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Contributors

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THE URBAN DISTRICT OF TYWYN



ANNUAL
HEALTH REPORT
FOR
1966

I have the honor to submit the Annual Report for 1966. The Registrar General's estimate of the mid-year population was 4,180 (4,170 in 1965). There were 88 live births and 64 deaths. There were no stillbirths, and no maternal deaths. Two infants died in the first year of life. 38 of the 88 deaths were from strokes, heart and coronary artery disease. Eight deaths were due to cancer. One new case of Pulmonary Tuberculosis was notified and there was one death from this disease.

The table below gives a comparison with the previous 5 years.

1966	1965	1964	1963	1962	1961
4,180	4,170	4,110	3,930	3,870	3,821
88	88	80	67	63	62
13.4	21.4	19.46	17.06	16.56	16.18
Nil	Nil	1	4	5	7
2	2	1	1	2	Nil
69	69	63	48	48	7
1	2	3	Nil	2	Nil
2	Nil	1	Nil	Nil	Nil
8	9	10	6	10	7

Below are some figures from the Annual Report for 1966, 60 years from 1906. This was of course an unusual year but the figures may be of interest.

From the Annual Report for 1916

Population of Tywyn (Estimated) 2,748

Population of Merioneth 40,232

Number of live births 57

Live Birth Rate per 1,000 population 20.78

Infant Mortality - Number of

H. FRANCIS, M.B., Ch.B., D.P.H.,
District Medical Officer of Health,
E.V. COLLINS, M.R.S.H., M.A.P.H.I.,
Public Health Inspector.

THE URBAN DISTRICT COUNCIL OF TYWYN.

ANNUAL REPORT FOR THE YEAR ENDED 31st DECEMBER, 1966.

To: The Chairman and Members of the Tywyn Urban District Council.

Mr. Chairman and Gentlemen,

I have the honour to submit the Annual Report for 1966. The Registrar General's estimate of the mid-year population was 4,180 (4,170 in 1965). There were 56 live births and 69 deaths. There were no stillbirths, and no maternal deaths. Two infants died in the first year of life. 36 of the 69 deaths were from strokes, heart and coronary artery disease. Eight deaths were due to cancer. One new case of Pulmonary Tuberculosis was notified and there was one death from this disease.

The table below gives a comparison with the previous 5 years.

	1966	1965	1964	1963	1962	1961
Population	4,180	4,170	4,110	3,930	3,870	3,821
Live Births	56	69	80	67	53	64
Live Birth Rate per 1,000 population	13.4	16.54	19.46	17.05	13.69	17.15
Stillbirths	Nil	Nil	1	.4	5	Nil
Infant deaths	2	Nil	1	1	2	Nil
Total deaths	69	59	53	48	45	7
T.B. New Cases	1	2	2	Nil	2	Nil
T.B. Deaths	2	Nil	1	Nil	Nil	Nil
Deaths from Cancer	8	9	10	6	10	7

Below are some figures from the Annual Report for 1916, 50 years from 1966. This was of course an unusual year but the figures may be of interest.

From the Annual Report for 1916

Population of Merioneth	40,432
Population of Tywyn (Estimated)	3,748
Number of Live Births	51
Live Birth Rate per 1,000 populations	12.4
Infant Mortality - Number of deaths under one year of age.	3

Cause of Death

Whooping Cough	2
Erysipales	1
Pulmonary T.B.	4
Tuberculous Meningitis	2
Cancer Malignant disease	5
Meningitis	3
Organic Heart disease	10
Bronchitis	3
Pneumonia (all forms)	3
Nephritis and Brights disease	2
Congenital debility	1
Other defined diseases	17
<hr/>	
Total.	53

Death Rate per 1,000 populations - 14.1

I wish to thank Mr. Collins, the Clerk and all the other Council Officials for their help and co-operation during the year.

Finally I thank the members of the Council for their continued support.

I remain,

Your obedient servant,

(signed) H. FRANCIS

District Medical Officer of Health.

GENERAL STATISTICS
1966.

SECTION A.

Area of District	...	...	...	...	22,959 acres
Rateable Value	...	...	...	...	111,380
Population (Registrar General's figures)	...	...	...	...	4,180
Sum represented by Penny Rate	...	...	...	...	£427
Number of inhabited houses (According to the Rate Book at end of year)	...	...	...	...	1,540

VITAL STATISTICS

Comparability Factors -

Births	...	1.28
Deaths	...	0.81

BIRTHS

<u>Live Births</u>		<u>Males</u>	<u>Females</u>
Total	56	28	28
Legitimate	51	27	24
Illegitimate	5	1	4

Live Birth Rate per 1,000 population - 13.4
1965 figures - 16.54

Illegitimate Live Births (per 1,000 population) - 1.2

<u>STILL BIRTHS</u>	<u>Males</u>	<u>Females</u>
Total	Nil	Nil
<u>Still Birth Rate per 1,000 populations</u>	Nil	Nil
<u>Still Birth Rate per 1,000 Total Live and Still Births</u>	Nil	Nil

<u>TOTAL BIRTHS (Live & Still) - 56.</u>	<u>Males</u>	<u>Females</u>
Live	28	28
Still	-	-

DEATHS

<u>Deaths of Infants under One Year.</u>	<u>Males</u>	<u>Females</u>
Total	1	1
Legitimate	1	1
Illegitimate	Nil	Nil

Infant Mortality Rate per 1,000 Live Births - 35.7
 1965 figures - Nil

Deaths of Legitimate Infants Mortality
 (per 1,000 Legitimate Live Births) - 39.2

Deaths of Illegitimate Infants Mortality
 (per 1,000 Illegitimate Live Births) - Nil

<u>DEATHS OF INFANTS UNDER 4 WEEKS.</u>	<u>Males</u>	<u>Females</u>
Total	Nil	1
Legitimate	Nil	1
Illegitimate	Nil	Nil

<u>DEATHS OF INFANTS UNDER 1 WEEK OF AGE</u>	<u>Males</u>	<u>Females</u>
Total	Nil	1
Legitimate	Nil	1
Illegitimate	Nil	Nil

Neo-Natal Mortality Rate - 17.86

Early Neo-Natal Mortality Rate - 17.86

Perinatal Mortality Rate - 17.86

MATERNAL DEATHS (including abortion) - Nil

MATERNAL MORTALITY (Rate per 1,000 Live
 Still Births) - Nil

1965 figures - Nil

<u>DEATHS</u>	<u>Males</u>	<u>Females</u>
Total number - 69	34	35
Rate per 1,000 population - 14.11		
1965 figures - 14.15		

DEATHS FROM CANCER

Total Number - 8

Rate per 1,000 population - 1.91
 1965 figures - 2.16

DEATHS FROM TUBERCULOSIS.

Total Number - 2

Rate per 1,000 population - 0.48
 1965 figures - Nil

GENERAL PROVISIONS OF HEALTH SERVICES IN THE AREA

(1) Public Health Officers of the Authority

One Medical Officer of Health
 One Public Health Inspector/Surveyor.

(2) Laboratory Facilities

Water analysis (chemical) by the Public Analyst Chester.
Bacteriological examination of water at the Public
Health Laboratory Aberystwyth.

(3) Ambulance Facilities

One Part time, situated at W.D. Pugh, Beacon Garage, Tywyn.

(4) Infant Welfare Clinics

Church Hall , Tywyn, Fortnightly on Tuesdays.
Every 3rd Tuesday in the month at the Church House, Aberdyfi,

(5) Ante Natal Clinics.

This clinic is held at Tywyn Hospital on the last
Wednesday in the month 1st and 3rd Fridays.

(6) Orthopaedic Clinic.

Held at Tywyn Hospital on the 1st and 2nd Tuesdays.

(7) TUBERCULOSIS CLINIC.

Tywyn Hospital on the 2nd and 4th Fridays.

(8) IMMUNISATION

Immunisation against Diphtheria, Whooping Cough, tetanus and
Poliomyelitis is carried out at the Infant Welfare Centre
and in General Practitioners surgeries and in the Primary
Schools.

(9) HOSPITALS

One Hospital at Tywyn.

(10) INFECTIOUS DISEASES.

Total number of Infectious diseases (other than Tuberculosis)
notified during the year :- 1

Scarlet Fever	-	Nil
Bacillary Dysentery	-	Nil
Whooping Cough	-	Nil
Measles	-	1
Infantile Paralysis	-	Nil
Pneumonia	-	Nil

TUBERCULOSIS

New Cases

Pulmonary TOTAL 1
 Males 1 Females Nil

Non-Pulmonary TOTAL Nil
 Males Nil Females Nil

TUBERCULOSIS DEATHS

Pulmonary TOTAL 2
 Males 2 Females Nil

Non-Pulmonary TOTAL Nil
 Males Nil Females Nil

TUBERCULOSIS

New cases and Mortality during 1966 in age groups

Age Periods	Respiratory		Non-Respiratory		Respiratory		Non-Respiratory	
	M	F	M	F	M	F	M	F
0								
1								
2								
3								
5								
10								
15								
20								
25								
35								
45								
55	1							
65								
75								
TOTAL	1							

<u>CAUSES OF DEATH 1966.</u>		<u>Males</u>	<u>Females</u>
Tuberculosis Pulmonary.....	2	-	
Tuberculosis, other.....			
Syphilitic disease.....			
Other infective and parasitic disease.....			
Cancer Stomach.....	1	-	
" Bronchus.....	3	-	
" Breast.....			
" Uterus.....	-	1	
" Other sites.....	1	2	
Leukaemia, aleukaemia.....			
Diabetes.....			
Vascular lesions of nervous system	7	7	
Coronary disease, angina.....	9	3	
Hypertension with heart disease.....	2	1	
Other heart diseases.....	4	3	
Other circulatory disease.....	-	6	
Influenza.....			
Pneumonia.....	2	2	
Bronchitis.....	1	-	
Ulcer of stomach and duodenum.....			
Gastritis, enteritis and diarrhoea.....	-	1	
Nephritis and nephrosis.....	1	1	
Pregnancy, childbirth, abortion.....			
Hyperplasia of prostate.....			
Congenital malformations.....	1	6	
Other defined and ill-defined diseases.....			
Motor vehicle accidents.....	-	2	
All other accidents.....			
Suicide.....			
Other diseases of respiratory system.....			
	34	35	
<u>FOOD HYGIENE</u>			

Advise was given to food handlers generally during the year.
 No. of prosecutions - Nil.

PUBLIC HEALTH INSPECTOR'S REPORT
SANITARY CIRCUMSTANCES OF THE AREA
WATER SUPPLY

Aberdyfi, Brynecrug, Tywyn and Cwrt.

The supply of water to these communities was plentiful and satisfactorily maintained. The Merioneth Water Board became the statutory water undertaking for the County on 1st April, 1965, but the Tywyn Urban District Council continued to operate the Towns Supply Agents to the Board until 31st October, 1965.

The supply is of an excellent bacteriological standard. Close liaison is maintained between the Council and the Merioneth Water Board.

Bacteriological Examination of Water.

30 samples from public and private supplies were submitted for analysis, the results of which were as follows -

SUPPLY	Satisfactory		Unsatisfactory		Total	
	1965	1966	1965	1966	1965	1966
Aberdyfi	10	7	-	1	10	8
Mertrinant	2	1	-	-	2	1
Brynecrug	10	8	-	-	10	8
Cwrt and Pennal	2	1	-	-	2	1
Tywyn	12	10	-	-	12	10
Private	3	2	-	-	3	2
TOTAL	39	29	-	1	39	30

The figures for 1965 are shown for comparison

DRAINAGE AND SEWERAGE

Aberdyfi

The discharge of crude sewage into the Dovey Estuary is still the means of disposal. No complaints were received respecting beach and Foreshore pollution.

During the year tenders were invited for the construction of the Aberdyfi Sewerage Scheme which comprises of a gravity and rising pumping main system, together with two pumping stations. Work commenced on the scheme on 1st November, 1966, and the estimated completion date is approximately 18 months. During the year four swabs were taken in the sewerage system at Aberdyfi and submitted to the Public Health Laboratory service at Aberystwyth and Conway. No salmonella was isolated.

Tywyn

The Gravitation System and Pumping Station functioned satisfactorily.

Bryncrug

The sewage pumping station and disposal works serving this village functioned satisfactorily. Effluent samples taken for analysis by the Gwynedd River Authority proved to be satisfactory.

PUBLIC CLEANSING

The system of public cleansing operating in the District is collection of refuse by a 20 cubic yard Pakanatic Refuse Collection Vehicle, and two weekly collections are maintained for the majority of properties in the district. The outlying properties are collected once weekly. Refuse disposal is carried out by controlled tipping at the two disposal tips situate at Tywyn and Aberdyfi respectively. The tips are maintained in a satisfactory manner.

Public Conveniences - The several public conveniences in the district were maintained in a satisfactory condition, both structurally and sanitary throughout the year. Some mis-use of the conveniences was experienced through the activities of vandals. One new block of public conveniences for both sexes have been provided at the Promenade, Tywyn, and a new block for both sexes has been incorporated at the Pumping Station at Aberdyfi, Wharf.

SANITARY INSPECTION OF THE AREA

The number and nature of visits were as follows-						1966
Abattoir	...	...	...	...	...	156
Accumulations	...	...	...	...	...	8
Bakehouses	...	...	...	...	...	16
Cinemas	...	...	...	...	...	10
Caravan and Camping Sites	...	...	...	...	...	140
Dairies and Milk Supplies	...	...	...	...	...	32
Dirty Condition of Premises	...	...	...	...	...	2
Disinfestation	...	...	...	...	...	12
Drainage and Sewerage	...	...	...	...	...	110
Dwelling Houses	...	...	...	...	...	350
Factories	...	...	...	...	...	31
Food Premises - General	...	...	...	...	...	80
Fouling of Water Courses	...	...	...	...	...	1
Hill Farming Act	...	...	...	...	...	1
Ice Cream Premises	...	...	...	...	...	22
Improvement Grants	...	...	...	...	...	42
Infectious Diseases and Disinfection	...	...	...	...	...	1
Keeping of Animals	...	...	...	...	...	1
Licensed Premises	...	...	...	...	...	12
National Assistance Act	...	...	...	...	...	Nil
Nuisances	...	...	...	...	...	110
Offensive Odours	...	...	...	...	...	1
Petroleum Acts	...	...	...	...	...	30
Public Conveniences	...	...	...	...	...	70
Refuse Collection and Disposal	...	...	...	...	...	150
Rodent Control	...	...	...	...	...	25
Schools	...	...	...	...	...	1
Shops Act	...	...	...	...	...	70
Smoke Nuisances	...	...	...	...	...	1
Unsound Food	...	...	...	...	...	18
Water Supplies	...	...	...	...	...	36
Miscellaneous Visits	...	...	...	...	...	197
Total	...	...	...	...	...	<u>1737</u>

Complaints received and investigated - 160

The number of notices served and complied with were as shown:-

Statute	Notices not complied with at end of 1966.	Notices served during 1965.		Notices complied with during 1966.	Notices not complied with at end of 1966.
		Statutory	Informal		
Public Health Act	4	-	160	140	8
Food and Drugs Act	Nil	-	1	1	-
Housing Act	2	-	6	4	1
Damage by Pests Act	-	-	-	-	-
Clean Air Act	-	-	-	-	-
TOTAL	6	-	167	145	9

1. Factories Act, 1937 to 1959.
Inspections for purposes of provisions as to health -

Premises	Number on Register	Number of		Occupiers Prosecuted.
		Inspections	Written Notices	
Factories in which Sections 3, 4 and 6 are to be enforced by Local Authorities	7	11	-	-
Factories not included in 1. in which Section 7 is enforced by the Local Authority.	21	19	-	-
Other premises in which Section 7 is enforced by the Local Authority (Excluding out-workers premises)	1	1	-	-
TOTAL	29	31	-	-

2. Defects Found

Particulars	Found	Number of Defects		Referred by H.M. Inspector	Prosecutions.
		Remedied	Referred by H.M. Inspector		
Want of Cleanliness (S.I.)	-	-	-	-	-
TOTAL	-	-	-	-	-

Disinfection.

Three premises were disinfected during the year, following cases of infectious and other diseases.

Disinfestation.

Twelve premises were treated for insect infestation including ants, beetles, flies and cockroaches.

Anti-fly measures were again carried out on the Aberdyfi and Tywyn refuse depositories.

Rodent Control

All rodent work at private dwellings was again carried out free of charge, but the cost incurred in treating agricultural and business premises was recovered from the occupiers.

The work of the Rodent Operative during the year is shown below -

Type of Property	Inspections	Number infested and treated for		Visits for Treatment	Total Visits
		Rats	Mice		
Local Authority Properties	160	26	-	56	242
Dwelling Houses	140	22	12	136	310
Agricultural Properties	162	25	-	92	279
Business Properties	45	6	12	45	108
TOTAL	507	79	24	329	939

In addition the Aberdyfi and Tywyn sewers were twice treated during the year and regular treatments carried out on the Council's two Refuse Depositories.

Caravan Sites.

The Council's Caravan Site situated at Ynysyngwyn was opened at Easter, 1966. The site provided for 30 caravans at the onset but owing to the demand, the site licence was increased to forty five. A new toilet block with septic tank system of drainage was constructed. The area of the site is $4\frac{1}{2}$ acres and can eventually accommodate 90 caravans. There are 22 established sites in the area, with site licences for 1,239 caravans.

Hill Farming and Livestock Rearing Acts.

No schemes were effected during the year.

Improvement Grants.

Fourteen applications for grant-aid under the provisions of the House Purchase and Housing Act, 1959, for improvement to houses were received and approved during the year. The grants involved amounted in total to £3,703.

INSPECTION AND SUPERVISION OF FOOD

Meat and Food Inspection.

The table which appears overleaf gives the number of carcasses inspected and particulars of carcasses and parts thereof condemned at the local slaughterhouse :-

lbs	Qtrs	Cwt	Form				
2	3	-	-	...	...	...	Meat
4	1	8		...	...	...	Other
8	0	9					
							TOTAL

	Cattle	Sheep and Lambs	Pigs	Horses
Number killed	276	4025	55	-
Number inspected	276	4025	55	-
<u>All diseases except Tuberculosis</u>				
Whole condemned	-	2	-	-
Part or organ condemned	36	340	14	-
Percentage of number affected	-	-	-	-
<u>Tuberculosis only</u>				
Whole condemned	Nil	Nil	Nil	Nil
Part or organ condemned	Nil	Nil	Nil	Nil
Percentage of number affected	Nil	Nil	Nil	Nil
<u>Cystioercus.</u>				
Part or organ condemned				
Carcasses submitted for treatment	No	Cases	Detected	
Totally condemned				

The total number of carcasses examined during the year was 4356.

Weight of Diseased and Unsound Meat and Offal Condemned.

	<u>Tons</u>	<u>Cwts</u>	<u>Qrts</u>	<u>Lbs</u>
Meat	-	-	3	2
Offal		8	1	4
		9	0	6

All this meat and offal was disposed of for processing and recovery purposes by the owners of the slaughterhouse.

Analysis of Causes of Condemnation

1. Whole Carcasses - 2 sheep - oedema
2. 1 Pig complete with offal - fevered

	CATTLE					SHEEP AND LAMBS				PIGS							
	Head and Tongue	Lungs	Livers	Part Liver	Spleen	Skirt	Shoulders	Legs	Lungs	Livers	Leg	Head and Tongues	Lungs	Livers	Hearts	Kidneys	Stomach and Intestines
Abcess		2	12						2	2							
Actinomyccosis																	
Angioma			4														
Bruising																	
Bacilliary Necrosis																	
Congestion		2		3	1			8					2				
Cysts		4	6					32	52								
Degeneration																	
Facioliosis		10	6	40					28								
Milk Spot														10			
Malformation																	
Parasitic		46	68						32								
Pericarditis																	
Peritonitis																	
Pleurisy		1						20					2				
Pneumonia													5				
Stongyli																	
Tuberculosis																	
Melanosis																	
TOTALS	-	65	96	43	1	-	-	-	62	114	-	-	9	10	-	-	-

I am pleased to report that there were no lessions of Tuberculosis found in any animals slaughtered during this year.

Slaughterhouse Control and Meat Transport.

No applications were received for licences in respect of new private slaughterhouses. Adequate facilities to meet the needs of all the local butchers are provided at the existing slaughterhouse owned by the Tywyn Wholesale Meat Co. Ltd.

The general conditions at the slaughterhouse have been well maintained and the standard of hygiene and cleanliness most satisfactory. The work on the provision of additional facilities under the new legislation has been satisfactorily completed. The stunning pen has proved particularly beneficial in ensuring the maximum safety and absence of cruelty.

All meat was inspected prior to leaving the slaughterhouse and was of very good quality throughout the year. Regular visits to the slaughterhouse are made by the Divisional Veterinary Officer.

The transport and handling of all meat has been carried out satisfactorily, every precaution being taken to prevent the soiling and contamination of dressed carcasses and offal.

Other Foods Condemned

The following table gives details of the nature of the foodstuffs found to be unfit for human consumption. They were disposed of by burial.

86 lbs. Hind Australian Beef - Deep seated ab-cess
12 lbs. Tinned Runner Beans.
237 Tins Various Foodstuffs Blown
11 lbs. Butter - Rancid
10 lbs. Cooked Ham - Blown.

MILK SUPPLY

No. of Licensed dealers in the District - 13

The duties concerned with sampling of milk under the Milk Regulations was transferred to the County Council in 1961. Mr. R.T. Edwards, Chief Inspector of Weights and Measures, has reported as follows on samples taken in the District during the year -

MILK (SPECIAL DESIGNATION) REGULATIONS, 1960

BACTERIOLOGICAL SAMPLES

CLASS OF MILK	NO. OF SAMPLES	APPROPRIATE TESTS	NUMBER OF SAMPLES	
			Passes	Failed
Pasteurised	36	Phosphatase Methylene Blue	36 34	- 2
Untreated	16	Methylene Blue	14	2
Sterilised	1	Turbidity	1	-

BIOLOGICAL MILK SAMPLES

No. of samples tested	- 16
Tuberculosis or Brucella Infection	- -
Number of licensed dealers in Tywyn District	, - 13

Ice-Cream.

There are 28 premises in the District registered for the sale of ice-cream. All ice-cream sold in the district is wrapped or pre-packed.

Regular inspections were made of the premises and they were all found to maintain good standard of hygiene.

No samples taken.

Food Hygiene.

There are 113 food premises in the district, comprising 9 hotels and licensed premises, 37 guest and boarding houses, 12 cafes and restaurants, 24 grocers (including green-grocers) 2 fish frying restaurants, 2 bakehouses, 6 school canteens, 5 butcher shops and 12 confectioners shops. In addition there are the 28 ice-cream premises previously mentioned in the report although some of these are included in the premises listed above.

Offices, Shops and Railway Premises Act, 1963.

Every premises to which this act applies have been duly registered with the Local Authority and the general standard of compliance with the provisions of the Act is good. The total number of registered premises is ninety five.

The standard of hygiene and cleanliness at these premises was generally found to be quite good and I am pleased to report that several improvements were effected during the year. In particular it was found that a number of shops had installed refrigerated food display cabinets. An increasing number of shopkeepers, too, are displaying their goods in transparent wrapped containers which provide good protection against external contamination. This indicated an improved awareness of the need for good hygiene in the food catering industry.

Food and Drugs Act, 1955.

Sampling of food for compositional quality under the above Act is administered by the County Council. Mr. R.T. Edwards, Chief Inspector of Weights and Measures has reported as follows on samples taken in the District during the year.

ARTICLE	NO. OBTAINED	NO. CERTIFIED AS ADULTERATED OR NOT UP TO STANDARD	REMARKS.
Agarol	1	-	
Aludox	1	-	
Cakes	3	-	
Codis	1	-	
Dequidin Lozenges	1	-	
Double Cream	2	-	
Milk (Formal)	18	4	
Milk (Informal)	1	1	
Milk Loaf	1	-	
Pork sausages	1	-	
Total	30	5	