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BOROUGH OF COLWYN BAY



ANNUAL REPORT

for the years

1971 and 1972

of the

MEDICAL OFFICER OF HEALTH

Frederick P. Peach

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

which includes the

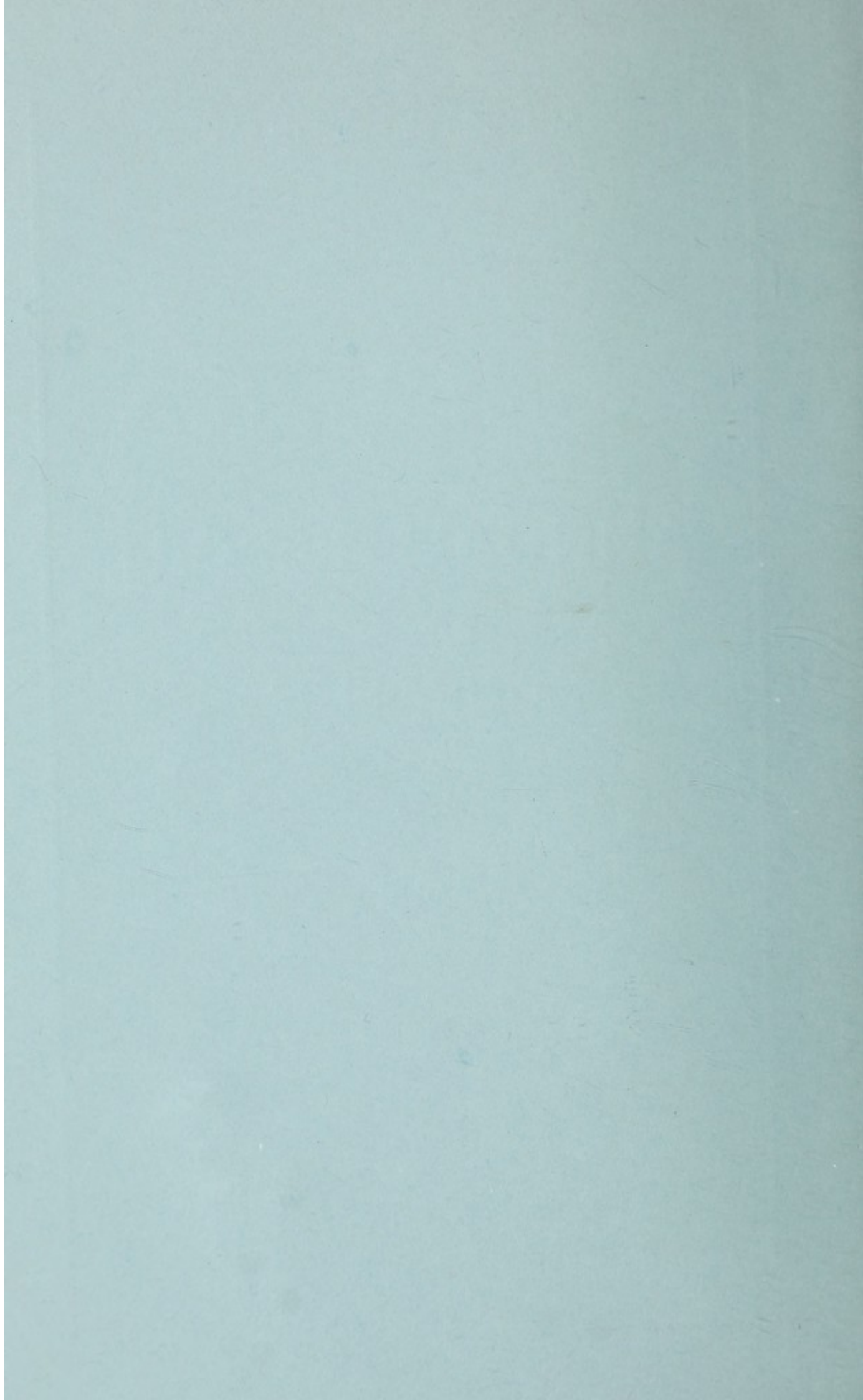
Annual Report

of the

CHIEF PUBLIC HEALTH INSPECTOR

M. Pattinson

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



HEALTH COMMITTEE, 1972-73

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Councillor R. Formstone	„ G. H. Nicklin
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„ A. J. Hislop	„ Dr. J. C. Williams

Mayor of the Borough: Councillor F. N. Cawley

STAFF OF THE HEALTH DEPARTMENT, 1972-73

Medical Officer of Health:

FREDERICK P. PEACH,
M.B., Ch.B., D.P.H., M.F.C.M.

Chief Public Health Inspector:

M. PATTINSON,
F.A.P.H.I., F.R.S.H., M.R.I.P.H.H.

Deputy Public Health Inspector:

W. E. GRIFFITH,
M.A.P.H.I., M.R.S.H., M.R.I.P.H.H.

Additional Public Health Inspector:

R. N. SQUIRE,
M.A.P.H.I.

Clerical Staff:

Senior Administrative Officer:

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Mr. D. J. Williams	Mrs. V. M. Rees
Mrs. Y. Wilkshire	Mrs. S. Quick

(The Clerical staff serves the County Administrative area. The equivalent of two whole-time Clerks are employed by Colwyn Bay Corporation)

To: The Chairman and Members of the Health Committee,
Colwyn Bay Coroporation.

Madam Chairman and Gentlemen,

I am pleased to present to you my annual report on the health of the district for the years 1971 and 1972. I apologise for the lateness in presenting this report to you, but during the last year not only has the work of the Department increased, there has, in addition, been a considerable amount of work involved in the coming Re-organisation of Local Government and the National Health Service, both of which have involved me in a considerable amount of additional work.

Vital Statistics

The Registrar-General's estimated population for the mid-year 1971 is 25,480, which is a real increase in the population of 380 during the year. The total number of births occurring in the district was 278, which is a fall compared with 1970, when the figure was 320. The total number of deaths registered was 457, compared with 494 registered in 1970. Therefore there was a natural decrease in the population of 179. This, of course, is to be expected due to the proportionately large number of elderly people residing in the Borough. Therefore, it would appear that during the year 559 people moved into the district from other areas and it would appear from the study of the statistics from and including 1963 that the population has been growing by an average of 300 per annum. The corrected birth rate for the year is 13.7, compared with 16.0 for 1970. The corrected death rate is 11.3, compared with 12.4 for 1970. The infant mortality rate at 25 shows an increase compared with 1970, when it was recorded as 16. There were 6 deaths occurring in infants under the age of 1 year during 1971, 4 of them occurring in infants under the age of 4 weeks. In all cases the cause was associated with prematurity and was unavoidable. The illegitimate birth rate of total live births is the same as last year and stands at 11, which is a high rate compared with the rate for England and Wales, which is 8.

The Registrar-General's estimated population for the mid-year 1972 is 25,470, which shows a real decrease in the population compared with mid-year 1971 of 10. This is the first time that the population of Colwyn Bay has shown a

decrease within a decade. The total live births during the year was 270, compared with 278 during 1971, giving a corrected birth rate of 15.1, compared with a rate of 16.0 for 1971. The total number of deaths was 529, compared with 457 for the previous year. Therefore, there was a natural decrease in the population of 72, which means that the total population of Colwyn Bay decreased by 82 during the year. In a population such as Colwyn Bay, which has approximately three times the number of persons over the age of retirement compared with the percentage of England and Wales, it is inevitable that there is a natural decrease in the population each year, i.e. more deaths than live births, but it is difficult to explain the sudden real decrease in the population during the year and this, if the Registrar-General's estimated figure for mid-year 1972 is to be accepted, would indicate that the trend of approximately 300 persons per year migrating into the area has, for some obscure reason, been modified in that only 62 persons moved into the area during the year. This may be due to the economic and social conditions which prevailed throughout the country, discouraging people to retire relatively early or await their moving to a relatively high cost area to enjoy their retirement. The illegitimate birth rate, of which I expressed concern in past years, when it was 11% of the total live births, has now fallen to 7%, which is slightly lower than the national figure, which stands at 8% of live births. The total infant deaths was one child under 1 week of age, giving an infant mortality rate of 4, compared with the rate of 25 for 1971.

Housing

As in previous years, the excellent liaison between the Housing and Health Departments has continued and many difficult problems of individual hardship have been resolved by the officers of the Department working as a team.

The enlightened policy of the Colwyn Bay Council in accepting housing as a major social service in the concept of a multidisciplinary approach in establishing links and lines of communication between housing, health and the social services has, I believe, set a pattern for the essential "bridge" between the District Councils, County Councils and Area Health Authorities which will be necessary when re-organisation takes place.

The planning of new Council housing development must be based on a firm knowledge of the needs of the com-

munity and the identification of the "more vulnerable" such as the aged, the one-parent families and the young family groups, etc. The compilation and evaluation of this information is carried out in Colwyn Bay by a team of officers consisting of the Medical Officer, the Housing Welfare Officer, the Housing Officer and the Financial Officer, with the Medical Officer acting as co-ordinator, and in respect of individual applicants for housing, each application is thoroughly investigated by the Housing Welfare Officer, who is a trained case worker, and the link between housing, health and social services.

In Colwyn Bay the heaviest demand on housing is inevitably made by the elderly, Colwyn Bay having in excess of three times the national average of persons over the age of retirement in its population, over 45% of these being between the ages of 71 and 81 years, the problem being amplified by the trend in recent years of post-retirement persons moving into the area in a subnormal state of health with inadequate financial resources. In my last report I referred to this problem in some length and advised the Council that such people had little hope of obtaining satisfactory housing accommodation and should take cognizance of this fact before contemplating moving into this area.

I am pleased to see that the excellent record of Colwyn Bay as a Housing Authority has been maintained in 1972. The new site at Parkway and the proposed development of 60 dwellings with a community complex on the Fron Site will greatly add to the alleviation of much hardship amongst our elderly population and enable them to live in peace, tranquillity and dignity, and I trust that whatever changes that the future may bring, the policy of the present Council will be perpetuated in implementing its housing policy as a major social service.

Care of the Elderly

The scheme known as "The Colwyn Bay Project in the Care of the Elderly", conceived and operated by the Health Department, has been well publicised in the past, but since my last report the Social Services Department of the County Council are now charged with many of the services to elderly people. Nevertheless, the officers of the Health Department are still very much involved in providing advice and services to the elderly persons in the Borough and, as with housing, the concept of a multidisciplinary approach

between Social Services, the Health Department and the General Practitioners is evolving. Weekly meetings are now being held between officers of the Borough Health Department and Social Services, in which both group and individual problems arising during the week are discussed and methods of resolution are planned.

I am grateful to you, Madam Chairman, and the members of the Health Committee for their advice and support during the year and also to my fellow Chief Officers and their staffs. I would also like to express my thanks to Mr. Pattinson and the Public Health Inspectors and also for the loyalty and support I have received from the staff of the Health Department.

Yours sincerely,

FREDERICK P. PEACH,
Medical Officer of Health

The Civic Centre,
Colwyn Bay

VITAL STATISTICS 1971

Area of Borough (acres)	7,124
Census, 1961	23,283
Registrar-General's estimated population (mid-1971)	25,480
No. of inhabited dwellings 31.3.71 (estimate) ...	9,728
Rateable Value (31.3.71)	£1,149,235
Sum represented by a penny rate	£10,800
No. of houses built by the Corporation during 1971	Nil
No. of houses built by private enterprise	94

Live Births:

	Male	Female	Total
Total	1	2	3
Legitimate	118	130	248
Illegitimate	15	15	30

Comparability factor for births — 1.26

Birth Rate per 1,000 population:

(a) Crude	10.9
(b) Corrected	13.7
Ratio of local adjusted birth rate to national rate ...	0.86
Illegitimate Birth Rate of total live births	11.0

Still Births:

	Male	Female	Total
Total	1	2	3
Legitimate	1	1	2
Illegitimate	0	1	1

Still birth rate per 1,000 still and live births — 11.0

Infants Deaths:

	Male	Female	Total
Under 1 year of age	5	2	7
Under 4 weeks of age	2	2	4
Under 1 week of age	2	2	4

Infant Mortality Rates:

(a) Total infant deaths per 1,000 live births	25
(b) Legitimate infant deaths per 1,000 legitimate live births	24

(c) Illegitimate infant deaths per 1,000 illegitimate live births	33
Neo-Natal Mortality Rate:	
Deaths under 4 weeks per 1,000 live births	14
Early Neo-Natal Mortality Rate:	
Deaths under 1 week per 1,000 live births	14
Peri-Natal Mortality Rate:	
Still births and deaths under 1 week combined per 1,000 total live and still births	25
Maternal Mortality	Nil
Deaths:	
	Male Female Total
	194 263 457
Comparability factor for deaths	0.63
Death Rate per 1,000 population:	
(a) Crude	17.9
(b) Corrected	11.3
Ratio of local adjusted death rate to national rate ...	0.97
Causes and ages of death	

Of the total number of deaths registered during the year (457), 261 were due to diseases affecting the heart and blood vessels, of which 121 were due to conditions affecting the coronary arteries, all but 4 of the deaths from cardiovascular disease occurring in persons over the age of 45 years. In respect of deaths from malignant disease, 23 were due to carcinoma of the lung or bronchus, this being the single largest cause of death within this group. Both carcinoma of the lung and coronary artery disease are associated with present-day social patterns. The relationship between smoking and lung cancer are well-known, as is also faulty diet, obesity, stress and sedentary occupations with coronary thrombosis, and although the public have been made well aware of the relationship between these factors through the mass media and newspapers and other propaganda media, it would seem that supplying of information is not enough, but what is required are motivating factors to change the behavioural patterns of a large section of the community.

The following table shows the chief statistics for the past 8 years—

	1964	1965	1966	1967	1968	1969	1970	1971
Population	23490	23910	24170	24680	24990	25060	25100	25480
Birth Rate:								
(a) Crude	13.36	11.75	11.62	13.3	12.2	11.8	12.7	10.9
(b) Corrected	17.63	15.51	15.33	17.55	15.37	14.9	16.0	13.7
Infant Mortality								
Rate	19.1	10.69	7.1	27.0	20.0	27.0	16.0	25.0
Still Birth Rate...	6.3	27.67	20.9	3.0	6.4	17.0	15.0	11.0
Death Rate:								
(a) Crude	17.7	17.44	19.48	17.8	17.2	20.9	19.7	17.9
(b) Corrected	10.78	10.46	11.49	10.32	10.8	13.2	12.4	11.3

The ages at which death occurred were—

Age Group	Male	Female	Total
Under 4 weeks	2	2	4
4 weeks and under 1 year	3	0	3
1 — 4 years	0	0	0
5 — 14 years	0	1	1
15 — 24 years	0	0	0
25 — 34 years	1	0	1
35 — 44 years	2	1	3
45 — 54 years	9	7	16
55 — 64 years	25	23	48
65 — 74 years	75	53	128
75 years and over	83	173	256
	<u>200</u>	<u>260</u>	<u>460</u>

VITAL STATISTICS 1972

Registrar-General's estimated population (mid-1972)	25,470
No. of inhabited dwellings (31.3.72)	9,833
Rateable Value (31.3.72)	£2,588,803
Sum represented by a penny rate	£24,000
No. of houses built by the Corporation during 1972	23
No. of houses built by private enterprise	125

Live Births:

	Male	Female	Total
Total	153	117	270
Legitimate	141	110	251
Illegitimate	12	7	19

Comparability factor for births — 1.42

Birth Rate per 1,000 population:

(a) Crude	10.6
(b) Corrected	15.1
Ratio of local adjusted birth rate to national rate ...	1.02
Illegitimate Birth Rate of total live births	7.0

Still Births:

	Male	Female	Total
Total	1	1	2
Legitimate	1	1	2
Illegitimate	0	0	0

Still birth rate per 1,000 still and live births — 7.0

Infant Deaths:

	Male	Female	Total
Under 1 year of age	1	0	1
Under 4 weeks of age	1	0	1
Under 1 week of age	1	0	1

Infant Mortality Rates:

(a) Total infant deaths per 1,000 live births	4
(b) Legitimate infant deaths per 1,000 legitimate live births	4
(c) Illegitimate infant deaths per 1,000 illegitimate live births	0

Neo-Natal Mortality Rate:

Deaths under 4 weeks per 1,000 live births 4

Early Neo-Natal Mortality Rate:

Deaths under 1 week per 1,000 live births 4

Peri-Natal Mortality Rate:Still births and deaths under 1 week combined per
1,000 total live and still births 11**Maternal Mortality** Nil**Deaths:**

	Male	Female	Total
	229	300	529
Comparability factor for deaths			0.55

Death Rate per 1,000 population:

(a) Crude 20.8

(b) Corrected 11.4

Ratio of local adjusted death rate to national rate ... 0.95

The ages at which death occurred were—

Age Groups	Male	Female	Total
Under 4 weeks	1	0	1
4 weeks and under 1 year	0	0	0
1 — 4 years	1	0	1
5 — 14 years	1	1	2
15 — 24 years	3	0	3
25 — 34 years	0	2	2
35 — 44 years	5	3	8
45 — 54 years	9	5	14
55 — 64 years	34	25	59
65 — 74 years	70	65	135
75 years and over	98	201	299
	<u>222</u>	<u>302</u>	<u>524</u>

The causes and ages of death are shown on the following tables—

1971
CAUSE OF DEATH

	Sex	Total all ages	Under 4 weeks	4 weeks and under 1 year	1 - 4 years	5 - 14 years	15 - 24 years	25 - 34 years	35 - 44 years	45 - 54 years	55 - 64 years	65 - 74 years	75 years and over
Tuberculosis of Respiratory System	M	1	—	—	—	—	—	—	—	—	1	—	—
	F	—	—	—	—	—	—	—	—	—	—	—	—
Malignant Neoplasm, Oesophagus	M	2	—	—	—	—	—	—	—	—	—	—	2
	F	1	—	—	—	—	—	—	—	—	—	—	1
Malignant Neoplasm, Stomach	M	9	—	—	—	—	—	—	—	1	—	6	2
	F	5	—	—	—	—	—	—	—	—	1	2	2
Malignant Neoplasm, Intestine	M	5	—	—	—	—	1	—	—	—	—	2	2
	F	9	—	—	—	—	—	—	—	1	1	1	6
Malignant Neoplasm, Lung, Bronchus	M	17	—	—	—	—	—	—	—	—	3	9	5
	F	6	—	—	—	—	—	—	—	1	3	1	1
Malignant Neoplasm, Breast	M	—	—	—	—	—	—	—	—	—	—	—	—
	F	9	—	—	—	—	—	—	—	1	4	1	3
Malignant Neoplasm, Uterus	F	2	—	—	—	—	—	—	—	1	—	1	—
Leukaemia	M	1	—	—	—	—	—	—	—	—	—	—	1
	F	—	—	—	—	—	—	—	—	—	—	—	—
Other Malignant Neoplasms	M	13	—	—	—	—	—	—	—	—	4	7	2
	F	15	—	—	—	—	—	—	—	1	1	7	6
Benign and Unspecified Neoplasms	M	—	—	—	—	—	—	—	—	—	—	—	—
	F	2	—	—	—	1	—	—	—	—	—	1	—
Diabetes Mellitus	M	—	—	—	—	—	—	—	—	—	—	—	—
	F	1	—	—	—	—	—	—	—	—	1	—	—
Other Endocrine, etc., Diseases	M	—	—	—	—	—	—	—	—	—	—	—	—
	F	1	—	—	—	—	—	—	1	—	—	—	—
Anaemias	M	—	—	—	—	—	—	—	—	—	—	—	—
	F	1	—	—	—	—	—	—	—	—	—	—	1
Other Diseases of Nervous System	M	3	—	—	—	—	—	—	—	—	—	2	1
	F	1	—	—	—	—	—	—	—	—	—	1	—
Chronic Rheumatic Heart Disease	M	1	—	—	—	—	—	—	—	—	1	—	—
	F	3	—	—	—	—	—	—	—	—	1	1	1
Hypertensive Disease	M	2	—	—	—	—	—	—	—	—	—	2	—
	F	4	—	—	—	—	—	—	—	—	—	4	—
Ischaemic Heart Disease	M	56	—	—	—	—	—	—	1	3	8	25	19
	F	65	—	—	—	—	—	—	—	—	3	13	49
Other forms of Heart Disease	M	5	—	—	—	—	—	—	—	—	1	2	2
	F	9	—	—	—	—	—	—	—	1	—	1	7
Cerebrovascular Disease	M	23	—	—	—	—	—	—	—	—	2	5	16
	F	57	—	—	—	—	—	—	—	—	4	11	42
Other Diseases of Circulatory System	M	11	—	—	—	—	—	—	—	—	1	2	8
	F	25	—	—	—	—	—	—	—	—	1	3	21
Influenza	M	—	—	—	—	—	—	—	—	—	—	—	—
	F	1	—	—	—	—	—	—	—	—	—	—	1
Pneumonia	M	12	—	—	—	—	—	—	—	—	2	3	7
	F	8	—	—	—	—	—	—	—	—	—	—	8
Bronchitis and Emphysema	M	16	—	—	—	—	—	—	—	2	2	6	6
	F	4	—	—	—	—	—	—	—	—	—	1	3

The causes and ages of death are shown on the following tables—

1971 CAUSE OF DEATH		Sex	Total all ages	Under 4 weeks	4 weeks and under 1 year	1 - 4 years	5 - 14 years	15 - 24 years	25 - 34 years	35 - 44 years	45 - 54 years	55 - 64 years	65 - 74 years	75 years and over
Asthma	M	—	—	—	—	—	—	—	—	—	—	—	—	—
	F	1	—	—	—	—	—	—	—	—	1	—	—	—
Other Diseases of Respiratory System	M	2	—	1	—	—	—	—	—	—	1	—	—	—
	F	2	—	—	—	—	—	—	—	—	—	—	—	2
Peptic Ulcer	M	1	—	—	—	—	—	—	—	1	—	—	—	—
	F	3	—	—	—	—	—	—	—	—	—	—	—	3
Appendicitis	M	1	—	—	—	—	—	—	—	—	—	—	—	1
	F	—	—	—	—	—	—	—	—	—	—	—	—	—
Intestinal Obstruction and Hernia	M	—	—	—	—	—	—	—	—	—	—	—	—	—
	F	2	—	—	—	—	—	—	—	—	—	—	2	1
Cirrhosis of Liver	M	1	—	—	—	—	—	—	—	—	—	1	—	—
	F	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Diseases of Digestive System	M	—	—	—	—	—	—	—	—	—	—	—	—	—
	F	4	—	—	—	—	—	—	—	—	1	1	1	1
Nephritis and Nephrosis	M	—	—	—	—	—	—	—	—	—	—	—	—	—
	F	1	—	—	—	—	—	—	—	—	—	—	—	1
Other Diseases, Genito-Urinary System	M	1	—	—	—	—	—	—	—	—	—	—	—	1
	F	—	—	—	—	—	—	—	—	—	—	—	—	—
Diseases of Musculo-Skeletal System	M	—	—	—	—	—	—	—	—	—	—	—	—	—
	F	4	—	—	—	—	—	—	—	—	—	2	1	1
Congenital Anomalies	M	4	1	2	—	—	—	—	—	—	—	—	1	—
	F	1	—	—	—	—	—	—	—	—	—	—	—	1
Birth injury, difficult labour, etc.	M	—	—	—	—	—	—	—	—	—	—	—	—	—
	F	1	1	—	—	—	—	—	—	—	—	—	—	—
Other causes of Perinatal Mortality	M	1	1	—	—	—	—	—	—	—	—	—	—	—
	F	1	1	—	—	—	—	—	—	—	—	—	—	—
Symptoms and ill-defined conditions	M	1	—	—	—	—	—	—	—	—	—	—	—	1
	F	3	—	—	—	—	—	—	—	—	—	—	—	3
Motor Vehicle Accidents	M	1	—	—	—	—	—	—	—	—	1	—	—	—
	F	—	—	—	—	—	—	—	—	—	—	—	—	—
All other Accidents	M	3	—	—	—	—	—	—	—	—	1	—	—	2
	F	9	—	—	—	—	—	—	—	—	—	1	—	8
All other external causes	M	1	—	—	—	—	—	—	—	1	—	—	—	—
	F	2	—	—	—	—	—	—	—	—	—	—	1	1
Total all causes	M	194	2	3	—	—	1	—	3	9	26	72	78	
	F	263	2	—	—	1	—	—	1	8	24	54	173	
Combined Total			457											

1972
CAUSE OF DEATH

	Sex	Total all ages	Under 4 weeks	4 weeks and under 1 year	1 - 4 years	5 - 14 years	15 - 24 years	25 - 34 years	35 - 44 years	45 - 54 years	55 - 64 years	65 - 74 years	75 years and over
Other Infective and Parasitic Diseases	M	1	—	—	—	—	—	—	—	—	—	—	1
	F	—	—	—	—	—	—	—	—	—	—	—	—
Malignant Neoplasm, Buccal Cavity, etc.	M	1	—	—	—	—	—	—	—	—	—	1	—
	F	—	—	—	—	—	—	—	—	—	—	—	—
Malignant Neoplasm, Oesophagus	M	1	—	—	—	—	—	—	—	—	—	1	—
	F	3	—	—	—	—	—	—	—	—	1	1	1
Malignant Neoplasm, Stomach	M	6	—	—	—	—	—	—	—	—	—	3	3
	F	3	—	—	—	—	—	—	—	—	—	1	2
Malignant Neoplasm, Intestine	M	4	—	—	—	—	—	—	—	1	1	2	—
	F	12	—	—	—	—	—	—	—	—	1	6	5
Malignant Neoplasm, Lung, Bronchus	M	19	—	—	—	—	—	—	—	2	5	6	6
	F	4	—	—	—	—	—	—	—	—	1	1	2
Malignant Neoplasm, Breast	M	—	—	—	—	—	—	—	—	—	—	—	—
	F	14	—	—	—	—	1	—	2	4	—	—	7
Malignant Neoplasm, Uterus	F	3	—	—	—	—	—	—	—	—	2	1	—
Malignant Neoplasm, Prostate	M	2	—	—	—	—	—	—	—	—	—	2	—
Leukaemia	M	3	—	—	—	1	—	—	—	—	—	1	1
	F	1	—	—	—	—	—	—	—	—	1	—	—
Other Malignant Neoplasms	M	9	—	—	—	—	—	—	—	1	4	2	2
	F	12	—	—	—	—	—	—	—	—	2	2	8
Diabetes Mellitus	M	1	—	—	—	—	—	—	—	—	1	—	—
	F	3	—	—	—	—	—	—	—	—	1	1	1
Other Endocrine, etc., Diseases	M	—	—	—	—	—	—	—	—	—	—	—	—
	F	2	—	—	1	—	—	—	—	—	—	1	—
Anaemias	M	—	—	—	—	—	—	—	—	—	—	—	—
	F	1	—	—	—	—	—	—	—	—	—	1	—
Multiple Sclerosis	M	—	—	—	—	—	—	—	—	—	—	—	—
	F	1	—	—	—	—	—	—	1	—	—	—	—
Chronic Rheumatic Heart Disease	M	1	—	—	—	—	—	—	—	—	1	—	—
	F	3	—	—	—	—	—	—	—	—	2	—	1
Hypertensive Disease	M	4	—	—	—	—	—	—	—	—	—	1	3
	F	2	—	—	—	—	—	—	—	—	—	—	2
Ischaemic Heart Disease	M	75	—	—	—	—	—	—	2	3	16	26	28
	F	66	—	—	—	—	—	—	—	—	4	12	50
Other Forms of Heart Disease	M	2	—	—	—	—	—	—	—	—	—	—	2
	F	13	—	—	—	—	—	—	—	—	—	3	10
Cerebrovascular Disease	M	36	—	—	—	—	—	—	1	3	3	9	23
	F	91	—	—	—	—	—	—	—	2	3	19	67
Other Diseases of Circulatory System	M	20	—	—	—	—	—	—	1	—	—	7	12
	F	33	—	—	—	—	—	—	—	—	—	1	32
Influenza	M	—	—	—	—	—	—	—	—	—	—	—	—
	F	1	—	—	—	—	—	—	—	—	—	1	—
Pneumonia	M	7	—	—	—	—	—	—	—	—	2	1	4
	F	6	—	—	—	—	—	—	—	—	1	—	5

1972

CAUSE OF DEATH

	Sex	Total all ages	Under 4 weeks	4 weeks and under 1 year	1 - 4 years	5 - 14 years	15 - 24 years	25 - 34 years	35 - 44 years	45 - 54 years	55 - 64 years	65 - 74 years	75 years and over
Bronchitis and Emphysema	M	13	—	—	—	—	—	—	—	1	—	6	6
	F	5	—	—	—	—	—	—	—	—	—	3	2
Other Diseases of Respiratory System	M	1	—	—	—	—	—	—	—	—	—	1	—
	F	1	—	—	—	—	—	—	—	—	—	1	—
Peptic Ulcer	M	2	—	—	—	—	—	—	—	—	—	2	—
	F	2	—	—	—	—	—	—	1	—	—	1	—
Cirrhosis of Liver	M	1	—	—	—	—	—	—	—	—	—	1	—
	F	—	—	—	—	—	—	—	—	—	—	—	—
Other Diseases of Digestive System	M	2	—	—	—	—	—	—	—	—	—	1	1
	F	2	—	—	—	—	—	—	—	—	—	2	—
Nephritis and Nephrosis	M	1	—	—	—	—	—	—	—	—	—	1	—
	F	—	—	—	—	—	—	—	—	—	—	—	—
Hyperplasia of Prostate	M	2	—	—	—	—	—	—	—	—	—	—	2
Other Diseases, Genito-Urinary System	M	2	—	—	—	—	—	—	—	—	—	1	1
	F	—	—	—	—	—	—	—	—	—	—	—	—
Diseases of Skin, Subcutaneous Tissue	M	—	—	—	—	—	—	—	—	—	—	—	—
	F	1	—	—	—	—	—	—	—	—	—	—	1
Diseases of Musculo-Skeletal System	M	1	—	—	—	—	—	—	—	—	—	—	1
	F	1	—	—	—	—	—	—	—	—	—	—	1
Congenital Anomalies	M	1	—	—	—	1	—	—	—	—	—	—	—
	F	—	—	—	—	—	—	—	—	—	—	—	—
Birth Injury, Difficult Labour, etc.	M	1	1	—	—	—	—	—	—	—	—	—	—
	F	—	—	—	—	—	—	—	—	—	—	—	—
Symptoms and ill defined conditions	M	—	—	—	—	—	—	—	—	—	—	—	—
	F	3	—	—	—	—	—	—	—	—	—	—	3
Motor Vehicle Accidents	M	3	—	—	—	—	1	—	1	—	1	—	—
	F	1	—	—	—	—	—	1	—	—	—	—	—
All other Accidents	M	5	—	—	1	—	—	—	—	—	1	1	2
	F	6	—	—	—	—	—	—	—	—	—	—	6
Suicide and self-inflicted injuries	M	1	—	—	—	—	—	—	—	—	1	—	—
	F	3	—	—	—	—	—	—	1	1	1	—	—
All other external causes	M	1	—	—	—	—	1	—	—	—	—	—	—
	F	1	—	—	—	—	—	—	—	—	—	—	1
Total all causes	M	229	1	—	1	1	3	—	4	9	36	76	98
	F	300	—	—	—	1	—	2	2	6	24	58	207
Combined Total		529											

The Manager of the Colwyn Bay Employment Exchange has very kindly furnished me with the following details concerning employment and unemployment in the area—

Unemployment—Persons aged 18 and over:

Date	Men	Women	Total
13.3.72	487	97	584
6.12.71	513	92	605
13.9.71	411	51	462
14.6.71	381	51	432
9.3.71	438	85	523
7.12.70	455	79	534

As previously, about 45% of males were aged 55 years and over. Local unemployment has increased following the National trend. Partly as a result of this, and partly because of expanded facilities, there has been an increased interest in Government training schemes.

Employment—Persons aged 15 and over:

The 1970 survey indicated that total known working population, both by way of employment and on their own account—

Males	Females	Total
6,004	4,318	10,322

The 1969 total was—

6,250	4,190	10,440
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PROVISION OF HEALTH SERVICES IN THE AREA

I am again indebted to Dr. Kingsley Smith and his staff of the Public Health Laboratory, Conway, for their valuable assistance and helpful advice during the year. 2,633 specimens were examined by the Laboratory during 1971 and 1,592 in 1972 and the details and sources of these specimens are indicated in the tables below—

1971

	Water Samples	Milk Samples	Ice Cream Samples	Nose and Throat Swabs	Faecal Specimens	Miscellaneous	Total
Health							
Department	77	—	—	—	446	695	1218
Rydal School	—	—	—	879	325	1	1205
Penrhos							
College	—	—	—	38	10	—	48
Medical							
Practitioners	—	—	—	—	27	135	162

1972

	Water Samples	Milk Samples	Ice Cream Samples	Nose and Throat Swabs	Faecal Specimens	Miscellaneous	Total
Health							
Department	171	3	54	—	447	600	1275
Rydal School	—	—	—	56	6	4	66
Penrhos							
College	—	—	—	15	—	—	15
Medical							
Practitioners	—	—	—	1	30	205	236

Therapeutic and Prophylactic Agents

In addition to carrying out bacteriological and virological examinations of human material and foodstuffs, the Public Health Laboratory make available to Local Authority Health Departments, General Practitioners and the Hospital Service, the following—

German Measles: Gamma Globulin obtainable from the Public Health Laboratory, Bryn Hyfryd, Conway (Tel. Conway 2478).

Typhus vaccine, rabies vaccine and anthrax vaccine, for prophylactic use only, held at the Public Health Laboratory, 126 Mount Pleasant, Liverpool (Tel. Royal 3636).

Anthrax vaccine for therapeutic use is held at the Public Health Laboratory, Liverpool.

Anthrax anti-serum is held at the C. and A. Hospital, Bangor (Tel. Bangor 3321) and the Maelor General Hospital, Wrexham (Tel. Wrexham 3512).

Snake anti-venom and also Botulinum anti-serum are held at the C. and A. Hospital, Bangor, and the Maelor General Hospital, Wrexham.

Anti-vaccine for tropical snakes is held at the Dispensary, Royal South Hants. and Southampton Hospital, Southampton (Tel. Southampton 26211) — 24 hour service.

Anti-yellow fever vaccine is obtainable at the Regional Blood Transfusion Centre, Hatton Garden, Liverpool (Tel. Central 8433) and inoculations are given by appointment only.

Anti-cholera, anti-tetanus and whooping cough vaccine must be obtained through the usual trade channels. Smallpox vaccine lymph is obtainable from the Health Department, Civic Centre, Colwyn Bay (Tel. 55271).

Pathological and Biochemical

Doctors send specimens from patients direct to the Laboratories of the Clwyd and Deeside Hospital Board at Colwyn Bay and Rhyl. This service is essentially meant to help in the diagnosis and treatment of sick persons, but of course diagnosis can have a considerable influence on prevention of spread to other persons.

Water

Water comes to Colwyn Bay from the upland gathering ground in Caernarvonshire. It collects in the ample reservoir at Cowlyd and gravitates through decompression tanks and chlorination, etc., plant to the main parts of the town. "Boosting" is necessary to re-raise it to the higher areas.

The water supply is not only abundant at all times, but it is satisfactory in quality. In its natural state, it is very soft and tends to be plumbosolvent, so alkali is added.

Chemical

The chemical analysis is satisfactory for mains water. The fluoride content is deficient at less than 0.10 p.p.m.

**Analysis of sample of water taken in the Borough
on 5.4.71:**

Appearance	clear and colourless
Odour	nil
Reaction, pH	6.7
Colour (Hazen Units)	less than 5
	p.p.m
Total solids	35
Nitrogen as free and saline ammonia ...	0.00
Nitrogen as albuminoid ammonia	0.04
Nitrogen as nitrites	nil
Nitrogen as nitrates	0.5
Chlorides, as Cl	6.0
Oxygen absorbed from permanganate in 4 hours at 27°C	1.6
Total hardness	8.0
Temporary hardness	8.0
Permanent hardness	0
Alkalinity	16
Total residual chlorine	nil
Free available chlorine	nil
Potassium, as K	0.3
Anionic synthetic detergents	nil
Manganese, as Mn	less than 0.025
Cyanides and thiocyanates	nil
Poisonous metals	nil
Sodium Carbonate	8.5

Opinion: The chemical condition of this water is satisfactory.

(Signed) RUDDOCK and SHERRATT,

Public Analyst,
30 Watergate Street,
Chester.

Bacteriological

Sampling of the mains water throughout the Borough has been carried on periodically by the Public Health Inspectors and submitted for bacteriological examination. Tests of the water taken throughout the year at the Rhos Swimming Pool and the Rhos Paddling Pool have shown that the water has been maintained bacteriologically safe.

Chlorine Tests

Chlorine is added to all mains water before it reaches the consumer. This is necessary to ensure that harmful organisms cannot survive. The staff of the Borough Surveyor

carry out periodic examinations of tap water in the Borough to record the presence of residual chlorine.

Supply

I am indebted to Mr. J. M. Campbell, Engineer to the Conway Valley Water Board, for the following information:

RAINFALL

Month	Inches	No. of days
		with .01 in. or more
January	10.77	17
February	6.61	12
March	6.72	13
April	1.50	5
May	1.92	11
June	7.41	17
July	4.20	7
August	7.97	14
September	2.20	8
October	11.90	12
November	11.75	18
December	3.97	5
	<hr/>	
	76.92	139
	<hr/>	<hr/>

CONSUMPTION

	Million Gallons
January	49
February	44
March	49
April	47
May	55
June	54
July	57
August	60
September	54
October	50
November	47
December	49
	<hr/>
	615
	<hr/>

RAINFALL

1972

Month	Inches	No. of days with .01 in. or more
January	12.05	10
February	4.03	5
March	6.06	14
April	5.86	14
May	8.96	22
June	8.80	22
July	3.66	11
August	5.66	11
September	1.92	7
October	3.34	7
November	19.01	22
December	10.63	14
	<hr style="width: 50%; margin: 0 auto;"/> 89.98	<hr style="width: 50%; margin: 0 auto;"/> 159

CONSUMPTION

	Million Gallons
January	48
February	47
March	52
April	51
May	54
June	54
July	57
August	59
September	53
October	49
November	47
December	48
	<hr style="width: 50%; margin: 0 auto;"/> 619

(Signed) J. M. CAMPBELL, Engineer and Manager

Milk

Only Pasteurised, Tuberculin tested or sterilised milk is sold in Colwyn Bay. Milk is tested (a) at its source in the farm and at the Collection Stations by the County Public Health Inspector, and (b) on delivery to the consumer by the Colwyn Bay Public Health Inspector. Samples are tested at the Public Health Laboratory, Conway.

AMBULANCE SERVICE

Below is given a summary of the work of the Ambulance Service operating from Colwyn Bay during 1971 and 1972. A high degree of skill and knowledge is now required of ambulance personnel and training programmes are being carried out, both on an area and local basis. As with other branches of the Health Service, the operation and deployment of the Ambulance Service will undergo substantial changes within the re-organised National Health Service. The service will no longer be administered at district level, but will be the responsibility of the Area Health Authority. This should provide an opportunity to rationalise both the Ambulance Service and the Hospital Transport Service, which at present is a high cost service, with the possibility of the Ambulance Service proper being confined entirely to emergencies and work requiring a relatively high degree of expertise from its personnel, whilst the routine transport work of patients to Clinics, etc., will be carried out by a transport section, both of these services, ambulance and transport, being under the one administrative head.

There are six ambulances based in Colwyn Bay and the total number of patients carried during 1971 was 13,882. In addition, 533 patients were carried in sitting case cars, whilst 4,805 pupils were conveyed in this way to special schools in the district. The grand total of persons being conveyed by the Ambulance Service during the year was 21,682 and the total mileage covered amounted to 139,022. 545 patients were carried by the Colwyn Bay Voluntary Ambulance Service, whilst 54 road traffic accidents were attended to by the volunteers. Time spent on voluntary ambulance operational duty totalled 1,341 hours and the total miles covered by this branch of the service was 11,297.

During 1972 the total number of patients carried was 12,675. In addition, 534 patients were carried in sitting case cars, whilst 1,845 pupils were conveyed in this way to special schools in the district. The grand total of persons being conveyed by the Ambulance Service during the year was 16,109 and the total mileage covered amounted to 120,704. 521 patients were carried by the Colwyn Bay Voluntary Ambulance Service, whilst 41 road traffic accidents were attended to by the volunteers. Time spent on voluntary ambulance operational duty totalled 1,149 hours and the total miles covered by this branch of the service was 10,057.

FOOD AND DRUGS ACT, 1955

I am grateful to Mr. D. Hugh Owens, Chief Inspector to the Denbighshire County Council under the Food and Drugs Act, for the following information—

Particulars of samples taken under the Food and Drugs Act in the Borough of Colwyn Bay during the year ended 31st December, 1971—

Article	No. Taken	Genuine	Not Genuine or Sub-Standard
Milk	35	35	—
Butter	2	2	—
Margarine	1	1	—
Buttermilk	1	1	—
Soft cheese spread ...	2	2	—
Pork Pies	2	2	—
Sausage rolls	3	3	—
Sausages	2	2	—
Tinned meat	1	1	—
Scotch broth	1	1	—
Cole Slaw dressing	1	1	—
Plaice	1	1	—
Mussels	1	1	—
Apples	1	1	—
Honey	2	2	—
Vinegar	1	1	—
Scone	1	—	1
Rock	1	1	—
Macaroons	1	1	—
Double cream	3	3	—
Ice cream	6	6	—
Ice lollies	3	3	—
Mixed peel	1	1	—
Yoghurt	1	1	—
Tea	1	1	—
Gin	2	2	—
Vodka	1	1	—
Infant food	1	1	—
Vykmin fortified	1	1	—
Back and kidney pills	1	1	—
TOTAL	81	80	1

As will be observed from the table 35 samples of milk and 46 samples of food other than milk were taken in Colwyn Bay Borough during the year under review. All the samples of milk were reported by the Public Analyst as

being genuine and further tests for the presence of antibiotics revealed a negative result in each instance.

Only one sample of food received an adverse report. This was a scone which contained a substantial piece of plastic and is being pursued in the Courts. Otherwise all samples were reported as being genuine and free from all prohibited preservatives, colouring matter, etc.

(Signed) D. HUGH OWENS,
Chief Inspector,
County of Denbigh

Ruthin Road,
Wrexham
25th April, 1972

Particulars of samples taken under the Food and Drugs Act in the Borough of Colwyn Bay during the year ended 31st December, 1972—

Article	No. Taken	Not Genuine or	
		Genuine	Sub-Standard
Milk	35	34	1
Butter	5	3	2
Margarine	1	1	—
Lard	1	1	—
Bread and butter	1	1	—
Cheese spread	3	3	—
Pork pies	2	2	—
Pork sausage	2	2	—
Sausage rolls	2	2	—
Stuffed Pork Roll	1	1	—
Steak and kidney pie...	1	1	—
Chunky Steak	1	1	—
Savoury Minced steak	1	1	—
Tinned meat	1	1	—
Thornback Ray	1	1	—
Dog Fish	1	1	—
Pickled Onions	1	1	—
Malt Vinegar	1	1	—
Sugar	1	1	—
Tinned fruit	1	1	—
Creamed rice pudding	1	1	—
Instant non-fat milk ...	1	1	—
Lemon cheese	1	1	—
Ice cream	2	2	—
Ice lollies	2	1	1
Soft drinks	3	3	—
Shandy	2	1	1
Slimming Diet	1	1	—
Fast cold relief	1	1	—
TOTAL	77	72	5

As will be observed from the table, 35 samples of milk and 42 samples of food other than milk were taken in Colwyn Bay during the year under review. Only one sample of milk received an adverse report. This was a consumer complaint regarding the presence of extraneous vegetable matter, etc., in milk and has been dealt with by advice and caution. Additionally, nine of the samples of milk were tested for the presence of antibiotics with a negative result in each instance.

Two routine samples of butter were reported by the Public Analyst to be contaminated with mould and resulted in the persons concerned being prosecuted and convicted. Two further routine samples concerning an ice lolly and shandy, were reported as being incorrectly labelled and were dealt with by advice and caution. Otherwise all samples were reported as being genuine and free from all prohibited preservatives and colouring matters.

(Signed) D. HUGH OWENS,

Chief Officer,

County of Denbigh

Trading Standards Department,
Ruthin Road, Wrexham

18th May, 1973

CLINICS

Clinics are held as follows—

(a) **At Colwyn Bay Clinic, Nant-y-Glyn Road:**

Monday—

Family Planning.

(This is provided by a voluntary committee but meets in the Clinic premises and co-ordinates its work with other work of the Health Department).
Cytology Clinic — by appointment only.

Tuesday—

Child Welfare Clinic — every week
2 p.m. with doctor.

Thursday—

Family Planning Clinic — every week from
7 - 8 p.m.

Saturday—

Ophthalmic Clinic for schoolchildren,
by appointment.

Chiropody Clinics—

These are held at Nant-y-Glyn Clinic and Tandderwen, Coed Pella Road, for women from 60 years of age, men from 65 years of age, or handicapped persons. Attendance is by appointment only on Monday, Tuesday afternoon, Wednesday, Thursday and Friday each week.

Speech Therapy Clinics — By appointment.

(b) **At Llysfaen Church House:**

Monday—

Child Welfare Clinic — First and Third Monday
each month from 2 - 4 p.m.

(c) **At Mochdre Village Hall:**

Monday—

Child Welfare Clinic — Second and Fourth Monday
each month from 2 - 4 p.m.

(d) **At Church House, Elwy Road, Rhos-on-Sea:**

Tuesday — Child Welfare Clinic — Second and Fourth
Tuesday each month from 10.30 a.m. - 12 noon.

The reorganisation of the Child Health Clinics has now been designed to follow the recommendation of the Sheldon Report and thus follow the pattern of contemporary medical practice. Many of the past functions of the clinics were products of a bygone age when social conditions and social services were very different to those of today. So many routine measures so beloved of our grandmothers must give way to the introduction of modern techniques in assessing child development.

V.D. Clinics are held at the following hospitals—

Llandudno General—

Every Thursday, 2.15 - 7 p.m. Male and Female.

Bangor C. & A.—

Wednesday, 3 - 7 p.m. Friday, 2.15 - 4.30 p.m. Male and Female.

St. Asaph—

Tuesdays, 4.30 - 6.30 p.m. Male and Female.

DAY NURSERIES

There are no Day Nurseries in the town, but there are five Play Groups registered with the Local Health Authority and subject to the Regulations and periodic inspection by officers of the Health Department.

IMMUNISATION

Smallpox Vaccination

128 persons received primary vaccination against smallpox during 1971, whilst 197 persons were re-vaccinated. Undoubtedly in the future the number of persons receiving smallpox vaccination will be reduced considerably, as it is now not offered as a routine measure and as a consequence has been dropped from the immunisation schedule. This follows in the policy laid down by the Department of Health and Social Security on the advice of its Select Committee.

Triple Antigen (Diphtheria, Tetanus and Whooping Cough)

374 children were vaccinated with this agent during 1971, whilst 18 children were given combined Diphtheria and Tetanus injections, this agent being used in the main for booster doses of children over the age of 1 year. 26 persons were vaccinated with Tetanus toxoid as a single agent.

During 1972, 327 children were given a primary course with this agent, whilst 197 children were given booster doses of Diphtheria and Tetanus vaccine.

Poliomyelitis

247 children were given a primary dose of poliomyelitis vaccine during 1971, compared with 221 during the previous year, whilst 207 children received booster doses of this agent. During 1972, 327 children were given a primary course with this agent, whilst 189 children were given booster doses.

Measles

A total of 171 children in their second year of life were vaccinated with this agent during 1971. During 1972, 112 children were given a primary course with this agent.

Rubella

181 girls in the 13 year old age group were vaccinated against Rubella (German Measles) during 1971. In 1972, 103 girls were given this protection. German Measles in the early months of pregnancy is a potent cause of handicaps in the offspring and it is hoped that a satisfactory acceptance rate of vaccination in schoolgirls will, in the future, reduce significantly the number of handicapped children born.

INFECTIOUS DISEASES

The following table shows the incidence of notifiable infectious diseases in 1971—

Cases	At all ages	Under 1 year	1 and under 5	5 and under 25	25 and under 45	45 and under 65	65 and over
Measles	137	6	100	30	1	—	—
Whooping Cough	7	—	4	3	—	—	—
Pulmonary Tuberculosis ...	3	—	—	—	1	2	—
Typhoid Fever	1	—	—	1	—	—	—
Food Poisoning	1	—	—	—	1	—	—
TOTALS	149	6	104	34	3	2	—

A total of 149 cases of infectious disease were notified to me during the year, of which 137 were in respect of Measles. The one case of typhoid fever notified was in a schoolchild attending a large boarding school in the Borough. The child's home was in Africa and on returning from vacation he fell ill with the disease. Prompt notification was made and the Health Department in conjunction with the School Medical Officer were able to take immediate action to prevent the spread of the disease and as a consequence the disease was confined to the one individual.

The following table shows the incidence of notifiable infectious diseases in 1972—

Cases	At all ages	Under 1 year	1 and under 5	5 and under 25	25 and under 45	45 and under 65	65 and over
Measles	35	—	23	12	—	—	—
Tuberculosis	4	—	—	1	2	1	—
Food Poisoning	1	—	—	1	—	—	—
Meningitis	1	—	—	1	—	—	—
TOTALS	41	—	23	15	2	1	—

Tuberculosis

The following table shows the state of the Tuberculosis Register—

	On Register		
	1.1.71	31.12.71	31.12.72
Pulmonary:			
Male	24	23	20
Female	18	18	15
Non-Pulmonary:			
Male	3	2	1
Female	7	5	5
	—	—	—
	52	48	41
	—	—	—

Chest Clinics

Clinics for diseases of the chest are held at Colwyn Bay Hospital on the first Thursday of each month and also on the second and fourth Thursday at 2 p.m.

ANNUAL REPORT OF CHIEF PUBLIC HEALTH INSPECTOR

It gives me pleasure to present to you my Annual Report on the Environmental Health circumstances of the Borough for 1971 and 1972.

In doing so I must express my appreciation of the continued support and encouragement of the Chairman and members of the Health Committee.

I must also record my thanks to Dr. Peach, Medical Officer of Health, and to all my fellow officers in all departments and to all the members of the indoor and outdoor staff for their loyal support and co-operation.

I am, Mr. Chairman, Ladies and Gentlemen,

Your obedient servant,

M. PATTINSON,
Chief Public Health Inspector

GENERAL SUMMARY

	1971	1972
Complaints received and attended to	1724	1832
No. of Nuisances found	786	754
No. of Houses inspected for Nuisances	262	320
No. of Nuisances Abated	748	769
No. of Nuisances not abated but work in hand	69	48
No. of drains tested	86	98
No. of Revisits to Nuisances, work in progress, etc.	977	1020
No. of Preliminary Notices served	504	540
No. of Formal Notices served	18	6
No. of Visits to Factories	40	31
No. of Visits to Schools	28	23
No. of Miscellaneous Visits	257	250
No. of Inspections made to Dance Halls, Cinemas and other places of entertainment	58	78
No. of enquiries re Infectious Disease	24	58
No. of Visits re Water Supply	46	102
No. of Special Housing Inspections	15	26
No. of Visits to Houses in Multiple Occupation	503	510
No. of Visits re Keeping of Animals, Stables, etc.	32	42
No. of Inspections re Rats and Mice	550	500
No. of Visits to Camping Sites, Caravans, etc.	83	74

SANITARY DEFECTS REMEDIED

No. of Stopped Drains	183	168
No. of Defective Drains	30	52
No. of Defective or Stopped Septic Tanks or Cesspools	24	18
No. of Defective W.C. Cisterns and Fittings ...	12	16
No. of Dirty Conditions of houses, outhouses and yards	27	14

	1971	1972
No. of Defective or new Inspection Chambers	38	40
No. of Defective Sinks and Waste Pipes	20	21
No. of Burst Water Pipes	8	6
No. of Defective Roofs	42	51
No. of Defective Floors	18	19
No. of Defective Paving of Yards	13	5
No. of Defective Eaves and Downspouts	19	21
No. of Miscellaneous Nuisances (outside) ...	24	34
No. of Miscellaneous Nuisances (inside)	43	38
No. of Defective Doors/Frames	9	2
No. of Defective Staircases	7	6
No. of Defective Plastering of Walls/Ceilings	18	28
No. of Damp Conditions in Houses	73	90
No. of Insufficient or Unsatisfactory Washing Accommodations	3	1
No. of New Pedestals W.C.	28	26
No. of Defective Grates	12	11
No. of Defective Chimneys	8	4
No. of Defective Window Frames, Etc.	19	16
No. of Sinks discharging to surface water drains	58	60
No. of drains reconstructed	32	48
No. of Unsatisfactory keeping of animals ...	5	8
No. of Houses in Multiple Occupation Contraventions	138	180
No. of Accumulations — Manure/other Refuse	28	38
Nuisances from other than Dwellings:		
Shops, Garages and Miscellaneous	75	60

WATER SUPPLIES		1971	1972
Dwellings on Common standpipes		4	4
Dwellings on individual standpipes		2	0
Property supplied by wells and springs		13	13
		—	—
		19	17
		—	—

Schemes are now being prepared to modernise the properties on common standpipes and should be finished during 1973.

No. of Water Samples:

	1971			
	Bact.	Chem.	Sat.	Unsat.
Town Mains	2	50	32	20
Sea Water	4	—	—	—
Wells and Streams ...	33	—	27	6
	1972			
	Bact.	Chem.	Sat.	Unsat.
Town Mains	30	17	29	18
Sea Water	26	—	—	—
Wells and Streams ...	31	—	13	18

DRAINAGE

	1971	1972
Inspections of Private Property for sullage Water gaining access to surface water drains	610	1620
Choked Drains found and reported by Department Operator	102	120
Choked Drains cleared by Department Operator	94	114
Drain Tests—		
(a) Colour	81	83
(b) Smoke	5	15
(c) Hydraulic — new drains	34	54
Choked or defective septic tanks or Cesspools inspected	24	18
Burst Water Services reported	14	9
Choked road gullies reported	152	160

DISINFECTION

	1971	1972
Dwellings—		
Domestic	9	12
Commercial	0	0
Infected articles treated	8	12
Infected articles destroyed	8	6

DISINFESTATION

Dwellings—		
Domestic	44	46
Commercial	10	5

RODENT CONTROL

No. of Sewer Manholes test-baited	488	452
No. of treatments	308	280
No. of Inspections of Sewer Manholes	345	378
Corporation Estates—		
Manhole and Inspection Chambers test-baited	240	260
Manhole and Inspection Chambers poison treated	110	170

Permanent baiting with sewer bags, containing a stabilised Warfarin bait, was introduced in 1971 and continued during 1972 in those areas that are known to give trouble. After heavy takes during the early stages, little evidence has since been observed. Over 200 bags were introduced progressively during 1971 and 268 were in use in manholes during 1972. Surface infestations in those areas have dramatically dropped.

No. of Properties Visited:

	1971		
	No.	Rats	Mice
Business Premises	36	7	19
Private Dwellings	83	26	36
Agricultural Properties	32	9	0
	1972		
Business Premises	40	16	24
Private Dwellings	68	26	37
Agricultural Properties	32	20	5

	1971	1972
No. of Treatments in Tip Areas	23	20
No. of Treatments on Tip	37	32
Farms:		
Visited (twice each year)	32	32
No. of Infestations	7	25
Stables:		
Visited	2	2
No. of Infestations	0	1
Unsatisfactory conditions	0	0
Piggeries:		
Visited	2	2
No. of Infestations	1	4
Unsatisfactory conditions	1	1
Poultry Keepers:		
Visited	2	2
No. of Infestations	1	1
Unsatisfactory conditions	1	1

1971
FACTORIES ACTS, 1937 and 1948

Premises (1)	M/c line No. (2)	No. on Register (3)	Number of				M/c line No. (7)
			Inspections (4)	Written Notices (5)	Occupiers Prosecuted (6)		
(i) Factories in which Sections 1, 2, 3, 4 and 6 are to be enforced by Local Authority	1	159	42	6	—	1	
(ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority	2	0	0	—	—	2	
(iii) Other premises in which Section 7 is enforced by the Local Authority (excluding outworkers' premises) ...	3	7	2	—	—	3	
Total		166	44	6	Nil		

1972
FACTORIES ACTS, 1937 and 1948

Premises (1)	M/c line No. (2)	No. on Register (3)	Number of				M/c line No. (7)
			Inspections (4)	Written Notices (5)	Occupiers Prosecuted (6)		
(i) Factories in which Section 1, 2, 3, 4 and 6 are to be enforced by Local Authority	1	159	38	8	—	1	
(ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority	2	0	0	—	—	2	
(iii) Other premises in which Section 7 is enforced by the Local Authority (excluding outworkers' premises) ...	3	7	4	—	—	3	
Total		166	42	8	Nil		

1971
2. CASES IN WHICH DEFECTS WERE FOUND

Particulars (1)	M/c line No. (2)	No. of cases in which defects were found				No. of cases in which Prosecutions were instituted (7)	M/c line No. (8)
		Found (3)	Remedied (4)	Referred to H.M. Inspector (5)	Referred by H.M. Inspector (6)		
Want of Cleanliness (S.1)	4	1	1	—	—	4	
Overcrowding (S.2)	5	0	0	—	—	5	
Unreasonable temperature (S.3)	6	0	0	—	—	6	
Inadequate ventilation (S.4)	7	1	1	—	—	7	
Ineffective drainage of floors (S.6)	8	0	0	—	—	8	
Sanitary Conveniences (S.7):							
(a) Insufficient	9	3	3	—	—	9	
(b) Unsuitable or defective	10	1	1	—	—	10	
(c) Not separate for sexes	11	0	0	—	—	11	
Other offences against the Act (not including offences relating to outwork)	12	2	2	—	—	12	
Total		8	8	Nil	Nil		

1972
2. CASES IN WHICH DEFECTS WERE FOUND

Particulars (1)	M/c line No. (2)	No. of cases in which defects were found				No. of cases in which Prosecutions were instituted (7)	M/c line No. (8)
		Found (3)	Remedied (4)	Referred to H.M. Inspector (5)	Referred by H.M. Inspector (6)		
Want of Cleanliness (S.1)	4	1	1	—	—	4	
Overcrowding (S.2)	5	0	0	—	—	5	
Unreasonable temperature (S.3)	6	0	0	—	—	6	
Inadequate ventilation (S.4)	7	0	0	—	—	7	
Ineffective drainage of floors (S.6)	8	0	0	—	—	8	
Sanitary Conveniences (S.7):							
(a) Insufficient	9	1	1	—	—	9	
(b) Unstable or defective	10	1	1	—	—	10	
(c) Not separate for sexes	11	0	0	—	—	11	
Other offences against the Act (not including offences relating to outwork)	12	2	2	—	—	12	
Total		5	5	—	Nil	Nil	

FACTORIES

Lists of Outworkers employed by factory managements are received regularly and the majority are employed assembling domestic light fittings and making up domestic light shades.

FOOD INSPECTION

Regular routine inspection of food commodities is now a standard feature during all visits to food premises. Specific inspection is frequently undertaken at the request of managements.

The advisory service of the department is available to all food trades and is concerned with all the ramifications of the food industry from the problems of fitness, quality and freshness of food to the production, processing, packaging, storage and trading techniques.

Each incident of complaint in respect of quality, fitness, freshness and of foreign matter or mould growth in foods is carefully investigated and on no occasion was it decided to take statutory proceedings. However, in a number of instances severe censures were issued and warning of the intention to take legal proceedings in any further instance. Changes in processing, incorporation of metal detection units in lines, open dated codings being introduced are just a few of the results of our investigation with the co-operation of the companies concerned and it is pleasing to record that the vast majority of food manufacturers are willing to respond to such recommendations.

Attention to unsatisfactory conditions or lack of facilities was generally quickly taken without recourse to the service of statutory notices. In three instances, however, approval had been sought to take action if the premises were not brought up to standard without unreasonable delay.

The general public could assist a good deal more by not only demanding the best in good surroundings but also from refraining from handling unwrapped but otherwise protected foodstuffs, by keeping dogs out of food shops and by taking the top packets from frozen cabinets and not rummaging about destroying the stock rotation.

FOOD INSPECTIONS

	1971		
	Home Produced	Imported	Mould
	Foreign	Matter	
Bread	5	4	3
Confectionery	4	0	2
Sweets	2	0	0
Meat Pie	1	0	1
Cooked Meat	3	1	4
Other Foods	2	3	5
Totals	17	4	15
		1972	
Bread	4	0	2
Confectionery	4	0	2
Meat Pie	0	0	1
Totals	8	0	5

Premises	No.	1971	Notices	1972	Notices
		No. of Visits		No. of Visits	
Food preparing premises	41	68	6	81	5
Fried Fish Shops	7	18	2	26	3
Butcher Shops	17	72	3	64	3
General Provisions	131	184	18	148	4
Ice-Cream — Registered premises	70	42	7	54	4
Restaurants, Cafes, etc.	48	142	29	116	12
Dairies	1	29	2	55	1
Canteens	14	47	1	32	2
Nursing Homes	22	14	1	12	1
School Canteens	12	4	0	23	3
Wet Fish Shops/Poulterers ...	6	24	3	41	1
Greengrocers	21	20	1	29	5
Vending Machines	18	26	0	3	—
Mobile Shops	6	16	2	29	5
Meat transportation	—	8	3	26	3
Wholesale/Retail distribution vehicles	—	42	0	45	1

Ice Cream

There are no persons now manufacturing ice cream in the Borough.

No premises now used for wholesale storage and distribution in the Borough.

Food Hygiene (General) Regulations, 1960:

1971

	Offences No.	Convictions No.
1. Part II General Requirements	98	0
2. Part III Requirements relating to persons engaged in the handling of food	21	0
Food premises	14	0
Totals	<u>133</u>	<u>0</u>

1972

1. Part II General Requirements	76	0
2. Part III Requirements relating to persons engaged in the handling of food	7	0
Food premises	29	0
Totals	<u>112</u>	<u>0</u>

**Food Hygiene (Markets, Stalls and Delivery Vehicles)
Regulations, 1966:**

1971

1. Part II General Requirements	8	0
2. Part III Requirements relating to food handlers in handling foodstuffs	2	0
3. Part IV Requirements to delivery vehicles	12	0
Totals	<u>22</u>	<u>0</u>

1972

1. Part II General Requirements	9	0
2. Part III Requirements relating to food handlers in handling foodstuffs	5	0
3. Part IV Requirements to delivery vehicles	14	0
Totals	<u>28</u>	<u>0</u>

Bacteriological Swabbing:

	No.	No. Satisfactory	No. Unsatisfactory
1971—			
Swabs taken from premises	22	22	0
1972—			
Swabs taken from premises	98	82	16

Bacteriological Sampling:

Ice Cream—

Grade	1971				1972			
	Mobile Vehicles		Retail		Mobile Vehicles		Retail	
	I	II	III	IV	I	II	III	IV
Soft Ice Cream	2	—	—	—	5	—	1	—
Other Ice Cream ...	4	—	—	—	33	—	2	1
Soft Ice Cream	—	—	—	—	3	—	—	—
Other Ice Cream ...	—	—	—	—	18	15	10	1

Other Foods:

Sample	1971		1972	
	No. taken	No. unsatisfactory	No. taken	No. unsatisfactory
Sausages	6	—	3	—
Meat Pies	25	—	4	1
Sliced Cooked meats ...	5	—	25	10
Fresh Cream	8	—	3	0
Milk	2	—	3	0
Frozen Foods	6	—	—	—

Unsound Food Surrendered or Condemned:

	1971			1972		
	Tons	Cwt.	lbs.	Tons	Cwt.	lbs.
1. Meat at slaughterhouse	4	8	19	2	7	52
2. Meat at retail shops	—	1	72	—	2	90
3. Cooked meat and meat products	—	—	4	—	—	34
4. Canned meats	—	2	32	—	2	11
5. Other canned foods	—	15	28	—	—	—
6. Fish (fresh)	—	—	91	—	—	—
7. Fruit and vegetables (fresh) ...	—	3	—	—	—	—
8. Frozen foods	—	3	72	—	—	—
9. Poultry	—	—	—	—	—	—
10. Other foods	—	3	102	—	—	—

5. Other canned foods	—	7	15
6. Fish (fresh)	—	—	74
7. Fruit and vegetables (fresh) ...	—	5	54
8. Frozen foods	—	2	87
9. Poultry	—	—	—
10. Other foods	—	—	—

Poultry : Salmonellae Examination:

No.	1971		No.	1972	
	Satisfactory	Unsatisfactory		Satisfactory	Unsatisfactory
60	40	20	98	64	16

Abattoir — Meat Inspection:

	1971					
	Cattle ex. Cows	Cows	Calves	Sheep & Lambs	Sows	Pigs
No. slaughtered	2029	46	8	14571	28	4907
No. inspected	2029	46	8	14571	28	4907

All diseases except T.B.

Whole carcasses condemned	1	2	4	4	3	26
Carcases of which some part or organ was condemned	201	32	0	604	6	200
Percentage of number inspected affected with diseases other than tuberculosis ...	9.96	73.91	50.00	4.17	32.07	4.61

Tuberculosis only

Whole carcasses condemned	0	0	0	0	0	0
Carcases of which some part or organ was condemned	0	0	0	0	0	6
Percentage of number inspected affected with tuberculosis ...	0	0	0	0	0	0.33

There were no carcasses affected by *Cysticercus Bovis*.

	1972					
No. slaughtered	1778	11	5	12679	28	4917
No. inspected	1778	11	5	12679	28	4917

	Cattle Ox. Cows	Cows	Calves	Sheep & Lambs	Sows	Pigs
All diseases except T.B.						
Whole carcasses condemned	1	1	1	8	2	15
Carcases of which some part or organ was condemned	164	6	1	480	6	146
Percentage of number inspected affected with diseases other than tuberculosis ...	9.28	63.6	40	3.08	28.57	3.28
Tuberculosis only						
Whole carcasses condemned	0	0	0	0	0	0
Carcases of which some part or organ was condemned	0	0	0	0	0	54
Percentage of number inspected affected with tuberculosis ...	0	0	0	0	0	1.09

There were no carcasses affected by *Cysticercus Bovis*.

UN SOUND MEAT FROM ABATTOIR

Beef	1971		1972	
	No.	lbs.	No.	lbs.
Cows — Other Diseases	2	833	1	376
Oxen — Other Diseases	1	420	1	350
Part Carcase — Other Diseases	14	580	10	346
Offal — Other Diseases	202	284	159	226
Pork				
Pigs — Other Diseases	26	1956	15	1045
Sows — Other Diseases	3	575	2	300
Part Carcase — Other Diseases	18	395	6	92
Part Carcase — Local Tuberculosis	16	171	54	452
Offal — Other Diseases	176	840	141	268
Veal				
Calves — Other Diseases	4	233	1	42
Part Carcase — Other Diseases	0	0	1	10
Offal — Other Diseases	4	16	1	3
Mutton and Lamb				
Carcases	4	105	8	185
Part Carcases	7	60	10	42
Offal	592	840	470	590

HOUSING

	1971	1972
No. of visits made during the year	372	383
No. of houses established in multiple occupation during the year	53	102
No. of houses established in multiple occupations requiring means of escape	50	97
No. of houses established in multiple occupation requiring additional facilities ...	15	37
No. of re-visits to houses previously registered	142	197
No. of house re-visited provided with means of escape	28	26
No. of houses with work in hand for means of escape	10	34

HOUSING STATISTICS

	1971	1972
1. Action under Statutory Powers		
i. Houses demolished in Clearance Areas	0	0
ii. Houses demolished not in Clearance Areas	1	1
iii. Houses: Unfit and Closed:		
(a) No. of Houses	1	2
(b) No. of Separate Dwellings	1	3
(c) No. of Parts of Buildings Closed ...	0	1
iv. No. of persons displaced	6	3
v. No. of Families displaced	3	2
vi. Unfit Houses made Fit:		
(a) After informal action by the Local Authority	55	42
(b) After normal notice under the Housing Acts	0	2
(c) After formal notice under the Public Health Acts	0	0
vii. Houses in which defects were remedied:		
(a) After informal action by the Local Authority	60	63
(b) After formal notice under the Housing Acts	0	0
(c) After formal notice under the Public Health Acts	2	0
(d) In default by the Local Authority	0	0
viii. No. of demolition orders revoked	0	0
No. of closing orders determined	6	5

OFFICES, SHOPS AND RAILWAY PREMISES

Five new registrations were recorded in 1971 and fifteen in 1972. Six premises were deleted from the register in 1971 and eleven in 1972, as they no longer came within the scope of the legislation.

	1971	1972
No. of Registered Premises	445	449
No. of General Inspections	92	203
Total Number of Inspections	163	246

ANALYSIS OF CONTRAVENTIONS

	1971	1972
Cleanliness	3	8
Overcrowding	2	3
Temperature	8	18
Ventilation	1	1
Lighting	1	4
Sanitary Conveniences	1	16
Washing Facilities	1	5
Drinking Water	0	0
Clothing Accommodation	1	3
Seating-Sedentary Worker	0	0
Eating Facilities	0	0
Floors, passages and stairs	4	10
Fencing exposed machinery	0	1
Protection of Young Persons from dangerous machinery	0	0
Training of young persons	0	0
Prohibition of heavy work	0	0
First Aid	5	22
Other Matters	12	2
Hoists and Lifts	0	1

No exemptions from providing facilities were applied for and none granted.

Reported Accidents

Three accidents were reported during 1971 and six in 1972. No action was taken after the investigation of each accident.

Public Places of Entertainment

All premises licensed were inspected at various times each year and with one exception only a few minor items were found requiring attention, which was always given without delay. The exception was a serious drainage problem, aggravated by a lack of supervision and although temporary clearances were affected it was realised by the

management that they had a serious problem. Architects have been engaged and it is hoped that the matter will be resolved in the near future.

Except for this one problem again no complaints from patrons have been received in respect of such premises.

ANIMAL BOARDING ESTABLISHMENTS

There are now only two licensed kennels in the Borough. Both are extremely well conducted and no complaints have been received from patrons boarding their pets or from neighbours.

PET ANIMALS ACT

There are three premises licensed to keep livestock on their retail premises.

One license was transferred from one shop to another in the same block as the lease of the former concluded.

The premises are well conducted and no complaints have been received in respect of any of them.

NOISE ABATEMENT

Few complaints have been received in respect of the use of road breaking equipment and it is pleasing to report that the majority of plant is fitted with mufflers.

A number of complaints have been remedied in respect of industrial noise nuisance. In most instances it has occurred in new businesses set up in parts of existing commercial complexes and often occurs at night, especially in the summer months and on Sundays.

SMOKE ABATEMENT

There has been no change in the general circumstances regarding the control of atmospheric pollution in the Borough.

It has to be recorded, however, that it is agreed in principle that all newly developed areas and those scheduled for development by the County Planning Authority should become smokeless zones. It is recommended that action be considered at an early date by the new District Council on its becoming responsible during 1974.

No complaints have been received in respect of any of the commercial and industrial boiler plant in service.

CARAVANS AND CAMPING

	1971	1972
No. of site licences—		
Individual	5	5
Multiple	10	10
Touring	1	1
Total No. of Caravans/Chalets	269	269
No. of caravans on touring site	35	35
No. of Contraventions	4	2
No. of contraventions remedied informally	4	2
No. of Licensed tent sites	0	0
No. of residential caravan sites	0	0
No. of Certified caravan sites	1	1
No. of tent sites permitted for holiday use	5	5
No. of Contraventions in respect of permitted tented sites	1	3

Two of the licenced multiple sites have no caravans on site and the owners have discontinued the business as they considered it uneconomical to comply with the legal and local conditions. Similarly two of the individual sites no longer have a caravan sited on them.

CERTIFICATE OF DISREPAIR

No applications for Certificates of Disrepair have been received.

QUALIFICATION CERTIFICATES

	1971	1972
A. In respect of property to which improvements are to be effected		
No. of applications	5	2
No. of Provisional Certificates approved ...	2	2
No. of Qualification Certificates approved after issue of provisional certificates	2	1
B. In respect of property already provided with standard amenities		
No. of applications	22	20
No. of Qualification Certificates issued	15	15
No. of refusals	1	0

REFUSE COLLECTION

A regular weekly service for the collection of refuse was maintained although some difficulties were encountered during the run-in period prior to the full application of the works studied bonus scheme. After those initial teething

troubles were overcome the service was maintained on a weekly basis with adjustments being made to the actual working schedules due to the development of two major building sites.

The service is maintained by four vehicles, consisting of two Dennis Paxit 3.C Major and two Dennis Paxit 3.C continuous loading vehicles with one further Dennis Paxit 3.C being held in reserve to allow for continuous servicing to meet the vehicle regulations. All vehicles have been plated to comply with these requirements. The remoter parts of the Rural District continue to be serviced by a pick-up vehicle. Each round is serviced by a driver and two men. During the holiday season additional bonus is paid to the staff by an agreement and one additional collector is employed.

REFUSE DISPOSAL

The machine at the tip has been replaced by a Komatsu S.20 which is proving to be a most satisfactory machine for the tip work and is able to cope with everything now being deposited there and is in the hands of a most conscientious and competent operator.

The lack of suitable top cover and soil is still very much of concern. However, every endeavour is made to avoid causing any nuisance to our neighbouring farmers in the locality. The Civic Amenities compound adjacent to the tip entrance for householders in the Borough to take extraordinary rubbish to, continues to prove very popular and has no doubt reduced the amount of indiscriminate dumping and burning in the Borough.

METEOROLOGICAL OBSERVATIONS, 1971

1971 Month	Mean reading of Mercurial Barometer in ins.	Dry Therm. Readings p.c. F.	Wet Therm. Readings p.c. F.	Maximum Therm. Readings p.c. F.	Minimum Therm. Readings p.c. F.	Rainfall in mm	Number of Days rainfall over 0.2 mm	Hours of Sunshine	Number of Days sunshine over 1 hour	Highest amount of rainfall in 24 hours	Date	Highest amount of sunshine in 24 hours	Date
January	29.83	42.72	40.30	48.00	37.42	97.5	21	59.2	14	11.1	30	6.8	10
February	30.10	41.07	39.12	47.60	37.96	56.7	11	78.8	18	22.6	14	8.2	21
March	29.94	41.37	39.62	47.85	37.77	84.2	14	96.4	20	14.4	4	8.4	4
April	29.94	46.73	44.24	52.11	41.99	55.9	7	151.7	23	19.4	22	13.3	28
May	29.88	54.03	50.42	59.27	46.42	37.1	10	259.8	30	15.6	28	14.2	19
June	29.94	54.42	51.51	59.31	49.58	80.3	13	128.0	21	21.4	18	11.9	4
July	30.12	60.88	57.65	67.30	56.09	49.7	9	265.0	30	13.4	23	14.6	18
August	29.83	60.05	56.58	65.54	55.27	94.0	13	161.0	26	29.1	10	14.1	2
September	30.15	58.57	55.61	66.01	53.12	27.4	8	189.7	24	12.6	26	12.5	5
October	30.12	53.79	50.65	59.76	48.88	52.6	12	106.7	20	14.0	16	10.2	1
November	29.93	47.26	44.32	50.99	43.29	123.3	19	59.5	14	23.6	20	7.2	4
December	30.19	46.95	44.52	50.23	43.17	29.7	7	45.5	16	14.7	22	5.3	23
Total						788.4	144	1601.3	256				
mean	30.00	50.65	47.88	56.16	45.91								
10 year average													
1960-69	29.88	49.51	46.62	54.91	44.91	694.7	165	1498.2	255				

Borough Treasurer's Department,
Civic Centre, Colwyn Bay

D. SHORE, Observer

METEOROLOGICAL OBSERVATIONS, 1972

1972 Month	Mean reading of Mercurial Barometer in ins.	Dry Therm. Readings p.c. F.	Wet Therm. Readings p.c. F.	Maximum Therm. Readings p.c. F.	Minimum Therm. Readings p.c. F.	Rainfall in mm	Number of Days rainfall over 0.1 mm	Hours of Sunshine	Number of Days sunshine over 1 hour	Highest amount of rainfall in 24 hours	Date	Highest amount of sunshine in 24 hours	Date
January	29.81	4.5	3.6	7.2	3.1	69.0	21	48.9	10	15.3	18	6.9	31
February	29.70	4.9	3.9	7.4	2.9	44.5	19	66.9	15	14.1	15	8.1	14
March	29.81	6.7	5.4	9.7	3.7	70.1	16	136.8	24	21.8	31	10.9	24
April	29.86	8.7	7.0	11.2	6.3	62.8	17	155.1	26	12.9	8	11.7	25
May	29.84	11.3	9.1	13.8	7.7	35.5	19	173.3	29	5.5	26	13.3	15
June	29.75	12.6	10.6	14.8	8.6	64.9	20	155.4	23	13.3	6	14.3	12
July	30.06	15.8	14.2	18.1	12.2	77.9	13	218.6	25	25.0	31	14.6	17
August	30.08	15.1	13.9	17.6	11.7	26.8	9	213.5	29	12.5	1	12.5	15
September	30.20	12.8	11.4	15.2	9.2	55.1	8	168.1	28	25.3	8	10.6	3
October	30.08	11.5	10.3	14.4	8.3	16.0	7	97.4	19	3.5	29	9.9	4
November	29.89	7.7	6.8	10.2	5.4	129.6	23	57.6	15	19.3	19	7.3	15
December	29.83	7.1	6.1	9.9	4.8	73.1	17	52.8	16	14.8	11	6.0	19
Total						725.3	189	1554.4	259				
mean	29.91	9.9	8.5	12.5	7.0								
Average													
1950-1972	29.88	10.1	8.5	13.0	7.2	756.6	212	1548.0	270				

Borough Treasurer's Department,
Civic Centre, Colwyn Bay

D. SHORE, Observer

