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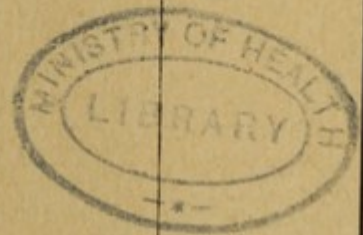
Neath Rural District Council

**ANNUAL
REPORT**

For 1947.



Medical Officer of Health



Neath Rural District Council

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March Rural District Council

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Neath Rural District Council

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Medical Officer of Health:

J. GRIFFITHS, O.B.E., M.R.C.S. (Eng.), L.R.C.P. (Lond.), D.P.H. (Lond. & Eng.).

Medical Officer for Maternity and Child Welfare Centres:

J. GRIFFITHS, O.B.E., M.R.C.S. (Eng.), L.R.C.P. (Lond.), D.P.H. (Lond. & Eng.).

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J. LLOYD DAVIES, M.D. (Lond.), M.R.C.P. (Lond.), F.R.C.S. (Edin.), D.P.H. (Lond. & Eng.).

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G. H. JAMES, Registered State Nurse, C.M.B. Cert., H.V. Cert. (R.S.I.).

Health Visitors:

O. LEWIS, C.M.B. Cert., H.V. Cert. (R.S.I.).

E. EDWARDS, Registered State Nurse, C.M.B. Cert., New H.V. Cert. (R.S.I.).

J. M. HOPKINS, Registered State Nurse, C.M.B. Cert., New H.V. Cert. (R.S.I.).

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D. J. DAVIES.

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B. D. JONES.

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G. H. BOWDEN

Rodent Officer:

C. H. FOSTER.

Neath Rural District Council.

Public Health Department,
Orchard Chambers,
Neath.

September, 1948.

To the Chairman and Members of the Neath Rural District Council,
Mr. Chairman, Ladies and Gentlemen,

I have pleasure in submitting to you my Annual Report for 1947, which is the 29th Report during my period of office as your Medical Officer of Health and which is prepared in accordance with the Ministry Circulars.

The birth-rate for the year is 19.9 as compared with 18.5 for the previous year. The death-rate is 11.7 as compared with 11.2 for the previous year.

The infantile mortality rate is 46 as compared with 47 for the previous year. During the year there were 4 maternal deaths.

There were no deaths from diptheria during the year, but one death occurred from Cerebro-Spinal Fever.

Tables of statistics of births deaths, infantile mortality, sanitary circumstances of the area, infectious diseases etc., are given in the Report.

22 traditional type houses were occupied during the year at Tonmawr and Cwmgwrach and work on the building of houses was commenced in a number of other places in your area.

This is the last Report I shall make, as at the time of writing I am due to retire. It is therefore pleasing to note that work has now begun on the sewerage of the Parish of Clyne. I would urge upon you as a Council to keep immediately before you the sewerage of Neath Lower, Rhigos and Baglan Higher, as improved sanitary conditions are essential in these areas.

In conclusion I would take this opportunity of thanking the Council for the co-operation they have given me during my period of office, during which time much improvement has taken place in the area and in its social services. I would like also to express my appreciation to the loyal and fine staff which it has been my privilege to work with during the years I have been at Neath. They have always given of their best to me and the Council and I leave knowing they will carry on in the spirit built up during the past thirty years.

I am, Mr. Chairman, Ladies and Gentlemen,

Yours faithfully,

J. GRIFFITHS,
Medical Officer of Health.

Report

I.—STATISTICS AND SOCIAL CONDITIONS OF THE AREA.

Area.—The acreage of the Neath Rural District (including land and inland water) is 52,039. The acreage of each Parish is as follows:—

Baglan Higher	.....	.....	.....	1,718	acres.
Blaengwrach	.....	.....	.....	2,869	"
Blaenhonddan	.....	.....	.....	3,466	"
Clyne	.....	.....	.....	2,195	"
Coedffranc	.....	.....	.....	3,826	"
Dyffryn Clydach	.....	.....	.....	1,725	"
Dulais Higher	.....	.....	.....	6,261	"
Dulais Lower	.....	.....	.....	5,227	"
Michaelstone Higher	.....	.....	.....	2,410	"
Neath Higher	.....	.....	.....	6,870	"
Neath Lower	.....	.....	.....	2,101	"
Resolven	.....	.....	.....	4,672	"
Rhigos	.....	.....	.....	5,583	"
Tonna	.....	.....	.....	3,116	"

Population.—The census population of 1931 is 39,783. The Registrar-General's estimated population for 1947 is 40,300.

Rateable Value and Sum Represented by a Penny Rate:—

(a) Total Rateable Value	.....	.....	.....	£149,631.
(b) Produce of a Penny Rate—General Rate Purposes	.....	.....	.....	£549. 1s. 0d.

Extracts from Vital Statistics of the Year:—

		Total.	M.	F.	
LIVE BIRTHS	Legitimate	788	389	399	Birth-rate per 1,000 of the estimated population
	Illegitimate	12	7	5	
					19.9
STILL-BIRTHS	Legitimate	24	13	11	Still-birth rate per 1,000 Live and still births
	Illegitimate	1	1	0	
					30.3
DEATHS		472	263	209	Death-rate per 1,000 of the estimated resident population
					11.7

Maternal Deaths.

	Deaths.	Rate per 1,000 total live and still births.
1. Puerperal and Post-abortive sepsis	0	0.00
2. Other maternal causes	4	4.80
Total	4	4.80

Death Rate of Infants under One Year of Age:—

	Death-rate.
All infants per 1,000 live births	46.2
Legitimate Infants per 1,000 legitimate live births	44.4
Illegitimate Infants per 1,000 illegitimate live births	166.6

	Total.	Male.	Female.
Deaths from CANCER (all ages)	67	38	29
„ MEASLES (all ages)	0	0	0
„ DIARRHOEA (under 2 years)	3	1	2
„ WHOOPING COUGH (all ages)	0	0	0

Age Distribution of Cancer Deaths:—

	Male.	Female.
0—25 years	0	0
25—35 years	2	0
35—45 years	0	6
45—55 years	6	5
55—65 years	7	6
65 years and onwards	23	12
	38	29

Births.—The proportion of live male to live female births for the year is as 1,000 is to 980. The number of births and birth-rates for the Neath Rural District are shown in the following Table :—

<i>Year.</i>	<i>Births.</i>	<i>Birth-rate.</i>
1938	643	15.9
1939	623	15.3
1940	676	17.0
1941	661	16.4
1942	701	17.7
1943	697	17.7
1944	802	20.3
1945	656	16.6
1946	741	18.5
1947	800	19.9

Still-births.—The number of still-births and the still-birth rates since 1938 for the Neath Rural District are as follows :—

<i>Year.</i>	<i>Still-births.</i>	<i>Still-birth rates per 1,000 Live & Still-births.</i>
1938	30	44.5
1939	36	54.6
1940	30	42.4
1941	25	36.4
1942	26	37.1
1943	22	31.5
1944	31	37.2
1945	17	25.3
1946	17	28.8
1947	25	30.3

Deaths.—The deaths at all ages from all causes during the year 1947 amounted to 472. Of this total 263 were males and 209 females. The deaths correspond to a death-rate of 11.7 per thousand of the population. The number of deaths, as well as the percentage at different age periods, are given below :—

<i>Age Periods.</i>	<i>No. of Deaths.</i>	<i>Percentage of Total Deaths.</i>
0— 1 year	37	7.9
1— 2 years	4	.8
2— 5 years	2	.4
5—15 years	7	1.5
15—25 years	13	2.8
25—45 years	44	9.3
45—65 years	117	24.8
65 years and upwards	148	52.5
TOTAL	472	100.0

The number of deaths and death-rates for the area since 1938 are given in the following table :—

<i>Year.</i>	<i>No. of Deaths.</i>	<i>Death-rates.</i>
1938	453	11.2
1939	489	12.0
1940	455	11.4
1941	513	12.7
1942	461	11.7
1943	438	11.1
1944	420	10.6
1945	454	11.5
1946	448	11.2
1947	472	11.7

During 1947 the District Coroner held inquests on 63 deaths, i.e. 13.4 per cent. of the total deaths.

Transferable Deaths.—125 deaths occurred outside the district, i.e. being persons belonging to this district. These deaths are included in the total number of deaths, 472, given above. 17 deaths occurred within the district among persons belonging to other districts and these have been transferred to the districts concerned and are not included in the total number of deaths for the area.

Seasonable Death-rate.—The following table gives the number of deaths and death-rates for each quarter of 1947 :—

	<i>No. of Deaths.</i>	<i>Death-rate.</i>
First Quarter	150	14.9
Second Quarter	117	11.7
Third Quarter	94	9.3
Fourth Quarter	111	11.0

The following table gives the comparative figures for Births, Deaths and Infant Mortality Rates in the County of Glamorgan :—

DISTRICT.	Estimated Population, 1946	BIRTHS.		DEATHS.		INFANT MORTALITY.	
		Number of Births.	Rate per 1000 Population.	Number of Deaths.	Rate per 1000 Population.	Deaths under 1 year.	Rate per 1000 births.
Administrative County	712070	14803	20.8	9312	13.1	752	51
Urban Districts	520900	11093	21.3	7107	13.6	585	53
Rural Districts	191170	3710	19.4	2205	11.5	167	45
England & Wales	—	—	20.5	—	12.0	—	41
URBAN DISTRICTS.							
Aberdare	39780	721	18.1	627	15.8	45	62
Barry	38480	895	23.3	482	12.5	43	48
Bridgend	12710	263	20.7	143	11.3	10	38
Caerphilly	32260	793	24.6	431	13.4	55	69
Cowbridge	1290	9	7.0	16	12.4	—	—
Gelligaer	35810	830	23.2	437	12.2	53	64
Glyncorwg	8770	215	24.5	131	14.9	12	56
Llchwyr	25680	476	18.5	279	10.9	17	36
Maesteg	22800	529	23.2	312	13.7	32	60
Mountain Ash	31480	654	20.8	468	14.9	48	73
Neath	31510	632	20.1	395	12.5	21	33
Ogmore & Garw	23000	462	20.1	307	13.3	22	48
Penarth	17230	377	21.9	224	13.0	16	42
Pontypridd	38800	853	22.0	530	13.7	48	56
Porthcawl	8640	169	19.6	145	16.8	7	41
Port Talbot	40820	905	22.2	512	12.5	36	40
Rhondda	111840	2310	20.7	1668	14.9	120	52
RURAL DISTRICTS.							
Cardiff	36770	582	15.8	390	10.6	19	33
Cowbridge	13110	367	28.0	145	11.1	17	46
Gower	10920	216	19.8	133	12.2	7	32
Llantrisant	23670	561	23.7	278	11.7	22	39
Neath	40300	800	19.9	472	11.7	37	46
Penybont	33290	627	18.8	361	10.8	40	64
Pontardawe	33110	557	16.8	426	12.9	25	45

Causes of Death (Neath Rural, 1947).

	Male.	Female.	Total.
Typhoid and Paratyphoid Fevers	0	0	0
Cerebro-spinal Fever	1	0	1
Scarlet Fever	0	0	0
Whooping Cough	0	0	0
Diphtheria	0	0	0
Tuberculosis of Respiratory System	8	8	16
Other Forms of Tuberculosis	2	4	6
Syphilitic Diseases	0	0	0
Influenza	3	3	6
Measles	0	0	0
Acute Polio-myelitis and Polio-encephalitis	0	0	0
Acute Infantile Encephalitis	0	1	1
Cancer of buccal cavity: and oesophagus (M):			
uterus (F)	6	4	10
Cancer of Stomach and Duodenum	10	8	18
Cancer of Breast	0	8	8
Cancer of all other sites	22	9	31
Diabetes	1	6	7
Intracranial Vascular Lesions	16	27	43
Heart Disease	55	47	102
Other Diseases of Circ. System	9	3	12
Bronchitis	27	11	38
Pneumonia	8	13	21
Other Respiratory Diseases	18	0	18
Ulcer of Stomach and Duodenum	5	1	6
Diarrhoea under 2 years	1	2	3
Appendicitis	0	0	0
Other Digestive Diseases	4	4	8

Causes of Death—continued.

	<i>Male.</i>	<i>Female.</i>	<i>Total.</i>
Nephritis	11	9	20
Puerperal and Post Abortive Sepsis	0	0	0
Other Maternal causes	0	4	4
Premature Birth	4	5	9
Congenital Malformations : Birth Injuries : Infant Diseases	4	5	9
Suicide	3	0	3
Road Traffic Accidents	2	0	2
Other violent causes	13	6	19
All other causes	30	21	51
	<u>263</u>	<u>209</u>	<u>472</u>

Diarrhoea and Enteritis (under 2 years).

The number of deaths and death-rates in the area since 1938 are given in the following table :—

<i>Year.</i>	<i>Total Births.</i>	<i>Deaths under 2 years from Diarrhoea and Enteritis.</i>	<i>Death-rate per 1,000 live births.</i>
1938	643	1	1.55
1939	623	0	0.00
1940	686	4	5.83
1941	676	3	4.43
1942	701	3	4.27
1943	697	1	1.43
1944	802	2	2.49
1945	656	3	4.57
1946	741	4	5.39
1947	800	3	3.75

Infantile Mortality.

For the purpose of calculating Infantile Mortality, there were 800 births during the year and 37 deaths of infants under One Year, giving an infantile mortality rate of 46 per thousand live births.

The infantile mortality rates for legitimate and illegitimate infants were 44 and 166 respectively.

The following table gives the number of births and deaths of infants under One Year, together with its corresponding infant mortality rate, for each year since 1938 :—

	<i>Births</i>	<i>Deaths under 1 year.</i>	<i>Rate per 1,000 births.</i>
1938	643	45	70
1939	623	41	65
1940	686	33	48
1941	676	48	71
1942	701	51	73
1943	697	42	60
1944	802	26	32
1945	656	36	55
1946	741	35	47
1947	800	37	46

Causes of Deaths of Infants under One Year.

The following are the ages and causes of deaths of children under one year of age during the year 1947 :—

	Age (1 hour to 24 hours)		
1	4 hours	M.	Anencephaly.
2	8 hours.	M.	Prematurity.
3	12 hours.	F.	"
4	14 hours.	M.	"
5	1 day.	F.	"
6	1 day	F.	Heart Failure
7	1 day	M.	Prematurity
8	2 days	M.	Melaena Neonatorum
9	3 days	F.	Prematurity
10	3 days	F.	Spina Bifida
11	5 days	F.	Severe Spina Bifida
12	1 week	F.	Haemorrhage of the New Born
13	1 week	M.	Prematurity
14	1 week	F.	Acute Bronchitis
15	10 days	F.	Generalised Peritonitis
16	3 weeks	F.	Prematurity
17	1 month	M.	Pyloric Stenosis
18	1 month	M.	Post basic meningitis
19	1 month	M.	Convulsions
20	2 months	F.	Asphyxia (<i>Accident</i>)
21	2 months	F.	Convulsions
22	3 months	M.	"
23	3 months	M.	Toxaemia
24	4 months	F.	Broncho Pneumonia
25	4 months	F.	Intussusception
26	4 months	F.	Meningitis
27	5 months	F.	Concussions
28	5 months	F.	Convulsions
29	5 months	M.	Broncho Pneumonia
30	6 months	F.	Heart Failure
31	6 months	M.	Broncho Pnuemonia
32	7 onths	M.	Convulsions
33	7 months	F.	Acute Nephritis
34	7 months	M.	Broncho Pneumonia
35	8 months	M.	Obstructive Jaundice
36	9 months	F.	Broncho Pneumonia
37	10 months	M.	Convulsions

Birth-rates, Civilian Death-rates, Analysis of Mortality, Maternal Mortality and Case Rates for Certain Infectious Diseases in the Year 1947. Provisional Figures based on Weekly and Quarterly Returns.

	<i>England and Wales.</i>	<i>126 C.B.'s and Gt. Towns, including London.</i>	<i>148 Smaller Towns—resident pop. 25,000—50,000 at 1931 Census.</i>	<i>London Adm. County.</i>	<i>Neath Rural District.</i>
<i>Rates per 1,000 Civilian population :—</i>					
Live Births	20.5	23.3	22.2	22.7	19.9
Still Births	0.50	0.62	0.54	0.49	0.62
<i>Deaths :—</i>					
All Causes	12.0	13.0	11.9	12.8	11.7
Typhoid and Para-Typhoid	0.00	0.00	0.00	0.00	0.00
Scarlet Fever	0.00	0.00	0.00	0.00	0.00
Whooping Cough	0.02	0.03	0.02	0.02	0.00
Diphtheria	0.01	0.01	0.01	0.01	0.00
Influenza	0.09	0.09	0.08	0.08	0.15
Smallpox	0.00	0.00	0.00	0.00	0.00
Measles	0.01	0.02	0.02	0.01	0.00
<i>Rates per 1,000 live births :</i>					
Deaths under 1 year of age	41	47	36	37	46
Deaths from Diarrhoea and Enteritis under 2 years of age	5.8	8.0	3.7	4.8	3.75
<i>Rates per 1,000 Civilian Population :—</i>					
<i>Notifications :</i>					
Typhoid Fever	0.01	0.01	0.00	0.01	0.00
Para-Typhoid Fever	0.01	0.01	0.01	0.01	0.00
Cerebro Spinal Fever	0.05	0.06	0.05	0.05	0.05
Scarlet Fever	1.37	1.54	1.37	1.31	1.22
Whooping Cough	2.22	2.41	2.02	2.80	1.07
Diphtheria	0.13	0.15	0.14	0.14	1.02
Erysipelas	0.19	0.21	0.18	0.22	0.09
Smallpox	0.00	0.00	0.01	0.00	0.00
Measles	9.41	9.13	9.58	5.29	13.25
Pneumonia	0.79	0.89	0.68	0.64	1.66
<i>Rates per 1,000 Total Births (Live and Still) :</i>					
<i>Notifications :</i>					
Puerperal Fever	7.16	8.99	6.27	(1.21	1.21
Puerperal Pyrexia				(6.94 *	
1 per 1000 related births					

* Including Puerperal Fever.

Maternal Mortality :—England and Wales :

Abortion with Sepsis	0.10	Abortion without Sepsis	0.06
Puerperal Infections	0.16	Other	0.85

Maternal Mortality :—Neath Rural District :—

Abortion with Sepsis	NIL	Abortion without Sepsis	NIL
Puerperal Infections	NIL	Other	4.85

Abortion :—Mortality per million women aged 15—45—England and Wales :—

No. 140 With Sepsis	9	No. 141 Without Sepsis	5
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(d) Clinics and Treatment Centres.

The following are particulars relating to existing Centres in the area :—

Name.	Situation.	Nature of Accommodation.	By whom provided.	Purposes for which used.
Glynneath	Infant Welfare Centre, Addoldy Road	Pram Shelter. Waiting Room. Disrobing and Weighing Room. Medical Officer's Room. Nurses' Room. Testing Room. Kitchen. Lavatories, etc., for Staff and Patients.	Neath Rural District Council.	Infant Welfare and Ante-Natal Clinics.
Seven Sisters	Infant Welfare Centre, Mary Street	do.	do.	do.
Skewen	Infant Welfare Centre, Cefn Park	do.	do.	do.
Resolven	Miners' Welfare Hall	Two Rooms	do.	Infant Welfare Clinic.
Aberdulais	Baptist Chapel Vestry	Two Rooms	do.	do.
Efail Fach	"Y Gangen Chapel"	One Room (<i>partitioned</i>)	do.	do.
Onllwyn	Miners' Welfare Hall	Three Rooms	do.	do.
Neath	15, Orchard Street	Two Rooms	do.	Ante-Natal Clinic.
Bryncoch	St. John's Ambulance Hall.	Two rooms	do.	Infant Welfare Clinic.
Rhigos	Croesffordd Hostel	Three Rooms	do.	do.

The following Table gives details of the attendances at each Centre during the year :—

CENTRE.	Total Attendances.		First Visits.		Number who attended during the year and who at the end of the year were :—	
	Children under One year.	Children One to Five years.	Children under One year.	Children One to Five years.	Children under One year.	Children One to Five years.
Skewen	486	197	129	18	103	114
Seven Sisters	512	173	80	5	43	66
Pontrhydyfen	60	24	10	—	5	10
Aberdulais	617	96	63	10	39	56
Resolven	314	124	8)	12	45	68
Glyn Neath	553	224	108	13	94	109
Onllwyn	252	47	37	5	22	38
Bryncoch	95	24	23	12	12	16
Rhigos	8	6	6	6	3	4
TOTALS	2897	914	536	81	366	481

Ante-Natal Centres.

Monthly sessions are held at each of the following centres :—

- (1) Clinic, Addoldy Road, Glynneath.
- (2) Clinic, Mary Street, Seven Sisters.
- (3) Clinic, Cefn Parc, Skewen.
- (4) Health Dept., 15 Orchard Street, Neath.

The total attendances at these Centres during the year were :—

(a) Total number of Expectant Mothers who attended	.....	.....	.....	108
(b) Total number of attendances by Expectant Mothers	.....	.....	.....	194

The number of maternity cases admitted to West Glamorgan Hospital was 50. Two cases were admitted to Tydfil Lodge, Merthyr Tydfil.

Health Visitors.

There are four Health Visitors employed by the Council and the following is a summary of the work done by them during the year :—

VISITS TO EXPECTANT MOTHERS :—				
First Visits	169.	Total Visits	246.	
VISITS TO CHILDREN UNDER 1 YEAR :—				
First Visits	741.	Total Visits	2724.	
VISITS TO CHILDREN 1 TO 5 YEARS :—				
Total Visits 2705.				
VISITS TO INVESTIGATE STILL BIRTHS				30
VISITS TO CASES OF OPTHALMIA NEONATORUM				2
MISCELLANEOUS VISITS				18
GRAND TOTAL OF VISITS				<u>5725</u>

Child Life Protection.

There were no persons in the area receiving children for reward at the end of the year.

Other Facilities under Maternity and Child Welfare Scheme.

By arrangement with the Glamorgan County Council the treatment of tonsils and adenoids, dental and ophthalmic cases is carried out by the appropriate officers of that Council, a scale of charges for such cases being agreed between the two authorities. The following cases were treated during the year :

Tonsils and Adenoids	.....	.....	.....	.....	2
Dental Treatment :—					
(a) Expectant Mothers	.....	.....	.....	.....	29
(b) Children	.....	.....	.....	.....	1

Cod Liver Oil and Fruit Juices.

Officers of the local office of the Ministry of Food attend at all the child welfare clinics in the area for the purpose of distributing cod-liver oil and fruit juices and dried milk in accordance with the regulations of the Ministry of Food.

Hospitals, Maternity and Midwifery Services.

There are no public or voluntary general Hospitals in the area. The majority of patients in the area needing Hospital treatment are provided for at either the Swansea General Hospital or the West Glamorgan County Hospital at Neath.

Provision is made by arrangement with the Glamorgan County Council for the admission of maternity cases to the West Glamorgan County Hospital, Neath. The Neath Rural area was allowed to admit four such cases each month, a figure entirely inadequate but which could not be increased owing to limited accommodation at the Hospital.

During 1948 this figure was increased to 24 cases per month, this increase being due to the completion and opening of a new maternity ward at the West Glamorgan Hospital, Neath.

Home Helps Scheme.

The above scheme was adopted by the Council during the year and provides for the provision of a Home Help for confinements at home.

It was decided to appoint 20 intermittent Helpers to be allocated for the following areas :—

Rhigos and Hirwaun	1	Glynneath and Pontwalby	2
Cwmgwrach	1	Resolven, Melincourt, Clyne and Abergarwed	2
Aberdulais, Tonna, Cefnyralt and Ynis-ygerwn	2	Bryncoch, Cadoxton and Cilfrew	2
Onllwyn and Banwen	2	Seven Sisters	2
Crynant	1	Skewen and Neath Abbey	4
Tonmawr and Pontrhydyfen	1		

It was found however, after extensive advertisement that sufficient helpers of a suitable type were not forthcoming and only three persons were appointed as Home Helpers, one of whom resigned at the end of the year.

Number of cases where Home Help was provided during the year :—
1947

4

III.—SANITARY CIRCUMSTANCES OF THE AREA.

The Ystradfellte Water Scheme is the principal supply in the area, serving some 92% of the total houses in the area. This water is chlorinated and is excellent as regards both quality and quantity.

A small portion of the area is supplied from the Llynfawr Reservoir and the scattered farms and cottages obtain their water from springs, wells, etc.

Some 84% of the houses in the area are connected to the Council sewers, the remaining 16% being found chiefly in the Parishes of Rhigos, Neath Lower, Clyne and Baglan Higher.

Schemes have been prepared for the construction of sewers in the Parishes of Clyne, Rhigos and Neath Lower and it is pleasing to note that during 1948, work has commenced on the sewerage of the Parish of Clyne. It is to be hoped that all these schemes will soon be under way and that eventually every possible house in the area will be connected to a public water supply and also sewerage.

I have mentioned in many previous Reports the primitive sanitary conditions which exist in some parts of the area. I am glad that steps, long overdue, are now being taken to remedy them and whilst I shall not see their completion as your Medical Officer of Health, I would urge you as a Council, to keep this all important feature of your work, ever in your minds.

(a) Water.

The following monthly rainfall was recorded at Ystradfellte during 1947 :—

January	6.69 inches
February	0.94 inches
March	13.28 inches
April	7.29 inches
May	3.22 inches
June	3.90 inches
July	5.04 inches
August .....	.85 inches
September	4.64 inches
October	1.78 inches
November	11.65 inches
December	9.11 inches
Total	68.30 inches

The following Table gives the various sources of water supply, together with the number of houses served by each supply in each District, Valley, Parish and Ward :—

DISTRICTS AND PARISHES.	Ystrad-fellte Water Scheme.	Llynfawr Reservoir.	Mr. Bevan's Private Reservoir.	Neath Borough Reservoir.	Springs, Wells, etc.	Without Water Supply.	Total.
DULAIS VALLEY :							
Dulais Higher (Crynant Ward	365	0	0	0	21	0	386
(Seven Sisters Ward	624	0	23	0	18	0	665
(Onllwyn Ward	518	0	0	0	7	0	525
Dulais Lower	305	0	0	0	41	0	346
							—1922
NEATH VALLEY (Non-Tidal Portion)—							
Rhigos	78	356	0	0	27	0	461
Neath Higher	1114	0	0	0	63	2	1179
Blaengwrach	195	0	0	0	21	0	216
Resolven (Resolven Ward	686	0	0	0	24	1	711
(Cwmgwrach Ward	249	0	0	0	6	1	256
Neath Lower	99	0	0	0	14	0	113
Clyne	226	0	0	0	7	0	233
							—3169
NEATH VALLEY (Tidal Portion) :							
Tonna	401	0	0	4	41	0	446
Blaenhonddan	1011	0	0	0	41	0	1052
Dyffryn Clydach	517	0	0	0	33	1	551
Coedffranc	2466	0	0	0	20	0	2486
							—4535
AFAN VALLEY :							
Baglan Higher	113	0	0	0	5	0	118
Michaelstone Higher	266	0	0	0	17	0	283
							—401
TOTALS	9233	356	23	4	406	5	10027

The following Table gives the percentage of houses on the various water supplies in the area :—

DISTRICT.	Ystrad-fellte Water Scheme.	Llynfawr Reservoir.	Mr. Bevan's Private Reservoir.	Neath Borough Reservoir.	Springs, Wells, etc.	Without Water Supply.
DULAIS VALLEY— Comprising Dulais Higher and Dulais Lower	94.3	0.0	1.2	0.0	4.5	0.00
NEATH VALLEY—(Non-Tidal Portion)— Comprising Rhigos, Neath Higher, Blaengwrach, Resolven, Neath Lower and Clyne	83.6	11.2	0.0	0.0	5.2	0.0
NEATH VALLEY—(Tidal Portion)— Comprising Tonna, Blaenhonddan, Dyffryn Clydach and Coedffranc	96.91	0.0	0.0	0.1	2.97	0.02
AFAN VALLEY— Comprising Baglan Higher and Michaelstone Higher	94.5	0.0	0.0	0.0	5.5	0.0
TOTALS—N.R.D.C.	92.08	3.55	0.23	0.04	4.05	0.05

The following are results of water analyses during the year :—

<i>No.</i>	<i>Source.</i>	<i>Bacteriological Examination</i>	<i>Chemical Examination</i>
1.	Tap, 8 Gordon Terrace, Onllwyn.	Ystradfellte	Satisfactory
2.	3 Evans Terrace, Pontrhydyfen	"	"
3.	Rose Cottage, Seven Sisters	"	"
4.	Gwalia Cafe, Glynneath	"	"
5.	Hyfrydfa, Glynneath Road	Resolven	"
6.	Office Row, Aberdulais	"	Doubtful bacterial purity.
7.	15 Siding Terrace, Skewen	"	Moderate bacterial purity.
8.	5 Maesgwyn, Tonmawr	Tonmawr supply	Satisfactory
9.	Brynteg House, Tonna	Ystradfellte	"
10.	1 Whitehart Terrace	Glynneath	"
11.	Frondeg, Pencynor	Cilfrew	"
12.	23 Burrows Road, Skewen	"	"
13.	16 Elba Crescent, Crymlyn	"	"
14.	Ystradfellte Reservoir Overflow	"	Moderate bacterial purity. Chemical and physical characters are fairly satisfactory.
15.	Waterworks Lodge	Ystradfellte	Satisfactory
16.	Bronwydd, Pontneathvaughan	"	"
17.	Hyfrydfa, Glynneath Road, Resolven	"	"
18.	Queens Road, Skewen	"	"
19.	41 Tonmawr Road	Pontrhydyfen	"
20.	School Cottage, Bryncoch	"	"
21.	Tap, Dyffryn Cellwen	"	"
22.	Cilgwyn Villas, Tonmawr	Blaenavon Springs	"
23.	2 Halt Close, Rhigos	Llynfawr	"
24.	Pentwyn Farm, Skewen	Well	Satisfactory though total organisms rather high. Moderate organic purity.
25.	Rock House, Skewen	Ystradfellte	Satisfactory
26.	Forchdwm Uchaf, Tonmawr	Storage Tank from Spring.	"
27.	Rear of Cadoxton Laundry, Cadoxton	Stream	Contaminated
28.	Aelybryn, Bryncoch	Ystradfellte	Satisfactory
29.	2 Glasfryn, Crynant	"	"
30.	13 Nantycafn Terrace, Seven Sisters	"	"
31.	2a Bethlehem Road, Skewen	"	"
32.	Pentreclwyda Farm, Glynneath	Mountain Spring	Fairly Satisfactory
33.	3 Maeshir, Terrace, Glynneath	Ystradfellte	Satisfactory
34.	Danygraig, Cwmgwrach	"	"
35.	3 Woodland Road, Crynant	"	"
36.	3 Howells Terrace, Cadoxton	"	"
37.	Ty-ar-fryn House, Cilfrew	Spring-Cilfrew supply	"
38.	6 Cromwell Terrace, Neath Abbey	Ystradfellte	"
39.	13 Highland Crescent, Skewen	"	"

40. Llwyneithin, Dyffryn Onllwyn	Ystradfellte	Satisfactory	
41. 20 Minycoed, Glynneath	"	"	
42. 7 Elias Row, Bryncoch	"	"	
43. 9 Main Road, Cadoxton	"	"	
44. Hyfrydfa, Resolven	"	"	
45. Tralee, Tonna	"	"	Moderate organic purity.
46. Golf House, Cadoxton	Spring	"	No organic contamination.
47. Nr. Colliery Stables, Aberpergwm	Spring	Moderate	
48. Dulais Farm, Aberdulais	"	Fairly Satisfactory	
49. Danlan Farm' Tonna	Spring	Moderate purity with total organisms numerous.	
50. Park Avenue Skewen	Ystradfellte	Satisfactory	
51. Aelybryn, Resolven	"	"	Satisfactory
52. Danlan Farm, Tonna	Pond	"	"
53. 1 Croft Neath Abbey	Ystradfellte	"	
53. 3 Bridge Cottages Cwmgwrach	"	"	
54. Oakfield House, Nantycafn, Seven Sisters	"	"	
55. Transport Cafe, Rhigos	Llynfawr	"	
56. 1 Railway Terrace Tonmawr	Tonmawr Supply	"	
57. 41 Cadoxton Terrace, Cadoxton	Ystradfellte	"	
58. 3 Ynisgyerwn Crescent, Aberdulais	"	"	
59. 7 Gould Farm Site, Crynant.	"	"	
60. 7 John Street Resolven	"	"	
61. 22 Queens Road Skewen	"	"	
62. Nantyarlan Neath Abbey	"	"	
63. 8 Heolmarchog Banwen	"	"	
64. 4 Oddfellows Street Glynneath	"	"	
65. Laburnam Bryncoch	"	"	
66. Tudor House Resolven	"	"	
67. 6 Aberhenwaun Seven Sisters	"	"	
68. 36 Cadoxton Tce., Cadoxton	"	"	
69. Ty-y-felin Melincourt	"	"	
70. 16 Old Road Skewen	"	"	
71. 10 Church Crescent, Cwmgwrach	"	"	
72. Hyfrydfa, Resolven	"	"	
73. Glyn House, Penywern Neath	"	"	
74. Brynna Farm, Tonna	Spring	Fairly Satisfactory	Chemical and physical characters are satisfactory.
75. Ynysydw Farm, Crynant	Shallow Well	Unsatisfactory	Of unsatisfactory organic quality.
76. 38 Garden City, Seven Sisters	Ystradfellte	Satisfactory	
77. Brynhyfryd, Main Road, Aberdulais	"	"	
78. 2 Bottle and Glass Cottages, Bryncoch	"	"	
79. 3 Dulais Fach Cottages, Tonna	"	"	
80. 56 Siding Terrace Skewen	"	"	
81. 7 Mill Terrace, Glynneath	"	"	
82. Upper Cottages, Bryncoch	"	"	
83. 23 Edwards Terrace, Abergarwed	"	"	
84. Neath Road, Crynant	"	"	

(c) **Closest Accommodation.**

The following Table gives at a glance the position of each Parish as to the nature of its sanitary circumstances :—

DISTRICT	Structural Separate Dwellings.	Water Carriage System to Sewer	Water Carriage System to Cesspool & disused Pits	Water Carriage System to Rivers & Streams	Slop Water System only to Cesspool & Water Course	Houses without Drains	Pails	Privies	Houses without Closet accommodation
DULAIS VALLEY									
Dulais Higher (Crynant	386	359	4	0	11	12	16	7	0
(Seven Sisters	665	640	2	0	17	6	19	1	0
(Onllwyn Ward	525	512	2	0	8	3	10	4	0
Dulais Lower	346	302	7	0	23	14	30	7	0
Total	1922	1813	15	0	59	35	75	19	0
NON-TIDAL PORTION OF NEATH VALLEY :									
Rhigos	461	182	18	1	187	73	234	19	7
Neath Higher	1179	997	21	3	110	48	134	24	0
Blaengwrach	216	149	2	0	36	29	63	1	1
Resolven (Resolven Ward	711	656	11	0	35	9	42	2	0
(Cwmgwrach Ward	256	235	2	0	12	7	19	0	0
Neath Lower	113	0	10	0	92	11	96	7	0
Clyne	233	0	12	0	220	1	191	30	0
Total	3169	2219	76	4	692	178	779	83	8
TIDAL PORTION OF NEATH VALLEY :									
Tonna	446	386	15	1	24	20	39	4	1
Blaenhonddan	1052	910	36	0	86	20	86	17	3
Dyffryn Clydach	551	441	24	0	49	37	51	29	6
Coedffranc	2486	2411	18	0	36	21	51	6	0
Total	4535	4148	93	1	195	98	227	56	10
AFAN VALLEY :									
Baglan Higher	118	0	2	0	100	16	101	15	0
Michaelstone Higher	283	231	7	0	42	3	41	3	1
Total	401	231	9	0	142	19	142	18	1
GRAND TOTAL	10027	8411	193	5	1088	330	1223	176	19

Closest Accommodation. Percentage Basis.

The following Table gives the percentages of the sanitary circumstances of the houses in the area :—

DISTRICT.	Water Carriage System to Sewer	Water Carriage System to Cesspool & disused Pits	Water Carriage System to Rivers & Streams	Slop Water System only to Cesspool & Water Course	Houses without Drains	Pails	Privies	Houses without Closet accommodation
DULAIS VALLEY— Comprising Dulais Higher and Dulais Lower	94.33	0.78	0.00	3.07	1.82	3.90	0.99	0.00
NON-TIDAL PORTION OF NEATH VALLEY— Comprising Rhigos, Neath Higher, Blaengwrach, Resolven, Neath Lower and Clyne	70.02	2.39	0.12	21.83	5.64	24.60	2.62	0.25
TIDAL PORTION OF NEATH VALLEY— Comprising Tonna, Blaenhonddan, Dyffryn Clydach and Coedffranc	91.47	2.05	0.02	4.30	2.16	5.01	1.23	0.22
AFAN VALLEY— Comprising Baglan Higher and Michaelstone Higher	57.60	2.24	0.00	35.41	4.75	35.41	4.49	0.26
TOTALS—N.R.D.C.	83.88	1.93	0.05	10.85	3.29	12.20	1.75	0.19

(d) Rivers and Streams.

In the Neath and Dulais Valleys small coal from Colerries continues to enter the River Neath and Dulais. Once beautiful rivers are now black streams of water, and it is to be sincerely hoped that this practice will soon be discontinued and that the rivers will again be allowed to revert to their original state.

The following are results of analysis of sewerage and sewage effluents during the year :—

Results are stated in parts per 100,000.

Date Collected	Description of Sample	Organic Suspended Matter	Chlorine	Nitrogen as Nitrates	Nitrogen as Nitrites	Free Ammonia	Albuminoid Ammonia	Dissolved oxygen absorbed in 5 days at 65 F	Remarks
May 6	Crude Sewage, Crynant.	Moderate Amount	7.6	—	—	7.2	—	—	A crude sewage of average strength.
May 6	Effluent Crynant.	Moderate Amount	6.2	3.28	0.16	0.132	0.042	2.81	Efficient Purification.
June 27	Crude Sewage Resolven	Large Amount	6.8	—	—	5.0	—	—	A crude sewage of average strength.
June 27	Effluent Resolven.	26.2	5.1	Nil	Nil	4.910	0.700	20.8	Inefficient Purification.
June 27	Crude Sewage Glynneath	Moderate Amount	6.0	—	—	4.8	—	—	A crude sewage of average strength.
June 27	Effluent, Glynneath.	Small Amount	2.5	0.16	0.02	0.93	0.17	2.45	Fairly Efficient Purification.
August 29	Crude Sewage Crynant.	Moderate Amount	8.0	—	—	4.6	—	—	A crude sewage of average strength.
August 29	Effluent, Crynant.	Trace	4.1	0.62	0.06	0.560	0.140	0.80	Satisfactory.
Oct. 27	Crude sewage Crynant.	Small Amount	3.2	—	—	0.70	—	—	A very weak crude sewage
Oct. 27	Effluent, Crynant.	Trace	3.0	0.88	0.02	0.196	0.030	0.82	Satisfactory.

(e) Schools.

The sanitary conditions and water supply of Schools within the District are as follows :—

<i>School.</i>	<i>Source of Water.</i>	<i>Closet Accommodation.</i>
Aberdulais—Mixed	Ystradfellte Water Supply.	Water Carriage system to Sewer.
Aberdulais—Infants	do.	do.
Blaengwrach—Mixed	do.	do.
Blaengwrach—Infants	do.	do.
Bryncoch—Mixed	do.	do.
Bryncoch—Infants	do.	do.
Bryncoch (Non-provided)—Mixed & Infants	do.	do.
Cadoxton—Junior	do.	do.
Cadoxton—Senior	do.	do.
Cilfrew—Junior	do.	do.
Coedffranc—Boys	do.	do.
Coedffranc—Girls	do.	do.
Coedffranc—Infants	do.	do.
Skewen Lower—Boys	do.	do.
Skewen Lower—Girls	do.	do.

Clyne—Mixed	.....	.....	do.	Water carriage system to Cesspool.
Clyne—Infants	.....	.....	do.	do.
Crynant—Mixed	.....	.....	do.	Water carriage system to Sewer.
Crynant—Infants	.....	.....	do.	do.
Glyn Neath—Boys	.....	.....	do.	do.
Glyn Neath—Girls	.....	.....	do.	do.
Glyn Neath—Infants	.....	.....	do.	do.
Jersey Marine—Mixed	.....	.....	do.	do.
Jersey Marine—Infants	.....	.....	do.	do.
Maesmarchog—Mixed	.....	.....	do.	do.
Maesmarchog—Infants	.....	.....	do.	do.
Neath Abbey—Infants	.....	.....	do.	do.
Onllwyn—Mixed	.....	.....	do.	do.
Onllwyn—Infants	.....	.....	do.	do.
Resolven—Boys	.....	.....	do.	do.
Resolven—Girls	.....	.....	do.	do.
Resolven—Infants	.....	.....	do.	do.
Rhigos—Mixed	.....	Llynfawr Reservoir	do.	Pail Closet.
Rhigos—Infants	.....	do.	do.	do.
Seven Sisters—Boys	.....	Ystradfelite Water Supply	do.	Water carriage system to Sewer.
Seven Sisters—Girls	.....	do.	do.	do.
Seven Sisters—Infants	.....	do.	do.	do.
Tonna—Mixed	.....	do.	do.	do.
Tonna—Infants	.....	do.	do.	do.
Tonmawr—Mixed	.....	do.	do.	Pail Closet.
Tonmawr—Infants	.....	do.	do.	do.

(f) **Smoke Abatement.**

For a temporary period, power was generated at the Colliery Power Station at Cwmgwrach, with a repetition of the nuisance from grit being deposited in the area. During 1948 the working of this Power Station has again been discontinued and the nuisance has thus been remedied.

(g) **Public Cleansing.**

As previously reported to you, refuse in many parts of your area is still collected in open carts or lorries and is dumped indiscriminately at numerous points throughout the area. These refuse dumps had for years been insanitary and unsightly, but during the past eighteen months a labourer has been employed to keep them in a more sanitary condition, and in addition the dumps have been treated for rat destruction with very satisfactory results, as tips which were at one time very heavily infested with rats are now comparatively free from these rodents.

The dumps are now much tidier than in past years and are sprayed each year with a itps dressing containing D.D.T. But despite these improvements the old uncontrolled methods of dumping are still used and this together with the fact that these are for too many dumps of varying sizes throughout the area coupled with the old-fashioned methods of collection makes scavenging one of the least satisfactory of public services in your area.

(h) Sanitary Inspection of the Area.**(a) The number and nature of inspections made during the year are given below :—**

	<i>No.</i>
Houses inspected	807
Houses re-inspected	512
Overcrowding inspections	140
Owners or Contractors interviewed	92
Tents, Vans, Sheds and similar structures	6
Public Houses	65
Amusement Places	16
Schools	44
Bakehouses—Mechanical and Non-mechanical	73
Factories—Mechanical and non-mechanical	21
Workplaces other than Offices	3
Offices	3
Offensive Trades	3
Piggeries	127
Stables	60
Refuse Tips	220
Accumulations	192
Back Lanes	256
Sewers	9
Drains	75
Public Urinals	207
Cesspools	11
Water Courses	47
Water Supplies	125
Rat Infestations	138
Provision shops and stores	317
Butchers' shops and butchers' food preparing places	525
Greengrocers and Fishmongers	181
Fried Fish Shops	33
Restaurants, canteens, etc.	83
Food vehicles	142
Railway Stations re Food	1
Cowsheds, Dairies, Milkshops	173
Ice-cream premises, barrows, etc.	105
Infectious Diseases—Houses visited and Disinfected	152
Visits not classified	40
TOTAL	5,004

(b) The following is a summary of nuisances and defects remedied during the year :—**(1) HOUSES.**

Dampness abated	42
Walls repaired	5
Outside plastering repaired	19
Inside plastering repaired	44
Floors renewed or repaired	7
Roofs renewed or repaired	41
Chutes, downpipes, etc. renewed or repaired	43
Chimneys repaired	3
Ceilings repaired	30
Doors and frames renewed or repaired	4
Window sashes and frames renewed or repaired	10
Window cords renewed	32
Grates or ovens renewed or repaired	4
Boilers provided or repaired	3
Outbuildings repaired	3
Yard paving relaid or repaired	12
Water taps or pipes renewed or repaired	12
Houses treated for vermin	7
Nuisances from animals abated	5
Accumulations removed	73
Miscellaneous nuisances and repairs	12

(2) DRAINAGE.		
New drains constructed	.....	1
Drains relaid or repaired	.....	12
Drains cleansed	.....	17
Inspection or interception chambers provided or repaired	.....	2
Soil pipes or vent shafts fixed or repaired	.....	2
Gullies fixed or repaired	.....	7
Miscellaneous repairs	.....	3
(3) W.C.'s.		
New or additional W.C.'s provided	.....	1
W.C.'s reconstructed or repaired	.....	21
New pans and traps fixed	.....	17
W.C.'s cleansed	.....	12
Flushing apparatus provided	.....	1
Flushing apparatus repaired	.....	17
Miscellaneous repairs	.....	6
(4) EARTH OR PAIL CLOSETS.		
Cleansed or repaired	.....	8
(5) CESSPOOLS.		
Emptied	.....	5
(6) URINALS.		
Flushing apparatus fixed or repaired	.....	5
Miscellaneous repairs	.....	1
(7) AMUSEMENT PLACES.		
Additional W.C. accommodation provided	.....	1
Cleanliness improved	.....	1
(8) OFFENSIVE TRADES, PIGGERIES, STABLES, ETC.		
Accumulations removed	.....	30
(9) FRIED FISH SHOPS		
Washing up sinks provided	.....	1
Drainage improved	.....	1
Storage accommodation provided or improved	.....	1
New ranges fitted	.....	1
(10) FOOD SHOPS, CANTEENS, ETC.		
Accumulations removed or cleanliness improved	.....	17
Ashbins provided	.....	10
Drains laid, relaid repaired or cleansed	.....	3
Other repairs to walls, floors, etc.	.....	4
(11) FOOD VEHICLES.		
Warnings <i>re</i> general cleanliness, etc.	.....	8
(12) DAIRIES, COWSHEDS, MILKSHOPS, ETC.		
New cowsheds constructed	.....	1
Existing dairies improved	.....	2
Existing cowsheds improved	.....	4
Paving repaired	.....	5
Accumulations removed	.....	24
(13) ICE-CREAM PREMISES.		
Premises improved	.....	12
TOTAL		<u>675</u>

(c) Number of Notices served.

(i) Informal	.....	279
(ii) Statutory	.....	16
TOTAL		<u>295</u>

(d) Result of service of above Notices.

(i) Informal Notices complied with	.....	223
(ii) Statutory Notices complied with	.....	13
TOTAL		<u>236</u>

IV.—HOUSING.**(a) HOUSING SCHEMES.**

From 1918 to 1939 the Council built 800 houses in the area. From 1946 to December 1947 50 prefabricated bungalows 22 traditional houses have been occupied in this area.

(b) INSPECTION OF DWELLING HOUSES IN THE AREA DURING THE YEAR.

(i) Total number of dwelling houses inspected for housing defects (under Public Health or Housing Acts).....	807
(ii) Number of inspections made for the purpose.....	1319

(c) Remedy of defects during the year without service of formal notice 110

(d) ACTION UNDER STATUTORY POWERS DURING THE YEAR**(i) Proceedings under Public Health Act, 1936.**

(a) Number of dwellings in respect of which notices were served requiring repairs.....	16
(b) Number of dwellings which were rendered fit after service of formal notice.....	13

(e) RURAL HOUSING SURVEY

Up to December 1947 6876 houses have been inspected under the above survey as recommended in the Hobhouse Report. These houses have been classed as follows:—

Category 1. (Fit in all respects).....	2574
Category 2. (Minor defects only).....	3200
Category 3. (Needing repair, structural alterations or improvement). 620	
Category 4. (Unfit for habitation and beyond repair at reasonable cost).....	482
Total.....	<u>6876</u>

(f) OVERCROWDING.

Overcrowding continues in the area and has only been slightly improved by the building of new houses in the area. In addition very many hundreds of families although not overcrowded according to the standards of the Housing Act, 1936, live in apartments and are much in need of separate housing accommodation. During 1948, the building of new houses has been speeded up within the limits laid down by the Ministry but up to the time of writing this report some populated parts of the area have not been provided with one house. It is to be hoped that the next two or three years will show a greater number of houses being built, with the resulting decrease in overcrowding conditions and apartments.

V.—INSPECTION AND SUPERVISION OF FOOD.**(a) Milk Supply.**

During the year 173 visits were made to cowsheds and dairies. There are 138 registered milk producers in the area of whom 107 sell by retail and 31 wholesale. In addition 8 producers from outside the area retail milk within the area.

In addition to the above the following number of licences have been issued in the area by the appropriate authorities to sell milk under special designations:—

(1) TUBERCULIN TESTED & ACCREDITED MILKS.

(a) Licence in respect of establishment at which T.T. Milk is sold but not produced or bottled.....	1
(b) Licences in respect of premises at which Accredited Milk is produced.....	3
(c) Licence in respect of premises at which Tuberculin Tested milk is produced and bottled.....	1

(2) PASTEURISED MILK.

(a) Licence in respect of establishment in which process of pasteurisation is carried on.....	1
(b) Licenses in respect of shops at or from which pasteurised milk is sold but where process of pasteurisation is not carried on.....	5

During the year 21 samples of milk were collected for examination for Tubercle Bacilli. In each case the Bacillus was absent.

Milk produced in the area was also sampled during the year by officers of the Ministry of Agriculture and Fisheries Area Laboratory Swansea.

(b) Ice-Cream.

The following premises in the area are registered for the sale or manufacture and sale of ice-cream. :—

(i) For manufacture for purposes of sale of ice-cream.....	20
(ii) For sale of ice-cream.....	19

During the year details of the Ice Cream (Heat Treatment etc.) Regulations 1947 were circulated and explained to all manufacturers of ice-cream in the area. Much has been done to improve premises in the area during the year and plant for the treatment by heat of ice-cream has already been installed by many of the manufacturers although difficulty is being experienced by most of them in obtaining delivery of such appliances.

(c) Meat and Other Foods.

There was no slaughtering of animals at slaughterhouses in the area during the year. The following foodstuffs were surrendered as unsound at various shops in the area during the year :—

	lbs. ozs.
2 061 lbs. Imported Beef	2061 0
Six hundred and fifteen and a half pounds Home Killed Beef	615 8
117 lbs. Imported Lamb.	117 0
One hundred and seventy seven and three-quarter pounds Bacon.	177 12
742 lbs. Fish	742 0
100 lbs. Dried Peaches	100 0
100 lbs. Dried Prunes	100 0
45 lbs. Margarine	45 0
12 lbs. Sausages	12 0
143 T ns Meat (Various)	223 0
211 Tins Milk (Various)	181 7
84 Tins Vegetables and Soup	98 0
42 Tins Fish (Various)	22 1
38 Tins Jams and Preserves	37 8
23 Tins Sausages	29 4
11 Tins Fruit (Various)	22 14
18 Packets Semolina	18 0
17 Packets Pudding Batter	17 0
10 Packets Cake Flour	10 0
5 Packets Bun Flour	1 4
2 Tins Syrup	2 0
Dried Egg	4 9
5 lbs. Suet	5 0
10 Jars Pickles	7 6
1 Tin Spaghetti	1 0
47 Sausage Rolls	6 0
Sixteen and a quarter pounds of Boiled Sweets	16 4
12 lbs. 2 oz. Chocolates	12 2
Total	<u>4684 15</u>

= 2 Tons 1 Cwt. 92 lbs. 15 ozs.

VI.—PREVALENCE OF AND CONTROL OVER INFECTIOUS AND OTHER DISEASES.

The following table gives a comparison of the number of cases of Infectious Diseases notified during 1946 and 1947 :—

Year.	Scarlet Fever.	Diphtheria	Cerebro-Spinal Fever.	Whooping Cough.	Puerperal Fever.	Ophthalmia Neonatorum	Erysipelas	Pneumonia	Measles.	Enteric Fever.
1946	68	53	0	61	2	0	9	68	31	1
1947	49	41	2	43	1	0	4	67	534	0

During the year 240 specimens were examined with the following results :—

Nature of Specimen.	Number Examined.	Results.	
		Positive.	Negative.
Swab ? Diphtheria	214	0	214
Sputum ? T.B.	5	4	1
Blood for Midal	0	0	0
Blood for Malaria	1	0	1

Scarlet Fever.—There were 49 cases notified during the year. There were no deaths. The attack-rate was 1.22 per 1,000 of the population.

Diphtheria.—There were 41 cases notified during the year and no deaths. The attack-rate was 1.02 per 1,000 of the population.

Whooping Cough.—There were 43 cases of Whooping Cough notified during the year. There were no deaths. The attack-rate was 1.07 per 1,000 of the population.

Pneumonia.—There were 67 cases of Pneumonia notified during the year and 21 deaths. The attack-rate was 1.66 per 1,000 of the population and the death-rate 0.52.

Erysipelas.—There were 4 cases notified during the year. The attack-rate was .09 per 1,000 of the population.

Measles.—There were 534 cases notified during the year. The attack-rate was 13.25 per 1,000 of the population.

Notifiable Diseases (other than Tuberculosis).

The following table gives the incidence of Notifiable Infectious Diseases in the area during the year 1947, together with the number of cases admitted to Hospital and the number of deaths :—

Diseases.	Total Cases Notified.	Cases Admitted to Hospital.	Total Deaths.
Smallpox	0	0	0
Scarlet Fever	49	47	0
Diphtheria	41	41	0
Enteric Fever (including Paratyphoid)	0	0	0
Puerperal Fever	0	0	0
Pneumonia	67	1	21
Erysipelas	4	0	0
Encephalitis Lethargica	0	0	0

Notifiable Diseases—continued.

	Total Cases Notified.	Cases Admitted to Hospital.	Total Deaths.
Acute Poliomyelitis	9	9	0
Puerperal Pyrexia	1	0	0
Cerebro-Spinal Fever	2	2	1
Ophthalmia Neonatorum	0	0	0
Whooping Cough	43	0	0
Measles	534	0	0
Dysentery	0	0	0
Malaria (contracted abroad)	0	0	0

The Table given below shows the age distribution of notified Infectious Diseases :—

Diseases.	All Ages.	Under 1 yr.	1-	2-	3-	4-	5-	10-	15-	25-	35-	45-	65 & over.
Scarlet Fever	49	0	1	3	5	2	13	18	5	1	1	0	0
Diphtheria	41	0	1	0	1	3	8	8	8	7	3	2	0
Pneumonia	67	4	10	8	6	6	5	1	4	2	4	13	4
Erysipelas	4	0	0	0	0	0	0	0	0	0	0	0	0
Cerebro Spinal Fever	2	0	0	2	0	0	0	0	0	0	0	0	0
Whooping Cough	43	5	7	8	5	5	11	2	0	0	0	0	0
Measles	534	14	46	71	71	96	195	26	10	5	0	0	0
Poliomyelitis	9	0	0	1	2	3	2	0	0	1	0	0	0
Pueperal Pyrexia	1	0	0	0	0	0	0	0	0	1	0	0	0

Number of Deaths.

The following Table shows the number of deaths from Infectious Diseases during the year as well as age-distribution :—

Diseas .	All Ages.	Under 1 yr.	1-	2-	3-	4-	5-	10-	15-	25-	35-	45-	65 & over
Pneumonia	21	6	0	0	0	0	0	0	1	1	0	1	12
Cerebro Spinal Fever.....	1	0	0	1	0	0	0	0	0	0	0	0	0

The following Table shows the incidence of Scarlet Fever, Diphtheria, Enteric Fever, Erysipelas, Cerebro-Spinal Fever, Whooping Cough and Measles during recent years :—

Year.	Scarlet Fever.	Diphtheria.	Enteric Fever.	Erysipelas.	Cerebro- Spinal Fever.	Whooping Cough.	Measles.
1938	2.18	3.05	0.04	0.09	—	—	—
1939	1.06	2.40	0.08	0.23	—	—	—
1940	0.40	2.30	0.00	0.30	—	—	—
1941	0.94	2.45	0.02	0.14	0.57	2.05	17.36
1942	3.33	2.67	0.00	0.12	0.20	1.77	9.35
1943	1.63	3.16	0.00	0.17	0.02	3.59	6.98
1944	3.74	1.67	0.00	0.20	0.02	1.45	6.35
1945	2.75	1.49	0.00	0.17	0.00	0.60	7.68
1946	1.60	1.22	0.02	0.22	0.00	1.52	0.77
1947	1.22	1.02	0.00	0.09	0.05	1.07	13.25

The following Table gives the Parish Distribution of cases of Infectious Diseases notified during the year :—

	Scarlet Fever	Diph- theria	Pneu- monia (all forms)	Erysip- elas	Whoop- ing Cough	Measles	Dysen- tery	Pari- typhoid	Puerp- eral Pyrexia	Puerp- eral Fever	Tuberculosis	
											Pulmon- ary	Non- Pulmon- ary
DULAIS VALLEY :												
Parish of Dulais Higher	12	16	0	0	0	3	0	0	0	0	6	1
Parish of Dulais Lower	2	8	0	0	0	0	0	0	0	0	1	0
TOTAL	14	24	0	0	0	3	0	0	0	0	7	1
NON-TIDAL PORTION OF NEATH VALLEY :												
Parish of Rhigos	2	0	4	1	7	11	0	0	0	0	2	0
Parish of Neath Higher	5	1	12	1	7	133	0	0	0	0	11	4
Parish of Blaengwrach	3	0	6	0	3	6	0	0	0	0	2	1
Parish of Resolven	6	1	5	2	5	21	0	0	0	0	6	1
Parish of Neath Lower	0	0	1	0	0	5	0	0	0	0	0	0
Parish of Clyre	1	0	3	0	1	31	0	0	0	0	0	0
TOTAL	17	2	31	4	23	207	0	0	0	0	21	6
TIDAL PORTION OF NEATH VALLEY :												
Parish of Tonna	0	5	0	0	0	3	0	0	0	0	4	0
Parish of Blaenhonddan	3	0	1	0	3	29	0	0	0	0	6	1
Parish of Dyffryn Clydach	4	5	9	0	1	27	0	0	0	0	1	1
Parish of Goedfranc	11	4	25	0	16	219	0	0	0	0	14	2
TOTAL	18	14	35	0	20	278	0	0	0	0	25	4
AFAN VALLEY :												
Parish of Baglan Higher	0	1	0	0	0	13	0	0	1	0	1	0
Parish of Michaelstone Higher	0	0	1	0	0	33	0	0	0	0	0	0
TOTAL	0	1	1	0	0	46	0	0	1	0	1	0
TOTAL OF ALL PARISHES												
	49	41	67	4	43	534	0	0	1	0	54	11

Diphtheria Immunisation.

The work of immunisation was continued during the year when the following numbers of children were immunised :—

Age at Date of Final Injection.		Total under 15.
0—4 years.	5—15 years.	
504	59	563

The following Table shows the number of children resident within the area who had completed a full course of immunisation at any time up to 31st December, 1947 :—

Age at 31/12/47.	Under 1	1	2	3	4	5—9	10—14	Total.
Number Immunised	54	261	356	495	451	2346	1948	5911

The following table shows the number immunised, estimated child population and the percentage of children immunised in the area :—

Age Group.	1—4 Years.	5—15 Years.
Estimated Child Population	3400	5890
Number Immunised	1617	4294
Percentage Immunised	47.0	72.0

Of the 41 cases of Diphtheria notified during the year, 26 were under 15 years of age. Of these 26 cases, 11 had been previously immunised. There was no death during the year.

(b) **Tuberculosis.**—The following Table shows particulars of new cases of Tuberculosis and of deaths from the disease in the area during 1947 :—

Age Periods.	New Cases Notified.				Deaths.			
	Pulmonary.		Non-Pulmonary.		Pulmonary.		Non-Pulmonary.	
	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
0 Year to 1 Year	0	0	0	0	0	0	0	0
1 Year to 5 Years	0	0	1	1	0	0	0	0
5 Years to 10 Years	0	0	1	0	0	0	1	0
10 Years to 15 Years	3	0	1	2	0	0	0	1
15 Years to 20 Years	6	7	1	1	0	1	0	2
20 Years to 25 Years	5	12	0	0	0	3	0	0
25 Years to 35 Years	3	9	1	0	1	1	0	0
35 Years to 45 Years	4	3	1	0	3	0	0	1
45 Years to 55 Years	0	1	0	1	2	2	0	0
55 Years to 65 Years	1	0	0	0	2	0	1	0
65 Years and upwards	0	0	0	0	0	1	0	0
Totals	22	32	6	5	8	8	2	4

The death rates from Tuberculosis (since 1937) are shown in the following Table :—

	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947
General Death-rate	11.3	11.2	12.0	11.4	12.7	11.7	11.1	10.6	11.5	11.2	11.7
Pulmonary Tuberculosis	0.49	0.59	0.46	0.68	0.52	0.53	0.66	0.63	0.53	0.45	0.39
Tuberculosis (Other Forms)	0.19	0.12	0.05	0.17	0.27	0.12	0.13	0.18	0.12	0.15	0.15
Tuberculosis (All Forms)	0.68	0.71	0.51	0.85	0.79	0.65	0.79	0.81	0.65	0.60	0.54

Scabies.

Treatment of persons from the Neath Rural Area suffering from Scabies is carried out at the Neath Borough Clinic at Dyfed Road, Neath, at a charge of three shillings per case. During the year 67 such cases received treatment.

