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WREXHAM RURAL DISTRICT COUNCIL

ANNUAL  
REPORT

OF THE

MEDICAL OFFICER OF HEALTH

AND THE

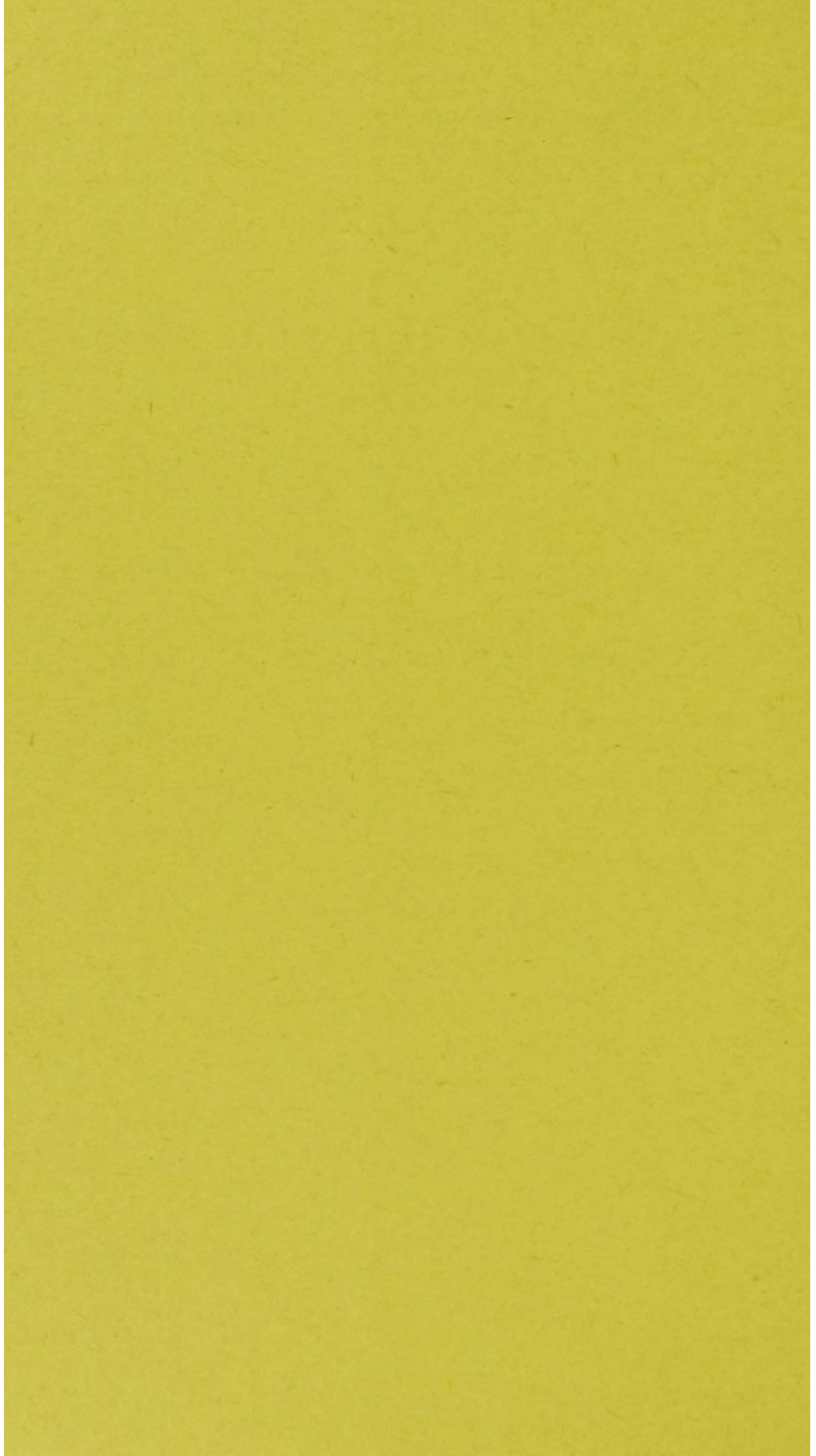
CHIEF PUBLIC HEALTH INSPECTOR

FOR THE YEAR

1970

J. GARETH M. WILLIAMS, M.B., Ch.B., D.P.H.

C. DAVIES, M.A.P.H.I.



**CYNGOR DOSBARTH GWLEDIG WRECSAM**

**ADRODDIAD  
BLYNYDDOL**

**Y**

**SWYDDOG MEDDYGOL**

**A'R**

**PRIF AROLYGWR IECHYD**

**AM Y FLWYDDYN 1970.**

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**J. GARETH M. WILLIAMS, M.B., Ch.B., D.P.H.**

**C. DAVIES, M.A.P.H.I.**



STAFF OF PUBLIC HEALTH DEPARTMENT

MEDICAL OFFICER OF HEALTH

J. GARETH M. WILLIAMS, M.B., Ch.B., D.P.H.

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CHIEF PUBLIC HEALTH INSPECTOR

C. DAVIES, M.A.P.H.I.

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DEPUTY CHIEF PUBLIC HEALTH INSPECTOR

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

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Miss O. M. DAVIES

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JUNIOR SHORTHAND TYPIST/CLERKS

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Miss SUSAN CHARLES

\*Mrs. ANN GRIFFITHS

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TREVOR L. WILLIAMS, O.B.E., LL.M.

CHAIRMAN OF PUBLIC AMENITIES COMMITTEE

COUNCILLOR IVOR JONES

THE PUBLIC AMENITIES COMMITTEE CONSISTS OF ALL MEMBERS OF THE COUNCIL

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\*Part of Year.

**ANNUAL REPORT**  
**OF THE MEDICAL OFFICER OF HEALTH**  
**FOR THE YEAR 1970**

*To the Chairman and Members of the Public Amenities Committee*

MR. CHAIRMAN, LADIES AND GENTLEMEN,

I have the honour to present my Annual Report for the year 1970.

In December, 1969, the Council appointed Mr. Caleb Davies to the post of Chief Public Health Inspector and I have been fortunate to have him as senior colleague in the Department.

My sincere thanks are also due to Mr. Hywel Jones who succeeded Mr. Davies as Deputy Chief Public Health Inspector, the District Public Health Inspectors, Miss Olwen Davies and the office staff, whose standards of efficiency and loyalty have continued at such a high level throughout this year.

I am also most grateful to the Chairman and Members of the Public Amenities Committee for their support and co-operation on all occasions.

Yours sincerely,

J. GARETH M. WILLIAMS,

*Medical Officer of Health.*



*I Gadeirydd ac Aelodau Pwyllgor Hynawsedd y Cyhoedd*

MR. CADEIRYDD, FONEDDIGESAU A BONEDDIGION,

Mae'n anrhydedd gennyf gyflwyno fy Adroddiad Blynyddol am y flwyddyn 1970.

Yn Rhagfyr, 1969, apwyntiwyd Mr. Caleb Davies i'r swydd o Brif Arolygwr Iechyd ac 'rwyf wedi bod yn ffodus dros ben i'w gael fel prif gyd-swyddog yn yr adran.

Mae fy niolch diffuant hefyd yn ddyledus i Mr. Hywel Jones, olynnydd Mr. Davies fel Dirprwy Brif Arolygwr Iechyd, yr Arolygwyr Iechyd Dosbarthol, Miss Olwen Davies a staff y swyddfa. Mae eu safonau o effeithiolrwydd a ffyddlondeb wedi parhau ar raddfa uchel iawn drwy gydol y flwyddyn.

'Rwyf hefyd yn hynod ddiolchgar i Gadeirydd ac Aelodau Pwyllgor Hynawsedd y Cyhoedd am eu cymorth a'u cyd-weithrediad ar bob achlysur.

Yr eiddoch yn gywir,

J. GARETH M. WILLIAMS,

*Swyddog Meddygol.*

## 1. GENERAL STATISTICS.

Area (in acres) .....	72,370
Population, R.G.'s Estimate, Mid-Annual 1970, .....	62,260
Population, Density per acre .....	0.86
Number of Inhabited Houses .....	22,437
Number of Inhabited Council Houses .....	9,241
Sum represented by rd. Rate, 1969—1970 .....	£7,318

## POPULATION

The estimated population for 1970 as given by the Registrar General was 62,260. This shows an increase of 100 over the 1969 figure and is the first year to show such an increase after six years with successively decreasing totals.

## 2. VITAL STATISTICS.

Comparability Factor. 1.05 (Births). 1.08 (Deaths).

<b>BIRTHS.</b>				<i>M.</i>	<i>F.</i>	<i>Total.</i>
Legitimate .....	.....	.....	533	531	1064	
Illegitimate .....	.....	.....	28	42	70	
<b>Totals .....</b>			<u>561</u>	<u>573</u>	<u>1,134</u>	

Birth Rate per 1000 population. Crude 18.2  
Adjusted 19.1  
England and Wales 16.0

Illegitimate Live Births per cent of Total Live Births 6.

The total of 1134 live births shows an increase of 16 on the previous year's total. Of the total, 943 took place in hospital, giving a proportion of approximately 83%. In 1969 the percentage was 80. This is in line with the general trend, both in Britain and other progressive countries, where there has been an increase in proportion of hospital confinements, particularly in the last two decades.

The 1970 Table is made up as follows :—

**TABLE 1.**

Hospitals	Total
Chirk	2
Llangollen	66
Wrexham	875



The following Table sub-divides the number of legitimate births according to parishes.

**TABLE 2.**

**BIRTHS.**

<i>Parish</i>	<i>Male</i>	<i>Female</i>	<i>Total</i>
Abenbury .....	2	2	4
Allington .....	4	8	12
Bersham .....	29	33	62
Bieston .....	1	.....	1
Broughton .....	40	44	84
Brymbo .....	30	14	44
Burton .....	2	2	4
Cefn .....	99	91	190
Erbistock .....	4	1	5
Erddig .....	.....	.....	.....
Esclusham Above .....	4	2	6
Esclusham Below .....	11	19	30
Gresford .....	20	23	43
Gwersyllt .....	57	67	124
Holt .....	6	8	14
Isycoed .....	1	2	3
Llangollen Rural .....	14	13	27
Llantysilio .....	2	1	3
Llay .....	57	40	97
Marchwiell .....	8	15	23
Minera .....	9	11	20
Penycae .....	27	24	51
Rhos .....	59	78	137
Ruabon .....	47	33	80
Sesswick .....	.....	.....	.....
<b>Totals</b> .....	<b>533</b>	<b>531</b>	<b>1064</b>

In addition to the above, a total of 70 illegitimate births must be added (a proportion of 6.17%) giving a corrected total of 1134.

**BIRTH RATE**

The crude birth rate per 1000 population in the Wrexham Rural District was 18.2 as compared with 18.0 for 1969. The adjusted figure (using the comparability factor) comes to 19.1. In England and Wales generally the rate is 16.0. This is the sixth successive year that a decrease in the birth rate has taken place in England and Wales generally. In our own district it will be seen that this trend is reversed.

<b>STILL BIRTHS.</b>				<i>M.</i>	<i>F.</i>	<i>Total.</i>
Legitimate	.....	.....	.....	7	7	14
Illegitimate	.....	.....	.....	1	1	2
<b>Totals</b>				<u>8</u>	<u>8</u>	<u>16</u>

Still Birth Rate per 1000 Live and Still Births	.....	14
England and Wales Still Birth Rate per 1000 Live and Still Births	.....	13

The total of 16 still births is exactly the same as the 1969 figure.

### **STILL BIRTH RATE**

The still birth rate (per 1000 total live and still births) for the Wrexham Rural District is, as in the previous year, 14. The England and Wales figure of 13 is also exactly the same as the 1969 figure, which, as I have stated before, is the lowest figure ever recorded.

<b>DEATHS.</b>	<i>M.</i>	<i>F.</i>	<i>Total.</i>
	455	359	814
Death Rate per 1000 population. Crude		13.1	
Adjusted		14.1	
England and Wales		11.7	

The total of 814 deaths shows an increase of 23 on the previous year's total. The total in 1968 was 769.



**TABLE 3. DEATHS.**

<i>Parish</i>	<i>Male</i>	<i>Female</i>	<i>Total</i>
Abenbury .....	1	2	3
Allington .....	13	9	22
Bersham .....	30	19	49
Bieston .....	.....	.....	.....
Broughton .....	46	29	75
Brymbo .....	31	21	52
Burton .....	3	1	4
Cefn .....	41	37	78
Erbistock .....	5	6	11
Erddig .....	.....	.....	.....
Esclusham Above .....	6	4	10
Esclusham Below .....	17	20	37
Gresford .....	23	18	41
Gwersyllt .....	37	33	70
Holt .....	4	6	10
Isycoed .....	4	2	6
Llangollen Rural .....	24	12	36
Llantysilio .....	.....	3	3
Llay .....	23	13	36
Marchwiell .....	10	5	15
Minera .....	7	12	19
Penycae .....	20	19	39
Rhos .....	61	55	116
Ruabon .....	42	20	62
Sesswick .....	3	1	4
Totals .....	451	347	798

In addition to the above, 16 infant deaths must be added, giving a corrected total of 814.

### CAUSES OF DEATH

The following tables give more detailed information as to cause of death in the various age groups.

Following the pattern already well established in Great Britain in recent years, it will be seen that diseases of the heart and circulatory system account for by far the largest proportion of deaths. In the Wrexham Rural District in 1970, they accounted for nearly 50% of the total deaths, a similar proportion to 1969.

Once again, also, the largest single category within this total is due to ischaemic heart disease which accounted for 186 deaths, a substantial increase on the 1969 total of 162. It will be seen also in the table that this condition predominantly affects males but there is a far higher proportion of female deaths from ischaemic heart disease this year as compared to 1969, which accounts for practically the whole increase.

Cerebro-vascular disease accounted for a total of 131 deaths which shows a slight increase over the previous year. In contrast

to ischaemic heart disease, however, it will be seen that female deaths predominate in this category and of course the general age group at death is relatively higher.

The second most prevalent cause of death in 1970 was diseases of the respiratory system which totalled 164 in all. This shows an increase of 17 over 1969 when respiratory diseases were the third highest cause of death, being exceeded by deaths attributable to cancer. This is the first time for many years that diseases of the respiratory system have held second place in the list of categories and this year's total is considerably in excess of the average of 124 for 1966-1968.

The third most prevalent cause of death was cancer, which accounted for a total of 158 deaths. Cancer of the lung and bronchus was the largest single category and it will be seen that this affected predominantly the male sex. Cancer of the stomach also shows a similar male predominance. This is the second highest category in England and Wales generally.

Included in the Table are three deaths from Tuberculosis of the respiratory system, the same figure as was recorded in 1969.



TABLE 4.

DEATHS FROM MALIGNANT DISEASES

	Sex	Total all ages	Age in years										75 and over									
			Under 4 weeks	4 weeks and under 1 year	1	5	15	25	35	45	55	65										
Malignant Neoplasm, Buccal Cavity	Male	1												1						1		
	Female	2																		1		1
Malignant Neoplasm, Oesophagus	Male	4																		1		1
	Female	2																		1		1
Malignant Neoplasm, Stomach	Male	24												1	10						8	5
	Female	9																			4	5
Malignant Neoplasm, Intestine	Male	11																			4	5
	Female	8																			4	5
Malignant Neoplasm, Larynx	Male	1																			3	2
	Female																					
Malignant Neoplasm, Lung and Bronchus	Male	32																			4	4
	Female	5																			3	2
Malignant Neoplasm, Breast	Male																				2	1
	Female	9																			1	4
Malignant Neoplasm, Uterus	Female	12																			3	2
Malignant Neoplasm, Prostate	Male	3																			4	2
	Male	2																			1	2
Leukaemia	Female																					
Other Malignant Neoplasms	Male	16																			3	2
	Female	17																			2	5

TABLE 5.  
CAUSES OF DEATH.

CAUSE OF DEATH	Sex	Total all Ages	AGE IN YEARS																	
			Under 4 weeks	4 weeks and under 1 year	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75 and over							
B4 Enteritis and other Diarrhoeal Diseases	M	1			1															
B5 Tuberculosis of Respiratory System	F	2																		1
B6 (1) Late effects of Respiratory T.B.	M	1																		1
B14 Measles	F	1			1															
B18 Other Infective and Parasitic Diseases	M	1																		1
B19 (1) Malignant Neoplasm, Buccal Cavity, etc.	F	1																		1
B19 (2) Malignant Neoplasm, Oesophagus	M	4																		1
B19 (3) Malignant Neoplasm—Stomach	F	2																		1
B19 (4) Malignant Neoplasm, Intestine	M	24																		1
B19 (5) Malignant Neoplasm, Larynx	F	9																		1
B19 (6) Malignant Neoplasm—Lung, Bronchus	M	11																		1
B19 (7) Malignant Neoplasm—Breast	F	8																		1
B19 (8) Malignant Neoplasm—Uterus	M	1																		1
B19 (9) Malignant Neoplasm, Prostate	F	32																		4
	F	5																		2
	M	9																		1
	F	9																		4
	F	12																		2
	M	3																		1









AGE IN YEARS

CAUSE OF DEATH	Sex	Total all Ages	Under 4 weeks	4 weeks and under 1 year	AGE IN YEARS												
					1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75 and over				
B44 Other causes of Perinatal Mortality .....	M	1	1														
B45 Symptoms and Ill-defined Conditions .....	F	2	2														
BE47 Motor Vehicle accidents	M	4															
BE48 All other accidents .....	F	2															
BE49 Suicide and self-inflicted Injuries .....	M	6															
BE50 All other external causes	F	2															
TOTAL ALL CAUSES .....	M	455	4	2													
	F	359	10														

## DEATH RATE

The crude death rate per 1000 population was 13.1. Using the comparability factor, this gives us an adjusted rate of 14.1, which is higher than the England and Wales figure of 11.7.

<b>INFANTILE MORTALITY.</b>				<i>M.</i>	<i>F.</i>	<i>Total.</i>
Legitimate	.....	.....	.....	3	9	12
Illegitimate	.....	.....	.....	1	3	4
				—	—	—
		<b>Totals</b>	.....	4	12	16
				—	—	—

## INFANTILE MORTALITY RATES.

Total Infant Deaths per 1000 total Live Births	.....	.....	.....	.....	14.0
England and Wales	.....	.....	.....	.....	18.0
Legitimate Infant Deaths per 1000 legitimate live births					11.0
Illegitimate Infant Deaths per 1000 illegitimate live births					57.0
Neo-Natal Mortality Rate (deaths under 1 month) per 1000 total Live Births	.....	.....	.....	.....	12.0
England and Wales	.....	.....	.....	.....	12.0
Early Neo-Natal Mortality Rate (deaths under 1 week) per 1000 total Live Births	.....	.....	.....	.....	10.0
England and Wales	.....	.....	.....	.....	11.0
Perinatal Mortality Rate (still births and deaths under 1 week combined) per 1000 total live and still births	.....	.....	.....	.....	23.0
England and Wales	.....	.....	.....	.....	23.0

The total number of deaths recorded under the age of one year was 16, of which 4 were males and 12 were females. This shows a decrease as compared with the 1969 total of 19. Of the grand total, 14 occurred in the first month of life, giving a Neonatal Mortality Rate of 12.0 deaths per 1000 total live births, which is exactly the same as the England and Wales figure.

When we further sub-divide the infant deaths, we see that 11 occurred in the first week of life. This gives us an early Neonatal Mortality Rate of 10.0 (England and Wales figure—11.0). Finally, the Perinatal Mortality Rate (Still births plus deaths under one week combined, per 1000 total live and still births) for the Wrexham Rural District is 23.0, which is again identical to the England and Wales figure.

As far as England and Wales generally are concerned, both the Neonatal Mortality Rate and Perinatal Mortality Rate are exactly the same as those for 1969, which were the lowest ever recorded. It will be seen from our own figures that the Wrexham Rural District compares very favourably indeed with the rest of England and Wales, being in fact, identical.



## MATERNAL MORTALITY

For the thirteenth successive year, it is pleasing to note that there are no Maternal Deaths.

## INFECTIOUS DISEASES

The total number of infectious diseases notified during the year was 160, as compared to 186 in 1969 and 254 in 1968. Of this year's total, 125 were due to Measles. With the interruption in the programme of vaccination for Measles, which affected Tables for 1969 and continued into 1970, it is again impossible to gauge the effect of this new measure. It is perhaps also worth recording here, referring back to the deaths column, that the death of a young child in 1970 was due to Measles.

It will be seen that the second highest category was Food Poisoning. There was no one large outbreak in the area. All the notifications that can be seen in the table were due to isolated, sporadic instances throughout the district, most of them occurring as is usual, during the summer months.

A total number of six cases of Tuberculosis were notified, five of these being due to the pulmonary variety. This compares to a total of 11 notifications in 1969, 15 in 1968 and 14 in 1967. This year's total of six is by far the lowest figure ever recorded in the Wrexham Rural District and is in fact the first in single figures. It is worth recording here that as recently as 1962 there was a total of 58 notifications.

Given in the Tables below is the distribution of the infectious diseases according to parishes and ages.

TABLE 6.  
INCIDENCE OF NOTIFIABLE DISEASES ACCORDING TO PARISHES.

Parish	Measles	Dysentery	Scarlet Fever	Infective Jaundice	Pulmonary T.B.	Non-Pulmonary T.B.	Meningococcal Meningitis	Food Poisoning	Totals	Removed to Hospital or Sanatoria			
										T.B. Pul'ary	Men'tal	Food P'sning	Totals
Abenbury	1							2	10				
Allington	19	2	5	1	1			1	22	1			1
Bersham													
Bieston								4	17				
Broughton	12					1							
Brymbo													
Burton	1							2	1				1
Cefn	5								8				1
Erbistock													
Erd dig													
Esclusham Above	4							1	5				1
Esclusham Below	8								8				1
Gresford	4			3				1	9				1
Gwersyllt	12		1		1				14	1			1
Holt			1					1	2				
Isycoed													
Llangollen Rural	2								2				
Llantysilio	1								1				
Llay			1						1				
Marchwiel	2								2				
Minera	2								2				
Penycae	11			1	1			1	14			1	1
Rhos	37				1				38	1			1
Ruabon	4								4				
Sesswick													
Totals	125	2	8	5	5	1	1	13	160	3	1	3	7



**TABLE 7.**  
**INCIDENCE OF NOTIFIABLE DISEASES ACCORDING TO AGES.**

Diseases	Under	1—	2—	3—	4—	5—9	10—14	15—24	25—	Age	Total
	1 year									Un- known	
Measles .....	8	15	11	14	23	41	3	6	2	2	125
Dysentery .....	.....	.....	.....	.....	.....	.....	1	1	.....	.....	2
Scarlet Fever .....	.....	.....	2	1	.....	5	.....	.....	.....	.....	8
Infective Jaundice .....	.....	.....	.....	.....	.....	2	1	1	1	.....	5
T.B. Respiratory .....	.....	.....	.....	.....	.....	.....	1	.....	4	.....	5
T.B. Other Forms .....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	1
Meningococcal Meningitis .....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	1
Food Poisoning .....	.....	.....	.....	.....	1	1	2	5	4	.....	13
<b>Total</b> .....	8	15	13	15	24	49	8	13	13	2	160

INCIDENCE OF NOTIFIABLE DISEASES ACCORDING TO AGES  
TABLE 7

## MASS RADIOGRAPHY

Despite the threatened closure of the service following the run-down which commenced in 1968, some surveys were carried out in our District during the year, details of which are given in the Table below.

**TABLE 8.**  
**WELSH REGIONAL HOSPITAL BOARD**  
**MASS RADIOGRAPHY SERVICE**

Details of Mass Radiography Surveys carried out during 1970.

<i>Place</i>	<i>Total number examined</i>
Monsanto Chemicals Ltd., Ruabon:	
Staff .....	704
Miscellaneous Contractors .....	40
Lindisfarne College, Ruabon :	
Scholars .....	172
Student .....	1
Teaching Staff .....	10
Other Staff .....	24
General Population .....	4
M.A.N.W.E.B. Area Office, Rhostyllen .....	281
M.A.N.W.E.B. Legacy Depot, Nr. Wrexham .....	109
British Steel Corporation, Brymbo :	
Employees .....	420
Miscellaneous Contractor .....	3

## IMMUNISATION AND VACCINATION

The following Tables show the number of persons immunised during 1970.

### Triple Antigen

This consists of Diphtheria, Whooping Cough and Tetanus immunisation and is administered as a routine at all Infant Welfare Clinics, in three separate doses. These are usually given at the ages of 6 months, 8 months, and 12 months, respectively.



**TABLE 9.**

Number of persons immunised during 1970.

					<i>Totals</i>
Primary Doses	.....	.....	.....	.....	799
Booster Doses	.....	.....	.....	.....	204

The booster doses are those given to infants who had their primary course under the old system, i.e. before mid-1968, when three primary doses were given at monthly intervals between the ages of three and six months. Under the new system, the booster dose of Triple Antigen is not necessary.

**Diphtheria and Tetanus**

This is administered routinely as a booster to all children on attaining school age, but some primary doses are given to young infants who react adversely to the Whooping Cough element in the Triple Antigen.

**TABLE 10.**

Number of persons immunised during 1970.

					<i>Totals</i>
Primary Doses	.....	.....	.....	.....	33
Booster Doses	.....	.....	.....	.....	721

**Diphtheria Only**

This form of immunisation is administered as a further booster to children in the senior classes of primary schools.

**TABLE 11.**

Number of persons immunised during 1970.

					<i>Totals</i>
Primary Doses	.....	.....	.....	.....	200
Booster Doses	.....	.....	.....	.....	201

**Tetanus**

Primary doses are given to children who have, for one reason or another, only been protected against Diphtheria and Whooping Cough in early childhood, and booster doses to those who have received an incomplete course of Tetanus previously, either by itself or in combined form with Diphtheria and Whooping Cough.

**TABLE 12.**

Number of persons immunised during 1970.

					<i>Totals</i>
Primary Doses	.....	.....	.....	.....	47
Booster Doses	.....	.....	.....	.....	2



## **Poliomyelitis**

Poliomyelitis is administered routinely at Infant Welfare Clinics together with Triple Antigen, i.e. in three separate doses at the age of approximately, 6, 8 and 12 months respectively.

The Poliomyelitis vaccine is administered by mouth. Booster doses are routinely administered upon attaining school age in combination with their Diphtheria and Tetanus booster and are also routinely administered to school leavers between the ages of 15 to 19 years.

**TABLE 13.**

Number of persons immunised during 1970.

					<i>Totals</i>
Primary Doses	.....	.....	.....	.....	851
Booster Doses	.....	.....	.....	.....	1056

## **Measles**

Measles vaccination was started throughout Great Britain in 1968, following the great success achieved in the U.S.A. from where the disease has practically been obliterated. In 1969, however, some children in the South of England reacted adversely to the administration of the vaccine and as a consequence the vaccine was withdrawn from circulation for re-testing. This situation continued into 1970, so the figures given are therefore not really representative of what could have been achieved had the situation been normal.

Measles vaccination is routinely administered in a single dose to all infants after they have attained the age of one year.

**TABLE 14.**

Number of persons immunised during 1970.

					<i>Total</i>
Primary Doses	.....	.....	.....	.....	570

## **Rubella**

This is the first time that figures for vaccination against Rubella (German Measles) have appeared in these reports. Rubella vaccination is offered to all secondary schoolgirls between the ages of 11 and 13 years, inclusive, in our schools. It is already widely known that German Measles, though not in itself a serious disease, can cause severe malformations in the unborn child if the expectant mother becomes infected in the first three months of her pregnancy. This is the reason why this form of vaccination is now offered to schoolgirls in the age groups mentioned above. Vaccination is unwise in older girls and women as they may be pregnant at the time unknown to themselves and it is still un-



certain whether vaccination could affect the unborn baby as does the disease itself. Vaccination was commenced in our area at the beginning of the autumn term, 1970, and figures are thus for the final three months of the year.

**TABLE 15.**

Number of persons immunised during 1970.

Primary Doses	.....	.....	.....	.....	<i>Total</i>
					149

**Smallpox**

The following Table gives the number of persons vaccinated in 1970. Smallpox vaccine is routinely administered to all infants attending the Infant Welfare Clinics after they have attained the age of 1 year and this is usually one month after they have received the Measles vaccination. The older age groups are mainly young persons and adults who need either primary or revaccination to go on holiday abroad, particularly to countries where a valid international certificate of vaccination is a statutory requirement.

**TABLE 16**

**SMALLPOX**

Number of persons immunised during 1970.

<i>Age yrs.</i>	1970	
	<i>Primary vaccination</i>	<i>Re-vaccination</i>
0—1	1	—
1+	270	—
2—4	101	—
5—15	16	36
16+	86	243

**NATIONAL ASSISTANCE ACT, 1948**

Under Section 47 of the above Act, the Medical Officer has the power to remove certain persons from their homes into a Hospital or Home, if he is satisfied that such persons are aged, infirm or living in insanitary conditions and are not receiving proper care and attention.

During the year one case occurred which warranted compulsory removal.

## DOMESTIC HELP SERVICE

The following Table shows the number of cases visited during the year and these are sub-divided into the type involved. It will be seen that the majority, as in most years, are in the elderly age group.

**TABLE 17.**

### DOMESTIC HELP SERVICE

(1969 figures are in brackets)

Aged 65 or over on first visit in 1970	.....	431	(400)
<b>Aged under 65 on first visit in 1970:</b>			
(1) Chronic Sick and Tuberculosis	.....	53	(46)
(2) Mentally Disordered	.....	3	(6)
(3) Maternity	.....	13	(8)
(4) Others	.....	21	(21)
		<hr/>	
Totals	.....	521	(481)
		<hr/>	

## MEALS ON WHEELS

No fundamental changes have taken place in the Meals on Wheels Service since the last report.



# HOSPITAL ACCOMMODATION.

## TABLE 18.

### 1. GENERAL.

(a) Wrexham and East Denbighshire War Memorial Hospital :			
General Medicine	.....	.....	109 Beds.
Trematic and Orthopaedic	.....	.....	77 Beds.
Unclassified	.....	.....	6 Beds.
Pay Beds	.....	.....	6 Beds.
			198 Beds.
			198 Beds.
(b) Maelor General Hospital :			
Surgery Department	.....	.....	170 Beds.
Gynaecology Department	.....	.....	48 Beds.
Children's Department	.....	.....	50 Beds.
Maternity Department	.....	.....	55 Beds.
Special Care Baby Department	.....	.....	24 Beds.
Dermatology Department	.....	.....	6 Beds.
Ophthalmology Department	.....	.....	24 Beds.
Dental Department	.....	.....	4 Beds.
Chest Department	.....	.....	20 Beds.
Infectious Diseases Department	.....	.....	30 Beds.
Geriatric Department	.....	.....	72 Beds.
Ear, Nose and Throat Department	.....	.....	23 Beds.
Private Pay Beds	.....	.....	5 Beds.
			531 Beds.
			531 Beds.

	<i>Gen. Beds.</i>	<i>Mat. Beds.</i>
<b>2. COTTAGE HOSPITAL, LLAN-</b> <b>GOLLEN</b> .....	11	9
<b>3. COTTAGE HOSPITAL, CHIRK</b> .....	26	8
<b>4. ORTHOPAEDIC.</b>		
Robert Jones and Agnes Hunt Orthopaedic Hospital, Gobowen .....		507 Beds.
<b>5. TREVALYN HALL</b> .....		51 Beds. Chronic Sick.

## CLINICS

### Maternity and Child Welfare

Listed below are the Clinics serving the various areas throughout the Wrexham Rural District, and in the Table is given the statistical information for these clinics.

**TABLE 19.**

#### MATERNITY AND CHILD WELFARE.

<i>Clinic</i>	<i>Number of Sessions held</i>	<i>Total Attendances</i>	<i>Average Attendance per Session</i>
Brynteg .....	49	1651	33
Brymbo .....	27	485	17
Cefn .....	47	2189	46
Coedpoeth .....	49	2029	41
Gresford .....	26	852	32
Gwersyllt .....	50	1889	37
Holt .....	26	347	13
Johnstown .....	24	588	24
Llay .....	50	2482	49
Rhos .....	51	2082	40
Rhostyllen .....	23	516	22
Rossett .....	51	919	18
Ruabon .....	49	1736	35
Trevor .....	12	142	11
Froncysyllte .....	12	148	12

## NURSING SERVICES.

**TABLE 20.**

### 1. GENERAL AND MIDWIFERY.

District Nurse/Midwives and District Nurses for the home visiting of the sick and for maternity cases are provided in the following areas :—

Brynteg	1	Holt	1
Brymbo	2	Gwersyllt	2
Broughton	1	Llay	2
Coedpoeth	1	Rhos	2
Cefn	2	Rhostyllen	1
Gresford	1	Ruabon	1
Garth	1	Penycae	1

Six full-time nurses are employed for relief purposes on the above areas.

### 2. HEALTH VISITORS.

Thirteen Health Visitors, who are also School Nurses, are employed in the Wrexham Rural District on Maternity and Child Welfare and School Medical work.



## AMBULANCE SERVICE

It will be recalled that in 1968, the new Ambulance Headquarters at Ruthin Road, Wrexham, became fully operational with a 24-hour control system. By the end of 1969, the total number of full-time staff working under the direction of the County Ambulance Officer was 40. During 1970, the staff was augmented and by the end of the year the total number of full-time staff was 55. This, of course, includes drivers, shift leaders, radio control staff, vehicle maintenance staff and clerical staff.

## CHIROPODY SERVICE

The following Table summarises the service provided in the Wrexham Rural District during 1970.

**TABLE 21.**  
**CHIROPODY SERVICE 1970**

<i>Clinic</i>	<i>Address</i>	<i>No. on Register</i>	<i>No. of Sessions</i>	<i>No. of New Cases</i>	<i>Total Attendances</i>	<i>No. of Patients Discharged from Treatment</i>
Brymbo	County Clinic	29	16	5	95	—
Brynteg	" "	143	84	22	459	20
Cefn	" "	51	43	14	235	15
Coedpoeth	9 High Street	125	78	28	456	7
Gresford	Constitutional Club	92	66	8	386	10
Gwersyllt	County Clinic	58	23	6	125	5
Holt	Kenyon Hall	19	11	6	62	3
Rhos	County Clinic	178	109	32	640	8
Rossett	" "	82	46	9	297	3
Ruabon	" "	44	22	17	132	5
Llay	" "	86	40	20	239	10
Totals		907	538	167	3126	86

## RAINFALL

Given below are the monthly figures for the year. The total of 35.71" was lower than the previous year (37.78").

**TABLE 22.**

### **RAINFALL FIGURES TAKEN AT PACKSADDLE, FOR THE YEAR 1970.**

<i>Month</i>	<i>Rainfall (inches)</i>
January	3.54
February	3.66
March	3.77
April	3.74
May	0.97
June	1.62
July	2.05
August	4.27
September	1.59
October	3.05
November	6.24
December	1.21
<b>Total</b>	<b>35.71</b>

## HOUSING

### **Council Dwellings**

The following Table summarises the council house position in the district as at 31st December, 1970. The figures have been supplied by the Engineer and Surveyor.



TABLE 23. COUNCIL HOUSES ERECTED DURING 1970.

Parish	No. of Council Dwellings completed during 1970			Less Temporary Council Dwellings Demolished	Total No. of Council Dwellings at 31.12.70	No. in course of Erection		
	Houses	Bungalows	Flats			Houses	Bungalows	Flats
Abenbury	.....	.....	.....	.....	102	.....	.....	.....
Allington	.....	.....	6	6	170	.....	.....	8
Bersham	.....	16	.....	.....	609	24	.....	36
Bieston	.....	.....	.....	.....	11	.....	.....	.....
Broughton	.....	.....	24	7	1024	19	.....	6
Brymbo	.....	10	24	.....	561	.....	.....	.....
Burton	.....	.....	.....	.....	56	.....	.....	.....
Cefn	.....	.....	.....	1	1207	.....	.....	.....
Erbistock	.....	.....	.....	.....	18	.....	.....	.....
Esclusham Above	.....	.....	.....	.....	97	.....	.....	.....
Esclusham Below	.....	.....	.....	.....	436	.....	.....	.....
Gresford	.....	.....	.....	.....	163	.....	.....	6
Gwersyllt	.....	9	.....	15	1078	.....	.....	12
Holt	.....	.....	6	.....	83	.....	.....	.....
Isycoed	.....	.....	.....	.....	12	.....	.....	.....
Llangollen Rural	.....	.....	.....	.....	229	.....	.....	.....
Llantysilio	.....	.....	.....	.....	8	.....	.....	.....
Llay	.....	.....	.....	.....	370	.....	.....	.....
Marchwiel	.....	.....	.....	.....	105	.....	.....	.....
Minera	.....	.....	4	.....	110	.....	.....	.....
Penycae	.....	.....	.....	.....	656	.....	.....	.....
Rhos	.....	11	18	9	992	1	.....	6
Ruabon	.....	271	44	.....	1134	.....	.....	.....
Sesswick	.....	.....	.....	.....	10	.....	.....	.....
<b>Totals</b>	<b>317</b>	<b>26</b>	<b>134</b>	<b>38</b>	<b>9241</b>	<b>44</b>	<b>.....</b>	<b>74</b>

## Private Dwellings

During the year, 289 private dwellings were also erected, an increase of 13 on 1969.

## DRAINAGE

The Engineer and Surveyor informs me that the position regarding sewerage and sewage disposal at the end of 1970 can be summarised as follows :—

“Sewerage and sewage disposal in the district is reasonably adequate. Construction work is well in hand on the new trunk sewers to connect approximately two thirds of the district to Five Fords Sewage Disposal Works. A tender has been accepted for the extensions at Lavister Sewage Disposal Works.”



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

*To the Chairman and Members of the Public Amenities Committee*

MR. CHAIRMAN, LADIES AND GENTLEMEN,

I have the honour to present my second Annual Report on the activities of the Public Health Department for the year 1970.

There were some changes in the Department's staff during the year. Mr. Hywel Jones, District Public Health Inspector, was appointed Deputy Chief Public Health Inspector, and the post relinquished by him was filled by Mr. Colin G. Edwards, a former pupil in the Department. In the clerical section, Mrs. Ann Griffiths was appointed to the post left vacant by the resignation of Mrs. Wendy Owen.

The Slum Clearance programme has progressed satisfactorily. A total of 93 houses was condemned and a further 150 have been represented for action during the year. 204 houses have been demolished.

As in former years, meat inspection has made heavy demands on the Inspectors' time. A 100% inspection has, however, been maintained, the total number of animals inspected being 84,128, showing a considerable increase on last year's figure.

All other aspects of public health administration have been carried out satisfactorily and I would take this opportunity of expressing my appreciation to the staff of the Public Health Department, both professional and clerical, for their loyalty and assistance.

I take this opportunity of thanking the Chairman and Members of the Public Amenities Committee for their confidence and support and the Medical Officer of Health and all the Chief Officers for their continued co-operation.

Yours sincerely,

C. DAVIES,  
*Chief Public Health Inspector.*



## SANITARY INSPECTION OF DISTRICT.

The following Table gives a detailed list of the work carried out by the Public Health Inspectors in the Rural District during the year.

TABLE 24.

### AS A RESULT OF INSPECTION.

#### HOUSING:

No. of houses re-roofed	.....	.....	.....	8
No. of houses repaired—Roofs	.....	.....	.....	10
No. of houses repaired—Walls	.....	.....	.....	19
No. of houses repaired—Doors	.....	.....	.....	18
No. of houses repaired—Lighting	.....	.....	.....	12
No. of houses otherwise treated to prevent dampness	.....	.....	.....	16
No. of houses in which defective floors were renewed	.....	.....	.....	9
No. of houses in which defective floors were repaired	.....	.....	.....	1
No. of houses provided with new pavements in back yards	.....	.....	.....	6
No. of houses provided with baths	.....	.....	.....	10

#### DRAINAGE:

No. of new septic tanks constructed	.....	.....	.....	4
No. of kitchen sinks provided	.....	.....	.....	8
No. of new drains laid to old premises	.....	.....	.....	4
No. of drains repaired or improved	.....	.....	.....	17
No. of Inspection Chambers constructed	.....	.....	.....	10

#### SANITARY CONVENIENCES:

No. of new water closets provided	.....	.....	.....	10
No. of old water closets furnished with flushing cisterns	.....	.....	.....	3
No. of old water closets repaired	.....	.....	.....	5
No. of privies converted into water closets	.....	.....	.....	1

#### WATER SUPPLY:

No. of old premises supplied	.....	.....	.....	3
No. of service pipes repaired	.....	.....	.....	1
No. of service pipes renewed by Water Co.	.....	.....	.....	116
No. of service pipes repaired by Water Company	.....	.....	.....	245

#### LICENSED PREMISES:

No. of visits to Licensed Premises	.....	.....	.....	39
No. of Licenced Premises improved	.....	.....	.....	31
No. of sanitary conveniences improved	.....	.....	.....	4

#### FACTORIES ACTS, 1937 and 1961:

No. of visits and inspections	.....	.....	.....	155
No. of workshops repaired	.....	.....	.....	1
No. of workshops cleansed on notice	.....	.....	.....	2
No. of new sanitary conveniences provided	.....	.....	.....	2
No. of sanitary conveniences improved	.....	.....	.....	3

#### PETROLEUM REGULATION ACTS, 1928 - 1947:

No. of visits and inspections	.....	.....	.....	79
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**FOOD AND DRUGS ACT, 1955:**

No. of visits to Food Preparation Premises	.....	.....	235
No. of visits to Canteens	.....	.....	38
No. of visits to Restaurants and Snack Bars	.....	.....	23
No. of visits to Fish and Chips Shops	.....	.....	26
No. of visits to Ice Cream Premises	.....	.....	26
No. of visits to Bakehouses	.....	.....	22
No. of Bakehouses repaired	.....	.....	2
No. of Bakehouses cleansed on notice	.....	.....	2

**OFFICES, SHOPS & RAILWAY PREMISES ACT, 1963:**

No. of visits and inspections	.....	.....	87
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**MEAT INSPECTION:**

No. of visits to Slaughterhouses	.....	.....	2956
No. of visits to Butchers' Shops and Stalls	.....	.....	36

**CLEAN AIR ACTS, 1956 - 1968:**

No. of observations taken	.....	.....	102
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**ANIMAL BOARDING ESTABLISHMENTS ACT, 1968:**

No. of visits and inspections	.....	.....	18
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**OFFENSIVE TRADES:**

No. of visits to Knackers Yards	.....	.....	115
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**CARAVAN SITES AND CONTROL OF DEVELOPMENT ACT, 1960:**

No. of visits and inspections	.....	.....	215
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**NOISE ABATEMENT ACT, 1960:**

No. of visits and inspections	.....	.....	7
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**CLERICAL WORK:**

No. of Intimatory Notices issued	.....	.....	86
No. of Intimatory Notices complied with	.....	.....	141
No. of Statutory Notices issued	.....	.....	4
No. of Statutory Notices complied with	.....	.....	—
Total No. of Visits and Inspections	.....	.....	14,168

**HOUSING ACT**

The condemnation and clearance of unfit houses was resumed in 1952, and since that date 2,435 houses have been condemned. The confirmation of Clearance Orders and Compulsory Purchase Orders, totalling a number of 160, has resulted in 1,046 houses being condemned and in addition to this figure, 1,389 houses have been dealt with by individual action under Part 2 of the Housing Act, 1957. The Council have also acquired 47 properties as "Grey Land" in the various completed Compulsory Purchase Orders.

The figures for 1970 show that 12 areas have been confirmed, comprising 58 houses and in addition 35 houses have been individually dealt with. During the year, 10 areas comprising 118 houses and 32 individual unfit houses have been represented to the Council for action under Parts 2 and 3 of the Housing Act, 1957. These have not yet been determined.



Three Undertakings to render houses fit were received from owners of unfit properties. One Undertaking was complied with during the year.

204 houses have been demolished, bringing the total number demolished since 1952 to 2,172. These include condemned properties, council owned properties and others.

Two Local Public Inquiries were held during the year on appeals against three Compulsory Purchase Orders involving 41 houses. At the end of the year the results had not been received.

The Slum Clearance programme is reviewed annually, when the current number of unfit properties is estimated. At the end of 1970, a provisional figure of 637 unfit houses still remain to be dealt with. The greater number of these are in the parishes of Rhos and Gwersyllt. On an average, approximately 100 properties are dealt with annually.

As certain areas of the district are cleared of unfit properties it will be possible for consideration to be given to the formation of General Improvement Areas under the Housing Act, 1969. There are a number of potential areas in the district which could well lend themselves to this type of action once the unfit houses are cleared.

**TABLE 25.**

**IN OR ADJOINING CLEARANCE AREAS.**

1.	No. of areas confirmed during the year	.....	.....	12
2.	(a) No. of houses unfit for human habitation	.....	.....	58
	(b) No. of houses classed as 'grey land'	.....	.....	11
3.	No. of people displaced :			
	(a) Individuals	.....	.....	71
	(b) Families	.....	.....	32
4.	No. of houses demolished :			
	(a) Unfit houses	.....	.....	92
	(b) Houses classed as 'grey land'	.....	.....	2

**REPRESENTED DURING THE YEAR.**

1.	No. of areas	.....	.....	10
2.	Houses unfit for human habitation	.....	.....	118
3.	No. of people to be displaced :			
	(a) Individuals	.....	.....	295
	(b) Families	.....	.....	106

**NOT IN OR ADJOINING CLEARANCE AREAS.**

	No. of undertakings accepted (sec. 16)	.....	.....	3
	No. of undertakings complied with	.....	.....	1
	No. of closing orders made (sec. 17)	.....	.....	7
	No. of demolition orders made (sec. 17)	.....	.....	28
	No. of undertakings to demolish in lieu of making orders	.....	.....	25
	No. of closing orders made (sec. 18)	.....	.....	.....
	No. of closing orders determined (sec. 27)	.....	.....	2
	No. of closing orders revoked and demolition orders substituted (sec. 28)	.....	.....	1



No. of demolition orders revoked (Sec. 24)	.....	.....	.....
No. of demolition orders determined and closing orders substituted (sec. 26)	.....	.....	1
No. of people displaced. (Individual Unfit Houses) :			
(a) Individuals	.....	.....	136
(b) Families	.....	.....	53
No. of houses demolished following demolition orders	.....	.....	70
No. of houses demolished following closing orders	.....	.....	4
No. of other houses demolished	.....	.....	36
No. of individual unfit houses represented during the year (sec. 16(1))	.....	.....	32

## GRANTS

### Standard Grants

55 applications for standard grants were received, an increase of 16 on 1969. The average grant per houses was £221 1s. 6d. as compared to £189 4s. 0d. in 1969.

The number of applications in respect of tenanted houses was doubled but even so accounts for less than 20% of the total applications.

### Discretionary Grants

The total number of applications received and approved is identical with that for the previous year, but shows a considerable decrease in the number relating to tenanted houses, i.e. from 9 to 2. The average grant per houses was £563 5s. 4½d. as compared to £385 12s. 2d. for 1969.

In view of the 1969 Housing Act, with its improved financial aid, it is rather disappointing to note that as regards both Standard and Discretionary Grants, owners of tenanted properties have failed to take the fullest advantage of the grants available for house improvement. It is hoped that in the future, by the formation of General Improvement Areas, an increase in this direction will be forthcoming.

Detailed information regarding grants issued and amenities provided is given in the following Tables.

**TABLE 26.**

### IMPROVEMENT GRANTS.

Standard Grants:	<i>Owner/ Occupier. Tenanted.</i>	
Number of applications received	.....	45 10
Number of applications approved	.....	45 10
Number of applications refused	.....	.....
Number of dwellings improved	.....	45 10
Amount paid in grants	.....	£12,380 5s. od.
Average grant per house	.....	£221 1s. 6d.
Total cost of work on properties	.....	£28,377 13s. od.

**Amenities provided:**

Fixed baths or showers .....	47
Hot and Cold Water supply at a fixed bath or shower .....	48
Wash hand basin .....	48
Hot and Cold Water supply to a wash hand basin .....	49
Sink .....	7
Hot and Cold Water supply at a sink .....	37
Water Closet .....	54
Septic Tanks .....	2

**TABLE 27.**

**IMPROVEMENT GRANTS**

<b>Discretionary Grants:</b>	<i>Owner/ Occupier. Tenanted.</i>	
Number of applications received .....	40	2
Number of applications approved .....	40	2
Number of applications refused .....	.....	.....
Number of dwellings improved .....	40	2
Amount paid in grants .....	£23,094 os. od.	
Average grant per house .....	£563 5s. 4½d.	
Total cost of work on properties .....	£67,142 12s. 6d.	



## WATER SUPPLY

The total number of water samples taken during the year was 27. These included 26 samples taken from properties supplied by the Wrexham and East Denbighshire Water Company and 1 from a property supplied by the Wrexham Rural District Council, namely the Pentredwr Supply.

All samples were submitted to the Public Health Laboratory, Chester, for bacteriological examination and proved to be satisfactory.

Details from the Analyst's reports are given in the following Table.

**TABLE 28.**  
**WATER SUPPLY**

Nature of sample and where taken	Date Sample Taken	Probable No. Coliform Bacilli per 1000 ml.	Probable No. Bact. Coli (Type 1) per 1000 ml.	Remarks
<b>Wrexham and East Denbighshire Water Co.</b>				
Gwersyllt .....	17-2-70	0	.....	Satisfactory.
Llay .....	17-2-70	0	.....	Satisfactory.
Coedpoeth .....	3-3-70	0	.....	Satisfactory.
Rhos .....	3-3-70	0	.....	Satisfactory.
Rhos .....	3-3-70	0	.....	Satisfactory.
Johnstown .....	3-3-70	0	.....	Satisfactory.
Marchwiel .....	8-4-70	0	.....	Satisfactory.
Marchwiel .....	16-4-70	0	.....	Satisfactory.
Newbridge .....	19-5-70	0	.....	Satisfactory.
Froncysyllte .....	19-5-70	0	.....	Satisfactory.
Penycae .....	14-7-70	0	.....	Satisfactory.
Ruabon .....	14-7-70	0	.....	Satisfactory.
Aberoer .....	6-10-70	0	.....	Satisfactory.
Ruabon .....	13-10-70	0	.....	Satisfactory.
Garth .....	13-10-70	0	.....	Satisfactory.
Gwersyllt .....	13-10-70	0	.....	Satisfactory.
Penycae .....	13-10-70	0	.....	Satisfactory.
Ponciau .....	13-10-70	0	.....	Satisfactory.
Aberoer .....	24-11-70	0	.....	Satisfactory.
Aberoer .....	24-11-70	0	.....	Satisfactory.
Brymbo .....	1-12-70	0	.....	Satisfactory.
Lodge .....	8-12-70	0	.....	Satisfactory.
Ruabon .....	8-12-70	0	.....	Satisfactory.
Coedpoeth .....	15-12-70	0	.....	Satisfactory.
Bwlchgywn .....	15-12-70	0	.....	Satisfactory.
Bwlchgywn .....	15-12-70	0	.....	Satisfactory.
<b>Wrexham Rural District Council.</b>				
Pentredwr .....	29-9-70	0	.....	Satisfactory.



A further 24 samples of water were taken from properties situated outside the area supplied by the Water Undertakers. These were also submitted to the Public Health Laboratory, for examination. We keep these private supplies under constant review and take periodic samples to ensure that the water, although untreated, is satisfactory for domestic purposes.

In addition, two samples from private water supplies were submitted to the Public Analyst for chemical analyses. In conjunction with the results of bacteriological analyses, these results proved satisfactory.

### **FOOD AND DRUGS ACT, 1955 AND SLAUGHTER- HOUSES ACT, 1958**

There are 10 slaughterhouses registered by this authority for the slaughter of animals for human consumption. These premises are regularly visited and we have to ensure that the Slaughterhouses (Hygiene) Regulations, 1958, and the Slaughterhouses (Prevention of Cruelty to Animals) Regulations, 1958 are fully complied with in every case. In this connection, in conjunction with this Department, periodic visits to all slaughterhouses are also carried out by the Ministry of Agriculture, Fisheries and Food's Veterinary Officers, who keep complete records of all conditions found at the time of inspection and any contraventions noted have to be immediately rectified.

During the year there has been an increase of 9,111 in the number of animals slaughtered and inspected as compared with 1969. The total number of visits to slaughterhouses amounted to 2,956.

The inspection of meat at the 10 slaughterhouses situated in the district, where slaughtering takes place at various times during the day and outside normal working hours, presents an onerous task. One of the slaughterhouses has a very large kill and is, in addition, the receiving centre for casualty animals. The inspection of these is very detailed and time consuming and as a result of this, the District Public Health Inspector engaged on meat inspection at this establishment has to devote by far the major part of his time to this work. I would like to mention that the Inspectors of the Ministry of Agriculture, Fisheries and Food are available for consultation in the event of any animal being found suspected of having suffered from a notifiable disease.

In spite of the increased 'kill' during the year, a 100% inspection has been maintained. In order to achieve this, a great deal of time has to be spent at the slaughterhouses and this involves the Public Health Inspectors in a considerable amount of overtime, including week-ends and Bank Holidays. I would like, here, to acknowledge the conscientious way in which they carry out this important aspect of their work.



**TABLE 29**

Year 1970	Cattle exclud- ing Cows	Cows	Calves	Sheep and Lambs	Pigs	Total
Number killed (if known) .....	2532	497	94	43,232	37,773	84,128
Number inspected .....	2532	497	94	43,232	37,773	84,128
<b>All Diseases except Tuberculosis and Cysticerci.</b>						
Whole carcasses condemned	30	153	53	118	390	744
Carcasses of which some part or organ was condemned	285	153	1	4467	4,875	9781
Percentage of the number inspected affected with diseases other than tuber- culosis and cysticerci .....	12.44	60.96	57.43	10.63	13.93	12.51
<b>Tuberculosis only.</b>						
Whole carcasses condemned	.....	3	.....	.....	.....	3
Carcasses of which some part or organ was condemned	7	.....	.....	.....	832	839
Percentage of the number inspected affected with Tuberculosis .....	0.276	0.603	.....	.....	2.202	0.998
<b>Cysticercosis.</b>						
Carcasses of which some part or organ was condemned	.....	.....	.....	.....	.....	.....
Carcasses submitted to treat- ment by refrigeration .....	.....	.....	.....	.....	.....	.....
Generalised and totally condemned .....	.....	.....	.....	.....	.....	.....

**SLAUGHTER OF ANIMALS ACT, 1958**

37 Slaughtermen in the district were licenced during the year.

**FOOD AND DRUGS ACT, 1955**

**Food Condemned**

The Public Health Inspectors are also responsible for the inspection of meat and other foods.

The following Table shows the articles of food which have been inspected and found to be unfit for human consumption. In all cases, the food was voluntarily surrendered and destroyed and covering certificates issued to the retailers concerned.



**TABLE 30.**

**UNSOUND FOOD SURRENDERED OR CONDEMNED.**

	Tons	Cwts	Qrts	Lbs
1. (Meat at Slaughterhouses	68	0	3	8
2. (Meat		2	1	18
3. (Meat	73	pkts.		
4. (Meat	49	tins		
5. (Sausages				38
6. (Sausages	1	pkt.		
7. Soup	12	tins		
8. (Fish	35	tins		
9. (Fish	133	pkts.		
10. (Peas	10	pkts.		
11. (Peas	42	tins		
12. Beans	20	pkts.		
13. Sprouts	10	pkts.		
14. Carrots	11	tins		
15. Mixed Vegetables	48	tins		
16. Tomatoes	97	tins		
17. Fruit	191	tins		
18. Milk Pudding	39	tins		
19. Cream	2	tins		
20. Ice Cream	90	blocks		
21. Powdered Milk	18	pkts.		
22. Tea	12	pkts.		
23. Sugar	20	pkts.		
24. Ginger Beer	9	tins		

In addition to the above, due to two electricity breakdowns, 543 packets of frozen foods were condemned.

**SECTION 2, FOOD AND DRUGS ACT, 1955**

During the year, 18 complaints were received in respect of food being sold which is not of the nature, substance or quality demanded. There appears to be a steady increase in the number of complaints of this nature received each year, which indicates that the public are becoming more concerned about the quality of food offered for sale.

Of the 18 complaints dealt with, one was the subject of legal action which was still pending at the end of the year. In respect of the other cases, representatives of the firms concerned were interviewed and warnings given and these cases were resolved without having to resort to legal proceedings.



## FOOD PREMISES

There are 62 Food Premises registered in our area, made up as follows :—

Canteens	.....	.....	.....	.....	.....	48
Cafes	.....	.....	.....	.....	.....	11
Snack Bars	.....	.....	.....	.....	.....	3

Periodic visits are carried out to ensure that the Food Hygiene (General) Regulations, 1960-1962 are complied with. In all cases the standard of hygiene is well maintained.

The under-mentioned premises are subject to registration under the Food and Drugs Act, 1955, namely :—

Fish Frying Establishments	.....	.....	.....	.....	.....	32
Sausage Manufacturers	.....	.....	.....	.....	.....	13
Ice Cream Premises	.....	.....	.....	.....	.....	171

7 samples of Ice Cream were taken during the year and submitted to the Public Health Laboratory, Chester, for analyses, with the following results :—

Grade 1	.....	.....	.....	.....	.....	6
Grade 2	.....	.....	.....	.....	.....	1

In addition, a register is kept of the following establishments, namely :—

Butchers Shops	.....	.....	.....	.....	.....	33
Licenced Premises	.....	.....	.....	.....	.....	161

These are regularly visited to ensure that they comply with the standards laid down.

During the year three super-markets were completed and came into operation. It appears that super-markets are taking the place of the smaller shops and this seems to be the trend generally.

## FOOD SAMPLING

I am indebted to Mr. D. Hugh Owens, Chief Inspector, Weights and Measurers, for the following information in respect of formal samples taken in our area and submitted for examination during 1970.

**TABLE 31.**

Particulars of samples taken under the Food and Drugs Act, in the Wrexham Rural District during the year ended 31st December, 1970.

<i>Article</i>	<i>No. Taken</i>	<i>Genuine</i>	<i>Not Genuine or Sub- standard</i>
<b>Milk</b> .....	111	107	4
Butter .....	2	2	.....
Margarine .....	1	1	.....
Lard .....	4	4	.....
Sunny Spread .....	1	1	.....
Milk Top .....	1	1	.....
Meat Pies .....	1	1	.....
Stewed Steak .....	1	1	.....
Casserole Meat with gravy .....	1	1	.....
Meatballs in gravy .....	1	1	.....
Sausage Rolls .....	1	1	.....
Sausages .....	2	2	.....
Salmon and Shrimp paste .....	1	1	.....
Fancy Crabmeat .....	1	1	.....
White Cabbage and Salt .....	1	1	.....
Pickled Beetroot .....	1	1	.....
Onions .....	1	1	.....
Cockles .....	1	1	.....
Vinegar .....	2	1	1
Non brewed Condiment .....	1	1	.....
Sauce .....	1	1	.....
Gravy browning .....	1	1	.....
Ice Lolly .....	1	1	.....
Honey .....	1	1	.....
Jam .....	2	2	.....
Tinned Fruit .....	6	5	1
Ginger Concentrate .....	1	1	.....
Pancake and Batter mixture .....	1	1	.....
Biscuits .....	1	1	.....
Soft Drink .....	4	4	.....
Whisky .....	2	2	.....
Indian Brandee .....	1	1	.....
Apple Wine .....	1	1	.....
Evaporated Milk .....	1	1	.....
Sweets .....	2	2	.....
Slimming Diet .....	1	.....	1
Baby Food .....	3	3	.....
Codeine Linctus .....	1	1	.....
Back and Kidney Pills .....	1	1	.....
Tablets for cold relief .....	1	1	.....
Senna Tablets .....	1	1	.....
Soda mint tablets .....	1	1	.....
Ethrine .....	1	1	.....
<b>Totals</b> .....	<u>172</u>	<u>165</u>	<u>7</u>



As will be seen from the Table, 111 samples of milk and 61 samples of other foods etc., taken in the Wrexham Rural District were submitted to the Public Analyst during the year ending 31st December, 1970. Three samples of milk were found to contain added water and the producers concerned were prosecuted and convicted. The other sample was found to be slightly below the standard for fat and the producer concerned was advised and cautioned accordingly. In addition to the usual tests for quality the Analyst carries out further tests for the presence of antibiotics in milk and 47 such tests were made with a negative result in each instance.

With regard to the samples other than milk, adverse reports were received on three articles. A sample of tinned fruit was reported as containing tin slightly in excess of the amount recommended by the Food Standards Committee. On finding no further supplies available the matter was dealt with by advice and caution. A sample of slimming diet was found to contain cyclamates. This product was old stock and the small amount remaining was withdrawn from sale and the retailer advised. A sample of vinegar taken as the result of a complaint was found to be non-brewed condiment and should have been sold as such. The retailer concerned was prosecuted and convicted.

In addition to samples submitted to the Public Analyst, a great deal of routine work on the examination of labelling etc., is done by the Inspectors in their day to day duties. This is a multi-purpose function made for Weights and Measures, Trades Description etc., as well as Food and Drugs purposes. Again, samples of milk taken from vending machines, schools, welfare homes, Hospitals, etc., are taken and tested within the department. During the year in question 71 such samples were taken and all these samples were found to be satisfactory.

### **KNACKERS YARD**

Licences are renewed annually in respect of two Knackers Yards situated in our area, namely :—

Tyddyn Daniel, Marchwiel. (Clutton).  
Ffrwd, Brymbo. (Bond).

Regular visits are paid to these premises which are found to be well conducted.

In addition to other animals slaughtered at the Knackers Yards, 33 horses were slaughtered and 50 carcasses of horses received at these premises during the year.

## FACTORIES ACTS, 1937 AND 1961

There are at present 220 factories on the Council's register. 29 new factories were established in the district during the year and with the new industrial estates being developed there is every possibility of a further increase in the future.

In accordance with our duties under the Factories Acts, routine visits are paid to ensure compliance with the necessary regulations. As a result of this, action was taken to remedy defects in 8 cases.

A number of complaints of smell, dust and smoke nuisances have been received during the year as a result of industrial activity. I feel it is inevitable that with certain types of industry, some measure of annoyance can be expected. It has been found that the management of the various concerns which give rise to complaints have co-operated with the Department in attempting to reduce the annoyance caused.

I would also like to thank the Alkali Inspector for his co-operation and advice in certain difficult situations which have arisen.

Statistical information regarding factories is given in the following Tables.



**TABLE 32.**

FACTORY.	<i>No. on Register.</i>
Animal Food (Manufacture of) .....	1
Bacon Factory .....	1
Bakehouses .....	10
Blacksmiths .....	1
Body Builders .....	3
Boot Repairers .....	5
Brickworks .....	7
Cabin Cruiser Repairs .....	1
Chemical Works .....	3
Chocolate Manufacturers .....	1
Collieries .....	2
Cotton, Weaving and Spinning .....	2
Cycle Shops .....	3
Dairies .....	1
Dressmaking and Tailoring .....	9
Electrical Equipment .....	15
Engineering Repair Workshops .....	4
Garages .....	63
Gas Works .....	3
Hydraulic Equipment .....	1
Iron, Steel and Metal Manufacturers .....	14
Joinery (Upholstery and Undertaking, Builders' Shops etc.) .....	24
Life Saving Equipment .....	1
Millers .....	2
Plastic Coating .....	1
Plastic Manufactures .....	5
Pre-cast Concrete Units .....	6
Printers .....	3
Sawmills .....	4
Scrap Dealers .....	3
Slag Handling and Scrap Recovery .....	1
Slaughter Houses .....	10
Soft Furnishings .....	2
Stone Crushing .....	1
Stonemasons .....	1
Stone Quarrying .....	1
Tiled Fireplaces .....	1
Toy Manufacture .....	3
Tyre Manufacture .....	1
<b>TOTALS</b>	<b>220</b>

**TABLE 33.****PART 1 OF THE 1961 ACT.**

1—INSPECTIONS for purposes of provisions as to health (including inspections made by Public Health Inspectors).

Premises (1)	Number on Register (2)	Number of		
		Inspections (3)	Written notices (4)	Occupiers prosecuted (5)
(i) Factories in which Sections 1, 2, 3, 4, and 6 are to be enforced by Local Authorities .....	20	433	3	.....
(ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority.....	200	2601	5	.....
(iii) Other Premises in which Section 7 is enforced by the Local Authority (excluding out-workers' premises)	.....	.....	.....	.....
<b>Totals</b> .....	<b>220</b>	<b>3034</b>	<b>8</b>	<b>.....</b>



2—Cases in which DEFECTS were found

(If defects are discovered at the premises on two, three or more separate occasions they should be reckoned as two, three or more "cases").

Particulars (1)	Number of cases in which defects were found				No. of cases in which prosecutions were instituted (6)
	Found (2)	Re-medied (3)	Referred To H.M. Inspector (4)	Referred By H.M. Inspector (5)	
Want of cleanliness (S.1.)	1	2	.....	2	.....
Overcrowding (S.2.)	.....	.....	.....	.....	.....
Unreasonable temperature (S.3.)	.....	.....	.....	.....	.....
Inadequate Ventilation (S.4.)	.....	.....	.....	.....	.....
Ineffective drainage of floors (S.6.)	1	.....	.....	1	.....
Sanitary Conveniences (S.7.)					
(a) Insufficient	1	2	.....	2	.....
(b) Unsuitable or defective	2	3	.....	3	.....
(c) Not separate for sexes	.....	.....	.....	.....	.....
Other offences against the Act (not including offences relating to Outwork)	.....	1	.....	1	.....
<b>Totals</b>	<b>5</b>	<b>8</b>	<b>.....</b>	<b>9</b>	<b>.....</b>

**TABLE 34.**  
**PART VIII OF THE ACT.**  
**Outwork**  
(Sections 133 and 134)

Nature of Work (1)	Section 133			Section 134		
	No. of out-workers in August list required by Section 133 (1) (c) (2)	No. of cases of default in sending lists to the Council (3)	No. of prosecutions for failure to supply lists (4)	No. of instances of work in some premises (5)	Notices served (6)	Prosecutions (7)
Wearing apparel ) Making, etc. .... ) Cleaning and ) Washing .....	2	—	—	—	—	—
	—	—	—	—	—	—
Furniture and Upholstery .....	2	—	—	—	—	—
<b>TOTALS</b> .....	<b>4</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>



## **PETROLEUM (REGULATION) ACTS, 1928 - 1947**

The Council is responsible for the licencing of premises under the above Act for the storage of petroleum spirit and mixtures.

Number of licenced premises at the end of 1969	.....	.....	.....	.....	.....	86
Number of licenced premises discontinued during 1970	.....	.....	.....	.....	.....	18
Number of new installations inspected and licenced during 1970	.....	.....	.....	.....	.....	4
Total number of licenced premises on the register at the end of 1970	.....	.....	.....	.....	.....	72

I would like to say that with regard to new installations, we do receive the co-operation and help of the Denbighshire and Montgomeryshire Joint Fire Service.

During the year three disused tanks were rendered safe.

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

This is a most important Act, dealing with the health, safety and welfare of workers at the various offices, retail shops, wholesale departments, catering establishments and fuel storage depots.

207 such premises are registered with this Council, involving 1,351 employees.

Five accidents were reported during the year, one in an office, 3 in shops and one in a warehouse. All were investigated and full details supplied to H.M. Inspector of Factories. 4 accidents were due to 'falls of persons' and one to 'use of hand tools'.

25 contraventions under the Act were remedied during the year, dealing with temperature, lighting, stairs, first aid and other matters.

It has not been found necessary to institute any legal proceedings under any part of the Act.

Tabulated information relating to various aspects of the Act are given in the following extracts from the statutory return for 1970 submitted to H.M. Superintending Inspector of Factories.

TABLE 35

## A. REGISTRATION AND GENERAL INSPECTION.

<i>Class of Premises</i>	<i>No. of premises on Council's register at end of 1969</i>	<i>Premises cancelled during 1970</i>	<i>New registrations during 1970</i>	<i>Total No. on Council's register at end of 1970</i>	<i>No. of registered premises receiving a general inspection during 1970</i>
Offices .....	62	2	6	66	1
Retail Shops .....	137	17	4	124	2
Wholesale Shops, Warehouses .....	3	—	—	3	—
Catering Establishments open to Public, Canteens .....	12	—	1	13	—
Fuel Storage Depots	1	—	—	1	—
<b>Totals</b> .....	<b>215</b>	<b>19</b>	<b>11</b>	<b>207</b>	<b>3</b>

No. of visits of all kinds by Inspectors to Registered Premises — 87

TABLE 36.

## B. ANALYSIS BY WORKPLACE OF PERSONS EMPLOYED IN REGISTERED PREMISES AT END OF YEAR., 1970.

<i>Class of workplace</i> (1)	<i>Number of persons employed</i> (2)
Offices .....	791
Retail Shops .....	442
Wholesale departments, warehouses .....	23
Catering establishments open to the public .....	79
Canteens .....	12
Fuel storage depots .....	4
<b>Total</b> .....	<b>1351</b>
<b>Total Males</b> .....	<b>657</b>
<b>Total Females</b> .....	<b>694</b>



TABLE 37.

C. ANALYSIS OF CONTRAVENTIONS.

Section	Cases considered under :	No. of Contraventions found & Notices served during 1970	No. Completed during 1970
4.	Cleanliness .....	.....	.....
5.	Overcrowding .....	.....	.....
6.	Temperature .....	3	10
7.	Ventilation .....	.....	.....
8.	Lighting .....	.....	2
9.	Sanitary Conveniences .....	.....	.....
10.	Washing facilities .....	.....	.....
11.	Supply of Drinking Water .....	.....	.....
12.	Clothing Accommodation .....	.....	.....
13.	Sitting Facilities .....	.....	.....
14.	Seats (Sedentary Workers) .....	.....	.....
15.	Eating Facilities .....	.....	.....
16.	Floors, passage and stairs .....	.....	1
17.	Fencing exposed parts machinery .....	.....	.....
18.	Protection of young persons from dangerous machinery .....	.....	.....
19.	Training of young persons working at dangerous machinery .....	.....	.....
23.	Prohibition of heavy work .....	.....	.....
24.	First Aid .....	.....	6
	Other matters .....	1	6
	Totals .....	4	25

D. EXEMPTIONS.

No. of applications received ..... —

E. PROSECUTIONS.

No. instituted and completed during the year .... —

TABLE 38.

F. REPORTED ACCIDENTS.

Workplace	No. Reported		Total No. Investigated.	Action Recommended			
	Fatal.	Non-Fatal.		Prosecution	Formal Warning.	Informal Advice.	No Action
Offices	.....	1	1	.....	.....	.....	.....
Retail Shops	.....	3	3	.....	.....	.....	.....
Wholesale Shops, Warehouses	.....	1	1	.....	.....	.....	.....
Catering Establishments open to public, canteens	.....	.....	.....	.....	.....	.....	.....
Fuel Storage Depots	.....	.....	.....	.....	.....	.....	.....
Totals	.....	5	5	.....	.....	.....	.....

TABLE 39.

Analysis of reported accidents.

Cause of Accident.	Offices.	Retail Shops.	Wholesale Warehouses.	Catering establishments open to public, canteens.	Fuel Storage Depots.
Machinery	.....	.....	.....	.....	.....
Transport	.....	.....	.....	.....	.....
Falls of persons	1	2	1	.....	.....
Stepping on or striking against object or person	.....	.....	.....	.....	.....
Handling goods	.....	.....	.....	.....	.....
Struck by falling object	.....	.....	.....	.....	.....
Fires and Explosions	.....	.....	.....	.....	.....
Electricity	.....	.....	.....	.....	.....
Use of hand tools	.....	1	.....	.....	.....
Not otherwise specified	.....	.....	.....	.....	.....



## **CLEAN AIR ACTS, 1957 AND 1968**

During the greater part of the year there were five Standard Deposit Gauges and two Lead Peroxide Instruments sited in the District.

In November, the Standard Deposit Gauge at New Broughton was discontinued and was re-sited at Maesyffynnon, Minera, where readings were commenced. The gauge is practically at the entrance to a Quarrying and Tarmac Works and sited so as to give some evidence of pollution from both the industrial site and the highway.

Another Standard Deposit Gauge was sited at Pentre Broughton on the easterly side of Brymbo Steel Works, in November.

The high figure shown of Bwlchgwyn 1 for November was due to the starting up of the particular factory being monitored.

### **Chimney Heights**

Four applications for approval of chimney heights were received from industrial concerns in the area during the year. These were determined and corrected chimney heights approved in each case.

TABLE 40.

STANDARD DEPOSIT GAUGES

Month	Acrefair	Cefn	Tons pollution per square mile				
			New Broughton	Bwlch-gwyn 1	Bwlch-gwyn 2	Pentre Broughton	Minera
January	4.31	No result	2.80	2.72	4.08	—	—
February	2.94	No result	2.03	1.07	1.03	—	—
March	3.47	9.33	2.06	3.10	1.51	—	—
April	3.52	6.46	2.57	3.28	1.91	—	—
May	3.80	12.60	5.58	6.12	3.15	—	—
June	5.03	5.57	13.99	5.92	1.67	—	—
July	2.16	1.27	5.37	2.65	2.22	—	—
August	6.20	6.20	6.69	No result	1.88	—	—
September	2.20	4.30	3.99	6.78	1.37	—	—
October	3.10	4.66	1.49	3.96	0.58	—	—
November	1.77	12.34	Discontinued	71.84	4.14	—	19.73
December	7.24	4.59	Discontinued	52.35	4.07	3.19	13.39



**TABLE 41.****LEAD PEROXIDE INSTRUMENTS.**

<i>Month</i>	<i>Rhosycoed Site, Trevor</i>	<i>Pentre Broughton</i>
January	0.67	0.88
February	0.560	0.587
March	0.55	0.440
April	0.23	0.36
May	0.45	0.41
June	0.32	0.42
July	0.187	0.137
August	0.53	0.45
September	0.364	0.304
October	0.68	0.49
November	0.66	0.62
December	0.90	0.74

**NOISE ABATEMENT ACT, 1960**

During the year four complaints were received and investigations carried out. Three of these were found to be nuisances under the Act; two were from industrial concerns and one from a commercial establishment. In each case the management co-operated fully and the nuisance was abated.

**ANIMAL BOARDING ESTABLISHMENTS**

One establishment was closed during the year, leaving a total of five establishments on the Council's register. Routine visits are made to these premises to see that they comply with the requirements of the above Act.

One complaint of noise from barking dogs was received during the year. This was investigated and several visits paid to the premises concerned. The owner was most co-operative and sought veterinary advice. As a result of this the nuisance was abated.

**AGRICULTURE (SAFETY, HEALTH AND WELFARE PROVISIONS) ACT, 1956**

During the early part of the year, a survey was carried out relating to sanitary conveniences on farms, but it was not found necessary to take any action under the particular sections of the above Act. A full report on the findings was submitted to the Ministry of Agriculture, Fisheries and Food.



## **CARAVAN SITES AND CONTROL OF DEVELOPMENT ACT, 1960**

At the end of the year there were 35 licenced caravan sites in the rural district. These included 25 holiday sites, comprising 205 caravans and 10 residential sites with a total of 90 caravans. Each site licenced is subjected to certain conditions under the Act and they are periodically visited to ensure that there is full compliance with the standard laid down.

During the year one prosecution was taken against the owner of a permanent caravan site for non-compliance with the conditions attached to his particular site licence. As a result of this, the site owner was fined a total of £20 plus £10. 10. 0d. advocate's fee. This site is still not satisfactory and is kept under constant supervision.

Generally speaking, the other sites in the rural district are kept up to quite a satisfactory standard.

Under Part 2 of the Caravan Sites Act, 1968, the County Council has the power to provide sites for gypsy encampments. A number of sites were considered for this purpose during the year by a joint delegation of the Wrexham Rural District Council and the Denbighshire County Council, but no decision was made to adopt any one of them for this use.

## **SCRAP METAL DEALERS ACT, 1964**

During the year one person was registered under the above Act, making a total of 20 persons registered as Scrap Metal Dealers in the district. Registrations are renewable every three years. The Police Authority for the area is kept informed of the current position under this Act.

## **PREVENTION OF DAMAGE BY PESTS ACT, 1949**

Two operators are employed by the Council to carry out the inspection and treatment of premises infested by rats and mice.

883 complaints of infestations were received and of these 800 warranted treatment; 639 in respect of rat infestations and 161 of premises infested by mice. These treatments necessitated 3,275 visits.

During the year, sewer treatments were carried out in the parishes of Broughton, Brymbo, Esclusham Below, Gwersyllt and Rhos. As a result of this it was found that there were no heavy infestations but where treatment was found to be necessary it was carried out successfully.



## INFESTATION BY VERMIN

Complaints of vermin infestations are dealt with by the two Rodent Operators.

During the year, 56 complaints were received; 44 from Council houses and 12 from private dwellings. Ants were by far the greatest source of complaints and accounted for approximately 40% of the infestations. In addition, complaints of Wasps, Beetles, Flies and Hornets were also dealt with.

Two cases of bed bug infestations were treated, both in council houses.





