

[Report 1947] / Medical Officer of Health, Dunbarton County Council.

Contributors

Dunbartonshire (Scotland). County Council.

Publication/Creation

1947

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COUNTY COUNCIL OF DUNBARTON

ANNUAL REPORT - 1947

CORRIGENDUM

On page 10 the table showing period elapsing between notification and death, and between discharge from institution and death, in respect of deaths from Tuberculosis, should be read as amended.

	PULMONARY	NON-PULMONARY
	Male Female	Male Female
Not notified or notified at or after		

do. from 1 to 2 years . . .	3	3	-	-
do. from 2 years . . .	10	12	1	-
TOTALS	19	27	3	5
Number who died within 28 days after discharge from an Institution	-	1	-	-
Number who died more than 28 days after discharge from an Institution	5	9	1	-

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COUNTY COUNCIL OF DUNBARTON.



ANNUAL REPORTS

BY

SAMUEL HARVEY, M.B., Ch.B., D.P.H., M.R.C.P.(Edin.)

MEDICAL OFFICER OF HEALTH

THE COUNTY SANITARY INSPECTORS

AND

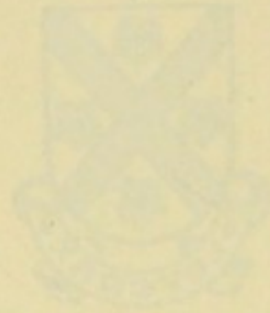
THE COUNTY ENGINEER

FOR

THE YEAR 1947

GLASGOW :

WILLIAM HODGE & CO., LTD., 34-36 NORTH FREDERICK STREET
1948.



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County of Dunbarton : Public Health Department.

LIST OF STAFF as at 31st DECEMBER, 1947.

County Medical Officer.

SAMUEL HARVEY, M.B., Ch.B., D.P.H., M.R.C.P.(Ed.).

Depute County Medical Officer.

JAMES P. M. M'CAREY, M.B., Ch.B., D.P.H.

The Medical Officer and Depute Medical Officer are also Tuberculosis Officer and Depute Tuberculosis Officer respectively.

The School Medical Officers—Dr. M. M. L. CATHELS, Dr. A. D. COWAN, Dr. E. CUSH (commenced 1/5/47), have been appointed Assistant Medical Officers of Health for purposes of administration.

County Sanitary Inspectors.

(Eastern Area.)

JOHN D. M'KENDRICK.

(Western Area.)

THOMAS ALLAN.

Depute County Sanitary Inspectors.

WILLIAM ARTHUR.

WILLIAM B. SAMSON.

Assistant Sanitary Inspectors.

A. LAWSON RIDDELL.

JOHN DUNN.

JOSEPH C. MORTON.

JAMES G. WATSON.

WILLIAM D. SCOTT (com. 16/5/47)

NEIL MACDONALD.

THOMAS MUNN.

ROBERT FORRESTER.

ROBERT MATHIE.

Milk Officers.

FLORA D. CALDER.

ISOBEL STEWART.

Housing Supervisors.

MARGARET BLACK.

Mrs. A. STUART (commenced 16/1/47).

County Engineer.

MALCOLM ROSS

Depute County Engineers.

JOHN NICOLSON.

JOHN C. RAMSAY, M.C.

Assistant Engineers.

JAMES C. MACKENZIE.

W. L. MERRILEES (com. 3/3/47).

H. S. MACDONALD.

W. B. M'PHEDRAN.

DAVID M'LAULAY.

PETER M'FARLANE.

J. C. M'INTOSH.

MAURICE F. M'QUEEN.

WILLIAM C. BELL.

R. G. MACWILLIAM.

D. H. ANDERSON (com. 6/1/47).

D. G. M'KECHNIE (com. 3/3/47).

T. S. WEIR.

W. STORRIE.

H. G. WILSON (resigned 16/9/47).

G. M'FARLANE.

I. ROBERTSON (com. 25/8/47).

H. CLEARIE (com. 15/9/47).

S. G. MACKENZIE (com. 15/9/47.)

Inspector of Works.

ALLAN SCOTT.

JAMES GRAHAM.

LIST OF STAFF—Continued.

Health Visitors.

(Eastern Area.)

CHRISTINA S. L. KING.
 CATHERINE T. GAVIN.
 MARY DAVIDSON.*^(a)
 MARION MACDONALD.*^(a)
 MARGARET Y. MILLER (com. 3/3/47).
 Mrs. C. DEMPSEY (com. 16/11/47).

(Western Area.)

MARGARET G. MACDONALD.*^(b)
 ELSIE M. RANKIN.
 ELIZABETH A. SANDILANDS.
 MARGARET CALLANDER.
 C. W. BENNIE (resigned 6/11/47).
 JANET S. CLARK.*^(c)
 MARY CALLAGHAN (com. 1/2/47).
 JANET M. SIMPSON.*^(d)

* District Nurses: employed part time.

(a) Burgh of Milngavie. (b) Burgh of Cove and Kilcreggan. (c) Arrochar District.
 (d) Luss and Arden.

*Midwifery Staff: Maternity Services (Scotland) Act, 1937.**Supervisor of Midwives.*

CHRISTINA J. MAITLAND.

Midwives.

JANE R. RITCHIE.
 MARGARET MACDONALD.
 ELIZABETH A. SMITH,

MARY SMITH.
 JOAN WATERHOUSE.
 AGATHA BROWN.

Clerical Staff.

JAMES CAMPBELL (Chief Clerk in Central Office).
 JOSEPH BAIRD (Chief Clerk at 24 George Square).
 CHRISTINA M'GREGOR (Chief Clerk in Alexandria Office).

CHRISTINA M'GLASHAN.¹
 MARGOT M'KEAN.¹
 ANNE K. HALL.¹
 LOUIS M'GOUGAN.¹
 ISOBEL STALKER.¹
 ELIZABETH C. LANG.¹
 MARY M. BUCHANAN.¹
 AGNES C. KINLOCH (resd. 21/9/47)
 JESSIE M. HYND.¹
 JANET M'MANUS.¹
 ELIZABETH M'LEAN.¹

MARY C. HENDERSON.¹
 CATHERINE FOGGO¹ (com. 16/10/47,
 resigned 23/12/47)
 SARAH A. F. CORNOCK.²
 MARJORIE A. M'FETRIDGE.²
 MARY D. BLACKWOOD.² (resd. 15/9/47)
 ELIZ. M. COCHRAN.² (com. 16/10/47)
 CHRISTINA Y. MANSON.²
 ELIZ. F. M'KECHNIE.²
 ELIZ. W. JENKINS.²
 DOROTHY P. HAIG.² (com. 18/8/46)
 J. ISOBEL M'CONNELL.³

¹ Clerks in the Central Office.² Clerks in the Public Health Office, Glasgow.³ Clerks in the Public Health Office, Alexandria.*County Analysts.*

Messrs. TATLOCK & THOMSON, 156 Bath Street, Glasgow.

Record of War Service.

W. C. Bell, 9/11/42—12/1/47.

G. M. MacFarlane, 10/10/46, still serving.

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*To the Department of Health for Scotland and
the County Council of the County of
Dunbarton.*

LADIES AND GENTLEMEN,

I herewith submit the Annual Report on the Health and Sanitary Conditions of the County for the year 1947.

The impending legislation under the National Health Service (Scotland) Act, 1947, makes it difficult to foresee the course of Public Health in future years but it is quite obvious that there will be a greater emphasis laid on local welfare services.

If one criticism may be made of the proposed services, it is the bewilderment of the ordinary citizen as to where to apply for information and help. If unified local administration is not to be the order of the day, it is to be hoped that the Health Authority and other interested Bodies will co-operate as soon as feasible in common administrative quarters.

I am, Ladies and Gentlemen,

Your obedient Servant,

SAMUEL HARVEY,
Medical Officer of Health.

COUNTY HEALTH DEPARTMENT,
88 COLLEGE STREET, DUMBARTON.

To the Right Honorable Members of the
House of Commons of the United Kingdom
in Parliament assembled

I have the honor to acknowledge the receipt of your
letter of the 14th inst. in relation to the
subject of the proposed Bill for the
amendment of the law relating to the
administration of the courts of law.

I have the honor to inform you that the
Bill has been introduced into the House of
Commons on the 14th inst. and is now
under consideration.

The Bill is intended to amend the law
relating to the administration of the courts
of law, and to provide for the better
conduct of the business of the courts.

I have the honor to inform you that the
Bill is now in the hands of the Committee
on the subject, and will be reported to the
House of Commons in due season.

I am, Sir, very respectfully,
Your obedient servant,
J. H. St. John.

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Your obedient servant,
J. H. St. John.

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Your obedient servant,
J. H. St. John.

MEDICAL OFFICER'S REPORT

FOR YEAR 1947.

VITAL STATISTICS.

POPULATION.—The Registrar-General estimated that the population at the middle of 1947 was 93,840, an increase of 3859 over the previous year. For comparison the figures for the previous four years are also shown.

Year.	Estimated Population.
1943 - - -	87,553
1944 - - -	86,795
1945 - - -	86,652
1946 - - -	89,941
1947 - - -	93,840

BIRTHS AND BIRTH RATES. The total number of live births registered during 1947 was 1292; 200 more than last year. 23 were transferred out but on the other hand 684 were transferred in giving a total of 1953 as against 1795 in 1946. The total number of still births registered during the year was 26, but 42 were transferred in making a County total of 68. 50 of the live births were illegitimate. The corrected birth rate (live births) was 20.8 per 1000 of the population as against 19.2 in 1946. The still-birth-rate was 34 per 1000 births (including still-births).

DEATHS AND DEATH RATES.—The number of deaths registered in the County was 1015, as against 973 in 1946. 194 deaths were transferred out, but 304 were transferred in: The corrected figure was therefore 1125 as against 1087 in the previous year. The death rate was 12.0 per 1000 of the population, as against 12.1 in 1946. Of the 1125 deaths recorded 578 were males and 547 females. 87 persons, *i.e.*, 36 males and 51 females had attained the age of 85 or over at the time of death.

INFANTILE MORTALITY.—The total number of deaths of children under one year was 104, 19 more than last year which gives an Infantile Mortality Rate of 53 per 1000 live births. The principal causes of death were as follows:—Congenital debility, premature births, &c., 62; pneumonia 15; diarrhoea 12; bronchitis 2.

DEATHS FROM INFECTIOUS DISEASES.—The following deaths from infectious disease were recorded during the year: Cerebrospinal fever 1; whooping cough 3; measles 1; other infectious diseases 8.

DEATHS FROM TUBERCULOSIS.—During 1947, 54 deaths were due to one or other form of tuberculosis. Of these 46 were due to pulmonary tuberculosis, giving a death-rate for this type of 0.49 per 1000 as against 0.57 in 1946. Deaths from other forms of tuberculosis numbered 8 giving a death-rate of 0.085 per 1000 as against 0.078 in the previous year. The death-rate for all forms of tuberculosis was 0.58 per 1000 as against 0.64 in the previous year.

The following table shows the period elapsing between notification and death, and between discharge from an institution and death, of all the above-mentioned cases:—

	Pulmonary.		Non-Pulmonary.	
	Male.	Female.	Male.	Female.
Not notified or notified at or after death,	3	1	3	1
Notified less than 1 month before death,	2	3	—	2
„ from 1 to 3 months „ „	2	—	—	—
„ „ 3 to 6 „ „ „	1	3	—	1
„ „ 6 to 12 „ „ „	1	2	—	—
„ „ 1 to 2 years, „ „	3	7	—	—
„ over 2 years „ „	14	9	—	—
Totals, ...	26	25	3	4
Number who died within 28 days after discharge from an Institution, ...	—	1	—	1
Number who died more than 28 days after discharge from an Institution, ...	12	10	—	—

COUNTY OF DUNBARTON (EXCLUDING LARGE BURGHS)—STATEMENT OF CAUSES OF DEATH (CORRECTED FOR TRANSFERS FOR 1947). COMPILED FROM FIGURES SUPPLIED BY THE REGISTRAR GENERAL.

CAUSES OF DEATH.		ALL AGES.	1—	5—	10—	15—	25—	35—	45—	55—	65—	75—	85 and over.
1. Typhoid Fever (including Paratyphoid),	M.	..	..	..	..	..	..	..	..	..	..	..	..
2. Cerebro-Spinal Fever,	M.	..	..	..	..	..	..	..	..	..	..	..	..
3. Scarlet Fever, ..	M.	1	..	..	..	..	..	..	..	..	..	..	..
4. Whooping-cough, ..	M.	..	..	..	..	..	..	..	..	..	..	..	..
5. Diphtheria, ..	M.	3	1	..	..	..	..	..	..	..	..	..	..
6. Tuberculosis of Respiratory System, ..	M.	19	..	..	..	..	..	..	..	..	..	..	..
7. Other Forms of Tuberculosis, ..	M.	27	1	..	..	..	..	..	..	..	..	..	..
8. Syphilis, ..	M.	8	1	..	..	..	..	..	..	..	..	..	..
9. Influenza, ..	M.	5	1	..	..	..	..	..	..	..	..	..	..
10. Measles, ..	M.	2	..	..	..	..	..	..	..	..	..	..	..
11. Other Infectious and Parasitic Diseases,*	M.	4	1	..	..	..	..	..	..	..	..	..	..
12. Cancer, Malignant Tumours, ..	M.	1	..	..	..	..	..	..	..	..	..	..	..
13. Tumours, Non-malignant or not Defined,	M.	5	..	..	..	..	..	..	..	..	..	..	..
14. Acute Rheumatism, ..	M.	65	..	..	..	..	..	..	..	..	..	..	..
15. Diabetes Mellitus, ..	M.	2	..	..	..	..	..	..	..	..	..	..	..
16. Other General Diseases, ..	M.	1	..	..	..	..	..	..	..	..	..	..	..
17. Meningitis, Diseases of Spinal Cord, ..	M.	7	1	..	..	..	..	..	..	..	..	..	..
18. Cerebral Hemorrhage, &c., ..	M.	10	..	..	..	..	..	..	..	..	..	..	..
19. Other Diseases of Nervous System, ..	M.	62	..	..	..	..	..	..	..	..	..	..	..
20. Heart Disease, ..	M.	79	1	..	..	..	..	..	..	..	..	..	..
21. Other Circulatory Diseases, ..	M.	10	1	..	..	..	..	..	..	..	..	..	..
22. Bronchitis, ..	M.	182	..	..	..	..	..	..	..	..	..	..	..
23. Pneumonia, ..	M.	17	..	..	..	..	..	..	..	..	..	..	..
24. Other Respiratory Diseases, ..	M.	23	2	..	..	..	..	..	..	..	..	..	..
25. Gastric and Duodenal Ulcer, ..	M.	17	..	..	..	..	..	..	..	..	..	..	..
26. Diarrhoea (all ages), ..	M.	22	1	..	..	..	..	..	..	..	..	..	..
27. Appendicitis, ..	M.	20	6	..	..	..	..	..	..	..	..	..	..
28. Cirrhosis of Liver, ..	M.	5	..	..	..	..	..	..	..	..	..	..	..
29. Other Diseases of Liver, ..	M.	4	1	..	..	..	..	..	..	..	..	..	..
30. Other Digestive Diseases, ..	M.	10	..	..	..	..	..	..	..	..	..	..	..
31. Nephritis, Acute or Chronic, ..	M.	6	..	..	..	..	..	..	..	..	..	..	..
32. Other Diseases of Genito-Urinary System, ..	M.	17	1	..	..	..	..	..	..	..	..	..	..
33. Puerperal Sepsis, ..	M.	13	..	..	..	..	..	..	..	..	..	..	..
34. Other Puerperal Causes, ..	M.	6	..	..	..	..	..	..	..	..	..	..	..
35. Diseases of Skin and Organs of Movement, ..	M.	1	..	..	..	..	..	..	..	..	..	..	..
36. Congenital Debility, Premature Birth, Malformations, &c., ..	M.	9	..	..	..	..	..	..	..	..	..	..	..
37. Old Age, ..	M.	22	1	..	..	..	..	..	..	..	..	..	..
38. Suicide, ..	M.	2	..	..	..	..	..	..	..	..	..	..	..
39. Road Transport Accidents, ..	M.	6	..	..	..	..	..	..	..	..	..	..	..
40. Other Violence, ..	M.	3	..	..	..	..	..	..	..	..	..	..	..
41. Causes ill-defined or unknown, ..	M.	21	3	..	..	..	..	..	..	..	..	..	..
ALL CAUSES, ..	M.	578	66	7	4	3	8	14	24	53	116	164	38
	F.	546	38	12	..	4	15	13	19	30	84	150	51
		1124	104	19	4	7	23	27	43	83	167	314	87

* Including Erysipelas, Septicaemia, Dysentery, Acute Poliomyelitis and Lethargic Encephalitis.

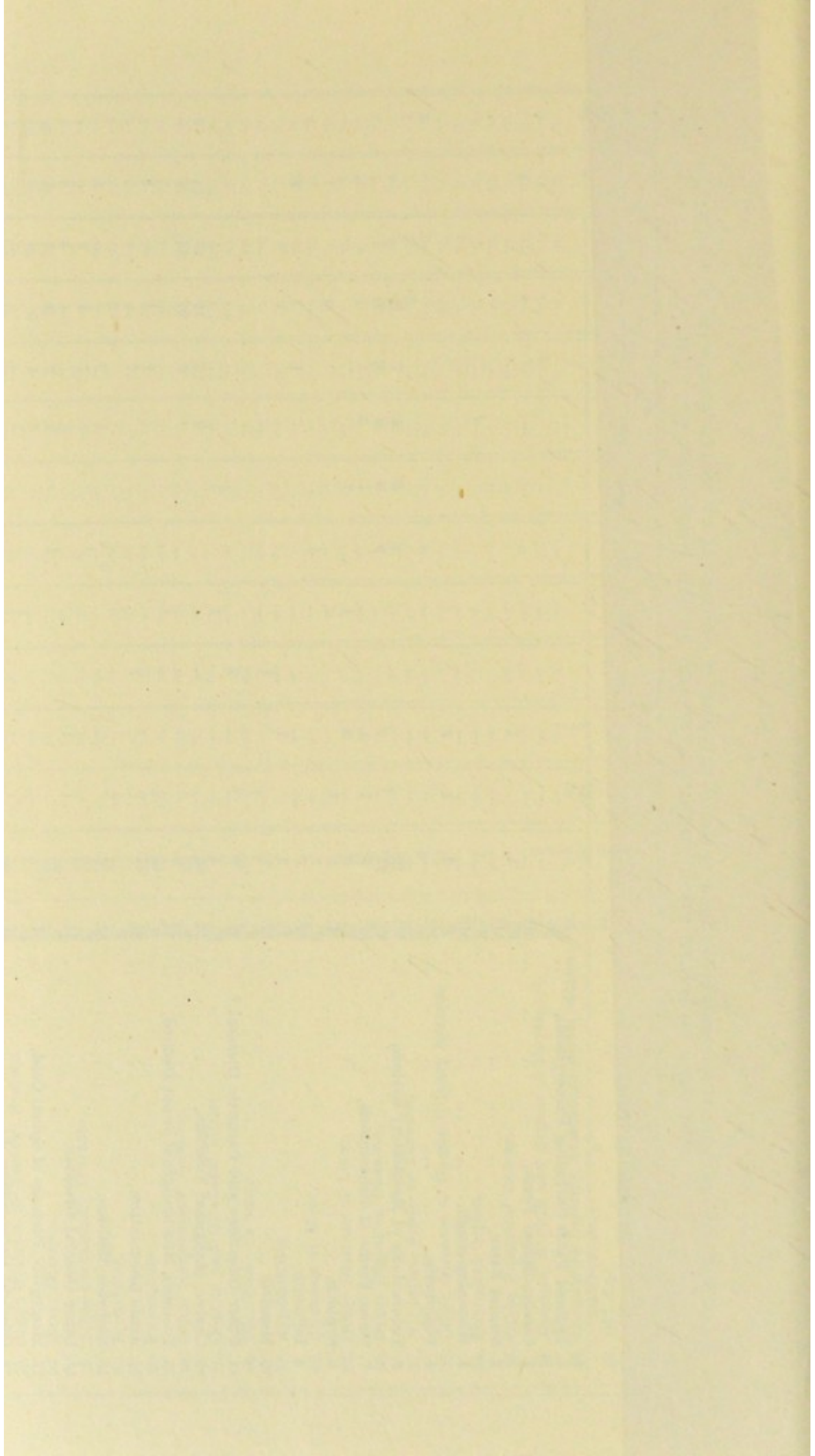


TABLE I.—VITAL STATISTICS COMPILED FROM INFORMATION SUPPLIED BY THE REGISTRAR GENERAL.

	Number Registered in District.	Transfers.		Corrected Number.			Rate per 1000 of Estimated Population (Both Sexes).
		Out.	In.	Both Sexes.	Males.	Females.	
Births (including Illegitimate), ...	1292	23	684	1953	990	963	20·8
Births (Illegitimate), ...	50	1	29	78	39	39	24·0
Births (still births), ...	26	—	42	†68	34	33	334
Marriages, ...	668	—	—	—	—	—	7·1
Deaths—							
All Causes, ...	1015	195	304	1124	578	546	* 12·0
Tuberculosis, ...	—	—	—	54	22	32	0·58
Tuberculosis (Respiratory System), ...	—	—	—	46	19	27	0·49
Principal Epidemic Diseases, ¹	—	—	—	12	5	7	0·13
Children aged under One Year,	—	—	—	104	66	38	453

¹ Typhoid Fever, Paratyphoid Fevers, Cerebro-Spinal Fever, Scarlet Fever, Whooping Cough, Diphtheria, Influenza and Measles.

² Rate per 100 Live Births.

³ Rate per 1000 Total Births (including Still-Births).

⁴ Rate per 1000 Live Births.

* Rate adjusted for Age and Sex distribution = 11·9.

† Including 1 not stated.

TABLE II.—RAINFALL DURING 1947.

STATION.	OBSERVER.	Rain Gauge.			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Totals.
		Diameter.	Height above Ground.	Height above Sea-level.													
		in.	ft. in.	ft.													
Whistlefield, Clear Water Tank, ..	Neil McKellar, Water Superintendent,	8	1 0	342	7.49	0.34	5.42	7.92	4.74	5.57	5.60	0.00	7.72	2.85	7.59	1.48	56.72
Rhu, Filter House, ..	John Black, Water Superintendent,	8	1 0	350	5.25	0.40	6.35	7.64	4.47	6.74	6.84	0.00	6.98	3.45	10.05	1.69	59.86
Valve House, Luss Rd., Helensburgh,	A. Duncan Romisch, Burgh Surveyor,	8	1 0	293	6.10	0.61	4.71	6.81	5.55	4.45	5.25	0.04	5.52	2.89	8.95	3.20	54.08
Glen Finlas, ..	George Beaton, Water Superintendent,	..	..	..	9.31	0.63	3.87	9.31	6.27	6.08	7.49	0.00	8.58	4.59	13.84	4.45	74.72
Renton Filters, ..	James Collier, Water Superintendent,	8	4 0	292	6.44	0.51	3.40	6.02	5.10	3.69	4.55	0.00	4.88	2.13	6.87	2.95	46.54
Garshake, ..	William Wilson, Burgh Engineer,	8	1 0	235	7.50	1.03	6.54	7.40	5.01	3.66	4.35	0.0	4.71	1.97	6.96	2.06	51.19
Loch Humphrey,	Do.	8	1 0	1052	5.52	0.82	4.71	7.50	5.19	4.85	5.57	0.0	5.38	2.45	6.35	2.17	50.51
Main Sewage Stn., Dumbarton,	Do.	5	1 0	11	6.50	0.0	3.92	6.84	4.82	3.57	4.33	0.0	5.03	1.93	6.51	3.20	46.65
Cochno Filters, ..	E. T. Collins, Water Superintendent,	5	1 0	400	5.02	1.50	5.47	6.39	4.90	4.12	4.68	0.0	4.98	3.00	6.19	2.39	48.64
Cochno Loch, ..	Do.	5	1 0	909	5.70	1.00	6.79	7.27	4.23	5.65	5.44	0.0	6.45	2.96	8.20	4.52	58.21
Jaw Reservoir, ..	Do.	5	1 0	912	6.62	1.00	6.96	6.77	3.87	5.59	4.98	0.0	6.61	3.08	7.89	4.87	58.34
Greenside Reservoir, ..	Do.	5	1 0	875	7.11	1.00	7.08	7.09	4.46	5.57	5.68	0.0	6.03	2.73	7.69	3.70	54.14
Mugdock Reservoir, ..	Engineer and Manager, Corporation of Glasgow,	..	..	320	5.40	1.00	4.26	6.23	4.47	3.87	3.46	0.0	4.93	2.38	7.14	2.79	45.93
Mean Rainfall (Scotland), ..	Meteorological Reports,	..	..	..	3.78	1.52	3.51	4.60	4.07	3.09	3.34	0.15	3.49	2.02	4.49	2.11	36.17
					18	12	18	21	19	20	16	1	18	15	17	15	190

DEATHS FROM INFLUENZA.—Seven deaths were registered from this cause, as against 6 in 1946.

DEATHS FROM PNEUMONIA.—Forty-two deaths were registered from this cause, as against 39 in the previous year.

DEATHS FROM CANCER.—Cancer of one sort or another caused 131 deaths (66 males and 65 females), 11 less than in 1946.

METEOROLOGY

Table II shows the rainfall at various stations in the County as compared with the mean of Scotland.

A.—GENERAL SANITATION.

WATER SUPPLIES.

Twenty-one samples of water were taken in the Eastern Area and 13 in the Western Area of the County. Of the Eastern Area samples, those taken in the Tintock area were unsatisfactory, while in the Western Area samples from Ardvorlich Burn and Dumbain Farm were open to suspicion. The general standard of water supplies throughout the County was satisfactory.

RIVERS POLLUTION PREVENTION.

RIVER LUGGIE.—The condition of the river during the year gave continued cause for satisfaction, although the Bothlyn Burn periodically gave rise to pollution which required the attention of the Lanarkshire Authority.

RIVER ALLANDER.—The river was in a most unsatisfactory condition as a result of effluent from the Allander Paper Works. On occasions, conditions were so bad that "froth" from the river actually blew over adjoining houses. The owners of the Works agreed to improve the condition of their settling tanks but until the caustic soda recovery processes are improved there seems little hope of a betterment of conditions.

During the year the City of Glasgow convened a meeting to discuss the possibility of improving the condition of the River Kelvin, of which the Allander is a tributary.

TABLE III.—DETAILS OF ANALYSIS OF WATER SAMPLES.
1947.

SOURCE.		EASTERN AREA.			WESTERN AREA.		
		Good.	Usable.	Bad.	Good.	Usable.	Bad.
DWELLING-HOUSES—							
Private Gravitation,	—	—	—	—	—	—	—
Upland Surface, -	4	—	—	1	—	3	—
Shallow Well, -	10	—	6	3	—	1	—
DAIRY FARMS—							
Shallow Well, -	2	—	—	—	—	1	1
Upland Surface, -	2	—	1	—	—	1	—
PUBLIC SUPPLIES—							
Gravitation :							
Lanarkshire, -	4	2	2	—	—	—	—
Kirkintilloch, -	2	2	—	—	—	—	—
Bowling, -	2	—	2	—	—	—	—
Old Kilpatrick, -	2	—	2	—	—	—	—
Vale of Leven, -	2	—	—	—	—	2	—
HYDRO-ELECTRIC BOARD—							
Upland Surface, -	4	—	—	—	—	2	2
TOTALS	34	4	13	4	—	10	3

LOCH LONG.—Complaint was received regarding the presence of excessive sewage in the loch from the Torpedo Range, Ardgarten Camping Ground and unsatisfactory connections on the Dunbartonshire side of the loch. The matter was taken up with the Argyllshire Authorities and with the Sanitary Inspector, with a view to passing more sewage through septic tanks.

NUISANCES.

The Medical Officer was asked to adjudicate in four instances of suggested nuisance but in no case could complaint of nuisance be substantiated.

OFFENSIVE TRADES.

Under the provisions of Section 32 of the Public Health (Scotland) Act, 1897, there is one trade registered in the Western Area of the County. No complaint was received during the year.

PRIVATE STREETS.

During the year no inspections were invited in terms of Section 39 of the Public Health (Scotland) Act, 1897.

B—HOUSING AND TOWN PLANNING.

DEFECTIVE OR UNINHABITABLE HOUSES.—During the year 34 representations, affecting 53 houses, were made under Section 16 (1) of the Housing (Scotland) Act, 1930. The following are details of the properties involved:—

BONHILL.

Situation of Property.	No. of Houses.	Apartments.			
		1	2	3	4
1 Campbell Street, Bonhill, -	1	—	—	1	—
41 do. do. -	1	—	1	—	—
65 do. do. -	1	—	1	—	— (u)
395 Main Street, Bonhill, -	1	—	1	—	—
250 do. do. -	1	—	—	1	—
105 North Street, Alexandria, -	1	1	—	—	—
89, 95 do. do. -	2	—	2	—	—
6-10 Mitchell Street, Alexandria, -	3	—	3	—	—
4-12-14 do. do. -	3	—	3	—	— (u)
Parkneuk Cottage, Alexandria, -	1	—	—	—	1
40 Main Street, Alexandria, -	1	1	—	—	—
do. do. -	1	—	1	—	—
11 Alexander Street, Alexandria, -	1	—	1	—	—
24 do. do. -	1	1	—	—	—
83 do. do. -	1	—	—	—	1
do. do. -	1	—	1	—	—
4 Hill Street, Alexandria, -	1	—	1	—	—
6 Random Street, Alexandria, -	1	1	—	—	—
181-183 Main Street, Jamestown, -	2	1	1	—	—
	25	5	16	2	2 (u4)

CARDROSS.

Situation of Property.	No. of Houses.	Apartments.			
		1	2	3	4
Burnsland, Cardross, -	1	1	—	—	—
Ardmore Crossing, Cardross, -	1	—	1	—	—
	2	1	1	—	—

RENTON.

Situation of Property.		No. of Houses.	1	Apartments.			
				2	3	4	
18	Thimble Street, Renton,	-	1	—	1	—	
20	do. do.	-	1	1	—	—	
29	Back Street, Renton,	-	3	2	—	1	
33	do. do.	-	1	1	—	—	
133	do. do.	-	6	—	—	—	
135	do. do.	-	3	—	—	—	
139	do. do.	-	1	1	—	—	
277	Main Street, Renton,	-	1	1	—	—	
3	Millburn, Renton, -	-	1	1	—	—	
	Cordale Lodge, Renton,	-	1	—	—	—	
			19	10	7	1	1

CONDORRAT.

Situation of Property.		No. of Houses.	1	Apartments.			
				2	3	4	
	Wellview Cottage, Condorrat.	-	1	—	1	—	(u)
	do. do.	-	1	—	1	—	
	The Temple, Condorrat,	-	5	3	2	—	
			7	3	4	—	(ul)
Total for all Areas,		-	53	16	27	7	3 (u5)

Note.—Entries in parenthesis indicate number of unoccupied houses.

Of the 53 houses represented against, 17 were the subjects of Demolition Orders and 36 of Closing Orders.

The Committee sanctioned the use of the following uninhabitable properties as stores:—6 Hill Street, Alexandria; 24 Alexander Street, Alexandria; 4 Hill Street, Alexandria; Burnsland, Cardross; Tintock.

HOUSING REPORT, 1947.

ERECTION OF PERMANENT HOUSES.

1944 PROGRAMME.

DUNTOCHER.—18 4-apt. houses. The painter work is in progress and the painter has promised to have the houses completed by the end of January, 1948.

1945 PROGRAMME.

CORDALE, RENTON.—46 houses. The plumber and joiner works are now complete at the 8 houses in Cordale Crescent.

The glazier has reported that the glass is on the way. It is hoped to have these 8 houses completed and ready for occupancy by the end of February, 1948. At the 14 houses in Cordale Avenue, the joiner has floors laid. The slater has made a start on one tenement of 12 houses, and at the other tenement of 12 houses, the electrician is tubing and the joiner has the ceilings of 2 houses finished. One ground floor house has been asphalted.

WINDSOR PLACE, BOWLING.—6 houses. The plasterer has promised to make a start in January, 1948. The builder is waiting delivery of the drains.

POST-WAR PERMANENT HOUSING PROGRAMME.

SWEDISH HOUSES.

CONDORRAT.—10 houses. The houses are complete and are occupied.

WHITSON-FAIRHURST HOUSES.—Proposed erection of 1000 Whitson-Fairhurst Houses. First instalment of 504 houses.

DALMONACH.—152 houses. There are 108 houses in course of erection; 8 houses are roofed ready for plumber work; 12 houses have outer walls and chimney breasts built to roof level; 16 houses have outer walls built to 1st floor level; 22 houses have concrete ground floors laid; 2 houses have underbuilding built to ground floor level; 28 houses have frames erected; 2 houses have concrete foundations laid; 8 houses have excavations dug and 10 houses have area turfed.

CARDROSS.—18 houses. There are 18 houses in course of erection; 6 houses have concrete foundations laid and 12 houses have excavations dug.

CHAPELHILL.—56 houses. The erection of these houses has not commenced.

GOLDENHILL.—40 houses. The foundations are being laid at 32 houses.

AUCHENTOSHAN.—98 houses. The excavation work is commenced at 54 houses. Setting out of the remainder to be approved.

BEARSDEN.—50 houses. All the houses have been pegged off at this site.

TWECHAR.—50 houses.

CONDORRAT.—40 houses.

Work has not commenced at these sites.

TRADITIONAL HOUSES.

ARROCHAR.—16 houses.

GARTOCHARN.—4 houses.

According to instructions received from the Department of Health, the plans are being modified with a view to reducing the costs of the above schemes.

LUSS.—4 houses. The slater work is in progress.

RHU.—12 houses. The outer walls and partitions are built to first floor level and the first floor joists have been laid.

GAVINBURN, OLD KILPATRICK.—12 houses. The roof work is now complete. The joiner is laying floors in 6 houses, and the electrician is tubing in the other 6 houses.

DUMBARTON ROAD, OLD KILPATRICK.—7 houses. Work at this scheme has not commenced.

STUART STREET, OLD KILPATRICK.—15 houses. At one tenement (6 houses) the outer walls are built to first floor level and at the other two tenements (9 houses) the outer walls are in progress.

OVERCROY, CROY.—20 houses. At 8 houses, the outer walls and stairs are built to first floor level ready for joists; at other 4 houses, the outer walls are built to first floor level, and at 4 houses, the underbuilding is built to damp proof course level ready for concrete floor slabs.

ERECTION OF TEMPORARY HOUSES.

TULLICHEWAN.—100 houses. 95 houses have been handed over. Five are completed.

MILTON.—15 houses. Two houses have frames erected and 13 are ready for frames.

CHAPELHILL.—7 houses. The erection of these houses is nearing completion.

GOLDENHILL.—60 houses. 50 aluminium houses are in course of erection; 22 are ready for hulls, 4 are slabbed, 17 founds are ready for slabbing and 7 are untouched. 10 arcon houses are ready for framing.

CONDORRAT.—12 houses. These houses are nearing completion.

CUMBERNAULD.—16 houses. These houses have been completed.

D.—MEDICAL SERVICES.

MATERNITY SERVICE AND CHILD WELFARE.

*Statistics required by Appendix to D.H.S. Circular
No. 10/1948.*

By the above circular a detailed statement of particulars in connection with the Maternity Service and Child Welfare Services of the County is requested and the relative information is set out in the consecutive order specified by the circular with the addition of several tables giving fuller details.

1. *Births.*—

- (a) Total number of births occurring in the area—1292.
- (b) Number of births in (a) classified according to nature of attendance at confinement: (i) Maternity Services Scheme cases (a) with doctor 172, (b) without doctor 645; (ii) other domiciliary cases, (a) with doctor 327, (b) with midwife alone (no doctor booked) 148, (c) conducted by outdoor staff of institution nil, (d) without doctor or midwife nil; (iii) institutional cases (including those in private maternity and nursing homes) nil.

2. *Home Visitation during year.*—

	Number Visited for first time.	Total Visits.
Expectant Mothers - - -	173	728
Infants - - -	2182	14,565
Children (1-5 years) - - -	299	12,438

3. *Ante-natal and Post-natal Clinics.*—

- (i) Number of Clinics at end of year provided by Local Authority; (a) Ante-natal 10; (b) Post-natal 10.
- (ii) Number of Clinics at end of year provided by voluntary bodies—Nil.
- (iii) Total number of women who attended at the Clinics during the year: (a) Ante-natal 85; (b) Post-natal 59.

4. *Child Welfare Clinics.*—

- (a) Number of clinics at end of year provided by the Local Authority—10.
- (b) Number of clinics at end of year provided by voluntary bodies—Nil.
- (c) Number of children attending during year:—
 - (i) Under 1 year - 1285
 - (ii) Over 1 year - 303
- (d) Total number of attendances during year:—
 - (i) Under 1 year - 10,227
 - (ii) Over 1 year - 3788

5. *Special Treatment Centres.*—By arrangement with the Education Committee, the undernoted pre-school children and expectant mothers were referred to the School clinics for treatment:—

						Mothers.	Children.
(1)	Teeth	-	-	-	-	*29	62
(2)	Eyes	-	-	-	-	—	29
(3)	Ear, nose and throat	-	-	-	-	—	63
(4)	Other ailments	-	-	-	-	—	—
(5)	Ultra violet light treatment	-	-	-	-	—	42
(6)	Orthopædic	-	-	-	-	—	19

* Total cost of 19 completed cases £19 11 9.

6. *Mother and Baby Homes.*—

There are no Mother and Baby Homes in the County.

7. *Residential Nurseries and Children's Homes.*—

Name and Address of Nursery or Home.	Whether long stay or short stay.	Number of beds pro- vided at the end of the year. Aged 0-2, 2-5, others.
(a) Cardross Park Home	Both	40 beds (num- bers under each group vary ac- cording to re- quirements).
(b) Nil.		

8. *Home and Domestic Helps.*—

	Home Helps.	Domestic Helps.
(a) Number employed at end of year :—		
(i) Whole Time - - -	10	6
(ii) Part Time - - -	—	—
(b) Number of cases taken during year - - - - -	204	102
(c) Average period of assistance - - -	2 weeks	4 weeks

During the year the Home Helps assisted in 204 households where confinements had taken place. In addition, they assisted in 102 households where the housewife was confined to bed through illness. At the end of the year there were 16 full-time Home Helps on the pay-roll, while there was also a number of "casual" Home Helps available to take overlapping cases.

Many expressions of appreciation of the Scheme and the excellent services rendered by the Home Helps were received.

The Scheme was operated in the Vale of Leven, Helensburgh, Old Kilpatrick, Bearsden, Milngavie and Kirkin-tilloch areas.

9. *Infantile Mortality.*—(a) Number of deaths 104; (b) rate per 1000 births 53; (c) number of deaths and rates per 1000 births classified according to age groups and causes of death (see Table V).

10. *Maternal Mortality*.—(a) Number of deaths resulting from miscarriage or childbirth, nil; (b) number of deaths resulting from puerperal sepsis, 1.
11. *Report under Midwives (Scotland) Act, 1915*.—There are 32 midwives practising in the County, all of whom are qualified by examination. The following gives the details of the Annual Report on the working of the Act during 1947, as required by the Central Midwives' Board:—

BIRTHS IN DISTRICT.

Total number of births registered in 1947,	-	-	1292
Actual number of births attended by Midwives in 1947			793
Total number of deaths of new-born children (within 14 days) during 1947,	-	-	24
Actual number of deaths of newborn children (within 14 days) occurring in the practice of midwives during 1947	-	-	—
Actual number of cases not attended by a doctor or midwife during 1947,	-	-	
			Births—Nil
			Deaths—Nil

In addition to the above, 642 notifications were received of births in institutions outside the area. Thirty-four of these were stillborn.

CASES OF OPHTHALMIA NEONATORUM.

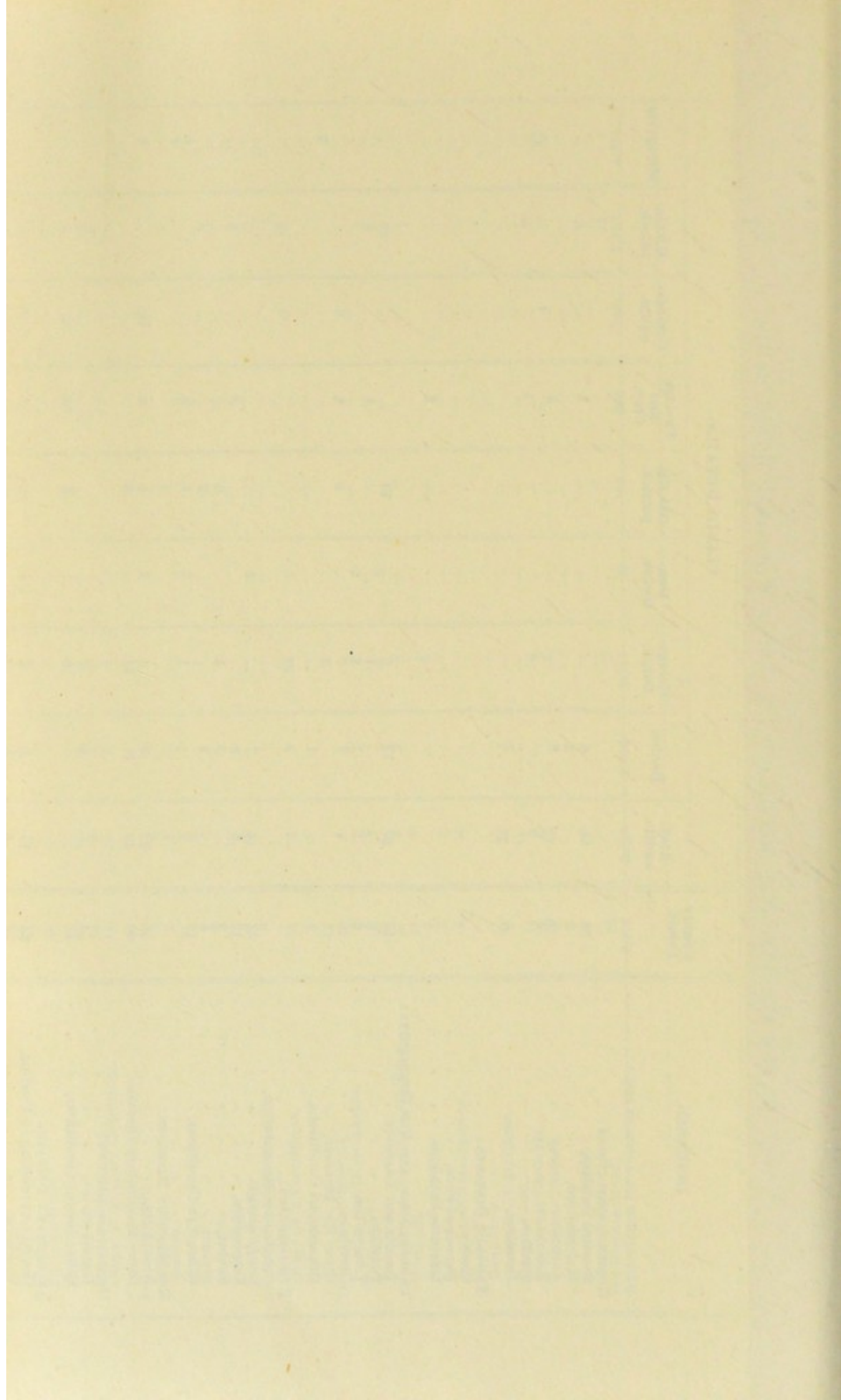
Total number of cases during 1947,	-	-	5
Actual number of cases occurring in the practice of midwives during 1947,	-	-	Nil
Actual number of cases occurring where confinement not attended by a doctor or midwife during 1947,			Nil

CASES OF PUERPERAL SEPSIS.

Total number of cases during 1947,	-	-	4
Total number of deaths during 1947,	-	-	1
Actual number of cases occurring in the practice of midwives during 1947,	-	-	—
Actual number of deaths occurring in the practice of midwives during 1947,	-	-	—

TABLE IV.—DISEASES RECORDED ON CHILD WELFARE CLINIC CARDS.

DISEASES.		County Totals.	CLINIC DETAILS.								
			Alex- andria.	Renton.	Helens- burgh.	Dun- tocher.	Old Kil- patrick.	Twechar and Croy.	Cumber- nauld.	Kirkin- tilloch.	Milngavie.
GENERAL CONDITIONS :											
General Debility, -		28	14	6	..	..	..	2	..	6	..
Malnutrition, -		2	..	2	..	..	..	3	..	..	..
Anemia, -		6	..	8	..	..	..	..	..	..	..
Rickets, -		2	2	..	..	..	..	..	..	..	..
Snuffles, -		1	..	1	..	..	..	..	..	..	..
Jaundice, -		..	..	..	..	..	..	..	..	..	..
NERVOUS DISEASES :											
Chorea, -		..	..	..	..	..	..	..	..	..	..
Paralysis of Face, -		2	..	..	..	..	..	2	..	..	..
Infantile Paralysis, -		..	..	..	..	..	..	..	..	..	..
THROAT, NOSE, AND EAR CONDITIONS :											
Tonsils and Adenoids, -		66	20	11	5	..	10	..	..	20	..
Tonsillitis, -		8	..	1	2	..	..	..	..	5	..
Tongue Tie, -		6	1	7	7	4	..	2	..	..	..
Otorrhoea, -		26	4	7	8	..	..	..	..	..	..
Other Ear Diseases, -		13	..	..	..	..	..	..	..	..	..
Other Nasal Conditions, -		1	..	1	..	..	..	..	..	..	5
EYE DISEASES :											
Ophthalmia Neonatorum, -		..	..	..	..	..	..	..	..	..	..
Conjunctivitis, -		31	14	7	..	3	..	..	..	7	..
Blepharitis, -		12	5	5	..	..	..	..	..	2	..
Squint, -		9	..	2	4	3	..	..	..	..	..
Strabismus, -		4	..	2	..	2	..	..	..	..	..
Other Eye Conditions, -		12	5	..	1	2	..	2	..	..	..
RESPIRATORY DISEASES :											
Bronchitis, -		56	22	3	5	3	4	5	12	..	2
Other Respiratory Diseases, -		90	42	11	34	..	3	..	..	..	..
DENTAL CONDITIONS :											
Dental Caries, -		4	..	4	6	..	3	2	21	5	..
Other Dental Conditions, -		37	..	..	..	..	..	..	..	..	..
ALIMENTARY DISEASES :											
Conditions relating to Feeding, -		64	19	8	9	6	20	..	..	2	..
Vomiting, -		19	4	1	9	..	4	..	..	1	..
Indigestion, -		2	..	..	..	..	..	6	..	2	..
Gastritis, -		12	1	3	..	..	..	2	..	..	..
Enteritis, -		3	..	1	..	..	..	..	..	..	..
Hernia, -		20	11	3	1	1	..	2	..	1	..
Tapeworms, -		23	11	4	2	..	..	4	..	..	..
Diarrhoea, -		64	17	2	24	1	4	13	..	3	..
Constipation, -		24	9	2	8	..	..	3	..	2	..
Other Alimentary Conditions, -		61	36	2	5	..	..	2	6	10	..
SKIN DISEASES :											
Ringworm, -		2	2	2	..	..	3	..	..	1	..
Scabies, -		8	3	2	7	4	..	8	..	4	..
Impetigo, -		31	6	2	..	..	..	1	..	..	..
Eczema, -		8	2	1	..	..	..	..	..	2	..
Alopecia, -		2	..	..	..	..	..	..	..	..	..
Seborrhoea, -		11	10	..	..	..	..	1	..	..	..
Septic Sores, -		9	3	..	..	..	..	6	..	..	..
Septic Vaccination, -		3	..	..	..	..	..	..	..	..	..
Nettle Rash, -		..	..	..	..	..	..	..	..	..	..
Other Skin Conditions, -		91	31	5	38	2	..	..	5	12	..
Dermatitis, -		4	4	..	..	..	..	..	..	..	..
OTHER CONDITIONS :											
Injuries due to Accidents, -		1	..	1	..	..	..	..	..	1	..
Talipes, -		4	2	..	..	3	..	..	..	..	..
Phimosis, -		35	17	5	10	3	..	..	..	..	..
Conditions affecting Umbilicus, -		13	6	2	3	2	..	..	..	..	..
Teething, -		14	6	..	7	..	..	..	..	1	..
Enlarged Glands, -		6	..	6	6	..	..	..	..	..	..
Abscesses, -		5	2	..	3	..	..	..	..	..	..
Backward Development, -		4	4	..	..	..	..	..	..	..	..
Septic Finger, -		..	..	..	..	..	..	..	..	..	..
Deaf Mute, -		..	..	..	..	..	..	..	..	..	..
Congenital Conditions, -		24	23	1	..	..	..	..	..	..	..
Rheumatism, -		..	..	..	..	..	..	..	..	..	..
Nocturnal Enuresis, -		11	3	..	4	..	..	2	..	2	..
Infectious Diseases, -		53	12	..	4	..	..	..	1	6	30
Vertigo, -		..	..	..	..	..	..	..	..	..	..
Growth on Spine, -		..	..	..	..	..	..	..	..	..	..
Convulsions, -		..	..	..	..	..	..	..	..	..	..
No Disease noted, -		35	..	..	22	..	..	..	..	13	..
Attendance for weighing only, -		9,271	2,239	1,656	1,014	76	126	898	705	1,103	1,364



COUNTY OF DUNBARTON.

TABLE V.—MATERNITY SERVICE AND CHILD WELFARE, 1947.

CAUSES OF DEATH—CHILDREN UNDER ONE YEAR.

CAUSE OF DEATH.	Under 1 Week.	1 Week, and under 4 Weeks.	Total under 4 Weeks.	4 Weeks, and under 3 Months.	3 Months, and under 6 Months.	6 Months, and under 12 Months.	Total Deaths under 1 Year.	Rate per 1000 Births.
Smallpox, - - -	...	...	...	...	...	...	...	...
Chickenpox, - - -	...	...	...	...	...	...	...	...
Measles, - - -	...	...	...	...	...	...	...	...
Scarlet Fever, - - -	...	...	...	...	...	...	...	...
Whooping-cough, - - -	...	...	...	...	1	..	1	·51
Diphtheria, - - -	...	...	...	...	...	...	...	...
Cerebro-Spinal Menin- gitis, - - -	...	...	...	...	...	...	...	...
Erysipelas, - - -	...	...	...	...	...	...	...	...
Dysentery, - - -	...	...	...	...	...	...	...	...
Tuberculous Meningitis, Other Tuberculous Dis- eases, - - -	...	...	...	...	...	1	1	·51
Meningitis (not Tuber- culous), - - -	...	...	...	...	...	...	...	...
Hydrocephalus, - - -	...	...	...	...	1	...	1	·51
Convulsions, - - -	...	1	...	...	...	1	2	1·02
Pneumonia (all forms), -	1	1	...	5	3	4	14	7·17
Bronchitis, - - -	...	1	...	2	...	1	4	2·04
Diarrhoea and Enteritis, Other Digestive Diseases,	1	2	...	2	5	1	11	5·63
Congenital Malforma- tions, - - -	...	...	...	2	...	...	2	1·02
Congenital Heart, - - -	4	...	...	3	1	...	8	4·09
Premature Birth, - - -	1	3	...	...	...	1	5	2·56
Atrophy, Debility, and Marasmus, - - -	29	...	...	1	...	...	30	15·36
Atelectasis, - - -	3	...	...	3	1	...	7	3·58
Injury at Birth, - - -	6	1	...	...	...	...	7	3·58
Suffocation, overlaying, Syphilis, - - -	1	1	...	...	...	...	2	1·02
Rickets, - - -	...	...	...	1	...	...	1	·51
All other causes, - - -	...	...	...	...	1	...	1	·51
	2	2	...	...	...	3	7	3·58
Total, - - -	48	12	60	19	13	12	104	53·20

NOTE.—Although the total number of infant deaths agrees with that of the Registrar-General, the actual totals are not quite the same. This is due solely to the fact that general practitioners in signing death certificates are apt to put two or more causes of death, each of which might be fatal. In selecting the most likely cause of death for statistical purposes the Registrar-General has probably selected one cause and I have selected another.

Actual number of cases occurring where confinement not attended by a doctor or a midwife in 1947, - - - - -

Cases —
Deaths —

CASES OF PUERPERAL PYREXIA.

Total number of cases during 1947, - - - -	13
Total number of deaths during 1947, - - - -	—
Actual number of cases occurring in the practice of midwives during 1947, - - - -	—
Actual number of deaths occurring in the practice of midwives during 1947, - - - -	—
Actual number of cases where confinement not attended by a doctor or midwife in 1946,	Cases — Deaths —

CASES OF STILL-BIRTHS (DEAD BORN).

Total number of cases during 1947, - - - -	26
Actual number of cases occurring in the practice of midwives during 1947, - - - -	3

CASES OF EMERGENCY.

In 23 instances midwives requiring the assistance of a medical practitioner sent in the statutory forms. The emergencies were as follows:—

Delivery complicated by—

Perineal Tear, - - - -	10
Uterine inertia, - - - -	2
Breech presentation, - - - -	1
Occipito-Posterior, - - - -	1
Face presentation, - - - -	1
Ante-partum hæmorrhage, - - - -	3

Puerperium complicated by—

Post-partum hæmorrhage, - - - -	2
Pain in chest, - - - -	1

Conditions of child—

Swelling of arm, - - - -	1
Prematurity, - - - -	1

12. *Voluntary Health Visitors' Report*.—There are no Voluntary Health Visitors connected with the Scheme in the County.

13. *Ante-natal, Post-natal and Child Welfare Consultations*.—The information requested under these three headings will be found in Tables Nos. IV, VI, VII.

14. *Day Nurseries, Kindergartens and Play Centres*.—The two Day Nurseries were carried on during the year by the County Council. At Helensburgh the total number attending was 37, of whom 6 were under 1 year and 31 over 1 year. The children under 1 year made 289 attendances and those over 1 year, 4140—a total of 4429. At Alexandria Day Nursery the total number attending was 124, of whom 32 were under 1 year and 92 over 1 year. The children under 1 year made 835 attendances and those over 1 year 5438—a total of 6273.

15. *Measles*.—(a) Number of cases notified—notification is not in force; (b) number of deaths (i) from measles 1, (ii) from sequelæ nil; (c) number of cases removed to hospital 3; (d) and (e) number of special domiciliary visits and details of special staff engaged for epidemics—no arrangements of this kind were made.

16. *Whooping Cough*.—The remarks applicable to measles also apply to this disease. There were 3 deaths associated with whooping cough.

17. *Ophthalmia Neonatorum*.—(a) Number of cases notified (i) by doctor 5, (ii) by midwife nil, (iii) by institution nil; (b) number of cases in which infection was gonococcal, not known; (c) number treated in residential institutions 3; (d) number of cases in which there was appreciable loss of vision, nil.

18. *Maternity Hospitals or Homes*.—The arrangements for ante-natal treatment still continue with the Royal

Maternity Hospital, Glasgow, and in the course of the year, 132 women from the County were treated in the ante-natal wards of this hospital, while notifications were received for 256 live and 23 still-births which had occurred in the labour wards. The conditions found in the 132 ante-natal cases were:—

Contracted Pelvis,	-	-	-	-	6
Albuminuria,	-	-	-	-	7
Threatened Abortion,	-	-	-	-	8
Inevitable Abortion,	-	-	-	-	1
Hyperimesis,	-	-	-	-	7
Ante-partum hæmorrhage,	-	-	-	-	12
Threatened Miscarriage,	-	-	-	-	2
High Blood Pressure,	-	-	-	-	29
Œdema,	-	-	-	-	3
Pre-eclampsia,	-	-	-	-	12
Pyelitis,	-	-	-	-	11
Anæmia,	-	-	-	-	4
Cardiac,	-	-	-	-	5
Debility,	-	-	-	-	1
Transverse lie,	-	-	-	-	1
For investigation,	-	-	-	-	3
Twin Pregnancy,	-	-	-	-	3
For Cæsarean section,	-	-	-	-	2
Breech,	-	-	-	-	7
Placenta Prævia,	-	-	-	-	1
Late vomiting,	-	-	-	-	1
Post-maturity,	-	-	-	-	2
Pleurisy,	-	-	-	-	1
Malignant tumour,	-	-	-	-	1
Hydramnios,	-	-	-	-	2

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19. *Homes for Unmarried Mothers Before and After Confinement.*—No provision is made for these under the scheme.

20. *Educational.*—No special classes, lectures or demonstrations were held in the County during the year.

21. *Agencies.*—There are no other Agencies associated with the scheme.

22. *Puerperal Fever and Puerperal Pyrexia.*—

(1) Total number of cases (corrected figures as finally diagnosed)—

(a) Puerperal Fever, - - - 4

(b) Puerperal Pyrexia, - - - 13

(2) Total number of cases removed to Infectious Diseases Hospital—

(a) Puerperal Fever, - - - 4

(b) Puerperal Pyrexia, - - - 11

(3) Total number of deaths, - - - 1

(4) Number of cases following instrumental delivery—

(a) Puerperal Fever, - - - —

(b) Puerperal Pyrexia, - - - —

(5) Number of deaths occurring in cases included under No. 4, - - - —

(6) Number of cases where the Local Authority provided assistance on the request of medical practitioners for—

(a) Consultant service, - - - —

(b) Bacteriological examinations, - - - —

(c) Skilled nursing at home, - - - —

(d) Hospital treatment, - - - 15

23.—*Other provisions.*—Maternity Services (Scotland) Act, 1937—The scheme for the provision of midwife and medical services to women within their own homes in accordance with the above Act again showed an increase. The number of bookings for the year 1947 was 902 as against 781 in the previous year.

CARDROSS PARK HOME.

The following table shows the admissions to Cardross Park Home during 1947 :—

No. of Children admitted under—							
Maternity and Child Welfare Scheme, -	-	-	-	-	-	-	27
Education Health Services Scheme, -	-	-	-	-	-	-	46
Tuberculosis Scheme, -	-	-	-	-	-	-	—
Social Welfare Scheme, -	-	-	-	-	-	-	6
No. of Children admitted from other Local Authorities—							
Burgh of Dumbarton, -	-	-	-	-	-	-	—
Burgh of Clydebank, -	-	-	-	-	-	-	3
Total Admissions, -	-	-	-	-	-	-	82

INFANT LIFE PROTECTION.

CHILDREN AND YOUNG PERSONS (SCOTLAND) ACTS, 1908 to 1937, AND ADOPTION OF CHILDREN (REGULATIONS) ACT, 1939.

From the return for the year ending 15th May, 1947, which is printed below, it will be seen that the number of children on the Register was 1 less than in the preceding year. The following is the return referred to :—

CHILDREN AND YOUNG PERSONS (SCOTLAND) ACT, 1937.

REGISTRATION.

Note.—Where one notice is received in respect of more than one child, it should be treated as if a separate notice had been received in respect of each child mentioned.

Children on Infant Protection Register at 15th May, 1946,	-	-	-	-	-	-	6
Notices received in terms of Section 1 of the Act,	-	-	-	-	-	-	—
Notices received from guardians on removal to the area of the Council from the area of another Authority,	-	-	-	-	-	-	—
Note—The totals of questions (4) and (13) should be the same.							
Total,	-	-	-	-	-	-	6

TABLE VI.—HOME VISITATION.

PARTICULARS.	A R E A .								
	County Totals.	Vale of Leven.	Rest of Western Area (Landward).	Helensburgh (Burghal).	Cove and Kilcreggan (Burghal).	East & West Kilpatrick (Landward).	Cumbernauld and Kirkintilloch (Landward).	Kirkintilloch (Burghal).	Milngavie (Burghal).
Number of Births intimated to Health Visitor during year,	1,993	540	67	142	12	494	233	365	140
Number of First Visits :—	2,654	601	94	158	25	680	337	549	210
To Children under 1 year,	2,182	570	77	147	16	532	239	460	141
To Children from 1 to 5 years,	299	81	8	11	2	106	72	62	7
To Expectant Mothers,	173	..	9	..	7	42	26	27	62
Number of Revisits :—	25,077	5,687	1,749	2,564	269	7,439	3,225	2,457	1,687
To Children under 1 year,	12,383	3,372	923	1,164	131	3,189	1,610	1,251	738
To Children from 1 to 5 years,	12,139	2,315	685	1,386	97	4,133	1,561	1,201	761
To Expectant Mothers,	555	..	136	14	41	117	54	5	188
Number of Visits to Midwives,	17	..	..	..	..	..	5	12	..
Number of Visits of Special Inquiry,	615	119	..	52	1	174	55	207	7
Number of Visits to Tuberculous Cases,	722	141	..	148	..	193	94	134	12
Total Visits,	29,085	6,648	1,843	2,922	295	8,486	3,716	3,359	1,916

Notices received under Section 1 (5) of the Act—	
Of deaths of children, - - - - -	—
Of removals of children, - - - - -	—
Removals under Section 5 of the Act, of children	
improperly kept, - - - - -	—
Children otherwise removed from the Register—	
(a) On attaining age of nine years, - - - - -	1
(b) On appointment of legal guardian, - - - - -	1
(c) On guardians' removal from area of Council, - - - - -	—
(d) For other reasons, - - - - -	1
Children on Register at 15th May of current year, - - - - -	3
	6

CHILD PROTECTION VISITORS.

Women Visitors.—

Number appointed, - - - - -	13
Number who are also health visitors, - - - - -	13

Men Visitors.—

Number appointed, - - - - -	2
Number who are also Public Assistance Officers, - - - - -	—

Total number of visits paid during year by Child Protection Visitors to children on Register, - - - - -	21
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Qualifications of Women Visitors who are not Health Visitors, - - - - -	—
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Note.—Each inspection of each child to be regarded as a separate visit, even where two or more children are resident with the same guardian.

PARTICULARS OF GUARDIANS.

Total number of guardians on Register, - - - - -	3
Number of Guardians each keeping—	
3 children for reward, - - - - -	—
4 children for reward, - - - - -	—
5 or more children for reward, - - - - -	—

PROSECUTIONS.

For all offences under Part I of the Act, - - - - -	—
Of which for offences under Section 1 (6) of the Act, - - - - -	—

TABLE VII.—MATERNITY SERVICE AND CHILD WELFARE SCHEME CLINICS.

PARTICULARS.	CLINICS.										
	County Totals.	Alex- andria.	Renton.	Helens- burgh.	Duntocher	Old Kil- patrick.	Twechar.	Cumber- nauld.	Kirkin- tilloch.	Milngavie.	Croy.
Number of Clinics held— Health Visitor only attending, . . . Doctor and Health Visitor attending, . . .	166 467	43 46	43 46	78	50	43	51	47	49 44	45	31 17
Ante-Natal Consultations— Number attending, . . . Total attendances, . . .	85 188	12 ..	1 ..	16 26	27 116	6 10	7 7	4 21	9 6		3 2
Referred to pre-natal Wards, . . . Referred to Family Doctor, . . . Treated at Clinic, . . .	15 13 68	.. 10 ..		10	3 .. 24	2 .. 18	 14				.. 3 2
Post-Natal or other Consultations, . . .	59	..	1	..	26	..	15	3	..	..	4
Child Welfare Consultations— First Attendances— Under 1 year, . . . Over 1 year, . . . Total Attendances— Under 1 year, . . . Over 1 year, . . .	1285 303 10,227 3,788	273 95 1,811 510	147 10 1,306 513	107 23 1,049 356	87 22 517 519	118 20 932 426	80 6 798 211	56 19 422 265	236 87 1,782 610	116 14 1,142 300	65 7 468 75
Total number of Children attending Clinic during year, . . .	2,282	666	299	277	210	200	66	130	240	130	64

ADOPTION OF CHILDREN (REGULATION) ACT, 1939.

No notices of reception of children under Section 7 (3) of the Adoption of Children (Regulation) Act have been received and the yearly return under this Act consists entirely of "nil" returns.

INFECTIOUS DISEASE.

Scarlet Fever.—151 cases were reported during 1947 as against 103 in the previous year. 135 cases were removed to hospital. The areas most affected were Bonhill Parish, Kirkintilloch Burgh, and East Kilpatrick. No deaths occurred from this disease.

Diphtheria.—29 cases were notified as against 101 in 1946. Of the 29 cases 9 had positive swabs, but of these 9 only 6 had clinical signs of the disease. There were no deaths.

Erysipilas.—24 cases were notified as against 21 in 1946. 10 cases were removed to hospital.

Puerperal Fever and Pyrexia.—4 cases of Puerperal Fever occurred all of which were treated in hospital. 13 cases of Puerperal Pyrexia were notified, 11 of which were removed to hospital for treatment. The figures for the previous year were 3 and 5 respectively. There was 1 death from Puerperal Sepsis.

Primary Pneumonia.—124 cases were reported as against 143 in 1946, 105 were treated in hospital. The total number of deaths from all forms of pneumonia was 42 as against 39 in the previous year.

Influenzal Pneumonia.—9 cases were notified as against 15 in 1946. 5 were removed to hospital.

Cerebro-Spinal Meningitis.—15 cases were notified, the same number as in 1946. 14 were treated in hospital. 1 death occurred.

Ophthalmia Neonatorum.—5 cases occurred, 1 of which was removed to hospital. No injury to sight resulted.

Poliomyelitis.—37 cases were notified during the outbreak in the summer of 1947. Of these, 10 were not confirmed while the remaining 27 were accepted as suffering from the disease. Of this latter number 3 were treated at home and 24 removed to hospital. The areas affected were: Western district 6; Eastern district 10; Burgh of Kirkintilloch 2; Burgh of Milngavie 2; Helensburgh, Cove, and Kilcreggan 7. There were 5 deaths from this disease. 2 cases occurred at dairy farms one of whom died. The age distribution was as follows: under 1 year 2; 1 to 5 years 7; 10 to 15 years 9; 15 to 25 years 2; 25 to 35 years 3; 35 to 45 years 3; over 65 years 1. On discharge from hospital all cases were referred for further treatment to the Orthopædic Surgeon at the Victoria Infirmary, Glasgow. All have made a good recovery with very little degree of weakness or paralysis.

Infectious Disease at Dairy Farms.—3 cases of infectious disease occurred at dairy farms as follows:—2 confirmed cases of Poliomyelitis, 1 of which proved fatal, and 1 primary pneumonia. All were removed to hospital.

Infectious Disease in Children's Homes, &c.—The following cases were intimated during the year: 3 cases of primary pneumonia at Blairvaddich Children's Home; 3 cases of Erysipilas at Woodilee Mental Hospital.

The following were also dealt with:— 3 cases of primary pneumonia; 2 cases of measles; 1 case of dysentery from Inveruglas Camp, Arrochar; 1 case of pneumonia from a hotel; 1 case of diphtheria from the Royal Naval Sick Bay, Rosneath; all these cases were removed to hospital.

From the various military camps taken over by the Local Authority a total of 17 cases were notified. These included: pneumonia 13; scarlet fever 3; gastro-enteritis 1; all were treated in hospital.

Closure of Schools—It was not found necessary to close any of the schools during the year.

Smallpox Hospital Accommodation:—No case of smallpox occurred within the County during 1947.

COUNTY OF DUNBARTON.
TABLE VIII.—CASES OF INFECTIOUS DISEASE COMING TO THE KNOWLEDGE OF THE
MEDICAL OFFICER DURING 1947.

PARISH.	Polio-myelitis.	Scarlet Fever.	Diphtheria and Mem. Group.	Erysipelas.	Puerperal Fever.	Puerpera Pyrexia.	Primary Pneumonia.	Influenzal Pneumonia.	Cerebro-spinal Meningitis.	Dysentery.	Ophthalmia Neonatorum.	Pulmonary Tuberculosis.	Other Tuberculosis.	Totals.
Bonhill,	..	..	..	..	..	..	3	..	..	1	..	1	..	5
Cardross,	2	25	2	3	..	..	34	6	3	..	1	12	6	94
Dumbarton,	..	17	2	2	1	..	23	..	..	..	..	4	3	52
Kilmarnock,	..	..	..	..	..	..	2	..	..	..	..	..	..	2
Luss,	1	2	..	1	..	..	..	1	..	..	..	..	..	4
Rosneath (Landward),	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Rosneath (Burghal),	1	2	1	..	..	..	..	..	..	..	..	3	..	7
Rhu (Landward),	1	5	..	..	..	1	2	..	4	..	1	1	3	18
Rhu (Burghal),	1	..	1	..	..	..	6	..	..	..	..	5	..	13
West Kilpatrick,	6	..	4	2	..	1	20	..	..	..	..	8	..	41
East Kilpatrick (Landward),	2	20	3	9	..	1	9	1	1	..	1	14	1	62
East Kilpatrick (Burghal),	3	28	3	1	..	1	2	..	..	..	1	11	2	52
Kirkintilloch (Landward),	2	16	1	..	..	1	1	..	1	..	..	7	2	31
Kirkintilloch (Burghal),	..	1	1	3	..	..	3	..	2	..	..	7	4	21
Cumbernauld,	4	32	8	2	3	6	19	1	4	..	1	18	6	104
	4	3	3	1	..	2	..	..	..	..	..	2	1	16
Totals,	27	151	29	24	4	13	124	9	15	1	5	93	23	523
Removed to Hospital.	24	135	28	10	4	11	105	5	14	1	1	52	16	406

COUNTY OF DUNBARTON.

TABLE IX.—SHOWING THE NUMBER OF CASES OF INFECTIOUS DISEASE OCCURRING IN HOUSES OF DIFFERENT SIZES, &c., IN 1947.

Disease.	Number of Apartments.						Cases occurring in					Total No. of Cases.
	One.	Two.	Three.	Four.	Five.	Over Five.	Institutions.	Hotels.	Ships.	Tents.	House-boats.	
Poliomyelitis, ...	...	6	7	4	4	2	...	1	1	...	...	25*
Scarlet Fever, ...	7	42	42	38	13	8	1	...	...	...	...	151
Diphtheria, ...	1	7	9	5	3	3	...	...	1	...	...	29
Erysipelas, ...	...	2	8	5	4	2	3	...	...	...	...	24
Puerperal Fever, ...	...	2	2	...	...	...	...	...	...	...	...	4
Primary Pneumonia, ...	11	36	40	22	5	3	5	...	...	2	...	124
Influenzal Pneumonia, ...	1	5	2	...	...	1	...	...	...	...	...	9
Puerperal Pyrexia, ...	...	3	3	5	2	...	...	...	...	...	...	13
Cerebro-Spinal Meningitis, ...	...	4	6	4	...	1	...	...	...	...	...	15
Dysentery, ...	...	...	...	...	...	...	...	...	...	1	...	1
	20	107	119	83	31	20	9	1	2	3	...	395

*In addition to this total 2 cases were notified from the Royal Naval Barracks at Rosneath.

Vaccination.—Declarations of conscientious objection to vaccination were received during the year by the registrars in the various districts as under :—

Arrochar, - - - - -	1
Bonhill, - - - - -	125
Cardross, - - - - -	5
Dumbarton, - - - - -	1
Kilcreggan and Cove, - - - - -	1
Kilmaronock, - - - - -	1
Luss, - - - - -	1
Renton, - - - - -	69
Rosneath, - - - - -	—
Rhu (Landward), - - - - -	2
Rhu (Burghal), - - - - -	32
Cumbernauld, - - - - -	29
East Kilpatrick, - - - - -	3
Kirkintilloch (Landward), - - - - -	20
Kirkintilloch (Burghal), - - - - -	86
Milngavie (Landward), - - - - -	—
Milngavie (Burghal), - - - - -	8
West Kilpatrick, - - - - -	54
	438

DIPHTHERIA IMMUNISATION SCHEME.

The following table shows, in cumulative form, the number of children immunised during the year. (Exclusive of the pre-school children treated in the Burghs of Clydebank and Dumbarton) :—

No. of Completed Treatments.	School Children Treated.	Pre-School Children Treated.
27,922	19,534	8,388
	Boostings—	
	1,951	

Dissatisfaction must still be expressed at the low number of pre-school children treated. While there is a possibility that a certain number of these infants are being immunised outwith the local authority scheme, urgent need still remains for the "resistant" mother to be convinced that the immunisation of the infant is essential.

TUBERCULOSIS.

REPORT ON COUNTY CASES AND TREATMENT.

At 31st December, 1947, the number of cases on the roll was 827. These cases were distributed as follows:—

503 Respiratory cases.

324 Non-Respiratory cases.

Respiratory Tuberculosis.—128 cases (58 males and 70 females) came to the notice of the Medical Officer during 1947. Of the 58 male cases, 40 were notified for the first time this year, 16 were transferred into this area and 2 were found in the death returns. With regard to the 70 female cases, 53 were notified for the first time this year, 11 were transferred into this area and 6 were found in the death returns.

Of these 128 cases, 23 had no sputum. In 2 cases the patients left the district a short time after notification, before sputum examination could be carried out. An additional 8 cases, came to notice through the death returns and consequently no information could be obtained regarding sputum. Of the 95 patients from whom sputum could be obtained, 70 or 54.7 per cent. of the cases coming to notice had a positive sputum. The age distribution of the cases was as follows:—

AGE PERIODS.								
Under 5	5—10	10—15	15—25	25—35	35—45	45—65	Over 65	Total
4	—	4	31	40	22	25	2	128

Of this number—

35 received sanatorium treatment during the year, as arranged by the Tuberculosis Officer.

2 received domiciliary treatment.

19 died before the end of the year.

8 left the district.

There is an increase in the number of cases which came to the notice of the Medical Officer of Health this year, there being 128 cases as compared with 117 in 1946.

The above total of 128 cases includes 2 female patients from the sanatorium of Woodilee Mental Hospital who died before the end of the year. For statistical purposes these deaths were transferred to other Local Authorities and are not included in the undernoted table which shows the period of survival after notification.

Another case which is not included in this table is that of a male adult whose death was discovered through the death returns. Cause of death was certified as Phthisis, 2 months; Diabetes, 5 years. At the end of the year the Registrar General classified the death as being due to Diabetes Mellitus.

The fourth case, not included in this table is that of a male patient who died as the result of multiple injuries.

Of those who died within the year, the average period of survival after coming to the notice of this Department was 8.32 weeks. And the duration of life after coming to notice is shown in the following table:—

CASES COMING TO NOTICE DURING 1947 AND DYING WITHIN THE YEAR.								
Total	PERIOD OF SURVIVAL AFTER COMING TO NOTICE.							
	Under 1 Week	Under 1 Month	Under 3 M'ths	Under 6 M'ths	Under 9 M'ths	Over 9 M'ths	Notified at Death	In Death Returns
15	2	2	2	3	—	1	—	5

Of the 5 cases found in the death returns, 1 was that of a child under two years of age who died in the Royal Hospital for Sick Children, Glasgow, cause of death being given as Miliary Tuberculosis, Tuberculous Meningitis. Another was a female adult who had been removed to Western Infirmary,

Glasgow, and died from Miliary Tuberculosis, Terminal Broncho-Pneumonia. The case of each of the remaining 3 deaths, all adults, was attributed to Pulmonary Tuberculosis and in one of the cases a secondary condition of Myocarditis and Uræmia was certified.

One of the cases notified to the Medical Officer of Health less than a week before death had been admitted as a case of Pneumonia to one of the County Hospitals, but on investigation proved to be a case of respiratory tuberculosis (sputum positive). The other case died at her own residence, cause of death being given as acute tuberculous broncho-pneumonia.

One of the two cases which came to notice less than a month before death was that of a female adult who had come up from the south and had been resident for a short period in the County before admission to Hospital. On admission there was a history given of the patient having felt ill about five months previously, but of failure to consult a doctor. Two of her sisters had been diagnosed as tuberculous. The patient was extremely ill on admission and died from pulmonary tuberculosis. The prognosis at the outset in the case of the other patient notified less than a month before death was hopeless, the disease being of such an advanced nature as to make treatment impossible.

The two cases, both males, notified less than three months before death, died in Institutions, but again the tuberculosis was of such a severe type that institutional treatment could have little or no effect but only ensured a measure of comfort to the patients.

Of the remaining 4 patients referred to in the above table, 3 died in Sanatoria whilst undergoing treatment, the primary cause of death in all 3 cases being pulmonary tuberculosis. The fourth case, that of a male adult who came to notice less than six months before death, was not admitted to Sanatorium but was kept under observation at home as the appearances in the chest were not suggestive of a tuberculous condition but were more neoplastic in character. The death was classified as being due to pulmonary tuberculosis but this condition was never confirmed.

The total deaths from respiratory tuberculosis for the year show a decrease of 5 compared with the previous year, there being 51 deaths from respiratory tuberculosis in 1946 as against 46 deaths this year.

Non-Respiratory Tuberculosis.—During the year under review, 29 cases (9 males and 20 females) came to the notice of the Medical Officer. All of the 9 male cases were notified for the first time this year. With regard to the 20 female cases, 19 were notified for the first time this year, while 1 case was found in the death returns. These cases may be conveniently classified according to age and situation of the disease as follows :—

Situation of the Disease.	AGE PERIODS.								Total.
	Under 5	5—10	10—15	15—25	25—35	35—45	45—65	65 & Over.	
Glands, -	2	4	—	2	—	—	1	—	9
Bones and Joints, -	1	1	—	3	—	—	—	1	6
Abdomen, -	1	1	—	—	1	—	—	—	3
Spine, -	—	—	—	1	1	—	1	—	3
Meninges, -	5	—	1	—	—	—	—	—	6
Others, -	—	—	—	2	—	—	—	—	2
Total, -	9	6	1	8	2	—	2	1	29

Of this number—

16 received treatment in sanatoria, as arranged by the Tuberculosis Officer.

8 died before the end of the year.

1 left the district.

There is a decrease of 3 in the number of cases of non-respiratory tuberculosis which came to notice this year, There being 29 cases as compared with 32 in 1946. As in previous years “gland” infections were the largest proportion.

The above total of 29 cases includes 1 patient from the sanatorium of Woodilee Mental Hospital who died before the

end of the year. The primary cause of death was stated as tuberculosis of right elbow, 6 months, with secondary cause as cardio-vascular degeneration. This death has been transferred to another Local Authority and is not included in the following table.

Of those who died within the year, the average period of survival after coming to the notice of this Department was 1.08 weeks and the duration of life after coming to notice is shown in the following table :—

CASES COMING TO NOTICE DURING 1947 AND DYING WITHIN THE YEAR.								
Total	PERIOD OF SURVIVAL AFTER COMING TO NOTICE.							
	Under 1 Week	Under 1 Month	Under 3 M'ths	Under 6 M'ths	Under 9 M'ths	Over 9 M'ths	Notified at Death	In Death Returns
7	2	3	—	—	—	—	1	1

Of the case found in death returns, the cause of death was certified as intestinal obstruction,, novocain anæsthesia (cardiac failure) tuberculosis—calcum and part of ascending colon; tuberculosis—intestines and peritoneum.

Tuberculous meningitis was the cause of death in the case which was notified to the Medical Officer, at death. The Medical Practitioner had only been called in to see the patient, a baby of 6 months old, on the day in which the child died.

Tuberculous meningitis was again the cause of death in the 5 cases which came to notice—2 less than a week before death and 3 less than a month before death. 4 of the patients were under 2 years of age while the remaining patient was 13 years of age. All 5 children died in Hospital.

There is an increase in the number of deaths from non-respiratory tuberculosis amongst cases coming to notice during the year as compared with the previous year, there being 7 deaths this year as against 5 in 1946. There is also an increase over the total non-respiratory deaths for the year, there being 8 non-respiratory deaths returned by the Registrar General this year as against 7 in 1946.

Sanatorium Treatment.—During the year 192 patients were treated in sanatoria, 5 of whom had treatment in two institutions within the course of the year, while 1 case received treatment on two occasions in the same Institution. The following table gives the names of the Sanatoria and the number of admissions to each :—

Name of Sanatorium.	Number of Admissions.
Lennox, - - - - -	45
Helensburgh, - - - - -	25
Camis Eskan, - - - - -	34
Dumbarton, - - - - -	4
Ruchill, - - - - -	1
Mearnskirck, - - - - -	3
Stobhill, - - - - -	1
Robroyston, - - - - -	1
Hairmyres, - - - - -	4
Stonehouse, - - - - -	15
Upperton, - - - - -	1
Bridge-of-Weir, - - - - -	25
St. Andrew's, - - - - -	19
Law Junction, - - - - -	6
Bridge of-Earn, - - - - -	6
Grampian, - - - - -	6
Southfield, - - - - -	1
Bangour, - - - - -	1

Thoracic Surgical Treatment.—During the year 1947, 11 patients were transferred for thoracic treatment from the Sanatoria in which they were having institutional treatment to Hairmyres Hospital, East Kilbride, 2 of the patients returning on two occasions to Hairmyres during the year. Another patient was admitted to Hairmyres from his own home, for similar treatment. Thoracic treatment was also given at Mearnskirck Hospital, Newton Mearns, to another patient transferred from a Sanatorium.

Domiciliary Treatment.—There were 38 tuberculous patients (27 respiratory and 11 non-respiratory) receiving domiciliary treatment (milk) during the year, the cost of which amounted approximately to £178 18s. 4d.

Drugs.—The prescribing of necessary drugs and dressings

for home cases was mainly done by the family doctor, the cost being £51 7s. 10d.

Pneumothorax Treatment.—As in previous years, out-patient treatment for artificial pneumothorax has been carried on usually at the Clinic of Glasgow Corporation at 35 Baird Street, Glasgow.

X-Ray Examinations.—During 1947, 848 X-Ray examinations were carried out, 813 for respiratory and 35 for non-respiratory conditions (516 of these examinations were carried out by means of the portable X-ray unit). Of the 813 respiratory conditions 228 gave positive and 527 negative results, and in 58 cases other pathological conditions were diagnosed. Of the 35 non-respiratory conditions, 15 gave positive and 20 negative results. The following table gives particulars of the conditions with regard to localisation of disease and relative results :—

Localisation of Disease.	Number of X-ray Examinations.	Results.		
		Positive.	Negative.	Other Pathological Conditions
Chest, - - -	813	228	527	58
Spine, - - -	16	9	7	—
Joints—Sacro Iliac, -	2	—	2	—
Elbow, - - -	3	1	2	—
Knee, - - -	1	—	1	—
Hip, - - -	4	2	2	—
Bones—Sacrum, - - -	1	—	1	—
Pelvis, - - -	1	—	1	—
Arm, - - -	1	1	—	—
Wrist, - - -	1	1	—	—
Foot, - - -	3	—	3	—
Ankle, - - -	2	1	1	—

In compliance with the instructions contained in Department of Health Circular No. D.H.S. 51/1944, which relates to the examination of nursing and domestic staffs engaged in tuberculosis institutions, and to Department of Health Circular No. D.H.S. 131/1944 which deals with tuberculosis examination of

staffs of war-time nurseries, &c., the following X-ray examinations have been carried out:—

Examination of Staff of Tuberculosis Institutions, War-Time Nurseries, etc.	Results.	
Number of Examinations.	Positive.	Negative.
48	—	48

Tuberculin tests and clinical examinations were also carried out as laid down by the Department of Health.

Maintenance Allowance Scheme.—The Government scheme for the payment of maintenance allowance to certain tuberculous patients has continued throughout the year and the following is a summary of the details:—

Maintenance Allowances, - - - -	£1,232	9	9
Discretionary Allowances, - - - -	32	7	0
Special Payments, - - - -	20	17	6
Total,	£1,285	14	3

No. of applications granted from 1/1/47	
to 31/12/47, - - - -	23
Average number receiving allowances weekly, -	16

Rehabilitation.—The necessary contact with the Ministry of Labour Employment Exchanges in the area is maintained to assist in the rehabilitation of patients and in registration under the Disabled Persons (Employment) Act, 1944.

Summary of Tuberculosis Statistics.—The undernoted are the main statistics for the County (Landward) Area for 1947:—

- 81 Respiratory cases coming to notice.
- 18 Non-Respiratory cases coming to notice.
- 32 Deaths (26 respiratory and 6 non-respiratory).
- 118 cases treated in sanatoria.
- 26 cases granted domiciliary treatment.

The statistics for the small burghs are as follows :—

Kirkintilloch.

- 24 Respiratory cases coming to notice.
- 6 Non-respiratory cases coming to notice.
- 11 Deaths (10 respiratory and 1 non-respiratory).
- 34 cases treated in sanatoria.
- 10 cases granted domiciliary treatment.

Milngavie.

- 9 Respiratory cases coming to notice.
- 2 Non-respiratory cases coming to notice.
- 4 Deaths (3 respiratory and 1 non-respiratory).
- 14 cases treated in sanatoria.
- 1 case granted domiciliary treatment.

Helensburgh.

- 13 Respiratory cases coming to notice.
- 3 Non-respiratory cases coming to notice.
- 7 Deaths (respiratory).
- 26 cases treated in sanatoria.
- 1 case granted domiciliary treatment.

Cove and Kilcreggan.

- 1 Respiratory case coming to notice.

TREATMENT OF VENEREAL DISEASE.

Diagnosis and treatment of Venereal Diseases during 1947 continued to be carried out under the arrangements existing with the Corporation of Glasgow. General practitioners within the County sent 52 specimens to the Western Infirmary Laboratory for examination. 48 of these were bloods to be tested for Wasserman reaction. 35 gave negative results, and 13 were positive. The remaining 4 specimens were exudates, 3 giving a negative result, one was doubtful.

Three patients availed themselves of travelling facilities at a cost of £7 16s. 1d.

The following table gives details of the numbers treated in hospitals and clinics.

TABLE GIVING DETAILS OF TREATMENT AT VENEREAL DISEASE CLINICS FOR THE YEAR ENDED 31st DEC., 1947.

TREATMENT CENTRE.	IN-PATIENTS.		OUT-PATIENTS.	
	Number of Persons not previously Out-Patients admitted as In-Patients.	Aggregate number of In-Patient days.	Number of Persons not previously In-Patients treated at Out-Patient Clinics.	Aggregate Out-Patient attendances.
Western Infirmary, -	—	—	8	157
Eye Infirmary, -	—	—	1	183
Black Street Dispensary, -	—	—	115	1,117
Broomielaw Treatment Centre, -	—	—	28	376
Belvidere Hospital, -	—	86	—	—
Bellahouston Treatment Centre, -	—	—	6	44
Baird Street Hospital, -	—	57	25	617
Sick Children's Hospital, -	2	39	1	159
Victoria Infirmary, -	—	—	—	20
Gorbals Clinic, -	—	—	1	4
Totals, - - -	2	182	185	2,677

MEDICAL TREATMENT OF THE SICK POOR.

There were no changes in the arrangements for the medical treatment of the sick poor during the year, nor in the personnel of the District Medical Officers.

The following are the figures usually given to the Department of Health on Health Services, Form 8 :—

	Males.	Females.	Children.	Total.
(a) Persons who received outdoor medical relief in the Council's area.	78	504	64	646
(b) Persons who received medical treatment under the Poor Law in—				
(1) the Council's institutions, including combination institutions in which the Council has a share.	45	38	8	91
(2) other, including voluntary, institutions.	14	48	2	64
TOTALS :	137	590	74	801

NOTE : Persons who in virtue of Section 14 (4) of the Local Government (Scotland) Act, 1929, received domiciliary or institutional treatment otherwise than under the Poor Law are not to be included in these figures.

HOSPITAL AND AMBULANCE FACILITIES.

INFECTIOUS DISEASES HOSPITALS.

The following are the statistics usually included in the form of return made to the Department of Health.

General Hospitals.—There is nothing to report under this heading.

Ambulance Services.—There has been no change in the present arrangements for infectious diseases and general ambulance services.

Helensburgh Hospital.

- | | |
|--|---------|
| (1) Total number of admissions, - - - - | 73 |
| (2) Total number of patients discharged, - - | 53 |
| (3) Total number of deaths, - - - - | 7 |
| (4) Average duration of stay of patients included in 2 and 3 above (total patient days divided by the sum of the deaths and discharges), | days 89 |
| (5) Number of beds occupied— | |
| (a) Average during the year, - - - - | 14 |
| (b) Highest—on 12th December, 1947, - - | 21 |
| (c) Lowest—on 1st June, 1947, - - - - | 11 |
| (6) Number of surgical operations— | |
| (a) Under general or spinal anæsthesia, - - | — |
| (b) Other operations, - - - - | 10 |

Duntocher Hospital.

- | | |
|--|---------|
| (1) Total number of admissions, - - - - | 120 |
| (2) Total number of patients discharged, - - | 105 |
| (3) Total number of deaths, - - - - | — |
| (4) Average duration of stay of patients included in 2 and 3 above (total patient days divided by the sum of the deaths and discharges), | days 37 |
| (5) Number of beds occupied— | |
| (a) Average during the year, - - - - | 12 |
| (b) Highest—on 19th June, 1947, - - - - | 24 |
| (c) Lowest—on 19th and 23rd September, 1947, - - - - | 3 |

- (6) Number of surgical operations—
- | | | | |
|---|---|---|---|
| (a) Under general or spinal anæsthesia, - | - | - | — |
| (b) Other operations, - | - | - | 6 |

Lennox Hospital.

- | | | | | |
|--|---|---|------|-----|
| (1) Total number of admissions, - | - | - | - | 130 |
| (2) Total number of patients discharged, - | - | - | - | 116 |
| (3) Total number of deaths, - | - | - | - | 21 |
| (4) Average duration of stay of patients included in 2 and 3 above (total patient days divided by the sum of the deaths and discharges), | | | days | 71 |
| (5) Number of beds occupied— | | | | |
| (a) Average during the year, - | - | - | - | 26 |
| (b) Highest—on 26th December, 1947, - | - | - | - | 34 |
| (c) Lowest—on 27th August, 1947, - | - | - | - | 19 |
| (6) Number of surgical operations— | | | | |
| (a) Under general or spinal anæsthesia, - | - | - | - | 5 |
| (b) Other operations, - | - | - | - | 27 |

Dumbarton Joint Hospital.

- | | | | | |
|--|---|---|------|-----|
| (1) Total number of admissions, - | - | - | - | 265 |
| (2) Total number of patients discharged, - | - | - | - | 245 |
| (3) Total number of deaths, - | - | - | - | 25 |
| (4) Average duration of stay of patients included in 2 and 3 above (total patient days divided by the sum of the deaths and discharges), | | | days | 28 |
| (5) Number of beds occupied— | | | | |
| (a) Average during the year, - | - | - | - | 26 |
| (b) Highest—on 19th December, 1947, - | - | - | - | 36 |
| (c) Lowest—on 30th August, 1947, - | - | - | - | 13 |
| (6) Number of surgical operations— | | | | |
| (a) Under general or spinal anæsthesia, - | - | - | - | 2 |
| (b) Other operations, - | - | - | - | — |

TABLE X.—ADMISSIONS TO HELENSBURGH HOSPITAL, 1947.

Age of Patients.	0-5		5-10		10-20		20-30		30-40		40-50		Over 50		Totals.		
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	Both
DIPHTHERIA— Recovered, - - - - -	2	...	...	1	1	1	...	...	...	...	...	...	...	...	3	2	5
PULMONARY T. B.— Discharged, - - - - -	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Remaining, - - - - -	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Died, - - - - -	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
PNEUMONIA— Recovered, - - - - -	1	2	3	...	...	...	2	...	...	...	...	...	3	3	9	7	16
Remaining, - - - - -	...	1	1	...	...	...	1	...	...	...	...	...	...	...	2	2	4
Died, - - - - -	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1
PLEURAL EFFUSION— Recovered, - - - - -	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
PNEUMONIA and WHOOPING COUGH— Recovered, - - - - -	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
PARA-TYPHOID FEVER— Recovered, - - - - -	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
ENCEPHALITIS LETHARGICA— Recovered, - - - - -	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1	...	1
MENINGITIS— Recovered, - - - - -	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1
DYSENTERY— Recovered, - - - - -	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1
MEASLES— Recovered, - - - - -	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1
VINCEN'S ANGINA— Recovered, - - - - -	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	2
TUBERCULOUS MENINGITIS— Transferred, - - - - -	...	...	1	...	1	...	...	...	...	...	...	...	...	...	2	...	2
POLIOMYELITIS— Recovered, - - - - -	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	1	1
GASTRO-ENTERITIS— Died, - - - - -	...	1	...	...	...	...	...	...	...	...	...	...	...	...	2	...	2
MUMPS— Recovered, - - - - -	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1
SCARLET FEVER— Recovered, - - - - -	...	...	2	...	1	...	...	...	...	...	...	...	...	...	1	...	1
CELLULITIS— Recovered, - - - - -	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	1	4
Totals, - - - - -	3	7	7	2	6	4	12	9	2	2	4	2	7	6	41	32	73

TABLE XI.—ADMISSIONS TO DUNTOCHER HOSPITAL, 1947.

Age in Years.	0-5		5-10		10-20		20-30		30-40		40-50		Over 50		Totals.		
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	Both.
SCARLET FEVER—																	
Recovered, - - -	16	11	21	24	11	14	2	2	...	...	...	...	...	...	50	51	101
Remaining, - - -	3	2	...	7	1	...	1	...	...	...	...	...	...	...	5	9	14
ERYSIPELAS—																	
Recovered, - - -	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	3	3
Remaining, - - -	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	1
QUINSY—																	
Recovered, - - -	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1	...	1
Totals,-	19	13	21	31	12	14	4	2	...	...	...	...	...	4	56	64	120

TABLE XII.—ADMISSIONS TO LENNOX HOSPITAL, 1947.

Age of Patients.	0-5		5-10		10-20		20-30		30-40		40-50		Over 50		Totals.		
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	Both
DIPHTHERIA—																	
Recovered, - - - - -	3	4	..	2	2	2	..	3	..	..	..	1	..	..	5	12	17
Remaining, - - - - -	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
PULMONARY T.B.—																	
Discharged, - - - - -	..	..	..	..	..	..	1	2	..	2	..	..	..	..	1	4	5
Remaining, - - - - -	..	..	..	..	..	..	1	3	1	2	..	1	..	1	4	7	11
Died, - - - - -	..	..	..	..	..	..	1	..	1	..	1	..	1	..	4	..	4
PNEUMONIA—																	
Recovered, - - - - -	3	2	1	..	1	2	2	4	6	..	3	3	6	3	22	14	36
Remaining, - - - - -	2	..	..	..	1	..	1	..	2	..	..	..	1	..	7	..	7
Died, - - - - -	1	..	..	..	..	..	..	..	..	..	..	..	1	1	2	1	3
POLIOMYELITIS—																	
Recovered, - - - - -	2	2	..	3	3	2	1	2	2	..	1	..	1	..	10	9	19
Died, - - - - -	1	1	1	1	1	..	..	..	..	..	..	..	..	..	3	2	5
PNEUMONIA AND WHOOPING COUGH—																	
Recovered, - - - - -	..	..	2	..	..	..	..	..	..	..	..	..	..	..	2	..	2
Died, - - - - -	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1
DIABETES AND TONSILITIS—																	
Recovered, - - - - -	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	1	1
BRONCHITIS—																	
Recovered, - - - - -	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	1	1
PLEURISY—																	
Recovered, - - - - -	..	..	..	..	..	..	..	..	..	..	..	1	1	1	1	1	2
MENINGITIS—																	
Recovered, - - - - -	2	1	2	..	1	..	2	..	..	..	..	..	..	..	7	1	8
MEASLES—																	
Recovered, - - - - -	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	1	1
TUBERCULOUS MENINGITIS—																	
Died, - - - - -	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1
ERYSIPELAS—																	
Recovered, - - - - -	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	2	2
TONSILITIS—																	
Recovered, - - - - -	..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	1
ANEURYSM OF CIRCLE OF WILLIS—																	
Remaining, - - - - -	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	1	1
INFLUENZA—																	
Recovered, - - - - -	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	1	1
SCARLET FEVER AND CHICKENPOX—																	
Recovered, - - - - -	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1
Totals, - - - - -	15	12	6	6	10	6	9	15	12	8	5	5	13	8	70	60	130

ORIGINAL ARTICLES	
1	THE JOURNAL OF THE AMERICAN MEDICAL ASSOCIATION
2	PUBLISHED WEEKLY
3	CHICAGO, ILL., U.S.A.
4	Vol. 10, No. 1, January 1917
5	CONTENTS
6	THE JOURNAL OF THE AMERICAN MEDICAL ASSOCIATION
7	PUBLISHED WEEKLY
8	CHICAGO, ILL., U.S.A.
9	Vol. 10, No. 1, January 1917
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31	THE JOURNAL OF THE AMERICAN MEDICAL ASSOCIATION
32	PUBLISHED WEEKLY
33	CHICAGO, ILL., U.S.A.
34	Vol. 10, No. 1, January 1917
35	CONTENTS
36	THE JOURNAL OF THE AMERICAN MEDICAL ASSOCIATION
37	PUBLISHED WEEKLY
38	CHICAGO, ILL., U.S.A.
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ULTRA-VIOLET LIGHT TREATMENT.

The following are the details of the work done at Alexandria, Kirkintilloch and Helensburgh Clinics:—

ALEXANDRIA CLINIC.

Maternity and Child Welfare Cases Treated.

Number of patients treated, - - -	22
Total number of attendances, - - -	323
Average number of treatments, - - -	15

	No. of Patients.	Improved.	Condition unchanged
Debility, - - - - -	10	8	2
Rickets, - - - - -	1	1	—
Adenitis associated with septic tonsils, &c., - - - -	4	3	—
Bronchitis, - - - - -	6	5	1
Others, - - - - -	1	1	—

School Cases Treated.

Number of cases treated, - - -	31
Total number of attendances, - - -	425
Average number or treatments, - - -	14

	No. of Patients.	Improved.	Condition unchanged
Debility, - - - - -	9	6	3*
Bronchial conditions, - - -	8	7	1
Asthma, - - - - -	4	4	—
Adenitis associated with septic tonsils, &c., - - - -	7	6	1*
Anæmia, - - - - -	2	1	1
Skin, - - - - -	1	1	—

* Discontinued Treatment.

KIRKINTILLOCH CLINIC.

Maternity and Child Welfare Cases Treated.

Number of patients treated, - - -	11
Total number of attendances, - - -	138
Average number of treatments, - - -	12

	No. of Patients.	Improved.	Condition unchanged
Debility, - - - - -	6	3	3
Skin conditions, - - - - -	3	3	—
Glands, - - - - -	2	1	1

School Cases Treated.

Number of patients treated, -	-	-	15
Total number of attendances, -	-	-	359
Average number of treatments, -	-	-	24

	No. of Patients.	Improved.	Condition unchanged.
Debility, - - - - -	7	5	2
Skin conditions, - - - - -	2	2	—
Glands, - - - - -	6	3	3

Tuberculosis Cases Treated.

Number of patients treated, -	-	-	1
Total number of attendances, -	-	-	9
Average number of treatments, -	-	-	9

	No. of Patients.	Improved.	Condition unchanged.
Glands, - - - - -	1	1	—

HELENSBURGH CLINIC.

Maternity and Child Welfare Cases Treated.

Number of cases treated, -	-	-	9
Total number of attendances, -	-	-	95
Average number of treatments, -	-	-	10

	No. of Patients.	Improved.	Condition unchanged.
Debility, - - - - -	3	3	—
Rickets, - - - - -	1	1	—
Glands, - - - - -	3	2	1
Bronchitis, - - - - -	2	1	1

School Cases Treated.

Number of patients treated, -	-	-	16
Total number of attendances, -	-	-	295
Average number of treatments, -	-	-	19

	No. of Patients.	Improved.	Condition unchanged.
Debility, - - - - -	7	5	2
Bronchitis, - - - - -	7	6	1
Alopecia, - - - - -	1	—	1
Rheumatism, - - - - -	1	1	—

Tuberculosis Cases Treated.

Number of patients treated, -	-	-	2
Total number of attendances, -	-	-	40
Average number of treatments, -	-	-	20

	No. of Patients.	Improved.	Condition unchanged.
Glands, - - - - -	2	2	—

SUPPLY OF INSULIN IN DIABETIC CASES, 1947.

Nineteen Patients received insulin during the year, of whom 10 paid the net cost, two paid half the cost, seven patients, including one school child, receiving their supplies free. The total amount issued was 160.100 units costing £66 14s. 2d. Refunds were received for 100.400 units.

BLIND PERSONS ACT.

During the year, under the provisions of the Local Government (Scotland) Act, 1947, the Burgh of Clydebank became a Blind Welfare Authority under the Blind Persons Act. Accordingly, the functions which had been exercised by the County Council in respect of blind persons resident in that Burgh were transferred to the Town Council of Clydebank. The following tables give the details regarding the blind persons in the County. During 1947, 12 certificates were issued to enable claims to be made for four wireless licences, while seven travelling passes were provided.

STATEMENT SHOWING NUMBER OF BLIND PERSONS ON REGISTER DURING 1947.

	On Register at 1/1/47.	Added during year.	Total.	Died During Year.	Left district during year.	Certification withdrawn.	On Register at 31/12/47.
Burgh of Kirkintilloch,	12	3	15	1	1	1	12
Burgh of Helensburgh,	9	...	9	1	...	...	8
Burgh of Milngavie, ...	7	4	11	...	...	...	11
Burgh of Kilcreggan, ...	1	...	1	1	...	...	...
Eastern Area							
(Landward), ...	29	3	32	1	..	...	31
Western Area							
(Landward), ...	44	2	46	7	...	...	39
	102	12	114	11	1	1	101

TABLE XIV.—STATISTICS RELATIVE TO BLIND PERSONS AS AT 1st APRIL, 1948.

DUNBARTON COUNTY (INCLUDING SMALL BURGHs).

M = Males; F = Females; T = Total.

TABLE I.—CASES REGISTERED FOR FIRST TIME DURING YEAR ENDED 31st MARCH, 1948.

Probable Year of Onset.	AGE AT REGISTRATION.														
	0-4		5-15		16-39		40-49		50-69		70+		TOTAL.		
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	
Prior to 1944, " " "	115	121	108	111	111	115	108	111	108	111	1	2	2	1	3
1944, " " " "	115	111	111	115	111	115	111	115	111	115	1	1	1	1	1
1945, " " " "	111	115	111	115	111	115	111	115	111	115	1	1	1	1	1
1946, " " " "	111	115	111	115	111	115	111	115	111	115	1	1	1	1	1
1947, " " " "	111	115	111	115	111	115	111	115	111	115	1	1	1	1	1
1948, " " " "	111	115	111	115	111	115	111	115	111	115	1	1	1	1	1

TABLE II.—CASES REGISTERED FOR FIRST TIME DURING YEAR ENDED 31st MARCH, 1948.
CERTIFICATION OF BLINDNESS.

[illegible]

TABLE III.—NUMBERS ACCORDING TO DIFFERENT AGE-GROUPS OF ALL BLIND PERSONS ON THE REGISTER.

0-2		3-4		5-15		16-17		18-29		30-39		40-49		50-69		70+		TOTAL.			
M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	T.	
...	...	...	...	1	..	..	..	4	2	4	1	5	3	19	22	23	21	65	60	105	

TABLE IV.—CLASSIFICATION OF BLIND SCHOOL CHILDREN (3 TO 15 YEARS INCLUSIVE).

	Normal.		Mentally Sub-normal.		Physically Defective.		Both Mentally Sub-normal and Physically Defective.		TOTAL.	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
At School—										
Blind Institution,	..	1	..	..	..	..	..	..	1	1
Education Authority School,	..	..	..	..	..	..	..	..	..	..
Not at School,	..	..	..	..	..	..	..	..	..	..
Total,	..	1	..	1	..	..	..	..	1	1

TABLE V.—EMPLOYMENT, &c., CONDITION OF BLIND PERSONS OF 16 YEARS AND OVER.

EMPLOYED.										Unemployed and Untrained but with some capacity.				Unemployable.						TOTAL.						
In Institutions for the Blind.														Probably Transferable.				Untrainable but Employable in Occupation of some sort.								
Undergoing Industrial Training.					Undergoing Secondary or Professional Education.					In Workshops.					Outwith Institutions for the Blind (d)											
(a)					(b)					(c)					Under Home Workers Scheme.				(e)				(f)		(g)	
M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
2	1		1			5	3		2		9				2						34	45	55	49	104	

TABLE VI.—THE PROBABLY TRAINABLE BLIND.

[illegible]

No.	Name	Age	Sex	Religion	Marital Status	Occupation	Education	Remarks
1	John Doe	25	M	Protestant	Single	Teacher	High School	
2	Jane Smith	30	F	Catholic	Married	Homemaker	College	
3	Robert Johnson	45	M	Methodist	Married	Engineer	University	
4	Mary White	20	F	Baptist	Single	Student	High School	
5	William Brown	55	M	Presbyterian	Married	Retired	College	
6	Elizabeth Green	35	F	Anglican	Married	Nurse	University	
7	James Black	18	M	Quaker	Single	Student	High School	
8	Sarah Grey	40	F	Evangelical	Married	Homemaker	College	
9	David King	60	M	Protestant	Married	Farmer	High School	
10	Lillian Lee	28	F	Catholic	Single	Teacher	College	

E.—PORT SANITARY ADMINISTRATION.

There is nothing to report under this heading.

F.—FACTORIES ACT, 1937.

Appended is the report required under the above heading, submitted on Form 573. Annual Report of the Medical Officer of Health for the year 1947, for the County of Dunbarton.

1. Inspections for purposes of provisions as to health (including inspections made by Sanitary Inspectors).

PREMISES.	Number on Register.	Number of		
		Inspections.	Written Notices.	Occupiers Prosecuted.
(1). Factories in which Sections 1, 2, 3, 4 and 6 are to be enforced by Local Authorities, - -	80	161	—	—
(2). Factories not included in (1) in which Section 7 is enforced by the Local Authority, - - -	134	225	4	—
(3). Other Premises in which Section 7 is enforced by the Local Authority † (excluding outworkers premises), - - -	34	90	7	—
† i.e. Electrical Stations, Institutions and Sites of Building Operations and Works of Engineering Construction.				
Total, - - -	248	476	11	—

2. Defects Found.

PARTICULARS.	Number of Defects.			Number of Cases in which Prosecutions were Instituted.
	Found.	Remedied.	Referred by H.M. Inspector	
Want of Cleanliness (S.1)	1	1	1	—
Overcrowding (S.2)-	—	—	—	—
Unreasonable Temperature, (S.3) -	—	—	—	—
Inadequate Ventilation, (S.4) -	—	—	—	—
Ineffective Drainage of Floors (S.6) -	—	—	—	—
Sanitary Conveniences (S.7)—				
(a) Insufficient -	8	7	4	—
(b) Unsuitable or Defective, -	1	1	1	—
(c) Not Separate for Sexes -	—	—	—	—
Other Offences against the Act (not including Offences relating to Outwork), -	1	—	1	—
Total, - - -	11	9	7	—

Part VIII of the Act—Outwork (Sections 110 and 111),...Nil.

REPORT BY SANITARY INSPECTOR IN THE WESTERN AREA.

HEALTH DEPARTMENT,
ALEXANDRIA.

LADIES AND GENTLEMEN,

In accordance with instructions laid down by the Department of Health, I have pleasure in submitting my report for the year ended 31st December, 1947.

GENERAL SANITATION.

WATER SUPPLIES.

During the year the following samples of water which were considered susceptible to pollution were taken for chemical and bacteriological analysis:—

1. From tap in Engineer's Quarters, North Camp, Inveruglas.
2. From tap in Canteen Kitchen, Ardvorlich Camp.
3. From stream on hillside, Loch Sloy.
4. From shallow well, Dumbain Farm, Balloch.
5. From kitchen tap, Prospect Place, Arrochar.
6. From Canteen tap, Tarbet School.
7. From Schoolhouse tap, Tarbet.
8. From Canteen tap, Ardvorlich Camp.
9. From ablution hut, Tullichewan Camp.
10. From Row B., Tullichewan Camp.
11. From scullery tap, Blairnile Farm, Kilmaronock.
(Well supply).
12. From scullery tap, Blairnile Farm, Kilmaronock.
(Lochend supply).
13. From shallow well, Westerton Estate Offices, Ballagan.

Five of the samples had very poor bacteriological results and four had not very good results. The question of providing alternative supply to the farms has been the subject of negotiation with the factors or owners, and a supply from the public gravitation main cannot meantime be considered until the mains are extended. During the year the water level in Arrochar reservoir fell to such a level as to give cause for anxiety, the cause being later traced to a split pipe.

At Tarbet which is a private supply, it was found necessary, for a short period owing to drought, to transport water in tanks from the Vale of Leven supply sufficient to ease the situation there. In the remainder of the Western District a good and plentiful supply was at all times available in the special water supply districts, while the Housing programme being carried out has necessitated the extension of mains in Cardross, Garelochhead, and Vale of Leven.

DRAINAGE SYSTEM.

During the year extensions were made to main sewers in order to serve housing schemes erected, or in process of erection at Arrochar, Garelochhead, Cardross, and Vale of Leven, while work at Gartocharn, which was held in abeyance during the war years, is now being proceeded with. All existing sewers continue to function satisfactorily, although occasional obstructions have caused chokage requiring attention.

RIVERS POLLUTION.

Throughout the year the conditions of the Gareloch waters and foreshore caused concern owing to the deposit of oil, grease, &c., by ships moored therein. The matter was discussed with adjoining Local Authorities, Clyde Trust, and representatives of the Admiralty, and later an arrangement was agreed to whereby ship refuse and swill is brought by barge to Gully Bridge and Faslane Port, and there collected by Scavenging Contractors, for deposit at Rhu and Garelochhead scavenging tips. I am hopeful that this will mean a consider-

able improvement in these waters and foreshore. No other instances of pollution of streams were detected or reported during the year. Dalmoak pumping station discharges continue to be satisfactory.

SCAVENGING—VALE OF LEVEN AND RENTON DISTRICTS.

The following table shows a record of the work undertaken by the Department. In last year's report I referred to authority having been obtained for the purchase of a new 5-ton Dennis wagon. This so far has not been delivered. All the existing transport, with the exception of a 5-ton Ford wagon, has an average age of 12 years, and while all are still in service, occasions have arisen where one or other has had to be out of commission for major or minor repairs or overhaul. In view of the increased housing within the area, and other houses still to be erected, this is and will be a great handicap unless early delivery of the new wagon can be obtained, with a further replacement to the existing fleet. Three 5-ton Albions, 1 2-ton Albion and 1 5-ton Fordson operate in Alexandria, while 1 5-ton Albion operates in Renton with the assistance there for a half day per week of one of the Vale of Leven wagons. During the year the Vale of Leven District was extended to include Gartocharn, in the Parish of Kilmaronock, while certain houses outwith the district now have a service following application by the occupier. In the early part of the year a considerable amount of extra work had to be undertaken for the removal of a heavy snow fall, and the gritting of frost and snow-bound streets. No sooner was one fall cleared than another had to be dealt with. The night freezing of that not already removed added considerably to the labour involved. The reclaimed ground at Auchencarroch and Pillanflats Coups continues to be used by the farmers for cropping purposes.

The following loads of refuse were removed and disposed of :—

Vale of Leven.—3701 loads to Auchencarroch Coup.

Renton.—954 loads to Pillanflats Coup.

CARDROSS, CRAIGENDORAN, RHU, GARELOCHHEAD,
ROSNEATH AND CLYNDER, AND ARROCHAR AND
TARBET SPECIAL SCAVENGING DISTRICTS.

The question of extending either Rhu or Garelochhead Scavenging Districts to include the Shandon area is still receiving the attention of the Committee. I am very hopeful that a satisfactory solution to this problem will be arrived at. Consideration was also given during the year to the question of extending the boundaries of Rosneath and Clynder scavenging district to include Old Kilcreggan; to extend the boundaries of Garelochhead Scavenging District to include Whistlefield and Portincaple, and to extend the boundaries of Cardross Scavenging District to include Ardoch. After due consideration it was decided to take no action. The area for tipping on Cardross foreshore is rapidly nearing completion, and after inspection of various sites, the Council decided to rent an old quarry on Darleith Road, which should meet the needs of the district for a considerable time. All of these areas are scavenged by private contract, and are generally carried out with satisfaction.

SALVAGE.

The following table shows the salvage return for the year.

SALVAGE—VALE OF LEVEN AND RENTON.

Waste Paper.		Textiles.		Bones.		Bottles and Jars.		Scrap Metal.		Total Tonnage.		Value.		
T.	C.	T.	C.	T.	C.	T.	C.	T.	C.	T.	C.	£	s.	d.
104	19½	2	2½	-	6½	-	17½	1	11	109	16½	801	9	0

The results following the special appeal to householders to save everything possible are somewhat disappointing, but this to a certain extent may be accounted for by the curtailment of newsprint supply. A re-arrangement for collection has now been effected and I am hopeful that this will show a substantial increase.

LIGHTING.

The total number of street lighting standards in the Vale

of Leven and Renton Lighting Districts is 897. With the exception of 7, all are lit by gas. There are in course of erection at Tullichewan Housing Scheme 56 standards to be lit by electricity. In the early part of the year due to the fuel crisis, a 50 per cent. reduction in gas consumption for street lighting was insisted on. This was in operation until the end of the year, and all lamps were extinguished at midnight with the exception of corner lamps and those at vital points requested by the Police. During the year a request was received from the Industrial Estate at Strathleven for the erection and maintenance of street lighting within the Estate, but as this will mean an extension of the boundaries of the Vale of Leven Lighting District, the question is still under consideration because of the capital expenditure involved. In my last report I made reference to the amount of wilful damage to glass and mantles by irresponsible youths—so far there is not any improvement, and the glass situation is still very serious although the supply of mantles has improved. Damage done to standards and lanterns by motor vehicles, and claims made in respect thereof, amounted to £26 16s. 3d. in the Vale of Leven District, and £8 3s. 9d. in the Renton District.

Cardross and Craigendoran.—

The cleaning of outer globes and replacement of spent bulbs within the above districts is contracted out to local tradesmen on a yearly basis. It was, however, decided in the early part of the year, in accordance with Government instructions, to discontinue lighting during the fuel emergency, and consequently there was a reduction in the contract price. At the commencement of the 1947/48 lighting season, it was decided that the overall reduction in lighting should be at least 50 per cent., and that 60 watt bulbs at present in use be replaced by 25 watt bulbs. During the year proposals were afoot to include Ardoch in the Cardross lighting district, but after estimated costs, &c., had been submitted it was agreed that no action be taken in the meantime.

Rhu.—

The last report referred to a proposal to form the village of

Rhu into a Special Lighting District. Since then estimates have been taken and submitted, and these were generally accepted, but approval to proceed is withheld by the Ministry of Transport.

NUISANCES.

During the year notice was served on the owner of property at Park Cottages, Kilcreggan, to provide w.c. accommodation. This is still being dealt with. Complaint was also made regarding smoke nuisance from ships moored in the Gareloch, and to the position of swill bins at Faslane Dock. These have been remedied. Complaint was also made with regard to effluent from a farm, and drainage and general conditions of a piggery. The first has been attended to, and action has been taken with regard to the latter. In my last report I referred to nuisance at the Cable Depot, Shandon. This has now been remedied. All other complaints notified to the Department have been dealt with, without the issue of Statutory Notice.

SCHOOLS.

All schools within the area are, from a Public Health point of view, maintained in a satisfactory condition.

BURIAL GROUNDS.

Burial grounds are generally maintained in a satisfactory condition. The agreement with the Deacons' Court of Millburn Church, Renton, permits only of interments in specified lairs. I am of opinion, however, that the day is not far distant when further interments should be prohibited.

COMMON LODGING-HOUSES.

There are no such houses in this area.

BUILDING BYE-LAWS.

CONTROL OF CIVIL BUILDING—DEFENCE REGULATIONS 56A.

Table No. XVI shows the number and types of building submitted for approval. Labour and material shortages are still very acute. During the year it was decided that for a period

TABLE XV.—DETAILS OF SANITARY CONDITIONS.

	No. of Houses with- out water supply and sink inside House.	No. of W.C.s serving Tenants.				No. of Dry Closets serving Tenants.				No. of Privy Middens serving Tenants.				No. of Ashpits serving Tenants.			
		2	3	4	5	2	3	4	5	2	3	4	5	2	3	4	5
Alexandria, - - -	10	350	179	54	24	2	4	—	—	1	2	3	—	—	—	1	1
Bonhill, - - -	10	101	28	9	2	1	3	—	—	1	—	1	—	—	—	—	—
Jamestown and Balloch, -	16	36	42	6	2	2	1	—	—	—	—	—	—	—	—	—	—
Renton, - - -	14	111	71	31	15	—	1	—	—	—	—	—	—	—	—	—	—
Total, -	50	598	320	100	43	5	9	—	—	2	2	4	—	—	—	1	1

of six months no licences be granted for the erection of houses by private enterprise, as the number so licensed would be deducted from that which the Authority would be allowed to build. Civil Building Control up to £100 expenditure is licensed by the Department, where such, after inspection, is considered necessary, while work in excess of £100 on housing is passed to the Council with recommendation or otherwise for licence. The number of inspections made was 735, and the estimated cost of work involved was approximately £.

PUBLIC CONVENIENCES.

No progress can be recorded in the erection of conveniences referred to in my last report. Additional accommodation is being provided at Arrochar. Owing to a road diversion it will be necessary to demolish the convenience at Garelochhead and site anew. Money collected during the year amounted to £235 9s. 9d.

BURIALS.

No burials fall to be reported as having been undertaken in terms of Section 69 of the Public Health (Scotland) Act, 1897.

OFFENSIVE TRADES.

Only one such trade listed under Section 32 of the Public Health (Scotland) Act, 1897, is operated within the area. No nuisance requiring action has been necessary.

FACTORIES ACT, 1937.

Under the above, direction had to be given to provide an intervening ventilated space to sanitary conveniences in a mechanical factory, to limewash the flour loft in a bakery, and to make good a defective roof light and roof of another bake-house. The latter had not been complied with at the end of the year. At four other works objection was taken to the siting, sufficiency and maintenance of w.c. accommodation. Additional w.c. accommodation was provided in four Mechanical Factories, and progress is in operation for the erection of additional w.c. accommodation in another. Table XVII shows the types of factories in the area. Inspections for the year number 247.

TABLE XVI.—PLANS OF BUILDINGS—WESTERN AREA.

PARISH.	PLANS.						No. of Buildings.				No. of Houses.						
	New Buildings.			Alterations.			Total.	Bungalows, &c.	Cottages.	Flats and Terraced Houses.	Total.	2 Apartments.	3 Apartments.	4 Apartments.	5 Apartments.	Over 5 Apartments.	Total.
	Bungalows, &c.	Cottages.	Flats and Terraced Houses.	Bungalows, &c.	Flats and Terraced Houses.	Ameneded.											
Arrochar, -	...	...	6	2	...	8	2	...	6	8	...	...	4	11	...	1	16
Bonhill, -	2	...	114	4	1	121	6	...	115	121	...	...	4	350	...	...	354
Cardross, -	4	2	16	2	1	25	3	...	17	25	...	...	3	57	...	...	60
Dumbarton, -	1	...	...	...	...	1	1	...	...	1	1	...	...	...	...	...	1
Kilmarnock, -	1	...	1	1	...	3	2	...	1	3	...	...	1	4	1	...	6
Luss, -	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Rosneath, -	2	...	...	1	...	3	3	...	...	3	...	...	2	1	...	...	3
Rhu, -	2	...	2	5	...	9	7	...	2	9	...	...	2	22	5	1	30
Total, -	12	2	139	15	2	170	26	3	141	170	1	16	445	6	2	470	

Plans were also submitted for 24 garages, 1 byre, 1 ship-breaking yard, 4 stores, 1 bothy, 2 electrical sub-stations, 3 Works alterations, 1 wash-house, 5 greenhouses, 3 pavilions, 1 temporary school, 2 workshops, 3 dining halls, 5 garden sheds, 2 shops, 1 tearoom, 1 oil storage tank, 2 petrol pumps, 6 porches, 4 offices, 2 hotels, 1 snack bar, 1 golf clubhouse, 1 Youth Club hut, 1 car park, 1 nurses' home, and 1 pier and access road.

INCREASE OF RENT AND MORTGAGE INTEREST (RESTRICTION) ACTS, 1920-1923.

During the year 21 applications were received and granted under the above.

RATS AND MICE (DESTRUCTION) ACT, 1919

RATS AND MICE (SCOTLAND) ORDER, 1943.

THE RATS (SCOTLAND) ORDER, 1944.

With the co-operation of the public and the Pest Destruction Branch of the Department of Agriculture for Scotland, the rat population has during the year been considerably reduced. Strange as it may seem farmers are as a rule most reluctant to take positive action themselves, or to notify this department of infestation, but are generally ready to take action when notified of their responsibilities. One infestation in a butcher's shop necessitated the removal of a wood floor, and its replacement by concrete and the cement rendering of the walls, while in a grocer's shop it was found necessary to strip the wood lining of a wall and render the same rat proof. If rats are disturbed and displaced from their source of food supply, they will migrate in search of an alternative. A campaign for their reduction must therefore be general and continuous if it is to be effective. As rats are attracted to buildings in search of food, all food stuffs should, as far as possible, be kept in metal receptacles and kept covered. Refuse tips within the County are systematically dealt with by the Ministry of Agriculture (Pests Destruction Branch), while the Naval Base at Rosneath called for special attention. The total number of rats accounted for by the Ministry was 4238, while in minor infestations dealt with by my staff, 125 rats were accounted for.

TENTS, VANS, SHEDS AND HOUSEBOATS.

Loch Lomondside and the Gareloch were greatly taken advantage of by campers, particularly during July and August. Unfortunately there are still the few who, despite

the Bye-Laws and the conditions governing camping, laid down by the camping ground owner, pay not the slightest attention to the most elementary laws of hygiene. At one site this was particularly noticeable by the condition of the ground surrounding tents, and the manner in which the sanitary accommodation is abused. The mere bell-tent is not always acceptable for camping, the tendency now being to substitute a sectional hut complete with doors, windows, cooking stove and a waterproof roof. This being more or less permanently on the site is usually occupied on every available opportunity, and like the disused 'bus-body which is also much in use, is not looked on with favour from a Planning point of view, many of the erections being crude in construction. Camping was scattered well over the Western Area, but by far the greater number were to be found at Row Farm, Luss, my previous remarks with regard to unsatisfactory conditions being applicable here. Despite the fact that the Bye-laws have been in operation since 1927, and it is incumbent upon any person who occupies on the same site a tent, van, shed, or houseboat for a longer period than three days, to notify this department, I still find that less than 5 per cent. of campers do so. This must be remedied in future. The total number of erections inspected was approximately 365, occupied by 1275 persons.

MILITARY CAMPS.—Five military camps, surplus to military requirements, are occupied by 138 families who were unfortunate enough not to have a home of their own. Many of these huts, though not all a home should be, are greatly appreciated by those in occupancy in preference to sub-let rooms. The lighting installation at two camps, due to a faulty cable, is meantime out of commission, while at another the load on the cable (due to occupiers connecting cookers and electric fires) was considered dangerous, with the result that for a time the power was cut, but it is now restored. Adaptations are meantime being carried out to provide in each hut, sink and drainage connected therewith, cooking stoves and lighting points, with a sub-division of each hut. The total number of persons housed in these huts is approximately 537.

TABLE XVII.—FACTORIES ACT, 1937.

TRADE OR BUSINESS.	PARISHES.															
	Arrochar.		Bonhill.		Cardross.		Dumbarton.		Kilmarnock.		Luss.		Rosneath.		Rhu.	
	Mechanical.	Non-Mech.	Total.	Mechanical.	Non-Mech.	Total.	Mechanical.	Non-Mech.	Total.	Mechanical.	Non-Mech.	Total.	Mechanical.	Non-Mech.	Total.	Total Mechanical.
Aerated Water Manufacturers,	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	1
Bakers, ..	..	1	1	7	..	7	..	..	..	..	..	..	..	..	..	11
Blacksmiths, ..	..	1	1	2	..	2	..	..	..	..	..	..	..	..	..	4
Bootmakers, ..	..	1	1	3	..	3	..	..	..	..	..	..	..	..	..	10
Bleachers and Dyers, ..	..	..	..	4	..	4	..	..	..	..	..	..	..	..	..	7
Cycle Makers, ..	..	..	..	2	..	2	..	..	..	..	..	..	..	..	..	3
Dressmakers and Milliners, ..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	1
Iron Founders, ..	..	..	..	4	..	4	..	..	..	..	..	..	..	..	..	6
Hosiery Manufacturers, ..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	1
Joiners and Cabinetmakers, ..	..	1	1	2	..	2	..	..	..	..	..	..	..	..	..	3
Launders, ..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	1
Motor Engineers, ..	..	1	1	6	..	6	..	..	..	..	..	..	..	..	..	10
Plumbers, ..	..	1	1	1	..	1	..	..	..	..	..	..	..	..	..	3
Printers, ..	..	..	..	5	..	5	..	..	..	..	..	..	..	..	..	11
Sawmillers, ..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	1
Sculptors, ..	..	..	..	4	..	4	..	..	..	..	..	..	..	..	..	1
Ship and Boat Builders and	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Breakers, ..	..	..	..	3	..	3	..	..	..	..	..	..	..	..	..	3
Tailors, ..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	5
Watch and Clock Makers	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	1
Miscellaneous—Works of Tem-	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	1
porary Nature, etc., ..	3	1	4	1	4	5	..	1	1	..	1	1	..	2	2	4
Total Mechanical, ..	3	..	34	12	..	12	1	..	..	3	..	..	8	..	72	72
Total Non-Mechanical, ..	..	6	..	..	12	..	..	1	..	..	2	..	..	9	..	64
TOTAL, ..	..	..	9	..	..	24	..	..	6	..	..	5	..	..	17	136

HOUSING OF SEASONAL WORKERS.

Throughout the year seasonal workers were accommodated on 17 farms and one Nissen hut within the area, with an average stay of 18 days. The total number of persons thus housed was 396, comprising 213 males and 183 females. Despite the fact that these Bye-Laws have now been in operation for a number of years, I still find that farmers and employers do not give timeous notice of their intention to house workers. Frequently I have been informed that workers will be arriving at a farm probably the following day, thus allowing insufficient time to inspect the premises and to give notice of the number of workers who can be accommodated. In one such case, workers were in possession when the premises were inspected and had to be removed because of its unsuitability. I regret to say that if such failure to give notice on the part of farmers and employers continues, I shall have no alternative but to report the matter for further action.

PRIVATE STREETS AND FOOTWAYS.

Under the above, footways at Arrochar, Hall Street and Stirling Street, Renton, Gilmour Street, Alexandria, Dalmonach Road and Union Street, Bonhill, were made up to Highway Standard. The condition of the roadway and footway at the South end of Queen Street, Alexandria, is being considered.

PUBLIC HEALTH (MEAT) REGULATIONS (SCOTLAND), 1932.

The following private slaughter-houses were licensed during the year :—

Vale of Leven Co-operative Society, Ltd., in respect of premises at Bank Street, Mitchell Street, Alexandria.

James S. Gray, Garelochhead, in respect of premises at Euston Place, Garelochhead.

No slaughtering took place in these premises owing to the policy of centralisation.

Under the Public Health (Scotland) Act, 1897, Section 43, 58 Certificates were granted in respect of articles of food voluntarily surrendered to this department, and destroyed as

unfit for human consumption, while three Ministry of Food (Meat and Livestock) Condemnation Certificates were granted.

FERTILISERS AND FEEDING STUFFS ACT, 1926.

Under the above, a request was made to take a sample of Potato Manure. This was found on analysis not to be of the proper standard. A copy of the report was transmitted to the Department of Agriculture and Fisheries.

FOOD SUPPLY.

MILK AND DAIRIES (SCOTLAND) ACT, 1914.

During the year 7 applications for registration were received and granted. Of these 4 were in respect of changes in occupancy of farms, the new tenants being granted registration, one in respect of premises not registered, and the remaining 2 transferred registrations. During the year occasion was found to warn farmers with regard to:—

(1) Milk not being removed from the byre immediately after milking.

(2) Farm milkhouse being used as a general store.

(3) Storing of fodder and bedding in the dairy byre. In mid-summer many complaints were made as to the keeping qualities of the supply from certain farms, due to the shortage of water supply, and consequently lack of cooling of the milk and sterilization of milk vessels. In connection with the enforcement of Article 13 of the Milk and Dairies (Scotland) Order, 1934, relating to the sealing of milk vessels by a leaden seal before delivery to a common carrier or other person for transit, inspections reveal that this is in many instances not observed, and warnings have been given to the parties responsible. During the year alterations to premises were made as follows:—

Milton Farm, Jamestown. Additional inlet ventilation to byre.

Kipperoch Farm, Dumbarton. Alterations to milkhouse and dairy scullery.

High Milndovan, Cardross. Alterations to byre, new milkhouse and dairy scullery.

Ledrishmore Farm, Balloch. Additional light and ventilation to byre.

Blairquhomrie Farm, Jamestown. Separate house scullery.

Kilmaronock House. Alterations to byre, new milkhouse, dairy scullery and boiler house.

NUMBER OF REGISTERED COWSHEDS, &c.

Parish.	Registered Dairy Farms.	Approx. No. Dairy Cows.	Exempted Dairy Premises.	Approx. No. Cows.	Producers Not Selling by Retail.	Milkshops.	Trading Vans.
Bonhill, -	18	376	3	22	12	11	6
Kilmaronock, -	39	737	—	—	37	—	—
Luss, -	8	110	8	41	6	—	1
Cardross, -	24	461	4	16	18	7	9
Rhu, -	8	136	5	16	4	—	4
Rosneath, -	13	200	—	—	2	1	2
Dumbarton -	3	75	5	20	2	—	1
Arrochar -	1	6	11	37	—	—	1
Burgh of Helensburgh,	2	40	—	—	—	5	2
Burgh of Cove and Kilcreggan, -	—	—	—	—	—	—	6
Totals, -	116	2141	36	152	81	24	32

Barremman Farm, Clynder, New byre.

Little Aiden Farm, Kilcreggan. Alterations to byre, ventilation, new milkhouse, and alterations to dairy scullery.

Colgrain Farm, Cardross. Alterations to byre.

Letrault Farm, Rhu. New milkhouse and dairy scullery.

Rosbank Farm, Arden. Alterations to milkhouse.

MILK (SPECIAL DESIGNATIONS) ORDER, 1936-38.

During the year 8 new licences to use the special designation "Tuberculin Tested," and 1 new licence to use the special designation "Certified" were granted, while 1 "Tuberculin Tested" licence and 1 "Certified" were transferred to other members of previous holders' families. There are now 68 licensed producers within the area made up as follows:— 4 "Certified," 53 "Tuberculin Tested," and 11 "Standard." 5 licences were granted for the retail of "Certified Milk," 11 for the retail of "Tuberculin Tested," 1 for the retail of "Standard," and 19 for the retail of "Pasteurised." The number of designated producers within the area represents 58.6 per cent. of the total number of registered dairy farms. This is only a slight increase compared with last report. 38 samples of school milk were taken for analysis. The Table on page 73 gives a summary of samples taken from which it will be seen that of a total of 337 samples, 36 were unsatisfactory because of high bacterial count representing 10.68 per cent. of the total, while 26 had positive B. Coli count, representing 7.71 per cent. of the samples taken. Of the 38 school milks (31 "Tuberculin Tested," 5 "Pasteurised," and 2 "Ordinary") 9 were unsatisfactory because of high bacterial count, 10 had positive B. Coli, and 2 were unsatisfactory when submitted to the Methylene Blue test. In addition 20 samples of ordinary milk were submitted to the latter test, 7 of which proved to be unsatisfactory. High bacterial counts were, in my last report, greatly accounted for by improper cleansing and inadequate sterilization of dairy utensils. If this matter were given greater care and attention, a marked diminution of unsatisfactory samples would result. In a few instances the high bacterial count was traced to condensation in the vacuum pipe line due to clogging of the automatic spring valve.

ANALYSIS OF SAMPLES OF DESIGNATED MILKS.

Bacterial Count. Over.	Under.	Certified.	T. T.	Standard.	Positive Coli Count.	Total.
—	2,000	7	11	1	...	19
2,000	5,000	6	61	11	2	80
5,000	15,000	7	74	21	2	104
15,000	30,000	1	25	3	2	31
30,000	40,000	...	13	2	1	16
40,000	50,000	...	8	1	...	9
50,000	60,000	...	6	...	2	8
60,000	70,000	...	3	1	...	4
70,000	80,000	...	5	...	...	5
80,000	90,000	1	3	...	1	5
90,000	100,000	...	4	...	1	5
100,000	110,000	...	1	...	1	2
110,000	120,000	...	4	1	1	6
120,000	130,000	...	1	1	...	2
130,000	140,000	...	3	...	...	3
140,000	150,000	1	2	...	...	3
150,000	160,000	...	3	...	...	3
160,000	170,000	...	2	...	...	2
170,000	180,000	...	6	...	1	7
180,000	190,000	...	3	...	...	3
190,000	200,000	...	...	...	...	...
200,000	—	..	31	3	12	46
Totals.			269	45	26	363

SCHOOL MILKS.

Bacterial Count. Over.	Under.	T. T.	Ord- inary.	Pastuer- ised.	B. Coli.	
2,000	5,000	2	...	...	...	
5,000	15,000	2	1	...	...	
15,000	30,000	4	...	...	1	
30,000	40,000	1	...	...	...	
40,000	50,000	3	...	...	...	
50,000	60,000	1	...	...	1	
60,000	70,000	1	...	...	...	
70,000	80,000	2	...	...	1	
90,000	100,000	1	...	...	1	
110,000	120,000	...	1	...	...	
150,000	160,000	1	...	...	...	
160,000	170,000	1	...	...	...	
170,000	180,000	3	...	...	...	
200,000	...	9	...	...	4	
Totals.		31	2	...	8	

FOOD AND DRUGS (ADULTERATION) ACT, 1928.

PUBLIC HEALTH (PRESERVATIVES IN FOOD) REGULATIONS (SCOTLAND) 1925/27.

The following samples were purchased for analysis under the above. Sweet Milk (12), Cooking Fat (2), Sugar (5), Tea (3), Raspberry Jam (1), Butter (3), Margarine (3), Semolina (3), Mince (1), Green Peas (1), Barley (1), White Pepper (1), Vinegar (2), Sausage (1), Meat Rissoles (1), Mixed Spice (1), Mixed Pickles (1), Jellied Veal (1), Table Jelly Crystals (1), Lime Flavoured Cordial (1), Edible Cake Decoration (1). All were found to be genuine with the exception of one sample of Sweet Milk, which was deficient in milk fat to the extent of 25 per cent. Proceedings were instituted in Court in respect of this, but judgement was given in favour of the defendants. Corned Meat (Brazil Brand), a subject of complaint voluntarily surrendered, was on analysis found to be genuine in composition, but had a decided "taint" to smell and taste.

YOUNG PERSONS (EMPLOYMENT) ACT, 1938.

SHOPS ACTS, 1912-1938.

Under Defence Regulations the general closing hours still operate, the opinion of Shopkeepers being that there is no call for longer hours of opening even at the Christmas and New Year periods. Inspections reveal no necessity to warn or take action to enforce the provisions of the Act, while the law relating to the Employment of Young Persons is generally well observed. Table No. XVIII shows the shops under their business categories.

BILLETING.

The number of persons still accommodated under the Government Evacuation Scheme within the area is 101, comprising 24 families. During the year one Hostel was de-requisitioned, and some of the families transferred to another Hostel, while the remainder found accommodation in their home town. Of those remaining 15 families are in Hostels in the Rhu area, 4 families are still accommodated in houses subject to a closing order, 2 are in houses where a rental operates, and 3 are billeted on householders.

SHOPS ACTS, 1912-1938.

TABLE XVIII.—SHOWING NUMBER OF SHOPS AND NATURE OF BUSINESSES CARRIED ON IN THE VARIOUS PARISHES THROUGHOUT THE DISTRICT.

PARISHES.	Bakers.	Butchers.	Chemists.	Clothiers and Tailors.	Cycle Agents, &c.	Confectioners.	Dairies.	Drapers, Dressmakers and Milliners.	Fish and Chip Shops.	Fishmongers.	Fruiterers.	Furniture Dealers.	Grocers.	Hairdressers.	Hardware and Dry-salters.	Ice Cream and Aerated Water Vendors.	Newsagents and Stationers.	Miscellaneous.	Shoemakers.	Tobaccoconists.	Watchmakers.	Tea Rooms and Restaurants.	TOTAL.	
Arrochar, -	1	1	—	—	—	2	—	1	—	—	—	—	2	—	1	1	1	—	—	1	—	—	2	13
Bonhill, -	16	11	4	3	2	7	5	17	7	3	9	2	16	7	6	6	14	63	6	4	1	11	2	220
Cardross, -	7	8	1	3	1	23	5	5	2	1	6	1	11	3	1	3	7	—	3	—	1	2	—	94
Dumbarton, -	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Kilmarnock, -	—	—	—	—	—	—	—	—	—	—	—	—	2	—	—	—	1	—	—	—	—	2	—	5
Luss, -	—	—	—	—	—	1	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	2
Rhu, -	3	1	—	—	1	6	1	—	—	—	—	—	4	—	1	1	4	—	—	—	—	6	—	28
Rosneath, -	1	1	—	—	—	2	—	—	—	—	—	—	3	1	—	—	1	—	—	—	—	—	—	9
Totals, -	28	22	5	6	4	41	11	23	9	4	15	3	39	11	9	11	28	63	10	4	2	23	—	371

HOUSING.

The completion of 187 Aluminium and 50 Whitson Fairhurst Houses in Bonhill Parish during the year helped to relieve the marked overcrowding in this area. No less than 1300 applications were received for these houses. The completion of 10 Swedish timber houses was also a relief to overcrowded and badly housed families in the Cardross area. In consequence of these developments, closing or demolition orders were agreed to in respect of 25 houses in Bonhill Parish, and 21 in Cardross Parish. A closing order in Bonhill Parish, however, is still the subject of dispute. Nine houses are at present requisitioned for the housing of 12 homeless families, 1 being in Cardross Parish, 3 in Rosneath Parish, and 5 in Rhu Parish.

I have the honour to be,

Ladies and Gentlemen,

Your obedient servant,

THOMAS ALLAN.

REPORT BY SANITARY INSPECTOR IN THE EASTERN AREA.

24 GEORGE SQUARE,
GLASGOW, C.2.

LADIES AND GENTLEMEN,

In accordance with Section 87 of the Local Government (Scotland) Act, 1947, I submit to you in terms of D.H.S. Circular No. 10/1948, Annual Report for the year ended 31st December, 1947.

WATER SUPPLY.

During the year twenty-one water samples were drawn from water supplies in the area.

In addition to the regular samples collected to ensure that the standard of quality of the main supplies was being maintained, samples were taken from dip wells and other sources of supply. The question of lead content in water was a particular example but analysis showed a negative result. The scouring of a water main removed suspended matter detrimental to another supply.

A constant examination of dip wells and sampling of water supplies from these sources is necessary to ensure the purity of the supplies.

The following is a record of the samples taken—

No.	From	Water Supply
1E.	Police Station, Cumbernauld.	Lanarkshire.
2E.	Footbridge, Waterside (Brannan's House).	Kirkintilloch.
3E.	Tintoeh (Muir's Property).	Private (Well).
4E.	Tintoeh (Stewart's Property).	Private (Well).
5E.	Tintoeh (Lothian's Property).	Private (Well).
6E.	Tintoeh (Saddler's Brae).	Private (Well).

7E. Tintoch (Field).	Private (Well).
8E. Tintoch (Muir's Property).	Private (Well).
9E. Tintoch (Gartshore Property).	Private (Well).
10E. Tintoch (Martin's Property).	Private (Well).
11E. Tintoch (W. Stewart's Property).	Private (Well).
12E. East Lodge, Bowling.	Bowling.
13E. Police Station, Old Kilpatrick.	Old Kilpatrick. (Private.)
14E. 6 Kirk Place, Condorrat (Wilhare's House).	Lanarkshire.
15E. Milton Brae, Bowling (Spout at well).	Bowling.
16E. Craigdhu Farm, Milngavie.	Private.
17E. Glen Cottage, Castlecary (Dixon's House).	Lanarkshire.
18E. Police Station, Cumbernauld.	Lanarkshire.
19E. Footbridge, Waterside (Brannan's House).	Kirkintilloch.
20E. Police Station, Old Kilpatrick.	Old Kilpatrick. (Private.)
21E. East Lodge, Bowling.	Bowling.

DRAINAGE SYSTEMS—EFFICIENCY.

The Special Drainage Districts—Bearsden, Condorrat and Croy were enlarged as from 16th May, 1947.

In all Special Drainage Districts, sewers are being constructed to meet the requirements of additional houses.

During the year, the use of septic tanks serving four cottages and a Council Housing Scheme at Milton, was discontinued following the drainage systems of the properties being connected to the sewer.

Throughout the area, the drainage systems continue to function efficiently and any defects due to misguided use were readily remedied.

SEWAGE PURIFICATION AND DISPOSAL.

Inspections made at various periods during the year found the sewage plants to be operating successfully.

MILK.

The number of Dairy Premises registered at 31st December, 1947, under the Milk and Dairies (Scotland) Act, 1914, is as follows :—

Parish	Premises Registered							Total Tot. Reg.	Cows
	W.	W.R.	R.	Total	Shops	Vans	Total		
East Kilpatrick,	8	1	7	16	10	16	26	42	721
West Kilpatrick,	2	4	2	8	10	15	25	33	313
Cumbernauld,	11	15	7	33	2	9	11	44	835
Kirkintilloch,	9	10	6	25	9	26	35	60	969
	—	—	—	—	—	—	—	—	—
Total,	30	30	22	82	31	66	97	179	2838
	—	—	—	—	—	—	—	—	—

W. Wholesale.

W.R. Wholesale Retail

R. Retail only

Parish	Premises exempt from Registration			
	Producers			Cows
East Kilpatrick,	-	-	-	—
West Kilpatrick,	-	-	-	—
Cumbernauld,	-	-	-	17
Kirkintilloch,	-	-	-	7
				—
Total,	-	-	-	24
				—

The premises exempt from registration consist solely of Small Holdings where cows are kept only for the use of the owner.

A record of the samples drawn under the Milk (Special Designations) Orders (Scotland) 1936-38, is contained in Table XIX where the results obtained compare favourably with recent years.

During the year, a Licence held by one Producer had to be withdrawn due to samples showing an unfavourable result when analysed. The defect in production was due to inexperienced staff and when the position was remedied, the Licence was again granted as the farm concerned was well equipped and had a reputation for producing milk of good quality.

TABLE XIX.—MILK (SPECIAL DESIGNATIONS) ORDERS (SCOTLAND), 1936-38.

RECORD OF SAMPLES DRAWN FROM FARMS SINCE THE INTRODUCTION OF THE ABOVE ORDERS UNTIL DECEMBER, 1946.

Year ended	No. of Farms	No. of Samples	High Bact. Count	Percentage	Bacilli Coli	Percentage
Introduction of Orders until December, 1942,						
December, 1943,	50	1062	91	8.56%.	63	5.93%.
December, 1944,	51	324	31	9.56%.	32	9.87%.
December, 1945,	58	375	22	5.86%.	24	6.40%.
December, 1946,	63	387	29	7.49%.	22	5.68%.
December, 1947,	64	397	20	5.03%.	15	3.77%.
December, 1947,	66	400	33	8.25%.	34	8.50%.
Totals,	-	2945	226	7.67%.	190	6.45%.
MILKING METHODS						
<i>Hand Milking.</i>						
Introduction of Orders till December, 1942,						
December, 1943,	21	402	20	4.97%.	13	3.23%.
December, 1944,	17	98	5	5.10%.	2	2.10%.
December, 1945,	17	101	-	-	1	0.99%.
December, 1946,	17	101	5	4.95%.	5	4.95%.
December, 1947,	15	94	3	3.19%.	5	5.31%.
December, 1947,	16	90	5	5.55%.	9	10%.
Totals,	-	886	38	4.28%.	35	3.95%.
<i>Machine Milking</i>						
(Total of 6 Milking Machines)						
Introduction of Orders till December, 1942,						
December, 1943,	27	660	71	10.75%.	50	7.57%.
December, 1944,	34	226	26	11.50%.	30	13.27%.
December, 1945,	41	274	22	8.02%.	23	8.39%.
December, 1946,	46	286	24	8.39%.	17	5.90%.
December, 1947,	49	303	17	5.61%.	10	3.30%.
December, 1947,	50	310	28	9.03%.	25	8.06%.
Totals,	-	2059	188	9.13%.	155	7.52%.

To ascertain the keeping quality of the milk from farms not holding a Designated Licence, 45 samples were drawn to permit of a Methylene Blue Test only being applied.

The general standards of efficiency prevailing during the year, both as regards quality and handling of milk, have proved satisfactory.

MEAT.

As in previous years, Licences were granted, under the Slaughter of Animals (Scotland) Act, 1928, and the Bye-laws relating to Slaughter of Swine, to James M'Laren, Main Street, Cumbernauld and William B. M'Laren, Main Street, Cumbernauld. Licences applicable to Private Slaughterhouses were granted to James M'Laren, Main Street, Cumbernauld, James Paul, Main Street, Cumbernauld, and the Corporation of Glasgow, Woodilee Farm, Lenzie.

A total of 25 Condemnation Certificates were issued to retailers for submission to the Ministry of Food (Meat and Livestock Division) in relation to home-killed, imported, and canned meats unfit for human consumption—An increase of four Certificates compared with the year 1946.

During the year, articles of food voluntarily surrendered to this Department and destroyed as unfit for human consumption, resulted in 79 Certificates being issued to the holders of the goods. Compared with the year 1946, this is an increase of 108 per cent. and is a reflection on the present day quality standard of food that may reach the consumer. The food involved covered a wide variety, *e.g.*, Tinned Soups, Fruit, Vegetables, Milk, Dried Eggs, Meat, Salmon, Pilchards, and Jam. Items not tinned included Butter, Sugar, Fish, and Cereals.

FOOD AND DRUGS.

In accordance with the practice in recent years, the main article of food sampled was milk, but in view of the foregoing reflection under the heading "Meat," it may be considered advisable notwithstanding short supplies, to widen the scope of sampling activity.

During the year, 557 samples were collected, compared with—387 (1943); 429 (1944); 450 (1945); and 478 (1946).

Inspections under the Public Health (Preservatives, &c., in Food) Regulations, and Regulations pertaining to the labelling and advertising of Foods, were also carried out.

As indicated, samples applied principally to milk and statistics under that heading revealed the results.

SCAVENGING METHODS AND EFFICIENCY.

BEARSDEN SPECIAL SCAVENGING DISTRICT.

Transport — Four Motor Wagons — SN.7568, SN.7569, SN.8998, and ASN.222.

			Drivers.	Men.	Youths.	Boys.	Total.
1943,	-	-	4	7	6	6	23
1944,	-	-	4	6	7	7	24
1945,	-	-	4	6	5	3	18
1946,	-	-	4	8	5	2	19
1947,	-	-	4	23	4	6	37

During the year, an endeavour has been made to improve the scavenging arrangements by the introduction, in June, 1947, of a new wagon (ASN.222) and the employment of additional staff. The improvement in the collection and disposal of domestic refuse is evident, but the standard of efficiency contemplated is not likely to be attained while equipment is in short supply.

The increase in the scavenging staff is in a large measure due to the fact that since 15th May, 1947, the sweeping of streets within Bearsden Special Scavenging District has been carried out by this department instead of the Highways department, as formerly.

This involves the cleansing of some 32 miles of roads and footpaths for which a staff of 10 scavengers is employed. The destruction of weeds presented a problem of some magnitude and this has been met by the use of flame guns which are more economical than the old method of hand weeding, thus allowing the district to be satisfactorily covered.

Snow clearing is one of the difficult problems of street

cleaning, but fortunately there were no heavy falls of snow during the year, and any clearing of roads and footpaths necessary, did not present any undue difficulties.

A sum of £555 17s. 3d. was realised under the Garden Refuse Scheme and the total number of subscribers was 1076. To maintain and execute this Scheme at regular intervals, difficulties with regard to equipment and insufficient staff had to be surmounted. An endeavour is being made in this direction. It is hoped to review the whole Scheme and its operation, to meet present day requirements.

The removal of furnace ashes realised a sum of £21 1s.

Lawmuir Coup—

The conditions prevailing at this coup are satisfactory and constant attention is paid to the destruction of vermin.

DUNTOCHER SPECIAL SCAVENGING DISTRICT.

Transport—1 Motor Wagon—SN.7969.

Year						Drivers	Men	Total
1943,	-	-	-	-	-	1	2	3
1944,	-	-	-	-	-	1	2	3
1945,	-	-	-	-	-	1	2	3
1946,	-	-	-	-	-	1	2	3
1947,	-	-	-	-	-	1	2	3

The service in this district continues to operate smoothly and meet the demands placed upon it at the present time.

KILPATRICK AND BOWLING SPECIAL SCAVENGING DISTRICT.

Transport—1 Motor Wagon—ASN.109.

Year.						Drivers.	Men.	Total.
1943,	-	-	-	-	-	1	3	4
1944,	-	-	-	-	-	1	3	4
1945,	-	-	-	-	-	1	3	4
1946,	-	-	-	-	-	1	3	4
1947,	-	-	-	-	-	1	4	5

Dumbuck Coup—

At this coup there is no special feature to report. It is equal to the demands placed upon it and is conveniently

situated. Constant attention is given to the destruction of vermin. By continuous dressing the coup is suitably maintained.

GARSCADDEN GARAGE.

A commencement has been made to remove the temporary structures erected during the war period, and the equipment stored for Civil Defence purposes has been removed by the administrators responsible for the disposal of material and settlement of accounts. When the premises revert to normal, the conditions for operating will again be suitable in every respect.

SCAVENGING CONTRACTS.

CUMBERNAULD SPECIAL SCAVENGING DISTRICT.

The formation of this Special Scavenging District was extended to include, as from 16th May, 1946, Cumbernauld Station and Castlecary. The collection of refuse by the Contractor commenced on 16th August, 1946.

During the year 1947, the contract position is:—

Contractor.—A. Forrester & Son

Contract Price.—Cumbernauld Village—1943 (£240); 1944 (£260); 1945 (£275); 1946 (£300); 1947 (£300). Cumbernauld Station—(£150). Castlecary—(£65).

Contractor.—John Hamilton.

Contract Price.—Dullatur—(£70).

CONDORRAT SPECIAL SCAVENGING DISTRICT.

Contractor.—Robert Roberts, Main Road, Condorrat.

Contract Price.—1943 (£95); 1944 (£100); 1945 (£105); 1946 (£105); 1947 (£115).

CROY SPECIAL SCAVENGING DISTRICT.

Contractor.—Robert Roberts, Main Road, Condorrat.

Contract Price.—1943 (£208); 1944 (£210); 1945 (£210); 1946 (£210); 1947 (£210).

TABLE XX.—DETAILS OF SANITARY CONDITIONS—EASTERN AREA.

AREA.	Dry Closets in use serving					Water Closets serving					Houses, Tenants not having use of Water Closet or Dry Closet.	Houses without indoor water supply and sink.
	1	2	3	4	5	2	3	4	5			
Bearsden, -	...	...	...	...	...	6	1	1	...	...	...	
Condorrat, -	5	1	1	1	...	7	3	1	...	...	7	
Cumbernauld, -	6	2	1	...	...	27	9	...	...	...	30	
Croy, -	1	5	...	...	...	...	...	...	...	...	...	
Duntocher, Hardgate, and Faifley, -	...	...	...	...	...	48	10	17	...	...	...	
Old Kilpatrick, -	1	...	...	...	...	16	6	5	...	...	...	
Bowling, -	1	2	...	...	...	23	11	6	...	...	...	
Milton and Dumbuck, -	1	23	6	...	...	...	...	...	...	...	57	
Twechar, -	...	...	...	...	...	43	36	...	...	...	...	
Waterside, -	2	5	...	...	2	3	...	...	...	...	9	
TOTAL, -	17	38	8	1	2	173	76	30	...	...	103	

TWECHAR SPECIAL SCAVENGING DISTRICT.

The formation of this district dates from 15th May, 1946, and the scavenging contract commenced on 16th August, 1946.

Contractor.—Robert Roberts, Condorrat.

Contract Price.—£300.

WATERSIDE SPECIAL SCAVENGING DISTRICT.

Contractor.—Alexander Stuart, Kirkintilloch.

Contract Price.—1943 (£120); 1944 (£126); 1945 (£130); 1946 (£140); 1947 (£155).

PUBLIC CONVENIENCES.

The money collected from Public Conveniences is recorded hereunder :—

	1943			1944			1945			1946			1947		
Old Kilpatrick,	£22	5	4	£18	2	6	£19	4	5	£16	2	8	£16	9	7
Milton, -	11	4	0	12	17	9	12	2	0	11	15	11	11	7	0
Duntocher, -	6	15	6	5	2	9	6	7	1	3	7	4	3	6	8
Hardgate, -	7	1	8	6	7	10	7	13	11	6	7	5	6	10	1

SANITARY CONVENIENCES.

During the year a slight improvement has taken place, and Table XX reveals the present position. Little improvement can be hoped for until houses are more plentiful and materials available.

FACTORIES ACT, 1937.

During the year, inspections were made to premises in relation to the conditions prevailing and to the records of changes of occupation maintained in co-operation with H.M. Inspector of Factories. Table XXI contains a record of the premises within the area.

BURIAL GROUNDS.

The operation of the Burial Grounds is efficiently conducted under the direction of the local or joint committees responsible,

TABLE XXI.—FACTORIES ACT, 1937.

M.—MECHANICAL.

N. M.—NON-MECHANICAL.

TRADE OR BUSINESS.	Cumbernauld.		Kirkintilloch.		East Kilpatrick.		West Kilpatrick.		TOTAL.		TOTAL.
	M.	N. M.	M.	N. M.	M.	N. M.	M.	N. M.	M.	N. M.	
Bakers, -	2	1	-	-	1	-	2	-	5	1	6
Blacksmiths, -	1	2	-	-	-	-	-	-	1	2	3
Builders, -	-	1	-	-	1	-	-	-	1	2	3
Bootmakers, -	1	1	-	-	-	-	1	-	3	2	5
Butchers, -	3	-	1	-	8	-	2	-	14	-	14
Chemical Works, -	-	-	-	-	-	-	-	-	-	-	-
Coal Merchants, -	-	4	-	-	1	-	-	-	1	5	6
Distillers, -	-	-	-	-	-	-	2	-	2	-	2
Dressmakers, -	-	-	-	-	-	-	-	-	-	-	-
Electrical Manufacturers, -	-	-	-	-	1	-	1	-	2	-	2
Engineers, -	-	-	-	-	1	-	2	-	3	-	3
Fireclay Works, -	2	-	1	-	-	-	-	-	3	-	3
Grain Mills, -	1	-	1	-	-	-	-	-	2	-	2
Hosiery Manufacturers, -	-	-	-	-	-	-	-	-	-	-	-
Joiners and Carpenters, -	1	-	-	-	-	-	1	-	2	2	4
Laundries, -	-	-	-	-	-	-	1	-	1	-	1
Motor Engineers, -	2	3	-	-	-	-	3	-	10	3	13
Plumbers, -	2	-	-	-	5	-	-	-	2	5	7
Painters, -	1	-	-	-	-	-	-	-	1	4	5
Shipbuilders, -	-	-	-	-	-	-	1	-	1	-	1
Sculptors, -	-	-	-	-	-	-	1	-	1	-	1
Tailors, -	-	-	-	-	-	-	-	-	-	-	-
Watchmakers, -	-	-	-	-	-	-	-	-	-	-	-
Miscellaneous, -	5	-	1	-	1	-	4	-	11	1	12
TOTALS, -	21	12	5	-	19	13	21	2	66	27	93

and although periodical inspections were made, the necessity for action by this department did not arise.

BUILDING REGULATIONS.

It is clearly evident from the year's proceedings that the desire to build new premises and improve existing erections is the obvious wish of the members of the public. Their proposals continue to be restrained and in many cases negatived by Regulations, and by material being on short supply.

Table XXII gives a record of the plans considered for approval for new and altered buildings and the number of buildings and houses involved. Of the total number of houses considered, plans relating to 272 were withdrawn or postponed. The plans of houses approved related principally to local authority houses, as in the month of April local authorities had to adopt a procedure which necessitated them deducting from their quota of proposed houses a house for each private house approved for erection.

A record of the work transacted under the Control of Civil Building is contained in Table XXIII. On reference to the corresponding Table for the year 1946, it will be noted that the value of work proposed, and work approved, shows a drop of 23 per cent. and 59 per cent. respectively, but the number of applications received has increased by 13 per cent. and applications submitted to the Committee for decision by 47 per cent. The number of Licences issued has increased by 16 per cent.

HOUSING.

During the year, constant attention has been devoted to housing in an endeavour to improve the problem of accommodation.

A further survey of houses within the area has been made and with the aid of a Points Scheme adopted by the County Council, statements are prepared showing the relative position applicable to each applicant. By this method the group

TABLE XXII.—PLANS OF BUILDINGS—EASTERN AREA.

[illegible]

of Councillors representing the district where houses are due to be completed, are guided to make a fair allocation according to the existing conditions prevailing in relation to each applicant.

Where a Council house becomes vacant, further improved conditions have been attained by decanting tenants to more suitable accommodation according to the size of families.

A total of 46 Special Reports was prepared and submitted to the appropriate Committee regarding permission being granted to householders to keep lodgers, &c.

The total number of applications received for housing accommodation is 1311 and of those 138 have been housed.

Since the commencement of the building of temporary houses 148 have been completed and occupied, viz., Old Kilpatrick, 42; Duntocher, 46; Condorrat, 10; Waterside, 22; Twechar, 28.

In course of erection are 107 houses, viz. : Old Kilpatrick, 7; Duntocher, 60; Cumbernauld, 16; and Croy, 24.

Consideration is being given to the provision of houses for Agricultural Workers and progress in this direction should be made in the year 1948.

The number of houses let or under construction to be let to Miners, is 103.

Every endeavour is being made to relieve the housing position and the programme in operation or proposed, although restricted by the Department of Health due to the material shortage, should improve the position in the year 1948.

Still, the improvements desired will not be evident until houses can be built on a more generous scale.

SCHOOLS.

The responsibilities of this department applicable to drainage, water supply, and ventilation were executed by inspections to schools throughout the year to ensure that the conditions prevailing were satisfactory.

CONTROL OF CIVIL BUILDING. LICENCES.—TABLE XXIII.

No. of APPLICATIONS RECEIVED.	Value in £.	Sent to Other Depts.	Sent to M. of W.	Withdrawn	Refused.	Licences Issued.	Value in £.	Priority Certs.	W.B.A. Certs.	Essen. Certs.	Dealt with by Committee.
Jan. 53	£8,352	1	1	1	2	48	£7,492	—	—	13	—
Feb. 57	58,191	1	—	2	—	54	58,090	—	—	14	4
Mar. 72	71,795	5	—	—	—	67	38,115	—	6	17	7
April 101	30,618	4	—	—	—	97	7,471	—	2	10	—
May 102	161,967	3	—	2	6	91	18,183	—	1	12	30
June 66	12,692	3	—	—	—	63	807	—	3	5	11
July 107	18,936	5	—	—	—	102	3,669	—	2	9	23
Aug. 71	6,804	3	—	1	—	67	3,224	—	—	3	8
Sept. 111	9,959	2	—	2	1	106	8,895	—	—	8	15
Oct. 125	9,087	6	—	2	—	117	51,159	15	—	—	13
Nov. 86	2,062	2	—	1	—	83	3,905	34	—	—	7
Dec. 48	1,227	2	—	—	—	46	2,140	16	—	—	12
Total, 999	£391,690	37	1	11	9	941	£203,150	65	14	91	130

INFECTIOUS DISEASE.

A total of 264 inspections were made to cases of infectious disease. There is nothing unusual to report other than visits made to smallpox contacts who had travelled from abroad to this country. Fortunately no positive cases fall to be recorded.

STREET LIGHTING.

A return to complete lighting requirements within special lighting districts remains a hope for the future.

Restricted lighting to meet the wishes of the Ministry of Fuel and Power, and control applied by the Ministry of Transport to curtail lighting to the minimum necessity defined by the Police, reduces the lighting points within special districts to a degree far removed from the efficiency a Lighting Authority desires to attain. The cause of the retardment of progress is attributed to the shortage of fuel and material, and only when these are in free supply will the position be remedied and lighting be in full operation for the benefit of all.

The lighting season in Bearsden, Duntocher, and Old Kilpatrick extended from 11th August to 15th May and in other districts, from 1st September to 30th April.

The total number of lamps and lamplighters employed is as follows, with the lamps in operation shown in brackets:—

GAS SUPPLY.

District.	Street Lamps.	Signal Lamps.	Private Lamps.	Total Lamps.	Lamp- lighters
Bearsden, -	1132(516)	8 (8)	—	1140(524)	8
Duntocher, -	172 (53)	1 (1)	—	173 (54)	1
Kilpatrick and Bowling, -	260(193)	10(10)	—	270(203)	2
Waterside, -	22 (12)	3 (3)	—	25 (15)	—
Adamslie, -	6 (6)	—	—	6 (6)	—
	1592(780)	22(22)	—	1614(802)	11

ELECTRICITY SUPPLY.

District.	Street Lamps.	Signal Lamps.	Total Lamps.
Bearsden, - - -	120(120)	—	120(120)
Cumbernauld, - - -	44 (25)	3(1)	47 (26)
Condorrat, - - -	38 (18)	—	38 (18)
Croy, - - -	37 (19)	—	37 (19)
Dullatur, - - -	16 (8)	—	16 (8)
Waterside, - - -	6 (3)	—	6 (3)
	261(193)	3(1)	264(194)

In addition 104 electric lamps on the Maryhill and Milngavie Roads, Bearsden, are serviced by the Transport Department of the Glasgow Corporation.

NUISANCES.

On reference to Table on page 94 will be found the nuisances dealt with either by written or verbal intimation.

The clearing of drains and the provision of ashbins were items which frequently recurred.

INCREASE OF RENT AND MORTGAGE INTEREST
(RESTRICTION) ACT.

A total of 21 applications were received and a certificate granted to each applicant. Of the total, 19 related to the tenants of properties belonging to the same owner.

TENTS, VANS, SHEDS, AND HOUSEBOATS.

Within each Parish of the area, huts and caravans are to be found. The largest group in one centre totals 17 huts which are mostly occupied by Glasgow owners at week-ends.

At a harbour, the existence of houseboats is also receiving the attention of the department, in conjunction with the Railway Authorities.

NUISANCES.

A—ABATED. N.A.—NOT ABATED.

	CUMBERNAULD.				KIRKINTILLOCH.				EAST KILPATRICK.				WEST KILPATRICK.				ABATED.	NOT ABATED.	TOTAL.
	Verbal.	Written.	A.	N.A.	Verbal.	Written.	A.	N.A.	Verbal.	Written.	A.	N.A.	Verbal.	Written.	A.	N.A.			
Ashpits abolished, -	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1
Ashpits repaired, -	4	3	7	...	79	2	79	...	5	3	8	...	12	9	18	...	112	5	117
Ashbins provided, -	...	2	2	...	3	1	4	...	...	...	...	...	4	...	...	...	6	...	6
Accumulation of Refuse removed, -	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	4
Common Stairs whitewashed or cleaned, -	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	9	...	9
Courts repaired, paved or cleaned, -	8	...	8	...	4	...	4	...	4	...	4	...	27	3	27	...	43	...	43
Drains cleaned, -	1	2	3	...	2	...	2	...	...	...	...	...	5	...	...	...	14	...	14
Drains repaired, -	2	1	3	...	3	...	3	...	...	...	...	...	...	2	2	...	7	...	7
Houses—Ceilings repaired, -	4	1	5	...	...	...	...	...	...	...	...	...	...	...	...	...	8	...	8
" Dirty, cleaned, -	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1
" Doors repaired, -	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1
" Fireplace repaired, -	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1
" Floors repaired, -	1	1	2	...	...	...	...	...	...	...	...	...	1	3	4	...	6	...	6
" Plasterwork repaired, -	...	2	2	...	2	...	2	...	...	...	...	...	1	...	1	...	5	...	5
" Walls repaired, -	1	...	1	...	1	...	1	...	...	...	...	...	...	...	...	...	4	...	4
" Windows repaired, -	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5	...	5
Roofs repaired, -	1	1	2	...	...	...	1	...	...	...	...	...	...	...	...	...	3	...	3
Rhones defective, -	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	5	...	5
Water Closets defective, -	...	...	...	...	2	...	2	...	...	...	...	...	...	...	...	...	18	...	18
Water Closets cleaned, -	...	...	...	...	6	...	6	...	...	...	...	...	...	...	...	...	3	...	3
Water Supply improved, -	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7	...	7
Waste Pipes repaired, -	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	6	...	6
Wash Houses repaired, -	...	...	...	...	4	2	3	...	...	...	...	...	...	...	...	...	3	...	3
Soil Pipes repaired, -	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1
Vents repaired, -	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1
TOTALS, -	22	16	38	...	110	5	110	5	9	4	18	...	50	59	106	8	207	8	276

On a site where the owner of the ground permits people to reside in various types of erections irrespective of conditions, action has been taken.

The Department of Health is conversant with the position in the most affected districts and when the existing state of emergency passes, the huts, &c., will be removed.

PRIVATE STREETS AND FOOTWAYS.

ADDITIONS TO LIST OF HIGHWAYS.

Roman Gardens and footpaths—Cul-de-sac north of Route A808.—35 yards

Old Dalnottar Road and South footpath—from Route A814 to east entrance gates of Dalnottar Estate—2 furlongs, 27 yards.

RATS AND MICE (DESTRUCTION) ACT, 1919.

RATS AND MICE (SCOTLAND) ORDER, 1943.

The eastern area of the County has been remarkably free from serious complaints of rat infestation during the year. Coups and other places where infestations are likely, have been kept under observation.

The Pest Destruction Branch of the Department of Agriculture have dealt with infestations at a Factory and Piggery and minor complaints at houses and shops.

The number of rats known to have been destroyed is 895.

A charge of £7 per man per week is made by the Department of Agriculture. Accounts are rendered to and paid by the County Council, who proportion the appropriate cost against each occupier of premises served.

SHOPS ACTS, 1912-38.

Table XXIV contains a record of the shops under their business categories. The hours of closing remain at 7 p.m. on Friday and Saturday and 6 p.m. on other days of the week.

SHOPS ACTS, 1912-38.

TABLE XXIV.—SUMMARY OF BUSINESSES WITHIN PARISHES IN THE EASTERN AREA.

Parish.	Bakers.	Butchers.	Chemists.	Cycle and Motor Agents.	Confections, Refreshments, Tobaccos.	Dairies.	Drapers and Clothiers.	Electricians.	Fishmongers.	Fish and Chip Shops.	Funeral Undertakers.	Grocers.	General Stores.	Hairdressers.	Licensed.	Newsagents.	Shoemakers.	Stationers.	Plumbers.	Fruiters.	Ironmongers.	Painters.	Tearoom.	Total.
Cumbernauld, -	3	3	...	2	9	1	4	...	1	4	...	11	2	2	4	2	2	1	1	1	1	...	..	53
Kirkintilloch, -	...	1	...	...	4	...	...	...	...	1	...	4	1	...	1	1	1	...	...	...	...	...	...	14
East Kilpatrick,	3	7	3	...	6	2	3	1	3	...	1	12	...	2	...	6	2	...	4	4	2	4	1	66
West Kilpatrick,	2	7	2	...	12	1	2	...	1	3	...	16	1	1	14	6	2	;	;	;	3	...	1	75
Totals,	8	18	5	2	31	4	9	1	5	8	1	43	4	5	19	15	7	2	5	8	2	5	1	208

RIVERS' POLLUTION.

The undernoted samples were collected to confirm the nature of pollution which appeared to exist, with a view to a remedy being applied at the source.

No.	From
1E., - - - -	River Allander.
2E., - - - -	River Kelvin.
3E., - - - -	Burn—Bothlyn.
4E., - - - -	River Luggie.
5E., - - - -	Burn—Gain.
6E., - - - -	River Luggie.
7E., - - - -	Burn—Bedley.
8E., - - - -	River Luggie.
9E., - - - -	Burn—Bothlyn.
10E., - - - -	River Luggie.
11E., - - - -	River Luggie.
12E., - - - -	River Kelvin.
13E., - - - -	River Kelvin.

EMERGENCY SERVICES.

Evacuation—

The number of evacuees in the area has dropped from 65 to 47 and not until their home authorities agree to accommodate these people, will they be in a position to dispense with the designation "Evacuee." The time is now overdue when the evacuees should be rehoused by his or her own local authority. Priority in this direction should be given and permit of people getting back to their own surroundings.

Local authorities, both in Scotland and England are responsible for the housing of:—

Mothers and other adults accompanying children,	-	8
Accompanied children of school age and under,	-	23
Other adults,	- - - - -	16
		—
		47
		—

TABLE XXV.—SUMMARY OF YEARLY SALVAGE RETURNS
COMPILED FROM THE MONTHLY RETURNS MADE TO THE MINISTRY OF
SUPPLY ON FORM SAL. 1, FOR THE PERIOD NOV., 1939 TO APRIL, 1948.

Year	Paper			Ferrous Metal			Non-Ferr. Metal		
	T. C.	£	s. d.	T. C.	£	s. d.	T. C.	£	s. d.
Nov. 1939- Apr. 1940	32 7	97	19 4	20 8½	29	12 5	0 9	15	2 5
1940-41	214 13½	894	0 6	93 16½	158	0 7	3 4½	103	9 10
1941-42	227 17½	1080	19 5	36 2½	54	18 8	2 2	62	3 10
1942-43	205 17	1370	19 5	69 16½	107	2 5	2 3½	50	12 10
1943-44	157 6½	1028	8 11	48 2	67	11 6	2 0	41	0 9
1944-45	144 3½	934	6 9	16 12½	26	10 1	1 3½	21	19 1
1945-46	128 0½	826	7 1	15 12	26	17 9	—	—	—
1946-47	135 0	907	7 2	8 12½	18	17 6	1 7½	30	17 4
1947-48	160 17½	1045	6 7	10 17½	26	1 5	0 14½	14	9 6
TOTALS,	1406 3½	8185	15 2	320 1	515	12 4	13 5	339	15 7

Year	Textiles			Bottles			Cullet		
	T. C.	£	s. d.	T. C.	£	s. d.	T. C.	£	s. d.
Nov. 1939- Apr. 1940	1 9	13	10 6	3 5	29	8 9	—	—	—
1940-41	16 0	105	0 4	11 5	89	17 9	6 13½	5	10 6
1941-42	14 3½	123	17 3	20 17	135	14 2	8 16½	8	16 9
1942-43	17 1½	241	5 9	17 13	166	17 11	11 7½	9	1 0
1943-44	11 6½	182	6 4	10 13	114	9 7	12 13½	12	13 6
1944-45	14 2½	250	12 2	13 3½	153	7 9	4 16½	4	16 3
1945-46	12 16	186	13 1	10 3	119	7 8	4 7½	4	5 3
1946-47	12 0½	150	6 11	5 12	64	14 10	2 13½	2	12 2
1947-48	9 14	180	13 8	3 4½	37	9 8	4 8½	6	13 0
TOTALS,	108 12½	1384	6 0	95 16	911	8 1	55 17½	54	8 5

Year	Kitchen Waste			Bones			Rubber		
	T. C.	£	s. d.	T. C.	£	s. d.	T. C.	£	s. d.
Nov. 1939- Apr. 1940	—	—	—	—	—	—	—	—	—
1940-41	31 5½	55	1 1	3 8	9	2 4	—	—	—
1941-42	176 14½	353	8 6	3 11	10	13 0	2 16½	5	19 6
1942-43	306 19½	537	4 4	13 7½	40	2 6	8 16½	21	6 10
1943-44	320 8½	560	13 3	10 3	33	15 0	3 9	8	12 6
1944-45	310 16	543	17 9	10 0½	45	1 2	3 4½	7	4 6
1945-46	271 18½	475	17 3	4 0½	18	1 2	—	—	—
1946-47	231 0½	466	13 5	3 1	13	14 5	—	—	—
1947-48	191 6½	441	8 10	2 8½	10	19 4	—	—	—
TOTALS,	1840 8½	3434	4 5	49 19½	181	8 11	18 6½	43	3 4

	£	s.	d.	TOTAL TONNAGE	
				Tons	Cwts.
Yearly Total, 1939-40 (6 months),	185	13	5	57	18½
„ „ 1940-41, - - -	1,420	2	11	380	6
„ „ 1941-42, - - -	1,836	11	1	493	1
„ „ 1942-43, - - -	2,544	13	0	653	2½
„ „ 1943-44, - - -	2,049	11	4	576	1½
„ „ 1944-45, - - -	1,987	15	6	518	2½
„ „ 1945-46, - - -	1,657	9	3	446	18
„ „ 1946-47, - - -	1,655	3	9	399	7½
„ „ 1947-48, - - -	1,713	2	0	383	12½
TOTALS, -	<u>15,050</u>	<u>2</u>	<u>3</u>	<u>3,908</u>	<u>9½</u>

SALVAGE.

A record of the position relating to the salvage of material is contained in Table XXV which gives the weight and price values of salvaged material since November, 1939.

From this it will be seen that the gross weight and value of material salvaged compares with that of the previous year. It will be noted that the quantity of waste paper collected has increased.

It is not surprising that the gross value for the year has not increased. Considering the constant draw on disused material and the extra care necessary to-day to avoid waste, the position during this period of short supply is understandable and the figures compare favourably with other years.

Another year has passed and an endeavour made to depict in concise form, the work of this department to implement the duties assigned to it.

The interest and activity displayed by the staff, and their co-operation with other departments, has proved instrumental in simplifying the work of the department, and serving the public generally.

I am, Ladies and Gentlemen,

Your obedient servant,

J. D. M'KENDRICK,
County Sanitary Inspector.

REPORT BY COUNTY ENGINEER.

24 GEORGE SQUARE,
GLASGOW, C.2, 1948.

LADIES AND GENTLEMEN,

The year 1947 will be remembered by all mainly by the severity of the weather in its early months. The heavy snow and frost in February and March brought to a standstill the outside work on the various contracts that were in hand at the time. In spite of a comparatively good summer the delay caused was not overcome and progress on the construction work was under the estimate. It will be difficult to have some of the preparation work for services on housing sites completed by the scheduled date.

The new salary scales, fixed by the Council, have proved effective and the staff of the department has been increased by the appointment of two Civil Engineering Assistants and one Town Planning Assistant. There have been no resignations from other members of the staff. The work to be attended to is increasing and further additions to the staff will be necessary, especially in connection with Town Planning.

WATER SUPPLY GENERAL.

The spring was fortunately not so dry as in the previous year and no shortage of water was experienced throughout the year. A very dry August, when practically no rain fell, caused some concern, but a normal September followed and dispelled any fear of shortage.

More meetings and discussions were held with other Local Authorities in the County and the Department of Health on the Proposed Western Regional Scheme for the County of Dunbarton. Cove and Kilcreggan, Helensburgh and Milngavie Town Councils decided not to participate in the proposed Regional Scheme, and the Dunbarton Town Council,

Clydebank and District Water Trust and the County Council agreed to continue the discussions.

The scheme, as suggested by the Department of Health, was taken as the basis of discussion, and an estimated cost at present-day prices was worked out and amounted to £2,400,000.

It was provisionally agreed that each authority would accept responsibility for one-third of the total estimated cost and would enquire from the Secretary of State for Scotland what percentage of grant would be available on this expenditure.

The Regional Water Scheme, dealing with the detached portion of the County, also received attention. Intimation was received from Lanark County Council that the Regional Scheme for the Lanarkshire Area did not take into consideration the future requirements of the Cumbernauld Supplementary Water District.

With this information available the Council informed the Department of Health that they were prepared to consider the proposal to bring a water supply into the area from the Stirlingshire and Falkirk Water Board.

Meetings were then held with the Department and the other authorities interested in the Regional Scheme, and a scheme to meet the requirements of the area is under discussion.

During the year meetings were held with the engineers of the constituent authorities of the Joint Emergency Water Scheme, A.R.P., when it was decided that all material bought under the scheme in 1940 should be offered at a reduced price to these authorities and that surplus stores should be offered for sale in the open market. After advertising the surplus stores, a fair amount was sold, and at the end of the year the position had been reached when a final settlement could be made to all authorities.

As expected, a full year's working of the Water (Scotland) Act, 1946, with the extra duties on Local Authorities devolving therefrom, put a substantial amount of extra work on the staffs of the various water departments, and an increase in these staffs is urgently required.

ARROCHAR SPECIAL WATER SUPPLY DISTRICT.

During the dry spell in August it was reported that the reservoir level was falling rapidly. A leak in the water main was suspected, and while tests were being carried out to discover this, it was reported that an excessive amount of water was to be seen flowing on to the foreshore at Tayness. The water main was found to be badly fractured at this point. Immediate repairs were carried out, but the reservoir had dropped to so low a level that it was deemed advisable to put into operation an emergency supply scheme. 500 gallon water tanks were placed in the village, after having been sterilized and chlorinated, and arrangements made to fill them with water from the Gareloch district. Fortunately, the water supply did not fail, although the water had a slight discoloration, and it was not necessary to bring the emergency scheme into operation.

The adjoining village of Tarbet, which has a private supply of water, was affected by the dry weather at this time, and two of the tanks were placed in the west end of the village for the use of the villagers. These were used by the villagers, but after a few days, however, rain fell and the village supply was again adequate.

Mr. Duncan M'Vicar, Water Superintendent, died in the middle of the year. His son, Mr. John M'Vicar, was asked to carry on until other arrangements had been made.

Rainfall for the year was 91.61 inches.

GARELOCH SPECIAL WATER SUPPLY DISTRICT.

Mr. William Conkie, Water Superintendent at Bowling, was appointed Water Superintendent to the district. No house is available for the Water Superintendent and he had to travel from his home in Bowling. The position is most unsatisfactory, as a situation might arise which would cause extensive damage before the Water Superintendent could be brought to the scene.

No real progress having been made by the Army Authorities in the repairing of the embankment at Auchengaich Reservoir, and as the condition of the bank was becoming dangerous,

the Army Authorities agreed that the repair work should be carried out by a contractor appointed by the County Council. It was decided that on payment of a certain sum to the Council, the Council would take over all outstanding work to be done by the War Department at Auchengaich and the water main and clear water tank at Rosneath. All water mains, tanks, &c., in the district constructed by the Army would become the property of the County Council, and from 1st August all water used by Government Departments in the district were to be charged for, instead of being supplied free as formerly. A contractor was fixed to do the repairs at Auchengaich Reservoir and Rosneath Tank. The repairs on the tank were completed and the leaks on the main traced and stopped, but the contractor was still working on the embankment at the end of the year.

Chlorination was discontinued at Rhu and Whistlefield Filters, and the chlorinating plant from Whistlefield was erected and put into operation at Auchengaich.

There was ample supply of water from the three sources, Auchengaich, Rhu and Whistlefield to meet the needs in the district.

A request for a supply of water to Heatherbank, Gareloch-head, was granted by the Council, and it is proposed to lay 200 yards of 4-inch diameter water main to supply this house. A contractor was fixed, but a start had not been made in the laying of the pipe before the end of the year.

Rainfall, recorded at Whistlefield Filters, was 56.72 inches, and 52.62 inches at Rhu, for the year.

CARDROSS, RENTON AND VALE OF LEVEN SPECIAL WATER SUPPLY DISTRICT.

Cardross Area.—The supply to Cardross was satisfactory all year. Chlorination of the supplies from both Asker and Carman was stopped on obtaining the approval of the Department of Health.

A housing site at Barrs Road was started during the year and 1200 yards of 4-inch diameter water main were laid to service it.

Renton Area.—Carman Reservoir remained fairly full during the year, and no difficulty was experienced in supplying the area. Chlorination of the supply was discontinued during the year.

Houses in the Cordale district, completed during the year, were supplied with water from the existing mains, as were the temporary houses in the Back Road area.

There is large wastage of water in this district, and tests and surveys seem to indicate that the wastage is due to the old age of the mains and service pipes. As the leaks in the service pipes are traced, these pipes are being renewed with heavier gauge lead. Under the Water (Scotland) Act, 1946, the greatest proportion of the cost of these renewals has to be borne by the Council. The problem of the old pipes is a more difficult matter, however, as they are mostly laid under road surfaces which are expensive to disturb, and their replacement is a very costly undertaking. It is proposed to have a small section cleaned and re-lined by electrical methods without disturbing the carriageway, and if this is successful the whole district could eventually be covered this way.

Rainfall for the year recorded at Carman, Renton, was 46.55 inches.

Vale of Leven Area.—Ample supplies of water were available all the year round at Loch Finlas, and no shortages were experienced. In conformity with the other supplies in the County, chlorination was stopped during the year.

Extensions to the housing schemes at Dalmonach and Tullichewan required the laying of 300 yards of 6-inch and 1600 yards of 4-inch diameter water mains, and these were completed within the year.

Mr. George Beaton, Water Superintendent, retired during the year after 29 years' service in this area. Mr. Peter Cranmer was appointed to succeed him, and Mr. E. Carberry appointed Assistant Water Superintendent.

The scheme, prepared in 1946, to lay a 9-inch diameter water main from Balloch to Milton, with a tank at High Dykes to supply the Industrial Estate, and the enlargement of the filter capacity at Overtoun Reservoir, along with the

scrapping of the 14-inch diameter main from Loch Finlas to Overtoun, and the raising of the embankment at Finlas Reservoir by 8 feet, was submitted to the Secretary of State for Scotland for a grant under the Distribution of Industry Act, 1945. After a number of meetings with the Department of Health, intimation was received that the scheme was approved and that a grant would be available to the Council.

Schedules for all the work of laying the water main, construction of the clear water tank and extension of the filters at Overtoun were issued and at the close of the year contractors had been fixed and material ordered.

The question of the occupied house boats and converted naval craft along the banks of the River Leven not paying for the water consumed by them was considered, and it was decided that each occupant of these craft should pay £1 per annum. Difficulty may be experienced in collecting all the dues.

The rainfall for 1947 measured at Loch Finlas was 81.15 inches.

Bowling Special Water Supply District.—The consumption of water in the district was greater than could be supplied by the reservoir, and it was necessary to augment this supply with water from Dumbarton.

It is hoped that when the proposed scheme to lay a pipe from Balloch to Milton is completed there will be no need to obtain a water supply from other authorities.

The chlorination at the filters was stopped during the year.

About 200 yards of 4-inch pipe were laid to supply temporary houses to be erected in the Milton area.

The district was extended and about 1000 yards of 4-inch water main laid to supply a new housing site at Chapelhill, Old Kilpatrick.

The rainfall during the year was 45.2 inches.

Old Kilpatrick Water.—No trouble was experienced during the year, as there was an ample supply available at all times.

The filtration is of the slow sand type and is too small to deal with the demand during peak periods.

Chlorination was continued at this source.

Waterside Special Water Supply District.—An adequate supply to this district was kept up during the year. The water is obtained from Kirkintilloch supply. Further small building development in the district was supplied from the existing mains.

Clydebank and District Water Trust.—The Trust supply Duntocher and Hardgate and a small portion of Bearsden with water, and the supply was adequate throughout the year. Complaints of water shortage in the high parts of Duntocher were rectified by the laying of a larger main.

Two housing sites at Goldenhill and Auchentoshan were supplied by extending the existing mains.

Bearsden Area.—The greater part of Bearsden is supplied by Glasgow Corporation, and the supply to the high parts is pumped to individual storage tanks in the houses. Occasionally complaints were received about shortage of water in these houses, but generally the water supply was maintained in a satisfactory condition.

Drainage General.—Meetings were held with officials at the Department of Health regarding the proposed drainage schemes for Twechar, Condorrat, Waterside and Cumbernauld South, for which schemes grants may be available under the Distribution of Industry Act, 1945, and the Rural Water Supplies and Sewerage Act, 1944. As a result of these meetings, plans and estimates, provisionally agreed on by the Department, were submitted to the Secretary of State at the end of the year.

Surveys were made at Croftamie and Rosneath for the proposed drainage schemes in these areas, but with the large amount of other work, particularly housing, on hand, plans were not completed by the end of the year.

A proposal by the North of Scotland Hydro-Electric Board to build houses at Tarbet for their workers gave the County Council the opportunity to again approach the Secretary of State for a grant to their Tarbet Drainage Scheme. On intimation that consideration would be given, a detailed

scheme was prepared, and meetings held with the Hydro-Electric Board.

Arrochar Special Drainage District.—Sea action on the detritus tanks on the shore has required the carrying out of small repairs to the concrete, but otherwise the sewers and tanks have functioned satisfactorily throughout the year.

At the end of the year the sewer was extended to deal with a new housing site within the district.

Garelochhead Special Drainage District.—Plans and schedules for the completion of the drainage scheme, stopped on the outbreak of war, were prepared during the year, and approved by the Secretary of State for grant. A contractor was fixed, but the work had not been started by the end of the year.

A small housing scheme in Back Road, Garelochhead, necessitated the laying of 150 yards of sewer.

Rhu Special Drainage District.—No trouble was experienced with the drainage facilities in the district, which proved adequate at all times of the year.

Craigendoran Special Drainage District.—The sewers and detritus tanks in the Cardross and Craigendoran areas of the district functioned satisfactorily throughout the year.

The new housing site at Barrs Road, Cardross, necessitated the laying of 490 yards of 9-inch diameter and 90 yards of 6-inch diameter sewers.

Vale of Leven and Renton Special Drainage District.—The samples of sewage effluent, and of the water in the River Leven after the effluent has been discharged into it from Dalmoak Pumping Station, taken at various tides, were all satisfactory.

The scheme to construct an overflow in the sewer system on the towing path at Fisherwood, Balloch, to deal with the flooding there was completed during the year, and no flooding has since occurred.

Plans were prepared for the scheme to take the surface

water out of the sewers in the district. After discussions and consultations with the engineers of the Department of Health, a scheme was approved and a grant offered by the Secretary of State, under the Distribution of Industry Act, 1945. Schedules were prepared and contractors invited to offer, but a contract had not been let by the end of the year.

Extensions to the housing schemes at Tullichewan and Dalmonach required the laying of 1650 yards and 700 yards of sewers respectively.

The internal sewers within the Industrial Estate were completed by the Estate's own contractor during the year, but a start had not been made in the laying of the inverted syphon under the River Leven to take the outfall to the trunk sewer on the opposite bank.

Gartocharn Special Drainage District.—A contractor was fixed for the carrying out of the work of completing the district drainage scheme and a start was made at the beginning of the summer. Owing to labour difficulties, progress was very slow and the work was not completed by the end of the year.

Bowling Special Drainage District.—The drainage facilities in Bowling were satisfactorily maintained during the year.

130 yards of 9-inch diameter sewer were laid to service the first development of the Milton Housing Site.

A start was made on the Milton Drainage Scheme, and in spite of most difficult conditions the contractor made very good progress and completed the work before the end of the year.

Old Kilpatrick Special Drainage District.—The sewers throughout the district were kept in good condition during the year.

The joint scheme with Clydebank Town Council to deal with the Freelands Place drainage was delayed by the decision of the Scottish Industrial Estates to use the outfall sewer. Discussions as to allocations of cost between the three users of the sewer were continued throughout the year.

The sewers for the housing scheme at Chapelhill were completed during the year.

Duntocher Special Drainage District.—The sewers in the district were maintained in a satisfactory condition throughout the year.

A small length of sewer in the Main Road, Hardgate, required to complete the Duntocher Drainage Scheme, was laid during the year.

Housing schemes at Goldenhill and Auchentoshan were started during the year, and all the sewers in the Goldenhill site were completed, while good progress was made in the laying of the sewers at Auchentoshan.

Bearsden Special Drainage District.—The sewers and pumping stations were maintained in a good condition throughout the year.

Plans for the proposed Main Drainage Scheme were prepared and submitted to the Department of Health. Approval having been received, the Secretary of State intimated that he was not in a position to allocate a grant for this scheme.

Small lengths of sewer to deal with private housing developments at Kessington Farm and Iain Road were laid during the year and a start was also made on the sewers to serve the 1st and 2nd developments of the housing scheme at Whitehurst.

Condorrat Special Drainage District.—The sewers and pumping station continued to function satisfactorily throughout the year.

A number of discussions were held with the Department of Health on the plans prepared for a new sewage works and general approval was given to the plans and estimates before the end of the year.

A scheme to drain the Cumbernauld Station area and take the sewage by means of a long outfall pipe to the proposed works at Condorrat for treatment is under consideration.

Sewers were laid during the year to serve the housing site off Airdrie Road.

Cumbernauld Special Drainage District.—The sewage works and sewers within the district were kept in good repair and functioned satisfactorily throughout the year.

The burn circling the sewage work's site is gradually shifting its course and there is a threat that the ground of the works may be undermined. Retaining walls to keep the stream constrained are required, and it is proposed to construct these over a period of years.

Dullatur Special Drainage District.—The sewers and sewage works were in good order and continue to deal satisfactorily with the drainage facilities of the district.

Waterside Special Drainage District.—The drainage system was at all times satisfactorily maintained. New houses to be built at the Hillside Scheme required the laying of a short length of sewer.

The Department of Health were consulted regarding the proposed new sewage works, and general agreement was reached on the form of design, and further plans are being prepared for approval of the Council.

Croy Special Drainage District.—The sewer system is in good order. The large amount of ashes washed into the sewers caused trouble at the sewage disposal works, and as a result the effluent, after treatment, was sometimes not quite satisfactory.

The sewers for the housing scheme at Hillside were completed during the year.

CINEMATOGGRAPH ACT, 1909.

The premises holding licences under the above Act were inspected during the year and found to be complying with the conditions set forth in the licences granted by the Council.

The premises concerned are as undernoted:—

1. Renton Public Hall, Renton.
2. Rio Picture House, Bearsden.
3. Strand Cinema, Alexandria.
4. Vale of Leven Public Hall, Alexandria.
5. Bradford Cinema, Cumbernauld.
6. Woodilee Mental Hospital, Lenzie.

TOWN AND COUNTRY PLANNING.

In view of the extent of the new responsibilities under the Town and Country Planning (Scotland) Act, 1947, the Council has consulted the Department of Health, in accordance with their circular to Local Authorities on increased staffing requirements.

Despite the limitation of staff and office accommodation, continued progress has been made with the preparation of preliminary surveys and draft planning proposals throughout the County Council's planning scheme areas.

The marked increase in the number of interim development applications received, brought under planning control by the 1943 Act, and in recording these developments has occupied a considerable time of the staff.

Legislation.—On the 13th August of this year the new Town and Country Planning (Scotland) Act, 1947, was given Royal Assent and apart from the few provisions which came into operation immediately, the Act does not take effect until the appointed day, likely to be in the spring of 1948.

The objects of the 1947 Act are to set up a new system for planning the development and use of all land in Scotland.

Local Authorities and Statutory Undertakers are given wider powers for acquiring land for necessary development.

The Act provides a new basis for compensation of land compulsorily acquired and for payments from a Central Land Board for depreciation of interests in land created by the provisions of the Act.

Development charges will be collected by a Central Land Board where approved development results in the increase of land values and to provide grants to Local Authorities towards the cost of their purchasing and clearing land for redevelopment.

The new planning proposals differ considerably from the present one in that proposed planning schemes are replaced by development plans for Local Authorities planning areas. The development plans will show the planning proposals for such purposes as housing, industry, agriculture, major roads and open spaces.

Interim Development Control.—During the year some 617 applications for development in small Burgh and Landward areas of the County were dealt with under the Town and Country Planning (Scotland) Act of 1932, 1943, and 1945, and the General (Interim Development) Order (Scotland) 1946. Of these applications 61 were for provisional approval.

This was an increase of 108 applications over the preceding year.

The applications received and dealt with under the respective schemes were as undernoted :—

APPLICATIONS.

PLANNING SCHEME	Granted	Postponed	Refused	Total
Clydeside, Gareloch and Loch				
Long, - - - -	104	3	7	114
Vale of Leven, - - -	80	1	6	87
Loch Lomond, - - -	24	2	3	29
Kilpatricks, - - -	190	17	5	212
Milngavie (1) and (2), - -	92	4	1	97
Kirkintilloch and Cumber-				
nauld, - - - -	72	1	5	78
	562	28	27	617

Housing Development.—Of the applications received 105 were for the lay-out of housing development involving the erection of 1552 dwelling houses (1066 permanent Local Authority, 480 private, and 6 temporary houses) located principally at the following centres in the Landward area of the County: Bearsden, Duntocher, Old Kilpatricks, Milton, Alexandria, Bonhill, Arrochar, Cardross, Waterside, Twechar, and Condorrat, and in the small Burghs of Kirkintilloch, Milngavie and Helensburgh.

Industry.—Proposals for the erection, alteration or extension of 38 industrial premises were dealt with, and of these applications 12 were in the Burghs of Kirkintilloch and Milngavie, and 26 in the Landward area.

Provisional approval was given for the erection of a Works Canteen on land fronting Douglas Street, Milngavie.

Approval was subject to no new vehicular access to Douglas Street and the siting of the building to permit of the widening of Douglas Street to 60 feet.

Plans for the lay-out and construction of a building and training centre at Cloberfield, Milngavie, by the Ministry of Works, Edinburgh, were submitted and approved by the Council.

Commercial Premises.—Applications for improvement and extension of 77 commercial premises were received, mainly for shopping and business premises. 39 of these applications were within the Burghs of Kirkintilloch, Helensburgh and Milngavie, and 38 in the Landward portion of the County.

General Development.—The remaining 336 applications were for the erection, alteration or extension of buildings incidental to dwelling houses, public buildings, agricultural outbuildings, change of use of premises and for the erection or retention of war-time structures. Of this number, 88 were within the Burghs of Kirkintilloch, Milngavie and Helensburgh, and 248 in the Landward area of the County.

Draft Planning Proposals.—Factual Survey maps and plans showing the draft planning proposals throughout the County area were exhibited and explained at meetings held of the undernoted Councils :—

Town Council of Kirkintilloch.
 Town Council of Milngavie.
 Cumbernauld District Council.
 New Kilpatrick District Council.
 Old Kilpatrick District Council.
 Vale of Leven District Council.
 Helensburgh District Council.

APPEALS.

West Clyde Street, Helensburgh.—An appeal by the applicant against the decision of the Council not to allow the operation of an automatic games amusement saloon in Helensburgh was received by the Secretary of State, who appointed

a commissioner to hold a public inquiry. In view of the commissioner's report, the Secretary of State and the Minister of Transport intimated to the Council that the appeal had been disallowed.

Darleith Road, Cardross.—After the commissioner had reported to the Ministry of Transport and the Secretary of State in connection with an informal enquiry regarding the erection of a dwelling-house near the junction of Darleith Road and the Dumbarton-Helensburgh Road at Cardross, the Council was informed that the applicant had received a notice that the decision of the Council had been upheld.

CONTRAVENTIONS.

During the year it was brought to the notice of the Council that a number of structures had been erected in various parts of the County without the necessary consent of the Town Planning Committee. These contraventions included the construction of signs, hoardings and out-buildings at dwelling houses, also the erection of huts, railway coaches and the alteration to premises in the burghs of Kirkintilloch and Milngavie and in the Landward area at Croftamie, Gartocharn, Alexandria, Rhu, Cardross, Old Kilpatrick, Duntocher, Inchbelly and Waterside.

After inspection and reports thereon, several of the structures were removed at the request of the Council, while other developments were approved following the submission of suitable plans and consideration by the Council.

GUIDE POSTS AT HILLPATHS.

A proposal was submitted to the Council by the Scottish Rights-of-Way Society, Ltd., Edinburgh, for the provision of notices indicating the existence of hillpaths and cross-country routes within the county. The notices are to be erected on signposts in co-operation with the Council.

ELECTRICITY SUPPLY.

Plans were approved for the construction of overhead low tension electricity supply lines, in the housing scheme at

Waterside; to Camis Eskan, Craigendoran; to Maryland Farm by Dumbarton, and at Cochno Road, Duntocher, after the latter route has been suitably resited to permit of future development on the south side of Cochno Road near Craigspark.

Approval was given to the North of Scotland Hydro-Electric Board for an alteration in their overhead electricity supply line to the stone quarry west of Coiregrogain, near Upper Inveruglas.

The North of Scotland Hydro-Electric Board's Constructional Scheme, No. 5, comprising overhead steel tower transmission lines from Inveruglas to Glen Fruin; Glen Fruin to Renton; and Renton to Windyhill, together with sites for Loch Sloy Generating Station, Transforming and Switching Stations at Inveruglas and Windyhill, were submitted for consideration to the Council.

Meetings were held with representatives of Drums Estate, Old Kilpatrick; Barnhill Estate, Dumbarton; and the Town Council of Milngavie regarding the route of overhead transmission lines, and with representatives of the Corporation of Glasgow, the Hydro-Electric Board and the Central Electricity Board *re* the proposed transmission lines in the vicinity of Windyhill. After adjustment of the proposed routing of the overhead lines and the siting of a Switching Station at Windyhill to suit all parties concerned, the Hydro-Electric Board's Constructional Scheme was approved.

Plans for a constructional supplies line from Sloy to Ardvorlich and a transmission line between Inveruglas and Arrochar by the Hydro-Electric Board were given approval.

Proposals were also received from the North of Scotland Hydro-Electric Board for a transmission line from Inveruglas to Arrochar, together with plans for a low tension distribution net work at Arrochar.

Following adjustments of the line to avoid ear-marked sites for a proposed school and housing development at Arrochar and the locating of the low tension net work to suit future street lighting at Arrochar village, the Board's proposals were approved.

Plans for the proposed route of a steel tower transmission

line from Tummel Bridge to Inveruglas by the North of Scotland Hydro-Electric Board were approved so far as the line came within the County area.

Post Office Telegraphs.—Route plans for the erection of telegraph lines by the Postmaster-General were approved at Freeland's Place and Freeland's Crescent, Old Kilpatrick, Airdrie Road, Cumbernauld, Auchinleck Terrace, Duntocher, and between Twechar and Auchinstarry.

Permission was given for the siting of telephone kiosks after adjustments to suit the Council, at Gavinburn Street, Old Kilpatrick, and near the Housing scheme at Bowling.

Clyde Valley Regional Planning Advisory Committee.—Communications were received from the Clyde Valley Regional Planning Advisory Committee on matters generally recommended to Local Authorities arising from the consultant's report, when it was decided to continue consideration of the recommendations until an opportunity was had of hearing the consultant's explanation of the report.

A report from the Clyde Valley Regional Planning Advisory Committee on the question of the work of that Committee with statements of income and expenditure, together with balance sheets, were received by the Council.

A further communication from the Advisory Committee was received asking if the Council were prepared to approve of the proposal to form an Advisory Committee and a Technical Committee.

Approval was given with the recommendation that the staff necessary to carry out the proposals should consist of a part-time clerk, secretary, with a full-time typist and a part-time technical officer from the former Advisory Committee.

I am, Ladies and Gentlemen,

Your obedient servant,

MALCOLM ROSS,
County Engineer.