officer:*

I. WYNN JONES, M.S.I.A., Cert. Meat & Food Insp.

*General Assistant:*

J. E. PARRY.

*Clerk:*

—VACANT—

*Meteorological Officer:*

ROBERT PENNING, A.M.I.C.E.,  
Engineer & Surveyor

# ANNUAL REPORT

OF THE

## MEDICAL OFFICER OF HEALTH

FOR THE YEAR 1947

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To the Chairman and Members  
of the Prestatyn Urban District Council.

MRS. EVANS AND GENTLEMEN,

I beg to present my Annual Report as your Medical Officer of Health, for the year ending December 31st, 1947, and as far as possible follow the requirements of the Ministry of Health Circulars.

After reading the report I think you will agree that the Health of the area has been quite satisfactory, all the essential services with their seasonal increased requirements have functioned satisfactorily.

It is gratifying to be able to report that the residents on the Hillside can look forward in the future to an adequate and constant water supply.

I am very disappointed that the flooding caused by the silting of the Gutter outlet has not been rectified. I have for a long time stressed the urgency of this matter. I am pleased that you have under consideration the provision of a new site for Refuse Disposal and hope a suitable site will be decided upon.

I have been fortunate in having the valuable help and experience of Mr. Wynn Jones, appointed Sanitary Inspector in April.



Appended are the reports of the Sanitary Inspector, also that of the Inspector under the Food and Drug Act, together with the report of the Climatology by your observer Mr. R. Penning, Engineer and Surveyor.

## **Housing**

Good progress has been made in the erection of permanent type houses at Bryn Rhosyn, 72 houses were completed and occupied at the end of the year. An additional allocation of 6 houses has been made, bringing the total approved for erection to 132. The remaining 60 houses were in course of erection at the end of the year. These houses are being erected on a healthy and open locality and the estate will have a good appearance, with open spaces suitably sited. With the 126 houses built before the war, the total of completed houses owned by the Council is now 198.

## **New Houses Privately Built**

Eight new houses were built by private enterprise during the year. This compares with 65 built during 1946.

## **Water Supply**

The Urban area derives its supply by a piped line from an underground spring known as Ffynnon Asaph. It is a hard water, adequate in quantity and has no Plumbo-solvent action. Before distribution for household purposes it is treated by Alum coagulation, chlorination by the chloramine system and filtration through a battery of filters. Owing to the increasing population,

especially during the summer months and the increasing consumption per head of the population, the adequacy of the supply calls for investigation. A report is being prepared by Consultants, in this connection. The whole plant is under daily observation, is tested for clarity, pH. value, chloride content and records kept. Samples of water are submitted for Bacteriological examinations to the Emergency Laboratory at Conway.

The number submitted during the year was:

- (a) Raw Water, 1.
- (b) Filtered Water, 9.
- (c) Filtered and Chlorinated Water, 65.

The reports received, with one or two exceptions have been under Category Class A.1.

A new main has been laid in Cwm Road, Dyserth and new mains are in course of being laid in Nant-yr-Ogof and Ffordd Bryniau, Meliden.

The scheme for the supply of water to the hillside has now been completed and is in operation, giving a constant and adequate supply to the houses in that area.

Practically all houses in the area are supplied from the mains.

#### CERTIFICATE OF ANALYSIS.

Sample of Water received on 26th June, 1947  
 Marked—Health Dept. Tap. Direct from Main for  
 Chemical Examination.



The Sediment shews slight trace of siliceous matter.  
In parts per 100,000 of Water.

|                                 |       |
|---------------------------------|-------|
| Total Solid matter in solution. | 34.0  |
| Nitrogen in Nitrate             | 0.25  |
| Nitrites                        | Nil   |
| Chlorine in Chlorides           | 2.2   |
| Oxygen absorbed from            |       |
| Permanganate in 4 hrs of 80°F   | 0.028 |
| Free and Saline Ammonia         | Nil   |
| Albuminoid Ammonia              | 0.001 |
| Lead. Copper. Zinc.             | Nil   |
| Temporary hardness in Degrees   |       |
| Clark                           | 16.   |
| Permanent hardness in Degrees   |       |
| Clark                           | 2     |
| pH. Value                       | 7.5   |

This sample is satisfactory, and provided the bacteriological quality of the water is good, is suitable in all respects for drinking and domestic use.

Signed. Harold Lowe, Msc., F.I.C.

## Sewerage

The sewerage scheme for the area, excluding Meliden, consists of a gravity scheme on the higher levels to which sewage is raised by Ejectors from the low lying areas, and the whole of the sewage is discharged untreated into the sea. The system has worked satisfactorily during the year. There is also a pumping station serving Y Ffrith which has operated satisfactorily.

Meliden sewerage is also partly on the gravity system and partly pumped. The sewage is purified at a disposal works and discharged into a water course. The system has been satisfactory.

The surface water sewerage system is separate



from the foul water system and is satisfactory except during abnormal rainfall, when a small amount of flooding occurs, largely due to the unsatisfactory state of the Prestatyn Gutter. None of this flooding occurred during the year.

No major alterations or additions have been carried out during the year; necessary repairs and alterations, due to wear and tear, have received attention.

The electrically driven pumping plant erected at Y Ffrith has been effective.

I think the provision of a Public Convenience somewhere in the upper part of the town is desirable, also the provision of one for Meliden should be considered.

### **Prestatyn Gutter**

This water course which traverses and is supposed to drain the area from West to East is not functioning at all satisfactorily and is the cause after heavy rainfall, especially during the winter months, of serious flooding in the Highbury Avenue area, causing great inconvenience to the residents in that locality, and further inland to the south of the Railway extensive flooding over a large acreage of agricultural land.

The cause of the flooding is due entirely to silting at its outfall to the sea, which should and could be remedied by the responsible authority; further, the whole course ought to be thoroughly cleared of weeds, etc., each autumn and spring.

### **Milk Supply**

There has been a marked improvement in the



milk supply, both as regards keeping quality and earlier deliveries.

I am satisfied that both producers and retailers are taking a keen interest in their work and aim at giving a first-class quality and distribution.

The results of samples are, generally speaking, satisfactory. Any dairyman whose milk is not satisfactory is visited and as a rule is only too pleased to co-operate and remedy any defects, etc.

I would like to impress upon the housewives the importance of rinsing out the milk bottles with cold water as they are emptied. This small service saves the dealer a lot of work and helps to keep the milk supply clean and pure.

## **Food Supplies**

A close watch has been kept over the premises of retailers, especially those of Butchers, Bakeries and Dairies. For number of inspections, see Sanitary Inspector's report. All meat sold in the area is killed and inspected at the Public Abattoir, Rhyl.

I consider the greatest care should be exercised in the handling of meat during delivery to the various shops so as to avoid all possible risk of contamination by flies, dust, etc.

## **Refuse Collection & Disposal**

The collection of refuse has improved.

A new site for disposal is an urgent matter. I have received several complaints from residents in Ffordd Isaf regarding smoke fumes, but I am pleased to state that the fires are now under control.



## Swimming Pools

There are three privately owned pools. Samples of water are taken regularly during the season and are mainly satisfactory.

## GENERAL PROVISION OF HEALTH SERVICES FOR THE AREA

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### Laboratory Facilities

These remain unchanged.

Pathological and bacteriological examinations of discharges, throat swabs, etc., are done at the Ministry of Health Laboratory, Conway. During 1947 they numbered 181. Samples of water were despatched for bacteriological examination. Venereal swabs and blood requiring examination for venereal diseases are sent by the patients' doctors to the laboratory of the Chester Royal Infirmary.

### Ambulance Service

Infectious cases are removed to the Isolation Hospital by Ambulance specially reserved for this purpose. All other cases of illness or accident requiring transport are removed by either the local ambulance or by a privately owned ambulance, also the Rhyl Division of the St. John's Association have now acquired an ambulance which is giving excellent and willing service by day and night.

## Nursing in the Home

The local Nursing Association retains a District Nurse.

I cannot speak too highly of the valuable and efficient work done by Nurse Wynne Jones during the past year, her services are much appreciated by doctors and patients.

Total number of visits paid were 3,559.  
Midwifery cases numbered 35.

## Home Help

There is no Home Help in the Area.

## Clinics

Ante-Natal and Child Welfare Clinics are under the control of the County Medical Officer of Health. Infant Welfare Centre held at the Presbyterian Church Hall every Friday 1-30 to 4-30 p.m. A Medical Officer attends every first and third Friday.

Orthopaedic Clinic at the Old Emmanuel School, Rhyl every first and third Friday mornings 10-30 to 12-30. Orthopaedic Nurse attends every session. Surgeon attends every two months.

Ante-Natal Clinic at Presbyterian Church Hall, first and third Friday, 9-30 a.m.

The Tuberculosis Clinic, in charge of the Medical Officers of the King Edward VII. Memorial, is held at 27 Edward Henry Street, Rhyl, every Friday at 10 a.m.

Free Hospital, Sanatorium, Clinical and



Domiciliary treatment is available to all persons suffering from tuberculosis by arrangements made with the King Edward VII Welsh National Memorial Association through the County Council.

### **Propaganda**

No new or special propaganda by the Health Department during 1947.

### **Venereal Disease**

Treated at the Chester Royal Infirmary, Out Patients Department. All forms of venereal disease are examined and treated under conditions of strict secrecy. Cost of travelling to the Infirmary is paid by the County Council, if patients cannot afford to do so. The tracing of contacts and the follow up of defaulters is undertaken by the County Medical Officer's Department.

### **Hospitals**

There are none in the Urban Area.

Infectious cases are treated at the St. Asaph Isolation Hospital.

### **Notification of Births, Maternity & Child Welfare**

Entirely under the control of the Flintshire County Council and their health visitors.

### **Maternity Facilities**

There are two private Maternity Homes in the area, and one, Chatsworth House, under the control of the Flintshire County Council.

There are four registered midwives practising in the area.

## **Nutrition**

The Council do not provide free food for meals.

## **Ophthalmia Neonatorum**

No cases have been reported during the year.

## **Scabies**

Cases of Scabies, I am glad to say have almost disappeared. Any which do occur are notified and treated.

## **Tuberculosis**

For numbers of new cases, etc., see Table II.

No action required to be taken under the Public Health (Prevention of Tuberculosis) Regulations 1926 (relating to persons suffering from pulmonary tuberculosis employed in the milk trade) or under Section 172 of the Public Health Act 1936 (relating to the compulsory removal to hospital of persons suffering from Tuberculosis).

The aftercare of persons suffering from Tuberculosis is dealt with by a special Committee, who meet quarterly to consider the needs, financial or otherwise of each individual case.

All patients are visited in their homes by specially appointed nurses under the direction of the County Medical Officer and Tuberculosis Physician.

All dwellings are disinfected as and when required. A register is kept of all cases in the area.

## **Zymotic Diseases**

The number notified during the year was 91 (see



Table I). Of these, 13 received treatment at the St. Asaph Isolation Hospital. Care is taken to see that all necessary disinfection of premises and clothing is carried out. I hope a disinfector will be provided as soon as possible, as it is an urgent necessity and would save the expense and inconvenience of having to take bedding and articles of clothing outside the area.

### **Diphtheria Immunisation**

The above service was inaugurated in June, 1940. A regular series of sessions have been carried out throughout the year.

I wish to thank the Medical Practitioners for their helpful and efficient co-operation.

During the year 96 children under the age of 5 years and 9 over the age of 5 years were treated making a total of 105. In addition 6 children of school age received reinforcing injections.

Since 1940, 1,615 children have been immunised.

Diphtheria antitoxin (APT and TAF) is always available to Medical Practitioners on application at the Public Health Department, Council Offices.

### **Public Places of Entertainment**

As required by Ministry of Health Circular 120/1920, all places of entertainment requiring Singing, Music and Dancing licences have been inspected for fire fighting apparatus, exits, general cleanliness, conveniences, etc., and except for minor defects, found to be satisfactory.

### **Rag and Flock Act**

No action necessary

## Smoke Abatement

There has been no cause for complaint during the year. The local Steam Laundry is the only industry in the area, but by co-operation with the owners the smoke nuisance is reduced to a minimum.

## Schools

Are under the control of the County Council Authority. The Heads of Schools are immediately notified of any cases of infectious diseases occurring amongst the scholars or in their homes.

## Lodging Houses

There are no Common Lodging Houses within the District.

## GENERAL STATISTICS & SOCIAL CONDITIONS

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### Social Conditions

The district is purely urban, and as a seaside resort its chief interest is the catering for and entertainment of visitors. There is a large amount of residential property which would have greatly increased but for building restrictions following the war. The population largely consists of retired people.

Two Limestone Quarries are operating in the area. Unemployment is practically nil.

|                               |     |     |     |     |       |
|-------------------------------|-----|-----|-----|-----|-------|
| Area (in acres)               | ... | ... | ... | ... | 3,655 |
| Population (Census 1921)      | ... | ... | ... | ... | 4,083 |
| " " 1931                      | ... | ... | ... | ... | 4,511 |
| Estimated population Mid 1947 | ... | ... | ... | ... | 8,171 |



|                                      |            |         |
|--------------------------------------|------------|---------|
| Estimated number of inhabited houses | (1921) ... | 770     |
| " " " "                              | (1931) ... | 1,579   |
| " " " "                              | (1933) ... | 1,590   |
| Rateable value                       | ... ..     | £79,712 |
| Sum represented by a 1d. rate        | ... ..     | £315    |

## VITAL STATISTICS

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### Birth Rate

The number of births registered was 124.

|        |                | M  | F  | Total |
|--------|----------------|----|----|-------|
| Births | { Legitimate   | 62 | 51 | 124   |
|        | { Illegitimate | 5  | 6  |       |

giving a rate per 1,000 population of 15.18, compared with the rate for England & Wales which is 20.5.

Deaths of infants under 1 year of age were 5, or in proportion 40. per 1000 of the registered births.

For England and Wales the figure was 43. Deaths from diarrhoea and enteritis 1.

### Still Births

Total 4. Males 3, Females 1, all legitimate, giving a rate per 1000 civilian population of 0.49, as compared with 0.50 for England and Wales

### Death Rate

The total number of deaths of residents belonging to the area was 124. The number of deaths of residents and non-residents registered by the local Registrar was 86. To this there has to be added 45 deaths of residents who died outside the area and 7 deaths subtracted, being those of non-residents who died within the area, giving a

corrected number of 124, which on the civilian population of 8171 gives a death rate per thousand population of 15.18. For England and Wales the rate is 12.0.

The outstanding feature is that 91 deaths were those of people over 65 years of age, practically three-fourths of the total deaths.

Heart diseases accounted for 41, Intracranial vascular diseases for 13, Cancer for 18, all essentially diseases of elderly people. Puerperal causes, nil, measles, nil. Deaths from all causes of tuberculosis, 8.

For causes of death see Table iii.

## Cemetery

There have been 48 interments in Coed Bell Cemetery during 1947, as compared with 65 in 1946.

Protestants—44

Catholics—3

Common Grave—1

In conclusion I wish to thank the Chairman and Members of the Public Health Committee for their support and encouragement, also the Clerk, Mr J. Lloyd Hughes and his staff.

I remain,

Your obedient servant.

(Signed) J. TUDOR GRIFFITHS,

Medical Officer of Health.



TABLE I.  
NOTIFIABLE DISEASES DURING THE YEAR 1947.

| DISEASE.             | At all<br>Ages | Under<br>1 year | 1-2 | 2-3 | 3-4 | 4-5 | 5-10 | 10-15 | 15-20 | 20-35 | 35-45 | 45-65 | Over<br>65 | Cases<br>admitted<br>to<br>Hospital |
|----------------------|----------------|-----------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|------------|-------------------------------------|
| Scarlet Fever ...    | 11             | ...             | ... | ... | ... | 1   | 8    | 2     | ...   | ...   | ...   | ...   | ...        | 8                                   |
| Diphtheria (Obs.)    | 2              | ...             | ... | ... | ... | ... | 1    | ...   | ...   | ...   | ...   | 1     | ...        | 2                                   |
| Erysipelas ...       | 4              | ...             | ... | ... | ... | ... | ...  | 1     | ...   | 1     | ...   | 2     | ...        | 1                                   |
| Whooping Cough       | 18             | ...             | 3   | 4   | 4   | 1   | 5    | 1     | ...   | ...   | ...   | ...   | ...        | ...                                 |
| Measles ...          | 52             | 3               | 5   | 5   | 7   | 3   | 20   | 7     | 1     | ...   | ...   | ...   | ...        | ...                                 |
| Lobar Pneumonia      | 2              | ...             | ... | ... | ... | ... | ...  | ...   | 2     | ...   | ...   | ...   | ...        | ...                                 |
| Cerebro Spinal Fever | 1              | ...             | ... | ... | ... | ... | ...  | ...   | 1     | ...   | ...   | ...   | ...        | 1                                   |
| Ant. Poliomyelitis   | 1              | ...             | ... | ... | ... | ... | ...  | 1     | ...   | ...   | ...   | ...   | ...        | 1                                   |
| Total ...            | 91             | 3               | 8   | 9   | 11  | 5   | 34   | 12    | 1     | 4     | 1     | 3     | 0          | 13                                  |

TABLE II.

TUBERCULOSIS—New Cases and Mortality during 1947.

| Age<br>Periods | New Cases |     |                   |     | Deaths    |     |                   |     |
|----------------|-----------|-----|-------------------|-----|-----------|-----|-------------------|-----|
|                | Pulmonary |     | Non-<br>Pulmonary |     | Pulmonary |     | Non-<br>Pulmonary |     |
|                | M         | F   | M                 | F   | M         | F   | M                 | F   |
| 0...           | ...       | ... | ...               | ... | ...       | ... | ...               | ... |
| 1...           | ...       | ... | ...               | ... | ...       | ... | ...               | ... |
| 5...           | ...       | ... | ...               | ... | ...       | ... | ...               | ... |
| 10...          | 1         | ... | 1                 | ... | ...       | ... | ...               | ... |
| 15...          | ...       | 2   | ...               | ... | ...       | ... | ...               | ... |
| 20...          | 1         | 1   | ...               | ..  | 1         | ... | ...               | ... |
| 25...          | 2         | 1   | ...               | ... | ...       | 1   | ...               | ... |
| 35...          | 2         | ... | ...               | ... | 2         | 1   | ...               | ... |
| 45...          | 2         | ... | ...               | ... | 1         | ... | ...               | ... |
| 55...          | 1         | ... | ...               | ... | 2         | ... | ...               | ... |
| 65 &<br>upw'ds | ...       | ... | ...               | ... | ...       | ... | ...               | ... |
|                | 9         | 4   | 1                 | ... | 6         | 2   | ...               | ... |



TABLE III.—Causes of Deaths

during the year 1947

|  | Males     | Females   | Total      |
|--|-----------|-----------|------------|
| Typhoid and Paratyphoid fevers ...                               | 0         | 0         | 0          |
| Cerebro and Spinal Fever ...                                     | 0         | 0         | 0          |
| Scarlet Fever ... ..   | 0         | 0         | 0          |
| Whooping Cough ... ..  | 0         | 0         | 0          |
| Diphtheria ... ..  | 0         | 0         | 0          |
| Tuberculosis of respiratory system ...                           | 5         | 3         | 8          |
| Other forms of tuberculosis ..                                   | 0         | 0         | 0          |
| Syphilitic diseases ... ..                                       | 0         | 1         | 1          |
| Influenza ... ..   | 0         | 0         | 0          |
| Measles... ..  | 0         | 0         | 0          |
| Acute Poliomyelitis and<br>Polioencephalitis ... ..              | 0         | 1         | 1          |
| Acute Infantile Encephalitis ...                                 | 0         | 1         | 1          |
| Cancer of Buccal cavity, Uterus (F),<br>Oesophagus, (M) ... ..   | 0         | 1         | 1          |
| Cancer of Stomach and Duodenum                                   | 4         | 2         | 6          |
| Cancer of Breast ... ..  | 0         | 1         | 1          |
| Cancer of all other sites ... ..                                 | 5         | 6         | 11         |
| Diabetes ... ..  | 0         | 1         | 1          |
| Intra.-cran: Vasc: Lesions ...                                   | 8         | 5         | 13         |
| Heart diseases ... ..  | 21        | 20        | 41         |
| Other diseases of circ. system ...                               | 3         | 2         | 5          |
| Bronchitis ... ..  | 4         | 0         | 4          |
| Pneumonia ... ..   | 2         | 0         | 2          |
| Other respiratory diseases ...                                   | 2         | 3         | 5          |
| Ulcer of Stomach or Duodenum ...                                 | 0         | 0         | 0          |
| Diarrhoea (under 2 years) ...                                    | 1         | 0         | 1          |
| Appendicitis ... ..  | 1         | 0         | 1          |
| Other digestive diseases ... ..                                  | 3         | 3         | 6          |
| Nephritis ... ..   | 3         | 1         | 4          |
| Puerperal and post abortive Sepsis ...                           | 0         | 0         | 0          |
| Other Maternal causes ... ..                                     | 0         | 0         | 0          |
| Premature Birth ... ..   | 0         | 1         | 1          |
| Congenital malformation, birth<br>injury, infantile diseases ... | 1         | 1         | 2          |
| Suicide ... ..   | 0         | 0         | 0          |
| Road traffic accidents ... ..                                    | 0         | 0         | 0          |
| Other violent causes ... ..                                      | 0         | 0         | 0          |
| All other causes ... ..  | 3         | 5         | 8          |
| <b>TOTAL</b> ...   | <b>66</b> | <b>58</b> | <b>124</b> |

# TABLE IV.—Infant Mortality,

During the Year 1947

Nett Deaths from stated causes at various Ages under  
One Year of Age.

| Cause of Death              |                            | Under 1 Week | 1-2 Weeks | 2-3 Weeks | 3-4 Weeks | 1-3 Months | 3-6 Months | 6-9 Months | 9-12 Months | Total Deaths under 1 Year |
|-----------------------------|----------------------------|--------------|-----------|-----------|-----------|------------|------------|------------|-------------|---------------------------|
| All Causes                  | { Certified<br>Uncertified |              |           |           |           |            |            |            |             |                           |
| Small Pox ...               | ...                        |              |           |           |           |            |            |            |             |                           |
| Chicken Pox ...             | ...                        |              |           |           |           |            |            |            |             |                           |
| Measles ...                 | ...                        |              |           |           |           |            |            |            |             |                           |
| Scarlet Fever ...           | ...                        |              |           |           |           |            |            |            |             |                           |
| Whooping Cough ...          | ...                        |              |           |           |           |            |            |            |             |                           |
| Diphtheria and Croup        | ...                        |              |           |           |           |            |            |            |             |                           |
| Erysipelas ...              | ...                        |              |           |           |           |            |            |            |             |                           |
| Tuberculosis Meningitis     | ...                        |              |           |           |           |            |            |            |             |                           |
| Abdominal Tuberculosis      | ...                        |              |           |           |           |            |            |            |             |                           |
| Other Tuberculous Diseases  | ...                        |              |           |           |           |            |            |            |             |                           |
| Meningitis not Tuberculosis | ...                        |              |           |           |           |            |            |            |             |                           |
| Convulsions ...             | ...                        |              |           |           |           |            |            |            |             |                           |
| Laryngitis ...              | ...                        |              |           |           |           |            |            |            |             |                           |
| Bronchitis ..               | ...                        |              |           |           |           |            |            |            |             |                           |
| Pneumonia (all forms)       | ...                        |              |           |           |           |            |            |            |             |                           |
| Diarrhoea ...               | ...                        |              |           |           |           | 1          |            |            |             | 1                         |
| Enteritis ...               | ...                        |              |           |           |           |            |            |            |             |                           |
| Gastritis ...               | ...                        |              |           |           |           |            |            |            |             |                           |
| Syphillis ...               | ...                        |              |           |           |           |            |            |            |             |                           |
| Rickets ..                  | ...                        |              |           |           |           |            |            |            |             |                           |
| Suffocation, overlying      | ...                        |              |           |           |           |            |            |            |             |                           |
| Injury at Birth ...         | ...                        |              |           |           |           |            |            |            |             |                           |
| Atelectasis ...             | ...                        | 1            |           |           |           |            |            |            |             | 1                         |
| Congenital Malformations    | ...                        |              |           |           |           |            | 1          |            |             | 1                         |
| Ophthalmia Neonatorum       | ...                        |              |           |           |           |            |            |            |             |                           |
| Premature Birth ...         | ...                        | 1            |           |           |           |            |            |            |             | 1                         |
| Atrophy, Debility, and Mar- | ...                        |              |           |           |           | 1          |            |            |             | 1                         |
| sumus ...                   | ...                        |              |           |           |           |            |            |            |             |                           |
| Other causes ...            | ...                        |              |           |           |           |            |            |            |             |                           |
| Total ...                   | ...                        | 2            | 0         | 0         | 0         | 2          | 1          | 0          | 0           | 5                         |

Total Births in the Year:—124. Males, 62; Females, 51.  
(Of these 11 were Illegitimate).



## ADULTERATION, ETC.

**Food and Drugs Act**

Your Inspector under this Act has reported as follows :—

I beg to furnish you with the following particulars of Samples purchased under the above Act in your district during the year ended 31st December, 1947.

| Description<br>of Sample | Number<br>Taken | Genuine | Not<br>Genuine | Cautious | Proceed-<br>ings |
|--------------------------|-----------------|---------|----------------|----------|------------------|
| New Milk                 | 14              | 9       | 5              | 3        |                  |
| Irish Stew               | 1               | 1       |                |          |                  |
| Bread                    | 2               | 2       |                |          |                  |
| Yorks. Pudding           |                 |         |                |          |                  |
| Mixture                  | 1               | 1       |                |          |                  |
| Evaporated Milk          | 1               | 1       |                |          |                  |
| Self Raising Flour       | 1               | 1       |                |          |                  |
| Veal Loaf                | 1               | 1       |                |          |                  |
| Soap Powder              | 1               | 1       |                |          |                  |
| Vinegar                  | 1               | 1       |                |          |                  |
| Total                    | 23              | 18      | 5              | 3        |                  |

With regard to the other two samples proved "Not Genuine" the attention of the vendors was drawn to their obligations as Milk Retailers that all milk supplied must be of the standard required by law.

Yours faithfully,

D. ROBERTS,

Inspector,  
for Superintendent.

## SANITARY INSPECTOR'S REPORT FOR 1947

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### General Summary of Visits, Etc.

#### General Sanitation

|  |     |     |     |     |     |     |
|--|-----|-----|-----|-----|-----|-----|
| Water Supply                                       | ... | ... | ... | ... | ... | 47  |
| Drainage   | ... | ... | ... | ... | ... | 315 |
| Stables, Piggeries, etc.                           | ... | ... | ... | ... | ... | 34  |
| Fried Fish Sheds                                   | ... | ... | ... | ... | ... | 15  |
| Camps, etc.  | ... | ... | ... | ... | ... | 96  |
| Factories and Workshops                            | ... | ... | ... | ... | ... | 35  |
| Bakehouses   | ... | ... | ... | ... | ... | 36  |
| Public Conveniences                                | ... | ... | ... | ... | ... | 107 |
| Rats and Mice                                      | ... | ... | ... | ... | ... | 71  |
| Schools  | ... | ... | ... | ... | ... | 3   |
| Verminous Premises                                 | ... | ... | ... | ... | ... | 14  |
| Miscellaneous Visits                               | ... | ... | ... | ... | ... | 134 |
| Complaints received and investigated               | ... | ... | ... | ... | ... | 258 |
| Number of Nuisances abated                         | ... | ... | ... | ... | ... | 415 |
| Number of Preliminary notices served for nuisances | ... | ... | ... | ... | ... | 446 |
| Formal notices for nuisances                       | ... | ... | ... | ... | ... | 0   |

#### Infectious Disease

|                            |     |     |     |     |    |
|----------------------------|-----|-----|-----|-----|----|
| Number of cases occurring  | ... | ... | ... | ... | 91 |
| Enquiries                  | ... | ... | ... | ... | 10 |
| Number removed to Hospital | ... | ... | ... | ... | 13 |
| Disinfection               | ... | ... | ... | ... | 43 |

#### Meat & Food Inspection

|                         |     |     |     |     |    |
|-------------------------|-----|-----|-----|-----|----|
| Butchers Shops          | ... | ... | ... | ... | 31 |
| Fishmongers             | ... | ... | ... | ... | 25 |
| Grocers                 | ... | ... | ... | ... | 45 |
| Ice Cream Premises      | ... | ... | ... | ... | 48 |
| Food Preparing Premises | ... | ... | ... | ... | 48 |

#### Sanitary Defects etc.

|                              |     |     |     |     |     |
|------------------------------|-----|-----|-----|-----|-----|
| Number of stopped drains     | ... | ... | ... | ... | 281 |
| Number of defective drains   | ... | ... | ... | ... | 13  |
| Choked or insanitary ditches | ... | ... | ... | ... | 3   |



|  |     |     |     |    |
|--|-----|-----|-----|----|
| Number of defective septic tanks               | ... | ... | ... | 6  |
| Defective W.C. cisterns and fittings           | ... | ... | ... | 6  |
| Defective E.C. and W.C.                        | ... | ... | ... | 16 |
| Dirty condition of houses, outhouses and yards | ... | ... | ... | 5  |
| Animals etc, kept under insanitary conditions  | ... | ... | ... | 8  |
| Want of Lime Washing                           | ... | ... | ... | 11 |
| Defective inspection chambers                  | ... | ... | ... | 5  |
| Defective sink and wastepipes                  | ... | ... | ... | 4  |
| Burst Water Pipes                              | ... | ... | ... | 1  |
| Defective Roofs                                | ... | ... | ... | 6  |
| Defective Floors                               | ... | ... | ... | 3  |
| Defective Pavings                              | ... | ... | ... | 3  |
| Defective eaves and downspouts                 | ... | ... | ... | 8  |
| Accumulation of Refuse                         | ... | ... | ... | 6  |
| Dilapidated dust bins                          | ... | ... | ... | 48 |
| Defective wall and ceiling plaster             | ... | ... | ... | 17 |
| Dampness                                       | ... | ... | ... | 18 |
| Defective Grates                               | ... | ... | ... | 3  |
| Bed bugs, beetles, etc., infestation           | ... | ... | ... | 12 |
| Defective Chimneys                             | ... | ... | ... | 4  |
| Insufficient water supply                      | ... | ... | ... | 1  |
| Rat infestations                               | ... | ... | ... | 32 |
| Miscellaneous                                  | ... | ... | ... | 30 |

### Nuisances from premises other than dwellings

|                  |     |     |     |     |     |    |
|------------------|-----|-----|-----|-----|-----|----|
| Club Rooms       | ... | ... | ... | ... | ... | 6  |
| Farms            | ... | ... | ... | ... | ... | 7  |
| Camps            | ... | ... | ... | ... | ... | 6  |
| Cafes            | ... | ... | ... | ... | ... | 14 |
| Offices          | ... | ... | ... | ... | ... | 3  |
| Shops            | ... | ... | ... | ... | ... | 17 |
| Schools          | ... | ... | ... | ... | ... | 13 |
| Bakeries         | ... | ... | ... | ... | ... | 7  |
| Hotels           | ... | ... | ... | ... | ... | 6  |
| Factories        | ... | ... | ... | ... | ... | 7  |
| Garages          | ... | ... | ... | ... | ... | 7  |
| Laundry          | ... | ... | ... | ... | ... | 3  |
| Fried Fish Shops | ... | ... | ... | ... | ... | 4  |
| Miscellaneous    | ... | ... | ... | ... | ... | 7  |

### Refuse Collection and Disposal

|   |     |     |     |
|---|-----|-----|-----|
| Number of visits re Collection and Salvage... | ... | ... | 108 |
| Number of visits re Disposal                  | ... | ... | 60  |

The refuse is disposed of by Controlled Tipping and is collected by two Karrier Bantam Lorries drawing

trailers for salvage collection. Considerable time and labour has been expended to ensure a clean and tidy tip.

The rat population is almost non-existent, but small infestations at harvest time, etc., are dealt with as they arise

|   |     |     |           |               |
|---|-----|-----|-----------|---------------|
| Refuse Collected  | ... | ... | 2691 tons | } (estimated) |
| Refuse Disposed of  | ... | ... | 2797 tons |               |
| Number of premises from which refuse was collected ... 3432 |     |     |           |               |

## House and Trade Refuse Collection

2065 loads weighing 2619 tons.

26 nightsoil pails are serviced each week.

No charge is made for disposal of refuse by private persons at the refuse tip.

|                                  |     |     |     |             |
|----------------------------------|-----|-----|-----|-------------|
| Total tonnage refuse collected   | ... | ... | ... | 2619        |
| Total tonnage refuse disposed of | ... | ..  | ... | 2797        |
| Area in acres                    | ... | ... | ... | 3655        |
| Population ..                    | ... | ... | ... | 8171        |
| Number of premises...            | ... | ... | ... | 3432        |
| Rateable value                   | ... | ... | ... | £79712      |
| Product of 1d. in £              | ... | ... | ... | £315        |
| General Rate in £                | ... | ... | ... | ...18s. 3d. |

## Salvage

|                 | Tons | Cwts | Qrs | Lbs | £    | s. | d. |
|-----------------|------|------|-----|-----|------|----|----|
| Mixed Paper     | 52   | 10   | 2   | 8   | 245  | 1  | 7  |
| White           | 1    | 13   | 0   | 24  | 5    | 6  | 0  |
| Books and Mags. | 2    | 2    | 1   | 26  | 8    | 19 | 2  |
| Jars            | 4    | 11   | 2   | 0   | 24   | 12 | 10 |
| Bones           |      | 15   | 2   | 0   | 4    | 3  | 5  |
| Rags            | 2    | 10   | 3   | 8   | 29   | 18 | 3  |
| Mixed Metals    |      | 2    | 0   | 14  | 2    | 7  | 7  |
|                 | 64   | 6    | 0   | 24  | £319 | 8  | 10 |

I cannot emphasize too strongly the continued necessity for salvaging waste paper. The amount salvaged shows a marked decrease after the end of the



war, whilst the need is just as great. The biggest drop in collection is from private houses.

## Water Sampling

|                                | Bacteriological |    | Chemical |   |
|--------------------------------|-----------------|----|----------|---|
| Town Main supply ....          | ....            | 17 | ....     | 2 |
| Holywell R.D.C. ...            | ...             | 4  | ...      | 0 |
| Private Supply Wells, etc. ... | ...             | 3  | ...      | 0 |
| Prestatyn Gutter ...           | ...             | 4  | ...      | 0 |
| Swimming Pools ...             | ...             | 10 | ...      | 0 |
| Total samples taken...         | ...             | 38 | ...      | 2 |

In general the Bacteriological reports on the main supplies have been Grade 1. Very satisfactory.

The reports of the Chemical examinations are also satisfactory, the only comment being the hardness of the water.

The samples from Prestatyn Gutter were a check on possible fouling by septic tank effluents, the samples were satisfactory for stream water.

Regular samples are taken from the three Swimming Pools during the season and the results are generally satisfactory.

## Milk Supplies

|  |     |     |     |     |
|--|-----|-----|-----|-----|
| Number of samples taken ...                  | ... | ... | ... | 71  |
| Examinations carried out on above samples .. | ... | ... | ... | 108 |

### Number of Samples taken of each grade

|                       |     |     |     |     |    |
|-----------------------|-----|-----|-----|-----|----|
| Pasteurised ...       | ... | ... | ... | ... | 2  |
| Tuberculin Tested ... | ... | ... | ... | ... | 37 |
| Accredited ...        | ... | ... | ... | ... | 13 |
| Ungraded ...          | ... | ... | ... | ... | 19 |

### Results of Examinations

|                       |     |     |     |     |    |
|-----------------------|-----|-----|-----|-----|----|
| <i>Resazurin Test</i> |     |     |     |     |    |
| Category A ...        | ... | ... | ... | ... | 54 |
| Category B ...        | ... | ... | ... | ... | 13 |
| Category C ...        | ... | ... | ... | ... | 4  |

|  |     | Satisfactory |     | Unsatisfactory |   |
|--|-----|--------------|-----|----------------|---|
| Tuberculin Tested  | ... | 21           | ... | 7              |   |
| Accredited   | ... | 7            | ... | 0              |   |
| Pasteurised  | ... | 2            | ... | 0              |   |
| Number of farms producing milk within the district                     | ... |              |     |                | 8 |
| Tuberculin tested  | ... | ...          | ... | ...            | 5 |
| Accredited   | ... | ...          | ... | ...            | 1 |
| Ordinary   | ... | ...          | ... | ...            | 6 |
| Number of farms outside the district supplying milk into the district. | ... | ...          | ... | ...            | 8 |
| Tuberculin tested  | ... | ...          | ... | ...            | 5 |
| Accredited   | ... | ...          | ... | ...            | 1 |
| Ordinary   | ... | ...          | ... | ...            | 2 |

### Milk Licenses

|  |      |    |
|--|------|----|
| To bottle and use designation: Tuberculin tested | ...  | 3  |
| Supplementary licenses to use designation:       |      |    |
| Tuberculin tested (Certified)                    | .... | 1  |
| Tuberculin tested                                | .... | 2  |
| Pasteurised                                      | .... | 3  |
| Visits to Cowsheds and Farms                     | .... | 33 |
| Visits to Dairies and Milk shops                 | .... | 43 |

### Biological Testing.

The County Council undertake the Biological Testing of Milk.

### Fried Fish Shops

|  |      |   |
|--|------|---|
| Number of Fried Fish shops in District                         | .... | 5 |
| These shops are well conducted and are inspected periodically. |      |   |

### Food and Drugs Act, 1938. Section 14

|   |    |
|---|----|
| Premises registered for the manufacture and sale of Ice Cream | 5  |
| Premises for sale only  | 27 |
| Premises for manufacture of sausages, cooked meat etc.        | 16 |

### Ice Cream

With the coming into operation of the (Heat Treatment) Regulations, 1947, on May 1st, and the Ministry circular 69/47 (Wales) suggesting the use of Methylene Blue for the Bacteriological testing of Ice



Cream, sampling of this commodity has been intensified and 27 samples were taken during the season.

I would like to record the ready and keen co-operation I have received from the Ice Cream traders in our efforts to reach and maintain the standard of Ice Cream in the Top Grades of this test.

## Meat & other Food Inspection

All the town's Meat supply is slaughtered and inspected at the Rhyl Municipal Abattoir.

Other foods, canned goods etc., are inspected as necessary and the following is a list of unsound food condemned in shops.

|                          | Tins    | lbs.     |
|--------------------------|---------|----------|
| Milk ... ..              | 320     | 290      |
| Sweets...                | 3 boxes | 13       |
| Baked Beans ... ..       | 146     | 185      |
| Horse Mackerel ... ..    | 2       | 2        |
| Carrots ... ..           | 61      | 46       |
| Stewed Steak ... ..      | 19      | 23       |
| Tinned Fruit ... ..      | 167     | 161      |
| Beef Loaf ... ..         | 1       | 12 ozs.  |
| Spinach ... ..           | 5       | 9        |
| Corned Beef ... ..       | 4       | 3        |
| Green Beans ... ..       | 4       | 5        |
| Tinned Fish ... ..       | 177     | 79       |
| Stew ... ..              | 2       | 2        |
| Dried Fruit ... ..       | —       | 12½      |
| Tinned Sausage ... ..    | 6       | 7        |
| Orange Juice ... ..      | —       | 1 bottle |
| Fresh Oranges...         | —       | 1 case   |
| Bacon ... ..             | —       | 47       |
| Tinned Soup ... ..       | 144     | 96       |
| Chopped Ham ... ..       | 37      | 40       |
| Tinned Potatoes ... ..   | 26      | 53       |
| Tinned Turnips ... ..    | 10      | 4        |
| Steak and Kidney Pudding | 12      | 12       |
| Peas ... ..              | 69      | 75       |
| Marmalade and Jam ... .. | 16      | 16½      |
| Mac Cheese ... ..        | 6       | 5        |
| Piccalily ... ..         | 31 jars | 26       |
| Cheese ... ..            | —       | 24       |
| Tomatoes ... ..          | 12      | 25       |
| Mixed Vegetables ... ..  | 204     | 310      |

|                     |     |     | Tins |         | lbs. |
|---------------------|-----|-----|------|---------|------|
| Beetroot            | ... | ... | 157  | ...     | 91   |
| Dried Eggs          | ... | ..  | 8    | packets | —    |
| Onion Extract       | ... | ... | 12   | jars    | 6    |
| Mustard             | ... | ... | 15   | ...     | 4    |
| Meat and Fish Paste | ... | ... | 4    | jars    | 2    |
| Baking Powder       | ... | ... | 1    | ...     | 6    |
| Fresh Fish          | ... | ... | —    | ...     | 1023 |
| Cabbage             | ... | ... | —    | ...     | 1    |

Bakehouses and other food premises are inspected periodically and any nuisances are quickly remedied, on the occupiers notice being drawn to them



## Factories, Workshops and Workplaces

### 1—INSPECTIONS for purposes of provisions as to health

| Premises   | Number<br>on<br>Register | Number of  |                 |                      |
|--|--------------------------|------------|-----------------|----------------------|
|  |                          | Inspection | Written notices | Occupiers prosecuted |
| (i) Factories in which Sections 1, 2, 3, 4 and 6 are to be enforced by Local Authorities                       | 47                       | 35         |                 |                      |
| (ii) Factories not included in (i) in which Section 7 is enforced by Local Authorities                         |                          |            |                 |                      |
| (iii) Other Premises in which Section 7 is enforced by the Local Authority † (excluding out-workers' premises) |                          |            |                 |                      |
| TOTAL  | 47                       | 35         | Nil             | Nil                  |

### 2—CASES IN WHICH DEFECTS WERE FOUND

| Particulars   | Number of cases in which defects were found |          |                            | Number of cases in which prosecutions were instituted |
|---|---|----------|----------------------------|---|
|   | Found                                       | Remedied | Referred To H.M. Inspector |   |
| Want of cleanliness ...   | 6   | 6        |                            |   |
| Overcrowding ...  |   |          |                            |   |
| Unreasonable temperature ...  |   |          |                            |   |
| Inadequate ventilation ...  |   |          |                            |   |
| Ineffective drainage of floors...   |   |          |                            |   |
| Sanitary Conveniences   |   |          |                            |   |
| (a) insufficient ...  |   |          |                            |   |
| (b) unsuitable or defective ...   | 18  | 18       |                            |   |
| (c) not separate for sexes ...  |   |          |                            |   |
| Other offences against the Act (not including offences relating to Outwork) ... |   |          |                            |   |
| TOTAL   | 24  | 24       | Nil                        | Nil   |

## Rodent Infestation

Since 1943 the Council have employed a full time Rodent Officer, who has done his work so well and concientiously that his full time services are no longer necessary, he has therefore been made general assistant in the Health Department with Rodent Control as one of his duties.

The sewers are testbaited twice a year and their population is very small.

Small infestations, chiefly back yard poultry keepers, are dealt with as they arise.

The refuse tip is treated regularly and there is no "resident" rat population.

## Camps

There are three licensed camping sites and one Caravan Club site within the district, each is serviced by water closets connected to the main sewer. They are very well conducted and the owners co-operate to the full with this department in keeping the sites clean and tidy.

Several fields are let off for camping during the season, and are exempt from licensing under Sub-Section 2 of Sec 269 Public Health Act 1936.

These are inspected during the season and generally are maintained in good condition.

## Talacre Warren

There are 78 hutmemnts within the district, 19 of which are permanently occupied (12 by owner occupiers and 7 by tenants) the remainder are occupied during the summer months only.



This district is not sewered and nightsoil is disposed of by chemical closets. There is no nuisance in this respect.

The water supply is part of the Holywell R.D.C. supply and during the peak periods of the summer months the supply is not always adequate.

## HOUSING

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### Inspection of Dwelling Houses during the year :—

- |   |         |
|---|---------|
| (1) (a) Total number of dwelling-houses inspected for housing defects (under Public Health or Housing Acts)   | 352     |
| (b) Number of inspections made for the purpose  | ... 370 |
| (2) (a) Number of dwelling-houses (included under sub-head (1) above) which were inspected and recorded under the Housing Consolidated Regulations, 1925        | ... 25  |
| (b) Number of inspections made for the purpose  | ... 38  |
| (3) Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation                                    | ... 1   |
| (4) Number of dwelling-houses (exclusive of those referred to under the preceding sub-head) found not to be in all respects reasonably fit for human habitation | ... 338 |

### 2 Remedy of defects during the year without Service of formal Notices :—

|   |         |
|---|---------|
| Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their officers | ... 320 |
|---|---------|

### 3 Action under Statutory Powers during the year :—

#### (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 | ... — |
|---|-------|

- (2) Number of dwelling houses which were rendered fit after service of formal notices:—

|   |     |     |     |     |   |
|---|-----|-----|-----|-----|---|
| (a) By owners                               | ... | ... | ... | ... | — |
| (b) By Local Authority in default of owners |     |     |     |     | — |

(B) Proceedings under Public Health Acts:

- (1) Number of dwelling-houses in respect of which notices were served requiring defects to be remedied ... .. —

- (2) Number of dwelling-houses in which defects were remedied after service of formal notices:—

|   |     |     |     |     |   |
|---|-----|-----|-----|-----|---|
| (a) By owners                               | ... | ... | ... | ... | — |
| (b) By Local Authority in default of owners |     |     |     |     | — |

(C) Proceedings under Sections 11 & 13 of the Housing Act, 1936

- (1) Number of dwelling-houses in respect of which Demolition Orders were made ... .. —

- (2) Number of dwelling-houses demolished in pursuance of Demolition Orders ... .. nil

(D) Proceedings under Section 12 of the Housing Act, 1936.

- (1) Number of separate tenements or underground rooms in respect of which Closing orders were made ... .. nil

- (2) Number of separate tenements or underground rooms in respect of which Closing Orders were determined, the tenement or room having been rendered fit ... .. nil

4. Housing Act, 1936 (*Overcrowding*)

- (a) (1) Number of dwellings overcrowded at the end of the year ... .. nil

- (2) Number of families dwelling therein ... nil

- (3) Number of persons dwelling therein ... nil

- (b) Number of new cases of overcrowding reported during the year ... .. 7

- (c) (1) Number of cases of overcrowding relieved during the year ... .. 7

- (2) Number of persons concerned in such cases ... 44



- (d) Particulars of any cases in which dwelling-houses have again become overcrowded after the Local Authority have taken steps for the abatement of overcrowding ... .. nil
- (e) Any other particulars with respect to overcrowding conditions upon which the Medical Officer of Health may consider it desirable to report ... nil

### Houses owned by the Local Authority

The following is a list of properties owned by the local Council.

|                 |     |           |
|-----------------|-----|-----------|
| Caradoc Terrace | ... | 15 houses |
| Dawson Park     | ... | 66 "      |
| Bryn Melyd Road | ... | 22 "      |
| Isfryn Road     | ... | 22 "      |
| Gas Works House | ... | 1 "       |
| Bryn Rhosyn     | ... | 72 "      |

In conclusion of my report, may I express my appreciation for the help and many kindnesses shown by the Chairman and members of the Health Committee Dr. J. Tudor Griffiths, Medical Officer of Health, Mr J. Lloyd Hughes, Clerk to the Council, the indoor and outdoor staff.

I. WYNN JONES,  
Sanitary Inspector.

## CLIMATOLOGY OF PRESTATYN

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### Temperature

|                                     |     |     |            |
|-------------------------------------|-----|-----|------------|
| Average Maximum Temperature         | ... | ... | 55.9 Fahr. |
| „ Minimum                           | „   | ... | 43.7 Fahr. |
| Summer Months                       | ... | ... | 64.4 Fahr. |
| Winter Months                       | ... | ... | 45.8 Fahr. |
| Number of Days with over 65°        | ... | ... | 95 days.   |
| Number of Days below freezing point | ... | ... | 65 days.   |

### Sunshine

|                       |     |     |               |
|-----------------------|-----|-----|---------------|
| Total for the year    | ... | ... | 1387.6 hours. |
| Highest Monthly Total | ... | ... | August.       |
| Lowest                | „   | „   | December.     |

### Rainfall

|                    |     |     |         |
|--------------------|-----|-----|---------|
| Total for the year | ... | ... | 25.238" |
| Below Normal       | ... | ... | 3.2"    |
| Wettest Month      | ... | ... | March   |
| Driest             | „   | ... | August  |

### Visability

Fog occurred on 8 days.

### Wind

There were no gales of over 48 m.p.h.



GREEN DISTRICT COUNCIL  
P. 1000

1000

1000

1000