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Contributors

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Holywell Urban District Council

ANNUAL REPORT

OF THE

Medical Officer of Health

D. P. W. ROBERTS, M.B., Ch.B., M.R.C.S.,
L.R.C.P., D.R.C.O.G., D.P.H.

Together with the Annual Report of the

Public Health Inspector

H. L. FIELD, M.A.P.H.I.

FOR THE YEAR

1967





UNION DISTRICT OF POLYWELL

CYNGOR DOSBARTH DINESIG TREFFYNNON

Temp Hall, High Street, Radwell Tel. No. 3123/4

PUBLIC HEALTH COMMITTEE 1967

A D R O D D I A D

Councillor J. B. Roberts
(Chairman of the Council)

B L Y N D D O L

Councillor E. J. R. Catthorne (Chairman)

Councillor J. B. Roberts

Councillor A. M. Dickinson

Y

Councillor J. B. Roberts

Councillor A. M. Dickinson

Councillor E. J. R. Catthorne

Councillor M. E. Staley

SWYDDOG IECHYD

(D.P.W. ROBERTS, M.B., Ch.B., M.R.C.S.,
L.R.C.P., D.R.C.O.G., D.P.H.)

D.P.W. ROBERTS, M.B., Ch.B., M.R.C.S., L.R.C.P.,
D.R.C.O.G., D.P.H.

GYDA ADRODDIAD BLYNYDDOL Y

ARCHWILIWR IECHYD CYHOEDDUS

(H.L.FIELD, M.A.P.H.I.)

Associated Chief Officers :-

AM

Clerk of the Council :

R. Westcroft, F.R.S.B.

Engineer and Surveyor :

W. Isherwood, C.Eng., A.M.I.E.E., A.M.I.C.E.

Chief Financial Officer :

F. Long.

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CYRILLOUS DIOGENES' DISSERTATION

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ADRIANUS

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URBAN DISTRICT OF HOLYWELL

Health Department Offices:

Town Hall, High Street, Holywell Tel.No. 3375/6

PUBLIC HEALTH COMMITTEE 1967

Councillor A.G. Hughes

(Chairman of the Council)

Councillor K.J.B. Caithness (Chairman) Councillor W.H. Howitt.
Councillor H.M. Dickinson. Councillor R.J. Flaxman.
Councillor R. McKenzie. Councillor H.G. Roberts.
Councillor M.E. Risley.

PUBLIC HEALTH STAFF

Medical Officer of Health :

D.P.W. ROBERTS, M.B., Ch.B., M.R.C.S., L.R.C.P.,
D.R.C.O.G., D.P.H.

Public Health Inspector :

H.L. FIELD M.A.P.H.I.

Clerk :

Miss. L. Fenton.

Associated Chief Officers :-

Clerk of the Council : R. Woodruff, F.C.C.S.
Engineer and Surveyor : W. Isherwood, C.Eng., A.M.I.Mun.E., A.I.H.M.
Chief Financial Officer : F. Long.

URBAN DISTRICT OF HOLYWEILL

Health Department Offices:

Town Hall, High Street, Holyweill Tel. No. 2375/6

PUBLIC HEALTH COMMITTEE 1967

Councillor A.G. Hughes
(Chairman of the Council)

Councillor E.J.D. Cattham (Chairman)
Councillor R.M. Nicholson
Councillor R.J. Thomas
Councillor R.G. Roberts
Councillor M.E. Raley

PUBLIC HEALTH STAFF

Medical Officer of Health :

D.P.W. ROBERTS, M.B., Ch.B., M.R.C.S., L.R.C.P.,
D.R.C.O.G., D.P.H.

Public Health Inspector :

R.L. FIELD B.A., P.H.I.

Clerk :

Miss D. Panton

Associated Civil Officers :-

Clerk of the Council : E. Woodruff, T.O.G.S.

Engineer and Surveyor : W. Isherwood, C.Eng., A.M.I.N.E., A.I.E.E.

Chief Financial Officer : P. Long

HOLYWELL URBAN DISTRICT COUNCIL

ANNUAL REPORT

of the

MEDICAL OFFICER OF HEALTH

for the year 1967

TO THE CHAIRMAN AND MEMBERS OF THE HOLYWELL URBAN DISTRICT COUNCIL :-

Mr. Chairman, Ladies and Gentlemen,

I have pleasure in submitting my annual report for 1967.

The Registrar General's estimate of the mid-year population was 8,610 which is a decrease of 30 compared with 1966. This is rather astonishing in view of the amount of new buildings in Holywell, but these estimates are only guesses at what the population might be and it will be necessary to wait until a full census is carried out in 1971, before any accurate statistics can be formed.

There were 125 births during the year of which 118 were legitimate and 7 were illegitimate. The adjusted birth rate was 14.1 per 1,000 which was below the national average of 17.2. The illegitimacy rate was 56 per 1,000 which was significantly below the national average of 84 per 1,000 births. There were 4 still-births, which is a considerable rise on 1966, giving a still-birth rate of 31 per 1,000 live and still births, which is below the national of 14.8.

According to the Registrar General there was one death of an infant under one year of age, giving a local infant mortality rate of 7 per 1,000 live births, compared with the national average of 18.3. The local records show that there were three deaths of infants under one year of age giving a local infant mortality rate of 21 per 1,000 live births.

During the year 108 deaths occurred of which 33 were due to strokes, followed by coronary disease which accounted for 19 deaths, and cancer which accounted for 19 deaths.

There were 138 cases of measles notified during the year and 12 cases of whooping cough, 3 cases of dysentery and 1 case of tuberculosis. A vaccine has now been introduced to vaccinate susceptible children from one to seven years against measles, and it is hoped that the mass use of the vaccine will reduce the number of cases.

The Mass Radiography Unit attended during the year and a report of the units' activities is contained later on in this report. The authority have been informed that the Mass Radiography Unit will cease routine visits after 1967. This decision has been arrived at in the interests of economy.

During the year 74 council properties were built and 15 private houses. The Council's slum clearance programme is drawing to a close and the Public Health Department are now dealing with sub-standard properties which are capable of being made fit. Owner/occupiers and tenants of these properties should take advantage of the Government Financial Grants to improve their properties.

ANNUAL REPORT

of the

MEDICAL OFFICE OF HEALTH

for the year 1967

TO THE CHAIRMAN AND MEMBERS OF THE HOLLYWELL URBAN DISTRICT COUNCIL :-

Mr. Chairman, Ladies and Gentlemen,

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According to the Registrar General there was one death of an infant under one year of age, giving a local infant mortality rate of 7 per 1,000 live births, compared with the national average of 18.5. The local records show that there were three deaths of infants under one year of age giving a local infant mortality rate of 21 per 1,000 live births.

During the year 108 deaths occurred of which 77 were due to strokes, followed by coronary disease which accounted for 19 deaths, and cancer which accounted for 19 deaths.

There were 178 cases of measles notified during the year and 12 cases of whooping cough, 3 cases of diphtheria and 1 case of tuberculosis. A vaccine has now been introduced to vaccinate susceptible children from one to seven years against measles, and it is hoped that the mass use of the vaccine will reduce the number of cases.

The Mass Radiography Unit attended during the year and a report of the unit's activities is contained later on in this report. The authority have been informed that the Mass Radiography Unit will cease routine visits after 1967. This decision has been arrived at in the interests of economy.

During the year 74 council properties were built and 15 private houses. The Council's slum clearance programme is drawing to a close and the Public Health Department are now dealing with sub-standard properties which are capable of being made fit. Owners/occupiers and tenants of these properties should take advantage of the Government Financial Grants to improve their properties.

Little progress seems to have been made towards the final plans for a sewage disposal works in Holywell, and crude sewage still discharges into the Dee in a highly unsatisfactory manner.

At the end of the year, new office for the Council's staff were under final consideration.

Population change compared with previous year (December 31)

I should like to express my thanks to the Chairman and Members of the Council, Council Officials and Staff of the Health Department.

Number of empty properties (end of 1967)

41

Rateable value of the Urban District at end of 1967

£417,545

Product of young rate

£1679

General rate in 67

12s 11d.

Number of rated premises

5025

I am,

Yours Obedient Servant,

D.P.W. ROBERTS.

Holywell is an old port town, pleasant Medical Officer of Health. from the tidal estuary of the Dee, and with a long history of varied industries. The main industry now, is the production of vacuum paper staple at a large factory employing 2,500 persons. Other industries are engaged in paper making, and the weaving of woollen goods, and there are a number of distributive trades. Some residents work in nearby districts at a steel works, and in coal mining.

Little progress seems to have been made towards the final plans for a sewage disposal works in Holywell, and crude sewage still discharges into the Dee in a highly unsatisfactory manner.

At the end of the year, new office for the Council's staff were under final consideration.

I should like to express my thanks to the Chairman and Members of the Council, Council Officers and Staff of the Health Department.

I am,

Your Obedient Servant,

D.P.W. ROBERTS.

Medical Officer of Health.

GENERAL STATISTICS

Live Births : Male 55 Female 57	
Legitimate live births	118
Illegitimate live births	7
Illegitimate local rate per 1,000 live births	26
Population at mid-year 1967 (Registrar General's estimate)	8610
Population change compared with previous year (decrease of)	30
Number of inhabited properties (end of 1967)	2994
Number of empty properties (end of 1967)	41
Rateable value of the Urban District at end of 1967	£417,443
Product of penny rate	£1675
General rate in £1 rate per 1,000 live and still births	12s 11d.
Number of rated premises	3035

SOCIAL CONDITIONS IN THE URBAN DISTRICT

Holywell is an old market town pleasantly situated on land rising from the tidal estuary of the Dee, and with a long history of varied industries. The main industry now, is the production of viscose rayon staple at a large factory employing 2,500 persons. Other factories are engaged in paper making, and the weaving of woollen goods, and there are a number of distributive trades. Some residents work in nearby districts at a steel works, and in coal mining.

Deaths in first week of life (early neo-natal period)	1
Early neo-natal mortality rate per 1,000 live births	8
National early neo-natal mortality rate	10.5
Maternal mortality, including abortion :	
Number of deaths	241
Rate per 1,000 total live and still births	241

DEATHS

Deaths : Male 45 Female 60	
Gross death rate per 1,000 population	12.5
Disparability factor	0.85
Local death rate per 1,000 population	11.0
National death rate for England and Wales	10.2

GENERAL STATISTICS

Population at mid-year 1967 (Registrar General's estimate)	8810
Population change compared with previous year (decrease of)	30
Number of inhabited properties (end of 1967)	2994
Number of empty properties (end of 1967)	41
Rateable value of the Urban District at end of 1967	£417,443
Product of penny rate	£1672
General rate in £1	12s 11d.
Number of rated premises	3032

SPECIAL COMMENTS IN THE URBAN DISTRICT

Holywell is an old market town pleasantly situated on land rising from the tidal estuary of the Dee, and with a long history of varied industries. The main industry now, is the production of viscose rayon staple at a large factory employing 2,500 persons. Other factories are engaged in paper making, and the weaving of woollen goods, and there are a number of distributive traders. Some residents work in nearby districts at a steel works, and in coal mining.

VITAL STATISTICS

Live Births : Male 68 Female 57	125
Legitimate live births : Male 62 Female 56	118
Illegitimate live births	7
Illegitimate local rate per 1,000 live births	56
National Illegitimate rate per 1,000 live births	84
Crude birth rate per 1,000 population	14.5
Birth rate comparability factor	0.97
Birth rate standardised	14.1
National birth rate per 1,000 population	17.2
Still births (total)	4
Legitimate still births	4
Illegitimate still births	-
Local still birth rate per 1,000 live and still births	31
National still birth rate per 1,000 live and still births	14.8
Infant deaths under one year of age	1
Legitimate infant deaths under one year of age	1
Illegitimate infant deaths under one year of age	-
Infant Mortality Rate per 1,000 live births	8
National infant mortality rate per 1,000 live births	18.3
Legitimate infant deaths per 1,000 legitimate live births	8
Illegitimate infant deaths per 1,000 illegitimate live births	-
Infant deaths under 4 weeks of age (Neo-natal)	1
Legitimate infant deaths under 4 weeks of age	1
Illegitimate infant deaths under 4 weeks of age	-
Neo-natal mortality rate per 1,000 live births	8
National Neo-natal mortality rate	12.5
Total perinatal deaths (still births and deaths under one week combined)	5
Perinatal mortality rate per 1,000 live and still births	39
National perinatal mortality rate per 1,000 live and still births	25.4
Deaths in first week of life (early neo-natal period)	1
Early neo-natal mortality rate per 1,000 live births	8
National early neo-natal mortality rate	10.8
Maternal mortality, including abortion :	
Number of deaths	Nil
Rate per 1,000 total live and still births	Nil

DEATHS

Deaths : Male 48 Female 60	108
Crude death rate per 1,000 population	12.5
Comparability factor	0.88
Local death rate per 1,000 population	11.0
National death rate for England and Wales	11.2

VITAL STATISTICS

125	Live Births : Male 68 Female 57
118	Legitimate live births : Male 62 Female 56
7	Illegitimate live births
56	Illegitimate local rate per 1,000 live births
84	National illegitimate rate per 1,000 live births
14.5	Gross birth rate per 1,000 population
0.97	Birth rate comparability factor
14.1	Birth rate standardised
17.2	National birth rate per 1,000 population
4	Still births (total)
4	Legitimate still births
-	Illegitimate still births
31	Local still birth rate per 1,000 live and still births
14.8	National still birth rate per 1,000 live and still births
1	Infant deaths under one year of age
1	Legitimate infant deaths under one year of age
-	Illegitimate infant deaths under one year of age
8	Infant Mortality Rate per 1,000 live births
18.5	National infant mortality rate per 1,000 live births
8	Legitimate infant deaths per 1,000 legitimate live births
-	Illegitimate infant deaths per 1,000 illegitimate live births
1	Infant deaths under 4 weeks of age (Neo-natal)
1	Legitimate infant deaths under 4 weeks of age
-	Illegitimate infant deaths under 4 weeks of age
8	Neo-natal mortality rate per 1,000 live births
12.5	National Neo-natal mortality rate
5	Total perinatal deaths (still births and deaths under one week combined)
39	Perinatal mortality rate per 1,000 live and still births
25.4	National perinatal mortality rate per 1,000 live and still births
1	Deaths in first week of life (early neo-natal period)
8	Early neo-natal mortality rate per 1,000 live births
10.8	National early neo-natal mortality rate
	Natal mortality, including abortion :
111	Number of deaths
111	Rate per 1,000 total live and still births

DEATHS

108	Deaths : Male 48 Female 60
12.5	Gross death rate per 1,000 population
0.88	Comparability factor
11.0	Local death rate per 1,000 population
11.2	National death rate for England and Wales

POPULATION CHANGES IN THE URBAN DISTRICT

The following table shows the change in population due to migration :-

Year	Mid-year population R.G. estimated figure	Population change during the year	Change in population due to births and deaths only during year	Change in population due to migration
1958	8,250	+20	+77	-57
1959	8,320	+70	+48	+22
1960	8,360	+40	+31	+9
1961	8,400	+40	+51	-11
1962	8,470	+70	+38	+32
1963	8,470	Nil	+45	-45
1964	8,560	+90	+66	+24
1965	8,580	+20	+54	-34
1966	8,640	+60	-	+60
1967	8,610	-30	+17	-47

DEATHS FROM PRINCIPAL CAUSES

The table below indicates the common causes of death :-

	<u>In Holywell</u>	<u>National Return</u>
Heart Disease	27%	44%
Vascular lesions of C.N.S.	30%	17%
Cancer, excluding cancer of lung	15%	13%
All other causes	16.1%	8½%
Bronchitis	0.9%	5½%
Other circulatory diseases	6%	5%
Cancer of lung	2%	2½%
Pneumonia	3%	2½%
Other respiratory diseases	Nil	2%

POPULATION CHANGES IN THE URBAN DISTRICT

The following table shows the change in population due to migration :-

Year	Mid-year population A.D. estimated figure	Population change during the year	Change in population due to births and deaths only during year	Change in population due to migration
1958	8,250	+20	+77	-57
1959	8,250	+70	+48	+22
1960	8,280	+40	+31	+9
1961	8,400	+40	+51	-11
1962	8,470	+70	+38	+32
1963	8,470	Nil	+42	-42
1964	8,580	+90	+66	+24
1965	8,580	+20	+54	-34
1966	8,640	+60	-	+60
1967	8,610	-30	+17	-47

CAUSES OF DEATH

The table below indicates the causes of death :-

Causes of death	in 1967	National figure
Heart disease	27	45
Cancer of lung	20	17
Cancer, excluding cancer of lung	15	13
All other causes	16.75	8.5
Bronchitis	0.3	5.5
Other circulatory diseases	6	3
Cancer of lung	2	2.5
Pneumonia	3	2.5
Other respiratory diseases	11	3

CANCER :

The total number of deaths from cancer was 18, which was an increase of 6 over 1966. The commonest site was cancer of the stomach which accounted for 3 deaths. A considerable amount of research is being done into the causation of cancer but insofar as cancer of the stomach is concerned the cause is unknown, although there is a higher incidence in North Wales compared with other parts of the country. This may be connected with the question of ingestion of food and water which may contain traces of inorganic substances, which may have a bearing on the causation of cancer.

The figures shown below are extracts from the Registrar General's Returns :-

Cancer Deaths :	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967
Lung	8	2	7	3	4	3	4	6	4	2
Stomach	-	2	2	3	5	3	1	3	2	3
Breast	2	1	1	1	6	1	-	1	2	1
Uterus	-	2	-	-	1	-	-	-	-	2
Leukaemia	-	1	-	1	1	-	2	1	-	-
Other Sites	8	11	5	8	18	11	11	5	4	10
Total Deaths All Sites	18	19	15	16	35	18	18	16	12	18

CORONARY HEART DISEASE :

There were 19 deaths due to coronary heart disease during 1967 and this is a reduction of 13 in the previous year, which is in keeping with the average of the past ten years. It has been shown statistically that people who smoke, take little exercise and are over-weight, have an increased risk of coronary disease.

The following chart shows the annual deaths from this disease in the district for the past ten years :-

	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967
Deaths	15	18	16	22	18	21	18	18	32	19

INFANT MORTALITY :

According to the Registrar General there was one death of an infant under one year although the local records reveal that there were 3 deaths, as below :-

<u>Age at Death</u>	<u>Cause of Death</u>	<u>Sex</u>
17 hours	(a) Atelectasis	Female
	(b) Prematurity	
7 hours	(a) Prematurity	Male
6 hours	(a) Prematurity	Male

There were four still births details of which are shown below :-

<u>Cause of Death</u>	<u>Sex</u>
Intra uterine death	Female
Intra uterine death	Male
Antepartum accidental haemorrhage	Male
Microcephaly and meningocele	Female

The total number of deaths from cancer was 18, which was an increase of 6 over 1966. The commonest site was cancer of the stomach which accounted for 5 deaths. A considerable amount of research is being done into the causation of cancer but insofar as cancer of the stomach is concerned the cause is unknown, although there is a higher incidence in North Wales compared with other parts of the country. This may be connected with the question of ingestion of food and water which may contain traces of inorganic substances, which may have a bearing on the causation of cancer.

The figures shown below are extracts from the Registrar General's Returns :-

Cancer Deaths : 1958	1959	1960	1961	1962	1963	1964	1965	1966	1967
Lung	8	2	7	3	4	3	4	4	2
Stomach	-	2	2	2	2	1	2	2	2
Breast	2	1	1	1	1	1	1	2	1
Uterus	-	2	-	-	-	-	-	-	2
Leukaemia	-	1	-	1	-	2	1	-	-
Other Sites	8	11	2	8	18	11	2	4	10
Total Deaths	18	19	12	16	22	18	16	12	18
All Sites									

CHRONIC HEART DISEASE

There were 19 deaths due to coronary heart disease during 1967 and this is a reduction of 17 in the previous year, which is in keeping with the average of the past ten years. It has been shown statistically that people who smoke, take little exercise and are over-weight, have an increased risk of coronary disease.

The following chart shows the annual deaths from this disease in the district for the past ten years :-

Deaths : 1958	1959	1960	1961	1962	1963	1964	1965	1966	1967
12	18	10	22	18	21	18	18	22	19

INFANT MORTALITY :

According to the Registrar General there was one death of an infant under one year during 1967. Details of this death reveal that there were 3 deaths, as follows :-

Age at Death	Cause of Death	Sex
17 hours	(A) Asphyxia	Female
7 hours	(B) Prematurity	Male
6 hours	(C) Prematurity	Male

There were four still births details of which are shown below :-

Age at Death	Cause of Death	Sex
17 hours	Infant uterine death	Female
7 hours	Infant uterine death	Male
6 hours	Antepartum cord death	Male
17 hours	Microcephaly and meningitis	Female

TABLE SHOWING VITAL STATISTICS OF THE DISTRICT FOR PAST TEN YEARS

Year	Registrar General's mid-year estimate of population	Number of local births R.G. Return	Local crude birth rate per 1,000 population	Local adjusted rate	National birth rate per 1,000 population	Local deaths : R.G. Return	Crude death rate per 1,000 population	Adjusted local rate per 1,000 population	National death rate per 1,000 population	Infant deaths : Under 1 year of age	Local infant mortality rate per 1,000 live births	National infant mortality rate
1958	8,250	171	20.72	20.92	16.4	94	11.39	13.44	11.7	7	40.93	22.5
1959	8,320	161	19.35	19.54	16.5	113	13.58	14.39	11.6	8	19.68	22.0
1960	8,360	150	17.94	18.11	17.1	119	14.23	11.52	11.5	2	13.33	21.7
1961	8,400	173	20.59	20.79	17.4	122	14.52	13.21	12.0	4	23.12	21.4
1962	8,470	184	21.72	21.93	18.0	146	17.23	N.A.	11.9	7	38.04	21.6
1963	8,470	174	20.54	19.2	18.2	129	15.23	N.A.	12.2	6	34.38	20.0
1964	8,560	168	19.6	19.0	18.4	102	11.92	N.A.	11.3	-	N.A.	20.0
1965	8,580	172	20.0	19.4	18.0	118	13.7	10.2	11.5	1	5.8	19.0
1966	8,640	133	15.4	14.9	17.7	133	15.4	10.5	11.7	1	7.0	19.0
1967	8,610	125	14.5	14.1	17.2	108	12.5	11.0	11.2	1	8.0	18.3

N.A. Not Available

CAUSES OF DEATH BY DIFFERENT PERIODS OF LIFE DURING 1901 IN THE ORDER OF DEGREE OF IMPORTANCE

CAUSE OF DEATH	Sex	Total All Ages	Under 4 weeks	4 weeks and under 1 year	AGE IN YEARS																	
					1 - 5	5 - 15	15 - 25	25 - 35	35 - 45	45 - 55	55 - 65	65 - 75	75 and over									
10. Malignant Neoplasm, Stomach	M	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	F	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
11. Malignant Neoplasm, Lung, Bronchus	M	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12. Malignant Neoplasm, Breast	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	F	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
13. Malignant Neoplasm, Uterus	F	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14. Other Malignant and Lymphatic Neoplasms	M	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	F	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17. Vascular Lesions of Nervous System	M	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	F	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18. Coronary Disease, Angina	M	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	F	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19. Hypertension with Heart Disease	M	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	F	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20. Other Heart Disease	M	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	F	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21. Other Circulatory Disease	M	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	F	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23. Pneumonia	M	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	F	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24. Bronchitis	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	F	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29. Hyperplasia of Prostate	M	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32. Other Defined and Ill- Defined Diseases	M	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	F	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34. All Other Accidents	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	F	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL ALL CAUSES	M	48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	F	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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PREVALENT DISEASES NOTIFIED FOR 1951

	Under 1 year	1 - 2 years	3 - 4 years	5 - 9 years	10 - 14 years	15 - 20 years	21 - 35 years	36 - 65 years	Over 65 years	Age Unknown	At all Ages	Deaths
Scarlet Fever	-	-	1	-	-	-	-	-	-	-	1	-
Whooping Cough	2	4	1	4	-	-	1	-	-	-	12	-
Measles	7	41	37	51	1	-	-	-	-	1	138	-
Ophthalmia	-	-	-	-	-	-	-	-	-	-	-	-
Neonatorum	-	-	-	-	-	-	-	-	-	-	-	-
Pneumonia	-	-	-	-	-	-	-	1	-	-	2	-
Erysipelas	-	-	-	-	-	-	-	-	-	-	-	-
Paratyphoid and Typhoid	-	-	-	-	-	-	-	-	-	-	-	-
Food Poisoning	-	-	-	-	-	-	-	-	-	-	-	-
Polioomyelitis	-	-	-	-	-	-	-	-	-	-	-	-
Puerperal Pyrexia	-	-	-	-	-	-	-	-	-	-	-	-
Dysentery	-	-	-	1	-	-	1	-	-	1	3	-
Tuberculosis Res.	-	-	-	-	-	1	-	-	-	-	1	-
Tuberculosis (Non-respiratory)	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal Infection	-	-	-	-	-	-	-	-	-	-	-	-
Infective Hepatitis	-	-	1	4	-	1	-	-	-	-	6	-

DISTRICT OVER THE PAST TEN YEARS : -

[illegible]

DISCERN

	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970
1	1	2	5	11	17	25	35	44	50	57
2	5	11	18	26	35	44	50	57	63	69
3	11	18	26	35	44	50	57	63	69	75
4	18	26	35	44	50	57	63	69	75	81
5	26	35	44	50	57	63	69	75	81	87
6	35	44	50	57	63	69	75	81	87	93
7	44	50	57	63	69	75	81	87	93	99
8	50	57	63	69	75	81	87	93	99	105
9	57	63	69	75	81	87	93	99	105	111
10	63	69	75	81	87	93	99	105	111	117
11	69	75	81	87	93	99	105	111	117	123
12	75	81	87	93	99	105	111	117	123	129
13	81	87	93	99	105	111	117	123	129	135
14	87	93	99	105	111	117	123	129	135	141
15	93	99	105	111	117	123	129	135	141	147
16	99	105	111	117	123	129	135	141	147	153
17	105	111	117	123	129	135	141	147	153	159
18	111	117	123	129	135	141	147	153	159	165
19	117	123	129	135	141	147	153	159	165	171
20	123	129	135	141	147	153	159	165	171	177
21	129	135	141	147	153	159	165	171	177	183
22	135	141	147	153	159	165	171	177	183	189
23	141	147	153	159	165	171	177	183	189	195
24	147	153	159	165	171	177	183	189	195	201
25	153	159	165	171	177	183	189	195	201	207
26	159	165	171	177	183	189	195	201	207	213
27	165	171	177	183	189	195	201	207	213	219
28	171	177	183	189	195	201	207	213	219	225
29	177	183	189	195	201	207	213	219	225	231
30	183	189	195	201	207	213	219	225	231	237
31	189	195	201	207	213	219	225	231	237	243
32	195	201	207	213	219	225	231	237	243	249
33	201	207	213	219	225	231	237	243	249	255
34	207	213	219	225	231	237	243	249	255	261
35	213	219	225	231	237	243	249	255	261	267
36	219	225	231	237	243	249	255	261	267	273
37	225	231	237	243	249	255	261	267	273	279
38	231	237	243	249	255	261	267	273	279	285
39	237	243	249	255	261	267	273	279	285	291
40	243	249	255	261	267	273	279	285	291	297
41	249	255	261	267	273	279	285	291	297	303
42	255	261	267	273	279	285	291	297	303	309
43	261	267	273	279	285	291	297	303	309	315
44	267	273	279	285	291	297	303	309	315	321
45	273	279	285	291	297	303	309	315	321	327
46	279	285	291	297	303	309	315	321	327	333
47	285	291	297	303	309	315	321	327	333	339
48	291	297	303	309	315	321	327	333	339	345
49	297	303	309	315	321	327	333	339	345	351
50	303	309	315	321	327	333	339	345	351	357
51	309	315	321	327	333	339	345	351	357	363
52	315	321	327	333	339	345	351	357	363	369
53	321	327	333	339	345	351	357	363	369	375
54	327	333	339	345	351	357	363	369	375	381
55	333	339	345	351	357	363	369	375	381	387
56	339	345	351	357	363	369	375	381	387	393
57	345	351	357	363	369	375	381	387	393	399
58	351	357	363	369	375	381	387	393	399	405
59	357	363	369	375	381	387	393	399	405	411
60	363	369	375	381	387	393	399	405	411	417
61	369	375	381	387	393	399	405	411	417	423
62	375	381	387	393	399	405	411	417	423	429
63	381	387	393	399	405	411	417	423	429	435
64	387	393	399	405	411	417	423	429	435	441
65	393	399	405	411	417	423	429	435	441	447
66	399	405	411	417	423	429	435	441	447	453
67	405	411	417	423	429	435	441	447	453	459
68	411	417	423	429	435	441	447	453	459	465
69	417	423	429	435	441	447	453	459	465	471
70	423	429	435	441	447	453	459	465	471	477
71	429	435	441	447	453	459	465	471	477	483
72	435	441	447	453	459	465	471	477	483	489
73	441	447	453	459	465	471	477	483	489	495
74	447	453	459	465	471	477	483	489	495	501
75	453	459	465	471	477	483	489	495	501	507
76	459	465	471	477	483	489	495	501	507	513
77	465	471	477	483	489	495	501	507	513	519
78	471	477	483	489	495	501	507	513	519	525
79	477	483	489	495	501	507	513	519	525	531
80	483	489	495	501	507	513	519	525	531	537
81	489	495	501	507	513	519	525	531	537	543
82	495	501	507	513	519	525	531	537	543	549
83	501	507	513	519	525	531	537	543	549	555
84	507	513	519	525	531	537	543	549	555	561
85	513	519	525	531	537	543	549	555	561	567
86	519	525	531	537	543	549	555	561	567	573
87	525	531	537	543	549	555	561	567	573	579
88	531	537	543	549	555	561	567	573	579	585
89	537	543	549	555	561	567	573	579	585	591
90	543	549	555	561	567	573	579	585	591	597
91	549	555	561	567	573	579	585	591	597	603
92	555	561	567	573	579	585	591	597	603	609
93	561	567	573	579	585	591	597	603	609	615
94	567	573	579	585	591	597	603	609	615	621
95	573	579	585	591	597	603	609	615	621	627
96	579	585	591	597	603	609	615	621	627	633
97	585	591	597	603	609	615	621	627	633	639
98	591	597	603	609	615	621	627	633	639	645
99	597	603	609	615	621	627	633	639	645	651
100	603	609	615	621	627	633	639	645	651	657

1. The first part of the document is a list of names and addresses of the members of the committee. The names are listed in the first column, and the addresses are listed in the second column. The names are: Mr. J. H. Smith, Mr. J. H. Jones, Mr. J. H. Brown, Mr. J. H. White, Mr. J. H. Black, Mr. J. H. Green, Mr. J. H. Grey, Mr. J. H. Blue, Mr. J. H. Yellow, Mr. J. H. Purple, Mr. J. H. Pink, Mr. J. H. Red, Mr. J. H. Orange, Mr. J. H. Brown, Mr. J. H. White, Mr. J. H. Black, Mr. J. H. Green, Mr. J. H. Grey, Mr. J. H. Blue, Mr. J. H. Yellow, Mr. J. H. Purple, Mr. J. H. Pink, Mr. J. H. Red, Mr. J. H. Orange. The addresses are: 123 Main Street, 456 Main Street, 789 Main Street, 101 Main Street, 202 Main Street, 303 Main Street, 404 Main Street, 505 Main Street, 606 Main Street, 707 Main Street, 808 Main Street, 909 Main Street, 1010 Main Street, 1111 Main Street, 1212 Main Street, 1313 Main Street, 1414 Main Street, 1515 Main Street, 1616 Main Street, 1717 Main Street, 1818 Main Street, 1919 Main Street, 2020 Main Street.

INFECTIOUS DISEASES

There were 138 cases of measles notified during the year which is above the average for the previous years. A vaccine is now available and is being offered to susceptible children between the ages of 1 to 7 and it is hoped that the public will accept it. If there is a general acceptance it will mean a considerable reduction in the number of cases of measles.

There were 12 cases of whooping cough and 3 cases of dysentery and 1 case of tuberculosis notified also.

CHEST X-RAY FACILITIES

The Welsh Regional Hospital Board has a mobile X-Ray unit based at Wrexham, which visits all parts of North Wales, and is at the Town Hall every third Monday, all day. The unit is available to all members of the public, except young children.

Chest X-Ray by the Mass Radiography Unit in Flintshire in 1967 and breakdown of figures :-

<u>Circuit Location</u>	<u>Number Examined</u>	<u>Number of Visits</u>	<u>Average Attendance</u>
Holywell	1,028	15	69
Mold	1,096	16	69
Rhyl	2,192	15	146
Shotton	786	16	49
Special Surveys	1,793	-	-

Analysis showing Type of Examinee

<u>Type of Examinee</u>	<u>Flintshire</u>
General Population Volunteers	4,541
General Practitioners Referrals	140
Scholars	354
Students	128
Contracts	27
Mental Hospital Staff	45
Factory Groups - Industrial	1,603
- Non Industrial	50
Special Groups	-
Mental Patients	107
	<u>6,895</u>

INFECTIOUS DISEASES

There were 158 cases of measles notified during the year which is above the average for the previous years. A vaccine is now available and is being offered to susceptible children between the ages of 1 to 7 and it is hoped that the public will accept it. If there is a general acceptance it will mean a considerable reduction in the number of cases of measles.

There were 12 cases of whooping cough and 3 cases of dysentery and 1 case of tuberculosis notified also.

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Shotton	766	16	49
Special Surveys	1,793	-	-

Analysis showing Type of Examinee

Type of Examinee	Flintshire
Mental Patients	107
Special Groups	-
Factory Groups - Industrial	1,803
- Non Industrial	50
Mental Hospital Staff	45
Contacts	27
Students	126
Children	354
General Practitioners Patients	140
General Population Volunteers	4,561
Total	8,693

Details of total number of cases referred to Chest Clinic or diagnosed as abnormal by the Mass Radiography Unit :-

	<u>Referred for further investigation to Chest Clinic</u>	<u>Other Pulmonary Abnormalities diagnosed on Unit</u>	<u>TOTAL</u>
Holywell	5	14	19
Mold	6	13	19
Rhyl	105	110	215
Shotton	4	7	11
Special Surveys	9	19	28

Analysis of total number of cases found to be abnormal :-

<u>Abnormality</u>	<u>Flintshire</u>
Confirmed Pulmonary Tuberculosis	
'New' Cases	1
* 'Old' Cases	-
Requiring further observation at Chest Clinic	-
Healed Primary Tuberculosis	23
Healed Post Primary Tuberculosis	54
Abnormality of the Bony Thorax and soft tissues	32
Malignant Neoplasm	8
Non-Malignant Neoplasm	2
Lymphadenopathies excluding Sarcoidosis	1
Sarcoids	2
Congenital Cardiac Abnormalities	2
Acquired Cardiac Abnormalities	48
Pneumoconiosis - without P.M.F.	4
Pneumoconiosis - with P.M.F.	1
Pulmonary Fibrosis - non tuberculous (to include Asthma and Bronchitis)	14
Emphysema	9
Bronchiectasis	6
Bacterial or virus infection	4
Pleural thickening or calcification	31
Abnormalities of the Diaphragm and Oesophagus	7
Spontaneous Pneumothorax	1
Diagnosis not yet received from Chest Physician	3
Failed to attend Chest Clinic	6
	<hr/>
	259
Negative after investigation at Chest Clinic	33
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	292
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* Old cases refer to examinees who are notified cases of pulmonary tuberculosis known to the Chest Clinic prior to Mass Radiography Examination.

Analysis of total number of cases found to be abnormal :-
 Diagnosed as abnormal by the Chest Clinic :-

Special Surveys	Shotton	Bayl	Moia	Holwell	Referred for further investigation to Chest Clinic	Other Pulmonary Abnormalities diagnosed on Unit	TOTAL
9	4	102	6	5	14	19	19
					12	19	19
					110	212	212
					7	11	11
					19	28	28

Analysis of total number of cases found to be abnormal :-

Abnormality Pulmonary

Confirmed Pulmonary Tuberculosis	1
New Cases	1
Old Cases	1
Requiring further observation at Chest Clinic	2
Healed Primary Tuberculosis	22
Healed Post Primary Tuberculosis	24
Abnormality of the bony thorax and soft tissues	22
Malignant Neoplasm	8
Non-Malignant Neoplasm	2
Lymphadenopathies excluding Sarcoidosis	1
Sarcoidosis	2
Congenital Cardiac Abnormalities	2
Acquired Cardiac Abnormalities	2
Pneumoconiosis - without P.M.F.	4
Pneumoconiosis - with P.M.F.	1
Primary Fibrosis - non-tuberculous (to include Asbestosis and Siderosis)	14
Emphysema	9
Bronchiectasis	6
Bacterial or viral infection	4
Pleural thickening or calcification	21
Abnormalities of the Diaphragm and Hemidiaphragm	7
Spontaneous Pneumothorax	1
Diagnosis not yet received from Chest Clinic	2
Excluded	6
Failed to attend Chest Clinic	6
Negative after investigation at Chest Clinic	22
	259
	259

* Old cases refer to examinees who are notified cases of pulmonary tuberculosis known to the Chest Clinic prior to Mass Radiography Examination.

PROVISION OF SERVICES UNDER THE NATIONAL HEALTH

SERVICES ACT, 1946

The following local services are the responsibility of the Flintshire County Council, and I am indebted to the County Medical Officer of Health, Dr. G.W. Roberts, for allowing me to give the following details :-

SECTION 22 - CARE OF MOTHERS AND YOUNG CHILDREN - INFANT WELFARE CENTRES :

The Clinic premises are in Park Lane, Holywell and an infant welfare clinic is held every Thursday afternoon from 1.30 - 4.30 p.m. There is also an additional clinic in School Lane, Greenfield, where an infant welfare clinic is held every Tuesday afternoon 1.30 - 4.30 p.m.

Welfare foods (Vitamin tablets, cod liver oil and orange juice) are distributed at these clinics.

ANTE NATAL CLINICS :

Ante Natal Clinics are held at Park Lane Clinic weekly and are staffed by hospital and nursing personnel, under the direction of the consultant Obstetrician.

Talks are given to mothers attending these Clinics by the health visitors on childbirth and baby management.

FAMILY PLANNING :

Family planning is available at Flint and Rhyl.

Cervical Smear Clinics

Clinics are now available by appointment at Connah's Quay and Rhyl for women to attend to have cervical smears taken. Women who wish to avail themselves of this service, should contact their general practitioner or call at the Infant Welfare Clinic.

DENTAL CARE OF EXPECTANT MOTHERS :

This is carried out by the school dental staff of the County Council, and the service is free during the period of pregnancy and up to one year after the birth of the baby. It is regrettable that more mothers do not take advantage of these facilities.

SECTION 23 - MIDWIFERY SERVICES :

There are two midwives, who are also district nurses, working in the area, also two part-time nurses, and they are responsible for the ante-natal care, delivery and post-natal surveillance of these patients, under the general direction of the patient's doctor.

REVISION OF SERVICES UNDER THE NATIONAL HEALTH

SERVICES AUG. 1946

The following local services are the responsibility of the Planning Council, and I am indebted to the County Medical Officer of Health, Dr. G.W. Roberts, for allowing me to give the following details :-

SECTION 22 - CARE OF WOMEN AND YOUNG CHILDREN - INFANT WELFARE CENTRE :

The Clinic premises are at Park Lane, Holwell and an infant welfare clinic is held every Tuesday afternoon from 1.30 - 4.30 p.m. There is also an additional clinic at School Lane, Greenfield, where an infant welfare clinic is held every Tuesday afternoon 1.30 - 4.30 p.m. Welfare foods (Vitamin tablets, cod liver oil and orange juice) are distributed at these clinics.

ANTE-NATAL CLINIC :

Ante Natal Clinics are held at Park Lane Greenfield weekly and are staffed by hospital and nursing personnel, under the direction of the consultant Obstetrician. Talks are given to mothers attending these Clinics by the health visitors on childbirth and baby management.

FAMILY PLANNING :

Family planning is available at Flint and Rhyl.

Cervical Smear Clinics

Clinics are now available by appointment at Gosham's Quay and Rhyl for women to attend to have cervical smears taken. Women who wish to avail themselves of this service, should contact their general practitioner or call at the Infant Welfare Clinic.

UNITED CASES OF INFANT MORTALITY :

This is carried out by the school staff of the County Council, and the service is free during the period of pregnancy and up to one year after the birth of the baby. It is regrettable that more mothers do not take advantage of these facilities.

SECTION 23 - MIDWIFERY SERVICES :

There are two midwives, who are also district nurses, working in the area, also two part-time nurses, and they are responsible for the ante-natal care, delivery and post-natal surveillance of these patients, under the general direction of the patient's doctor.

SECTION 24 - HEALTH VISITORS :

There are two full-time health visitors who are responsible for giving advice to families on all aspects of health education. These duties have increased of late due to the ever expanding needs of the community, especially the older members. Their duties are complimentary to the work of the general practitioners, who are often too busy to be able to give the necessary time to such matters as health education.

SECTION 25 - HOME NURSING SERVICES :

This very valuable provision is carried out by the district nurses, who are usually midwives, and the demands of the service increase yearly as the proportion of old people rises in the community.

SECTION 26 - VACCINATION AND IMMUNISATION :

Smallpox :

As a result of Ministry of Health recommendation it is now the policy to vaccinate infants at one year of age instead of at birth or within the first three months, and the vaccination rate has fallen considerably during the past year.

Poliomyelitis :

Vaccination against poliomyelitis continued throughout the year, but oral vaccination has now superseded the Salk vaccine which was given by injection.

Measles :

Vaccination is now being offered to susceptible children under one year of age and it is hoped that the public will accept the vaccine and that mass vaccination will reduce the incidence of the disease.

TUBERCULOSIS :

All 13 year old children are offered vaccination (by the use of live attenuated tubercle bacilli B.C.G.) against this disease and the majority of children are protected. The percentage of children who do not require vaccination is high i.e. they have already had contact with the disease and developed a successful immunity, and this indicates a significantly high level of tuberculosis infection in the community.

SECTION 27 - AMBULANCES :

The ambulance service is radio controlled and administered from the headquarters at Mold. A local station is situated in Holywell.

SECTION 24 - HEALTH VISITORS :

There are two full-time health visitors who are responsible for giving advice to families on all aspects of health education. These duties have increased of late due to the ever expanding needs of the community, especially the older members. Their duties are complementary to the work of the general practitioners, who are often too busy to be able to give the necessary time to such matters as health education.

SECTION 25 - HOME VISITING SERVICE :

This very valuable provision is carried out by the district nurses, who are usually visiting, and the demands of the service increase yearly as the proportion of old people rises in the community.

SECTION 26 - VACCINATION AND IMMUNISATION :

As a result of Ministry of Health recommendations it is now the policy to vaccinate infants at one year of age instead of at birth or within the first three months, and the vaccination rate has fallen considerably during the past year.

Vaccination against poliomyelitis continued throughout the year, but oral vaccination has now superseded the Salk vaccine which was given by injection.

Vaccination is now being offered to susceptible children under one year of age and it is hoped that the public will accept the vaccine and that mass vaccination will reduce the incidence of the disease.

SECTION 27 - TUBERCULOSIS :

All 15 year old children are offered vaccination (by the use of live attenuated tubercle bacilli B.C.G.) against this disease and the majority of children are protected. The percentage of children who do not require vaccination is high i.e. they have already had contact with the disease and developed a successful immunity, and this indicates a significantly high level of tuberculous infection in the community.

SECTION 28 - AMBULANCE :

The ambulance service is radio controlled and administered from the headquarters at Kold. A local station is situated in Holwell.

MENTAL HEALTH AND SUBNORMALITY :

Visits are paid by mental welfare officers of the County Council to mentally ill patients who require advice and help.

Subnormal children who cannot be educated in an ordinary school, and who are not severely retarded (i.e. in the idiot category), are admitted to the Training Centre at "Tirionfa", Rhuddlan. There they receive training to the limits of their capabilities. There is also an Adult Training Centre, at Greenfield, for men and women.

VENEREAL DISEASE :

Treatment is available at the following special clinics :-

H.M. Stanley Hospital, St. Asaph

Males and Female - Tuesday 5.30 - 7 p.m.

Chester Royal Infirmary

Males - Wednesday 5 - 7 p.m. Saturday 11 a.m. - 1 p.m.

Females - Monday - 5 - 7 p.m. Thursday 5 - 7 p.m.

Treatment is confidential and free, inclusive of travelling expenses.

NURSING HOMES :

The following Nursing Home is registered with the County Council, and is inspected periodically : "Glyn Abbot", Bagillt Road, Holywell.

WELFARE HOMES :

Persons who are unable to look after themselves satisfactorily may be admitted to County Council Homes which are situated at Y Gorlan, Rhyl; The Lawns, Rhyl; Part of the Womens Convalescent Home, Rhyl; Carr Holme, Prestatyn; Park House, Prestatyn; Hafad Glyd, Shotton; and Mold. A site has been acquired by the County Council in Holywell and although there are certain difficulties to be ironed out it is hoped that an early start will be made.

SECTION 27 - NATIONAL ASSISTANCE ACT, 1948

This section conveys powers on District Councils to remove persons who "are aged, infirm, or suffering from chronic diseases, and are living in insanitary conditions are unable to look after themselves and are not receiving adequate care and attention from others". In 1967 it was not necessary to take any legal action. Legal action is only taken as a last resort and every effort is made to persuade people to accept advice and treatment for their benefit. The demands of the aged increase annually as the proportion of this group within the population rises. This problem of the care of the aged is aggravated by relatives often living considerable distances away, being unable or unwilling for various reasons, to help in the care of their next of kin.

A number of visits were made to cases of people in Holywell, who were living in unsatisfactory conditions and arrangements were made for their removal to hospital either on a temporary or permanent basis.

PUBLIC HEALTH LABORATORY SERVICE :

The local public health laboratory is at Chester (Dr.P. Poole is the Director) and bacteriological examination of specimens sent from the Urban District are examined here. They have been most co-operative and my gratitude is extended to them for their advice and help throughout the year.

FOOD HYGIENE (GENERAL) REGULATIONS, 1960 :

Routine inspections of food premises were maintained, and there are 37 food businesses and 29 catering businesses, all of which comply with the requirements of Regulations 16 and 19.

There is one poultry processing business dealing with about 11,000 birds a year, mostly hens, which is visited weekly. Two percent of the birds were rejected as unfit for human consumption giving a total weight of 900 lbs. The premises are in an area scheduled for early re-development and it is hoped that the business will soon be transferred to a more suitable location.

HOUSING :

During the year the following units of housing accommodation were provided in the town :-

New houses and flats provided by the Council	74
Private properties, mainly bungalows	15

Since the war the Council have built 731 houses, bungalows and flats also 309 private dwellings have been built.

The table below indicates the yearly totals of new housing construction in the town over the past ten years :-

<u>Year</u>	<u>New Council Houses Bungalows or Flats</u>	<u>New Private Houses or Bungalows</u>	<u>Number of Inhabited Properties in Town</u>
1967	74	15	2994
1966	59	9	2590
1965	38	32	2571
1964	-	57	2552
1963	-	21	2526
1962	20	16	2660
1961	77	27	2576
1960	49	8	2494
1959	9	9	2450
1958	-	12	2419

The waiting list for council accommodation at the end of 1967 was as follows :-

Number of families in general list	approximately	150
Number of persons waiting for old persons' accommodation	approximately	30

Regulations of food premises were maintained, and there are 37 food businesses and 29 catering businesses, all of which comply with the requirements of Regulations 18 and 19.

There is one poultry processing business dealing with about 11,000 birds a year, mostly hens, which is visited weekly. Two percent of the birds were rejected as unfit for human consumption giving a total weight of 900 lbs. The premises are in an area scheduled for early re-development and it is hoped that the business will soon be transferred to a more suitable location.

HOUSING :

During the year the following units of housing accommodation were provided in the town :-

New houses and flats provided by the Council 74
Private properties, mainly bungalows 15

Since the war the Council have built 737 houses, bungalows and flats since 309 private dwellings have been built.

The table below indicates the yearly totals of new housing construction in the town over the past ten years :-

Year	New Council Houses Bungalows or Flats	New Private Houses or Bungalows	Number of inhabited properties in town
1967	74	15	2994
1966	59	9	2590
1965	38	32	2571
1964	"	27	2555
1963	"	21	2526
1962	20	16	2660
1961	77	27	2798
1960	49	8	2494
1959	9	9	2450
1958	"	12	2419

The waiting list for council accommodation at the end of 1967 was as follows :-

Number of families in general list approximately 150
Number of persons waiting for council accommodation approximately 30

WATER SUPPLY :

There is an efficient and abundant supply of bacteriologically and chemically pure water which is supplied by the Alwen Reservoir. The Water Engineer and the staff of the Central Flintshire Water Board normally carry out the analysis of the water. Thirteen samples were taken during the year and the majority were satisfactory and when otherwise appropriate action was taken to have the abnormality rectified.

The St. Winefride's Well is supplied with water from an addit fed by an underground water pipe. Samples of the water were sent to the Public Health Laboratory for analysis at periodic intervals.

A recent sample of water was submitted for analysis and the following details are given below :-

ANALYSIS :

Location Holywell

pH	9.20
Colour (Hazen Units)	6
Electrical Conductivity	100
Turbidity	2
Free Carbon Dioxide	
Alkalinity as (CaCO ₃)	18
Permanent Hardness (as CaCO ₃)	16
Total Hardness (as CaCO ₃)	34
Oxygen absorbed (4 hrs. @ 27°C)	
Nitrogen: Free and Saline Ammonia	
Albuminoid Ammonia	
Nitrites (NO ₂)	
Nitrites (NO ₃)	
Phosphates (P2O ₅)	
Silicates (SiO ₂)	
Sulphates (SO ₄)	
Chlorides (Cl)	15
Metals : Calcium as CaCO ₃	24
Magnesium as CaCO ₃	10
Iron (Fe)	
Manganese (Mn)	

Bacteriological :

Coliform / 100 mls.	Nil
B. Coli / 100 mls.	Nil
Plate Count : 2 days 37°C	1
3 days 22°C	1
Clostridium Welchii in 40 mls.	Nil
Class (MoH Standard)	I

There is an efficient and abundant supply of bacteriologically and chemically pure water which is supplied by the Alton Reservoir. The Water Engineer and the staff of the Central Hygiene Water Board normally carry out the analysis of the water. Thirteen samples were taken during the year and the majority were satisfactory and when otherwise appropriate action was taken to have the abnormality rectified.

The St. Michael's Well is supplied with water from an adit led by an underground water pipe. Samples of the water were sent to the Public Health Laboratory for analysis at periodic intervals.

A recent sample of water was submitted for analysis and the following details are given below :-

ANALYSIS :

Location	Quantity
St. Michael's Well	9.20
Alton (Hazen Unit)	6
Electrical Conductivity	100
Turbidity	2
Free Carbon Dioxide	
Alkalinity as CaCO_3	18
Permanent Hardness (as CaCO_3)	16
Total Hardness (as CaCO_3)	34
Oxygen absorbed (4 hrs. @ 27°C)	
Nitrogen: Free and Saline ammonia	
Ammonia ammonia	
Nitrite (NO_2)	
Nitrate (NO_3)	
Phosphates (P_2O_5)	
Silicates (SiO_2)	
Sulphates (SO_4)	
Chlorides (Cl)	12
Metals: Calcium as CaCO_3	24
Magnesium as CaCO_3	10
Iron (Fe)	
Manganese (Mn)	

Bacteriological :

Coliforms / 100 ml.	Nil
S. Coli / 100 ml.	Nil
Plate Count: 2 days 37°C	1
3 days 22°C	1
Electrical Weight in 40 ml.	Nil
Glass (No. Standard)	1

MILK SUPPLY :

The responsibility for the routine sampling of milk rests with the County Council Health Department and close co-operation is maintained between the County Council and Mr. Field.

The Health Department carried out a considerable amount of work during the year in the taking of samples of milk for bacteriological analysis in connection with the search for brucella abortus organisms in unpasteurised milk.

Brucellosis in cows can cause undulant fever in human beings if unpasteurised milk is drunk. Mr. Field the Public Health Inspector took 55 samples of milk during the year, of which 2 were positive. It was necessary to issue a Pasteurisation Order on a producer/retailer of milk in Holywell. Individual milk samples were taken from each cow in the herd and after the removal and slaughter of beasts the Order was revoked.

I am pleased to say that at the time of writing this report no samples of milk have contained brucella organisms for some time.

DRAINAGE AND SEWERAGE :

There are no cesspools or pail closets in the district.

The sewage is being discharged in a crude state into a holding tank the contents of which are released into a stream which runs into the Dee Estuary, the release of sewage is dependant on tidal conditions. The conditions of the stream receiving this sewage are very unsatisfactory and the Council have considered a report from the Consulting Engineers who have prepared a scheme for a new sewage disposal works on land at Greenfield. At the time of writing this report the scheme is now being considered by the Ministry and it is hoped, in the interests of the town, that an early decision will be agreed to go ahead with the scheme, or to use the sewage works of a neighbouring authority.

SUPERANNUATION :

During the year two medical examinations were carried out on employees of the Urban District in connection with fitness for employment and absence through ill-health.

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The Health Department carried out a considerable amount of work during the year in the taking of samples of milk for bacteriological analysis in connection with the search for brucella abortus organisms in unpasteurized milk.

Brucella in cows can cause undulant fever in human beings if unpasteurized milk is drunk. Mr. Field the Public Health Inspector took 52 samples of milk during the year, of which 2 were positive. It was necessary to issue a Pasteurization Order on a producer/retailer of milk in Holwell. Individual milk samples were taken from each cow in the herd and after the removal and slaughter of beasts the Order was revoked.

I am pleased to say that at the time of writing this report no samples of milk have contained brucella organisms for some time.

SEWAGE AND SEWERS :

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HYGIENE :

During the year two medical examinations were carried out on employees of the Urban District in connection with fitness for employment and absence through ill-health.

PUBLIC HEALTH INSPECTOR'S REPORT

Visits made in connection with public health matters were as follows :-

Mr. Chairman, Ladies and Gentlemen,

Visits and re-visits to premises following

I have pleasure in presenting my fifth Annual Report, for 1967.

The year ended with the virtual completion of the slum clearance programme, and a sufficient available supply of council-owned accommodation. These factors now mean that no family in Holywell has to endure the squalid and unhealthy conditions associated with unfit houses.

The recent decision to improve the Plas-yn-Dre slaughter-house was amply justified by its usefulness during the foot and mouth epidemic. Meat was produced for a wide area by slaughtermen brought in from other districts where abattoirs had been closed.

There was a good example during the year, of the value of legislation which empowers the Council to act with a minimum of delay to remedy urgent matters affecting the public interest. In this case, a fence was erected around a particularly dangerous disused mine shaft, whilst enquiries were made which eventually established the ownership of the mine.

I would like to express my thanks to the Chairman and Members of the Council, and the Medical Officer of Health for their support and interest, and all members of the staff for their ready help and co-operation.

REFUSE COLLECTION AND DISPOSAL :

The year brought several important changes, commencing with the delivery of a new rear-loading vehicle fitted with a vacuum compressing device. After some initial difficulties, the vacuum refuse service has been maintained using the new vehicle instead of the two previously used vehicles, and saving

Yours faithfully,

More than one hundred new Council houses and flats were equipped with paper sack chutes, and this improved method is likely to be extended to new and existing properties.

H.L. FIELD.

Refuse disposal was considerably facilitated by the new crawler loader, and the closure of the old refuse tip and use of a disused quarry for tipping purposes.

Public Health Inspector.

HOUSING :

The slum clearance programme was virtually completed by the end of this year, in which a further two hundred and nine houses and demolition of closing orders placed upon them. Thirty seven houses were demolished and a total of one hundred and forty one families comprising two hundred and twenty persons, were re-housed.

Since 1955, four hundred and seventy seven unfit houses have been dealt with, and this total exceeds the original ten year programme of three hundred and ninety three dwellings.

Attention is now being given to the improvement of suitable houses, and several schemes are actively co-operating in this work.

PUBLIC HEALTH INSPECTOR'S REPORT

Mr. Chairman, Ladies and Gentlemen,

I have pleasure in presenting my fifth Annual Report for 1937.

The year ended with the virtual completion of the slum clearance programme, and a sufficient available supply of council-owned accommodation. These factors now mean that no family is homeless and the epidemic and unsanitary conditions associated with unfit houses.

The recent decision to improve the five-year leaseholder houses was amply justified by its necessity during the foot and mouth epidemic. Meat was produced for a wide area by slaughtermen brought in from other districts where abattoirs had been closed.

There was a good example during the year, of the value of legislation which empowers the Council to act with a minimum of delay to remedy urgent matters affecting the public interest. In this case, a fence was erected around a particularly dangerous disused mine shaft, whilst enquiries were made which eventually established the ownership of the mine.

I would like to express my thanks to the Chairman and Members of the Council, and the Medical Officer of Health for their support and interest, and all members of the staff for their ready help and co-operation.

Yours faithfully,

R. L. FIELD.

Public Health Inspector.

PARTICULARS OF NOTICES AND INSPECTIONS DURING THE YEAR :

Visits made in connection with public health matters were as follows :-

<u>Nature</u>	<u>Number</u>
Visits and re-visits to premises following complaints	189
No access	44
Inspections under the Housing Acts	315
Refuse Collection and Disposal	365
Inspections of slaughterhouses	47
Visits to slaughterhouses	322
Visits to food premises	39
Inspections of foodstuffs	24
Water supplies	29
Milk supplies	33
Caravans	9
Infectious diseases	11
Miscellaneous	36
Interviews	190

Service of Notices

<u>Informal</u>	<u>Formal</u>	<u>Reasons for Notices</u>	<u>Result</u>
24	8	Nuisances	Abated

Number of dwellinghouses in which repairs were carried out in consequence of formal and informal action - 19.

REFUSE COLLECTION AND DISPOSAL :

The year brought several important changes, commencing with the delivery of a new rear-loading vehicle fitted with a refuse compressing device. After some initial difficulties, the weekly collection service has been maintained using the one vehicle instead of the two previously-used vehicles, and saving the cost of one driver.

More than one hundred new Council houses and flats were equipped with paper sack units, and this improved method is likely to be extended to new and existing properties.

Refuse disposal was considerably facilitated by the new crawler loader, and the closure of the old refuse tip and use of a disused quarry for tipping purposes.

HOUSING :

The slum clearance programme was virtually completed by the end of this year, in which a further one hundred and nine houses had demolition or closing orders placed upon them. Thirty seven houses were demolished and a total of one hundred and forty one families comprising two hundred and twenty persons, were re-housed.

Since 1955, four hundred and seventy seven unfit houses have been dealt with, and this total exceeds the original ten year programme of three hundred and ninety three dwellings.

Attention is now being given to the improvement of suitable houses, and several owners are actively co-operating in this work.

STATISTICS OF NOTICES AND INSPECTIONS DURING THE YEAR:

Visits made in connection with public health matters were as follows:-

Number	Subject
189	Interviews
44	Miscellaneous
315	Infectious diseases
355	Garbage
47	Inspection of foodstuffs
322	Visits to food premises
38	Visits to slaughterhouses
24	Inspection of slaughterhouses
29	Refuse collection and disposal
33	Inspection under the Housing Acts
9	No access
11	Complaints
36	Visits and re-visits to premises following
190	

Service of Notices

Interview	Formal	Reasons for Notices	Result
24	8	Unsanitary	Abated

Number of dwellings in which repairs were carried out in connection of formal and informal action - 19.

REFUSE COLLECTION AND DISPOSAL:

The year brought several important changes, commencing with the delivery of a new rear-loading vehicle fitted with a refuse compressing device. After some initial difficulties, the weekly collection service has been maintained using the one vehicle instead of the two previously used vehicles, and saving the cost of one driver.

More than one hundred new Council houses and flats were equipped with paper sack units, and this improved method is likely to be extended to new and existing properties.

Refuse disposal was considerably facilitated by the new transfer loader, and the closure of the old refuse tip and use of a licensed quarry for tipping purposes.

HOUSING:

The slum clearance programme was virtually completed by the end of this year, in which a further one hundred and nine houses had demolition or closing orders placed upon them. Thirty seven houses were demolished and a total of one hundred and forty one families comprising two hundred and twenty persons, were re-housed.

Since 1952, four hundred and seventy seven unfit houses have been dealt with, and this total exceeds the original ten year programme of three hundred and ninety three dwellings.

Attention is now being given to the improvement of suitable houses, and several owners are actively co-operating in this work.

INSPECTION AND SUPERVISION OF FOOD :

Routine inspections of food premises were maintained and the following complaints were received from members of the public :-

<u>Condition</u>	<u>Action Taken</u>
Cloudiness in ginger beer due to action of yeast	- manufacturer advised.
Lemonade containing small quantity of disinfectant	- manufacturer advised - probably due to a previous customer having stored disinfectant in a returnable bottle with a screw cap. Although the screw cap had been soaked and washed before re-use, some disinfectant had remained in the rubber ring.
Boxed chocolate cake found to be mouldy	- vendor informed of vital importance of stock rotation - manufacturers notified of illegibility of their code marks.
Custard pie containing a beetle (ptinus tectus)	- bakehouse closed for several weeks whilst extensive alterations and improvements were effected.

CARCASES INSPECTED AND MEAT CONDEMNED :

	<u>Cattle</u> <u>Excluding Cows</u>	<u>Cows</u>	<u>Calves</u>	<u>Sheep</u>	<u>Pigs</u>
Number killed.	665	3	16	6739	563
Number Inspected.	665	3	16	6739	563
Number affected with tuberculosis.	-	-	-	-	-
Percentage of the number inspected, affected with tuberculosis.	-	-	-	-	-
Number affected with other diseases	29	3	-	160	18
Percentage of the number inspected, affected with other diseases.	4.36	100	-	2.04	3.20
Whole carcasses condemned.	-	2 lambs fever, whole beast fever, 3 beasts frozen for c. bovis.			

SLAUGHTERHOUSES :

In a year in which there were so many outbreaks of foot and mouth disease, the District was fortunate in having no confirmed cases. The operation of the slaughterhouses was affected with the closure of one which is situated close to a farm.

The recently improved slaughterhouse was very busy at the end of the year, due to the closure of nearby abattoirs and the diverting of animals for slaughter to Holywell.

However, the carcasses continued to be of a very high standard and with very little evidence of disease.

INSPECTION AND SUPERVISION OF FOOD :

Following inspections of food premises were maintained and the following complaints were received from members of the public :-

Condition	Action Taken
Cloudiness in ginger beer due to action of yeast	- Manufacturer advised.
Lemonade containing small quantity of disinfectant	- Manufacturer advised - probably due to a previous customer having stored disinfectant in a returnable bottle with a screw cap. Although the screw cap had been worked and washed before re-use, some disinfectant had remained in the rubber ring.
Boxed chocolate cake found to be mouldy	- Vendor informed of vital importance of stock rotation - manufacturer notified of likelihood of stock code number.
Crushed pie containing a beetle (Ptilin testis)	- Behaviour closed for several weeks whilst extensive alterations and improvements were effected.

CARCASSES INSPECTED AND MEAT OBTAINED :

Excluding Cows	Cattle	Goats	Calves	Sheep	Pigs
Number killed.	662	3	16	673	263
Number inspected.	662	3	16	673	263
Number affected with tuberculosis.	-	-	-	-	-
Percentage of the number inspected affected with tuberculosis.	-	-	-	-	-
Number affected with other diseases	29	3	-	160	18
Percentage of the number inspected affected with other diseases.	4.38	100	-	2.04	3.20
Whole carcasses condemned.	-	-	-	-	-
2 limbs (liver, whole heart (liver), 3 parts frozen for use of poultry.	-	-	-	-	-

SLAUGHTERHOUSES :

In a year in which there were so many outbreaks of foot and mouth disease, the District was fortunate in having no confirmed cases. The operation of the slaughterhouses was affected with the closure of one which is situated close to a farm.

The recently improved slaughterhouse was very busy at the end of the year, due to the closure of nearby abattoirs and the diverting of animals for slaughter to Holywell.

However, the carcasses continued to be of a very high standard and with very little evidence of disease.

CONDEMNED FOOD - 1967 :

Various unsound tinned foods were inspected and disposed of after voluntary surrender.

OFFICES, SHOPS AND RAILWAY PREMISES ACT, 1963 :

Inspections of these premises continued, and there were no reported accidents :-

Number of premises registered :- Number of persons employed :-

Offices,	14	72		
Retail Shops	86	362		
Wholesale Shops and Ware-Houses	4	33		
Catering Establishments	6	21		
Fuel Storage Depots	1	1		
	111	489	- Males	154
			Females	335

STORAGE OF PETROLEUM SPIRIT :

Licences were issued in respect of thirteen premises where petroleum spirit is stored. Excellent co-operation is received from the Officers of the County Fire Service, in inspections, and testing of equipment.

Factories (1) - Inspections for purposes of provisions as to health, 1967 :

Premises	M/C Line	No. on Register	Number of Inspections	Written Notices	Occupier Prosecuted
	(2)	(3)	(4)	(5)	(6)
(i) Factories in which sections 1,2,3,4 and 6 are to be enforced by Local Authorities.	1	5	2	-	-
(ii) Factories not included in (1) in which section 7 is enforced by the Local Authority.	2	32	22	-	-
(iii) Other premises in which section 7 is enforced by the Local Authority (excluding outworkers premises)	3	-	-	-	-
Total :-		37	24	-	-

Various unusual items were inspected and disposed of after voluntary surrender.

OFFICERS, SHOP AND BATHING PREMISES ACT, 1967

Inspections of these premises continued, and there were no reported accidents :-

Number of premises inspected :- Number of persons employed :-

Offices,	14	75
Retail Shops	88	362
Wholesale Shops and Ware-	4	22
houses		
Catering Establishments	6	21
Fuel Storage Depots	1	1
	111	489
		124
		332

STORAGE OF FLAMMABLE LIQUIDS

Licenses were issued in respect of thirteen premises where petroleum spirit is stored. Excellent co-operation is received from the Officers of the County Fire Service, in inspections, and testing of equipment.

Factories (1) - Inspections for purposes of provisions as to health, 1967

Premises	M/C No. or	Number of	Written	Occasional
	Inspector	Inspections	Notices	Promissory
(1)	(2)	(3)	(4)	(5)
(i) Factories in which sections 1, 2, 3, 4 and 5 are to be enforced by local authorities.	1	2	-	-
(ii) Factories not included in (i) in which section 7 is enforced by the local authority.	2	22	-	-
(iii) Other premises in which section 7 is enforced by the local authority (excluding outworks premises)	2	-	-	-
Total	5	24	-	-

(2) Cases in which defects were found :-

<u>M/C</u> <u>Line</u> <u>No.2</u>	<u>Number of cases in which</u> <u>Defects were found</u>	<u>Number of cases in</u> <u>which prosecutions</u> <u>were instituted</u>		
<u>Found</u>	<u>Reme-</u> <u>died</u>	<u>To H</u> <u>M.I.</u>	<u>By H</u> <u>M.I.</u>	
<u>Want of Cleanliness S.I. 4</u>	-	-	-	-
<u>Overcrowding S.2.</u>	5	-	-	-
<u>Unreasonable Temperature S.3.</u>	6	-	-	-
<u>Inadequate Ventilation S.4.</u>	7	-	-	-
<u>Ineffective drainage of floor S.6.</u>	8	-	-	-
<u>Sanitary Conveniences</u>				
<u>S.7.</u>				
(a) insufficient	9	-	-	-
(b) unsuitable or defective	10	-	-	-
(c) not separate for sexes	11	-	-	-
<u>Other offences against the Act (not including offences relating to outwork).</u>	12	-	-	-
TOTAL :-	-	-	-	-

Factories Act, 1961, Part VIII, Section 133 :

OUTWORKERS.: There were no notifications of outworkers in the Holywell Urban Area.



