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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 1953

SCHOOL REPORT FOR YEAR 1953-54.



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

LADIES AND GENTLEMEN,

I beg to submit the Annual Report on the Health and Sanitary Conditions of the County for the year 1953, together with the Report on the Medical Inspection and Treatment of School Children for the year 1953/54.

I am, Ladies and Gentlemen,

Your obedient Servant,

SAMUEL HARVEY,
Medical Officer of Health.

COUNTY HEALTH DEPARTMENT,
88 COLLEGE STREET,
DUMBARTON.

County of Dunbarton : Public Health Department

List of Staff as at 31st December, 1953

County Medical Officer of Health.

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

Depute County Medical Officer of Health.

ALAN A. GILMOUR, M.D., D.P.H.

Assistant County Medical Officers of Health and School Medical Officers.

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

MARION H. C. CORNOCK, M.B., Ch.B., D.P.H.

AGNES W. O'GORMAN, L.R.C.P.& S., D.P.H.

Chief Welfare Officer.

GEORGE McCORKINDALE.

Chief Dental Officer.

F. A. CASSIDY, L.D.S., D.D.S.(McGill).

Dental Surgeons.

Miss E. McKENDRICK, L.D.S.

Mrs. M. W. DINN, L.D.S.

Miss SHEILA S. SPEIRS, L.D.S.

Miss DOROTHY EDWARDS, L.D.S.

Mr. THOMAS HAMILTON, L.D.S.

Mr. JAMES RODGERS, L.D.S.

Mr. KENNETH H. DAVIS, L.D.S.

Mr. JAMES H. FERGUSON, L.D.S.

Senior Dental Technician.

JOHN C. FRASER.

Superintendent of Nurses.

Miss CATHERINE T. GAVIN.

Audiometrician.

Miss CHRIS. P. ROGERS.

Health Visitors and School Nurses.

C. S. L. KING.	A. VEITCH.	A. TAYLOR.
K. S. STEVENSON.	M. MARTIN.*	M. GILMOUR.
C. DEMPSEY.	F. MacNICOL.*	E. T. CRAWFORD.
A. GEE.	B. JOHNSTONE.*	A. JOHNSTON.
M. MILLAR.	J. CLARK.*	J. CAMERON.
M. L. CALLAGHAN.	C. MacLEAN.*	M. THOMSON.
M. W. CHRISTIE.	A. M. LEITCH.*	J. P. McHAFFIE.
E. M. RANKIN.	M. G. MACDONALD.*	C. SCOBIE.
M. CALLANDER.	J. P. SCOTT.	M. MACDONALD.
E. A. SANDILANDS.	A. F. McLELLAN.	W. CAFFEL.
M. CAMERON.	D. CALDWELL.	

*Home Nurses employed Part-time Health Visiting in Rural Areas.

Midwives.

J. R. RITCHIE. MARGARET MACDONALD. J. WATERHOUSE.

Home Nurses.

MARION MacDONALD.	MARION McCUTCHEON.
MARY PEATTIE.	AGNES G. KEAN.
JESSIE McRAE.	ELIZABETH SMITH.
MARY MORIARTY.	BELL JOHNSTONE.
JOAN E. PHILLIPS.	MARGARET G. MACDONALD.
JESSIE A. MACRAE.	MARY M. MARTIN.
MARGARET BARROWMAN.	C. MacLEAN.
JEAN J. CRAWFORD.	ANNIE M. MACDONALD.
ANNIE M. LEITCH.	FLORA MacNICOL.
JANET S. CLARK.	

Central Office Staff.

Administrative Assistant - - L. McGOUGAN, D.P.A.
Home Help Supervisor - - M. McKEAN.

Clerical Staff.

ELIZABETH C. LANG.	ISABEL ANDERSON.
MARY M. BUCHANAN.	ELIZ. MacFARLANE.
WM. B. GILLILAND.	PATRICIA GRUMLEY.
ROBT. LIVINGSTONE.	RUTH McLEAN.
ELIZ. McLEAN.	JESSIE OLIVER.
AGNES KINLOCH.	BARBARA HOLLORAN.

MEDICAL OFFICER'S REPORT

FOR YEAR 1953.

VITAL STATISTICS.

Population.—The Registrar-General estimated that the population at the middle of 1953 was 96,001, a decrease of 51 over the previous year. Comparative figures for the previous five years are as follows:—

<i>Year.</i>	<i>Estimated Population.</i>	<i>Year.</i>	<i>Estimated Population.</i>
1948 ...	... 94,918	1951 ...	... 95,581
1949 ...	... 95,311	1952 ...	... 96,001
1950 ...	... 95,358		

Births and Birth Rates.—The total number of live births registered in the County during 1953 was 1240, 87 less than in 1952. 483 births were transferred out and 936 were transferred in, so that the net County total was therefore 1693 (850 males, 837 females), a decrease of 90 over the 1952 total. The number of still-births registered in the County was 36, but, after allowing for 22 transferred out and 36 transferred in, the net County total was 50 (32 males, 18 females), a decrease of 1 compared with 1952 figures. Of the 1693 live births, 41 were illegitimate. The corrected live-birth rate was 17.4 per 1000 of the population, compared with 18.6 in 1952. The still-birth rate was 29 per 1000 births (including still-births), compared with 28 in 1952.

Deaths and Death Rates.—The number of deaths registered in the County was 999, compared with 1020 in 1952. 256 registrations were transferred out and 377 were transferred in, so that the net County total was 1120 (552 males and 568 females), giving a death rate per 1000 of the population of 11.7, compared with 11.6 in 1952. 102 persons (36 males and 66 females) had attained the age of 85 or over at the time of death.

Infantile Mortality.—Total number of deaths of children under one year was 52 (26 males and 26 females), a decrease of 7 against the 1952 figure. This gave an Infantile Mortality Rate of 31 per 1000 live births, against 33 per 1000 live births in 1952. Causes of death are shown in Table II on page 14.

Deaths from Infectious Diseases.—Deaths from principal epidemic diseases during 1953 totalled 10 and are shown in Table III.

Deaths from Tuberculosis.—During 1953, 17 deaths occurred from tuberculosis (6 males, 11 females), a decrease of 13 from 1952 figures. Of the 17 deaths recorded, 16 were due to respiratory tuberculosis, giving a death-rate of 0.17 per 1000 of population, compared with 0.27 in 1952. Deaths from other forms of tuberculosis numbered 1 (1 male), against 4 in 1952, and comparative death-rates were 0.01 in 1953 against 0.01 in 1952. The death-rate for all forms of tuberculosis was 0.18 per 1000 of population in 1953, compared with 0.31 in 1952, and it is gratifying to note this progressive reduction in deaths from tuberculosis over the past few years.

Deaths from Influenza.—7 deaths (5 males and 2 females) were registered from this cause, an increase of 2 over 1952 figures.

Deaths from Pneumonia.—33 deaths from pneumonia were recorded in 1953, which included 2 in the new-born. Comparative figures for 1952 were 27 (1 in the new-born).

Deaths from Cancer.—Cancer caused 195 deaths (99 males and 96 females) in 1953. Comparative figures for 1952 were 186 (93 males and 96 females), representing an increase of 9 in 1953.

COUNTY OF DUNBARTON (INCLUDING SMALL BURGHS).

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), ...	1240	483	936	1693	856	837	17.6
Births (Illegitimate), ...	41	18	30	53	27	26	23.1
Births (still births), ...	36	22	36	50	32	18	32.9
Marriages, ...	623	—	—	—	—	—	6.5
Deaths—							
All Causes, ...	999	256	377	1120	552	568	* 11.7
Tuberculosis (All Forms), ...	—	—	—	17	6	11	0.18
Tuberculosis (Respiratory System), ...	—	—	—	16	6	10	0.17
Principal Epidemic Diseases, ¹	—	—	—	10	6	4	0.10
Children aged under One Year,	—	—	—	52	26	26	431
" " " Four Weeks	—	—	—	39	21	18	423

¹ Typhoid Fever, Meningococcal Infections, 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 = 11.6.

NATIONAL HEALTH SERVICE (SCOTLAND) ACT, 1947.

SECTION 22.

CARE OF MOTHERS AND YOUNG CHILDREN.

Births Notified.—1693 births were notified in the County during 1953, of which 695 or approximately 41 per cent. took place at home.

TABLE II.
CAUSES OF DEATH OF CHILDREN UNDER 4 WEEKS AND
UNDER 1 YEAR.

CAUSE OF DEATH.	Under 4 weeks.	Over 4 weeks and under 1 year.	TOTAL.
Pneumonia (Except of New Born)	—	3	3
Diarrhœa (Except of New Born)...	—	1	1
Congenital Malformations ...	7	4	11
Birth Injuries, Post-Natal Asphyxia and Atelectasis	11	—	11
Pneumonia of New Born	2	—	2
Malignant Neoplasms	—	1	1
Intestinal Obstructions and Hernia	1	—	1
Motor Vehicle Accidents	—	1	1
Other Diseases Peculiar to Early Infancy	18	2	20
Other Infections and Parasitic Diseases	—	1	1
TOTALS	39	13	52

Child Welfare Clinics.—21 Clinics were conducted weekly in 14 Clinics throughout the County. Of this number, 4 were conducted by Medical Officers and 10 by Health Visitors alone.

Ante-Natal and Post-Natal Clinics.—The Health Authority did not themselves conduct any Ante-Natal or Post-Natal Clinics but instead afforded clinic facilities to Dr. J. P. O. Erskine, Area Obstetrician and Gynæcologist, who conducted these clinics as Out-Patient Services of Braeholm and Overtoun

TABLE III.

COUNTY OF DUNBARTON (EXCLUDING LARGE BURGHs)—STATEMENT OF CAUSES OF DEATH (CORRECTED FOR TRANSFERS FOR 1953 COMPILED FROM FIGURES SUPPLIED BY THE REGISTRAR-GENERAL.

CAUSES OF DEATH			ALL AGES	Under 1 year	1-4 years	5-9 years	10-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 yrs over
Infectious and Parasitic Diseases	M.	15	1	1	—	1	—	—	—	—	1	4	4	2	1
	F.	21	3	2	—	—	—	—	—	—	3	2	3	5	3
Cancer—Malignant Tumours	M.	99	1	—	—	1	1	2	3	16	24	31	18	2	—
	F.	96	—	—	—	—	—	2	11	22	21	22	17	1	—
Tumours—Non-Malignant or not Defined	M.	1	—	—	—	—	1	—	—	—	—	—	—	—	—
	F.	1	—	—	—	—	1	—	—	—	—	—	—	—	—
Venereal Diseases	M.	3	—	—	—	—	—	—	—	—	—	—	3	—	—
	F.	1	—	—	—	—	—	—	—	—	—	1	—	—	—
Anaemias	M.	1	—	—	—	—	—	—	—	—	—	1	—	—	—
	F.	1	—	—	—	—	—	—	—	—	—	—	1	—	—
Diabetes Mellitus	M.	2	—	—	—	—	—	—	—	—	—	1	—	1	—
	F.	3	—	—	—	—	—	—	—	—	1	—	1	—	—
Tuberculosis—Respiratory	M.	6	—	—	—	—	—	2	1	1	2	—	—	—	—
	F.	10	—	1	—	—	1	3	2	—	—	—	3	—	—
Tuberculosis—Non-Respiratory	M.	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	F.	1	—	—	—	—	—	—	—	—	—	—	1	—	—
General Diseases	M.	1	—	—	—	—	—	—	—	—	—	—	—	—	—
	F.	3	—	1	—	—	1	—	—	—	—	—	—	—	1
Diseases of Nervous System—Vascular	M.	89	—	—	—	—	1	—	2	7	16	31	24	8	—
	F.	109	—	—	—	—	—	—	2	5	11	22	58	11	—
Diseases of Nervous System—Non-Vascular	M.	4	—	—	—	—	1	—	1	1	1	—	—	—	—
	F.	9	—	1	—	—	—	1	—	3	—	—	—	4	—
Diseases of Circulatory System	M.	196	—	—	—	—	1	—	4	15	29	66	60	21	—
	F.	209	—	—	—	—	1	—	3	8	21	64	71	41	—
Diseases of Digestive System	M.	26	1	—	1	—	—	—	1	6	4	9	4	—	—
	F.	16	1	1	—	—	—	—	1	1	3	4	3	1	—
Diseases of Genito-Urinary System	M.	17	—	1	—	—	—	—	—	—	2	4	2	8	—
	F.	8	—	—	—	—	—	—	—	—	1	3	1	2	1
Diseases of Respiratory System	M.	18	—	—	—	—	—	—	—	4	5	7	1	1	—
	F.	14	—	1	—	—	—	—	1	1	1	5	4	1	—
Puerperal Causes	M.	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	F.	3	—	—	—	—	1	2	—	—	—	—	—	—	—
Diseases of Skin and Organs of Locomotion	M.	4	—	—	—	—	—	1	—	—	—	1	2	1	—
	F.	5	—	—	—	—	—	—	—	—	—	—	2	2	—
Rheumatic Fever	M.	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	F.	2	—	—	1	1	—	—	—	—	—	—	—	—	—
Chronic Rheumatic Heart Disease	M.	3	—	—	—	1	1	—	—	—	1	—	—	—	—
	F.	8	—	—	—	—	1	—	—	2	1	1	3	—	—
Congenital Debility, Premature Birth, Malformations, etc.	M.	10	10	—	—	—	—	—	—	—	—	—	—	—	—
	F.	13	12	—	—	—	—	1	—	—	—	—	—	—	—
Pneumonia, Diarrhoea and Other Diseases peculiar to Early Infancy including New-Born	M.	12	12	—	—	—	—	—	—	—	—	—	—	—	—
	F.	10	10	—	—	—	—	—	—	—	—	—	—	—	—
Non-Meningococcal Meningitis	M.	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	F.	1	—	—	—	—	—	1	—	—	—	—	—	—	—
Influenza	M.	5	—	—	—	—	—	—	—	1	—	—	3	1	—
	F.	2	—	—	—	—	—	—	—	—	—	1	—	1	—
Senility	M.	8	—	—	—	—	—	—	—	—	—	—	2	4	2
	F.	4	—	—	—	—	—	—	—	—	—	—	—	1	3
Causes Ill-Defined or Unknown	M.	5	—	—	—	—	—	—	—	—	—	—	5	—	—
	F.	4	—	—	—	—	—	—	1	—	—	—	2	1	—
Suicide	M.	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	F.	1	—	—	—	—	—	—	—	—	—	—	1	—	—
Road Transport Accidents	M.	11	1	1	2	—	—	—	1	1	2	1	1	1	—
	F.	1	—	—	—	—	—	—	1	—	—	—	—	—	—
Other Violence	M.	16	—	2	—	—	2	5	1	3	2	—	—	—	1
	F.	12	—	2	—	—	—	1	1	—	4	—	—	1	3
TOTALS	M.	552	26	5	3	3	8	10	14	60	95	167	125	36	—
	F.	568	26	9	1	1	9	11	22	47	69	133	174	66	—

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Maternity Hospitals. Weekly clinics of this kind were conducted in 1953 as follows:—

<i>Place.</i>	<i>Day.</i>	<i>Time.</i>
Hartfield Clinic, Dumbarton ...	Tuesday	1.30 p.m.- 4. 0 p.m.
	Friday	1.30 p.m.- 4. 0 p.m.
The Clinic, Bank Street, Alexandria	Thursday	9.30 a.m.-12.30 p.m.
The Clinic, East King Street, Helensburgh	Monday	9.30 a.m.-12.30 p.m.
Whitecrook Clinic, Dean Street, Clydebank	Wednesday	1.30 p.m.- 4. 0 p.m.
	Friday	9.30 a.m.-12.30 p.m.

MATERNITY AND CHILD WELFARE.

DENTAL SERVICE.

There has been a slight increase in the number of Expectant and Nursing Mothers who received dental treatment during the year.

Although fewer general anæsthetics were administered for the mothers, the number of teeth extracted was considerably increased.

The Dental Laboratory localised within the Clinic at Old Kilpatrick came into operation in August. This permitted of the complete supervision of the production of artificial dentures, etc., from the initial stages to the completed article. The extraction of septic teeth and their replacement by artificial substitutes is essential from a general health angle. In addition one cannot but be impressed by the psychological effect on the mothers provided with dentures. The stimulus to the well-being of the patient is considerable. Little, if any, previous dental treatment would appear to have been obtained under the National Health Service by most of the mothers treated at the Clinic.

There has been a slight decrease in the number of pre-school children treated during the year but, on the other hand, the extent of treatment required and carried out has been much greater than last year. Fillings have increased by 170 per cent.,

extractions by 38 per cent. and administrations of general anæsthetics by 44 per cent. Extractions were carried out almost entirely under general anæsthetics, local anæsthetics being seldom used. Parents of infants now invariably request that the former method be used.

It is unfortunate that treatment for these small children is still too frequently sought for the relief of pain and not for its prevention. When conservation of the teeth has been possible the parents are usually amazed at the willingness of these small patients to accept this form of treatment. If this was more widely known, it is possible that earlier dental treatment would be sought and thus less teeth would have to be extracted. I am of the opinion that a film or films depicting all that takes place during the conservation of the teeth of infants should be made and exhibited on a national basis.

The dental officers are indebted to the School Doctors and Health Visitors for their willing co-operation and the encouragement given by them to parents to seek early dental service and treatment for the pre-school children.

F. A. CASSIDY.

U.V.L. Treatment.

The number of children treated in Child Welfare Clinics during 1953 totalled 89. Average number of treatments was 21. Details of cases are appended:—

<i>Causes of Reference.</i>	<i>Patients.</i>	<i>Improved.</i>	<i>Unchanged.</i>
Bronchitis, etc. ...	... 67	61	6
Debility ...	... 18	15	3
Glands ...	... 2	—	2
Others ...	... 2	2	—

Provision of Layettes and Accouchement Sets.

(a) *Layettes.*—57 layettes were provided during 1953 and charges were made for these in accordance with the County Council scales of recovery. 14 were supplied free of charge, the

applicants in all cases being unmarried mothers. Graded charges on the remaining 43 layettes were imposed as follows:—

NUMBER OF LAYETTES SUPPLIED, 1953.

14	...	Free	...	...	£0 0 0
11	...	10s.	...	...	5 10 0
7	...	15s.	...	...	5 5 0
3	...	20s.	...	...	3 0 0
4	...	25s.	...	...	5 0 0
7	...	30s.	...	...	10 10 0
3	...	35s.	...	...	5 5 0
2	...	40s.	...	...	4 0 0
1	...	45s.	...	...	2 5 0
1	...	50s.	...	...	2 10 0
1	...	55s.	...	...	2 15 0
2	...	60s.	...	...	6 0 0
1	...	80s.	...	...	4 0 0

(b) *Maternity Packs*.—In conformity with Government instructions, the Local Authority continued to issue maternity packs to all home confinement cases. The practice of issuing a suitable disinfectant in bulk to County Midwives for issue by them to patients was continued. The Local Authority paid for each pack approximately 12s. and the annual cost to the Authority was therefore in the region of £370.

Day Nurseries.

(a) *Alexandria Day Nursery* (40 Places).—The Nursery continued to have a very large waiting list for places, a natural concomitant to the increasing employment of married women in industry. Priority places were of course reserved for children of unmarried mothers, widows and estranged parents. The abnormally protracted negotiations with the land proprietors to allow of extension of this Nursery was no nearer finality at the end of 1953, and, while some progress in this matter is anticipated in 1954, the scheme for extension and adaptation is expected to be delayed into 1955.

(b) *Helensburgh Day Nursery* (30 Places).—In Helensburgh the Nursery is part of the Clinic building and, as in Alexandria, demand for places in the Nursery still exceeds availability, even with the extension from 20 to 30 places. This problem, however, was not so acute as in Alexandria, where there is a greater industrial potential and greater opportunity for employment of married women.

Residential Nurseries.

There are no Residential Nurseries in the County.

Care of Unmarried Mothers.

Arrangements exist with the undermentioned Homes to have unmarried mothers admitted for their confinements:—

1. The Salvation Army Home, 1014 Great Western Road, Glasgow.
2. The Salvation Army Home, Clevedon Road, Glasgow.
3. St. Gerard's Home, 218/220 St. Vincent Street, Glasgow.

During the year 1 case was admitted to the Salvation Army Home, 1014 Great Western Road, Glasgow.

Domestic Help.

Domestic Helps assisted at 125 home confinements in 1953, a decrease of 51 compared with 1952. The increasing number of mothers being confined in hospital—referred to elsewhere—was of course a contributory factor in the reduction.

Welfare Foods.

The Local Authority continued to provide proprietary brands of welfare foods at Clinics at a charge of 2s. 9d. and 2s. 6d. per packet. In selected cases, at the discretion of the Area Medical Officer, these foods are issued free of charge. Generally speaking, this scheme is operated at little cost to the Local Authority and recovery rate is about 90 per cent.

During 1953, the undernoted quantities of various foods were issued:—

Cow and Gate Milk Food (Full-cream and Half-cream)	2873 pkts.
Ostermilk	465 pkts.

The Local Authority co-operated with the Ministry of Food in the issue of Dried Milk, Orange Juice, etc., and in rural areas District Nurses acted on behalf of the Ministry.

Clinic accommodation was afforded from time to time to the Ministry of Food for propaganda purposes.

Provision of New Clinics.

New Clinics in Croy and Old Kilpatrick were opened during 1953 and were fully operating by the end of the year. In Old Kilpatrick, two local General Practitioners were given accommodation on a rental basis and this experiment has proved successful and may be extended as further new Clinics are constructed.

Building work commenced in Milngavie and it is hoped to have this Clinic ready in the early part of 1955.

Premature Infants.

A "flying squad" service for premature babies born at home was operated from Braeholm Maternity Hospital, Helensburgh.

Maternity Hospitals.

(a) Patients from Dunbarton County were confined in the undernoted hospitals during 1953:—

Royal Maternity Hospital, Glasgow.

Redlands Maternity Hospital, Glasgow.

Lennox Castle Maternity Hospital, Lennoxtown.

Overtoun Maternity Hospital, Dumbarton.

Braeholm Maternity Hospital, Helensburgh.

Falkirk Maternity Hospital, Falkirk.

(b) *Admissions.*—The following report on admissions to Glasgow Royal Maternity Hospital has been kindly provided by the Superintendent:—

THE GLASGOW ROYAL MATERNITY AND WOMEN'S HOSPITAL.

STATEMENT OF CASES ADMITTED (SHOWING REASONS FOR ADMISSION) TO THE
ANTE-NATAL WARDS FROM THE COUNTY OF DUNBARTON DURING YEAR 1953.

Vertex 75	Prolapsed Uterus ... 1
High Blood Pressure ... 14	Disproportion 1
Ante Partum Hæmorrhage 8	For Investigation 1
Pre-eclampsia 10	Breech 5
Anæmia 8	Anencephalus 1
Delayed Labour 4	Phlebitis 1
Incomplete Abortion ... 11	Fibroid 1
Threatened Abortion ... 8	Premature Labour ... 3
Inevitable Abortion ... 3	Vaginal Discharge ... 1
Threatened Miscarriage ... 3	Twins 1
Previous Cæsarian Section 5	Rhesus Negative 1
Induction 3	Chest Investigation ... 1
Premature Rupture of	Fœtal Distress 1
Membranes 3	Rest 1
Hyperemesis 3	Dizziness 1
Cardiac 2	Monilia Infection ... 1
Glycosuria 1	Pre-eclaptic Toxæmia ... 1
Ectopic Pregnancy ... 1	Paresis of Right Arm and
Cystitis 1	Leg 1
Pyelitis 1	Occipito Posterior ... 1
Diabetes 1	

Braeholm and Overtoun Maternity Hospitals.

I am indebted to Dr. G. P. O. Erskine, Area Obstetrician and Gynæcologist, for the following report on admissions to Braeholm and Overtoun Maternity Hospitals.

BRAEHOLM MATERNITY HOSPITAL.

DUNBARTON COUNTY PATIENTS DELIVERED IN 1953.

Normal Confinements ... 235	Babies died in hospital ... 4
Maternal Deaths Nil.	B.B.A. alive, Single Preg-
Babies born alive in hospital 216	nancies 9
Babies S.B. 8	B.B.A. S.B. 2

ANTE-NATAL ADMISSIONS.

Ante-partum hæmorrhage.	6	Pre-eclamptic toxæmia ...	9
External version	4	Abdominal pain	1
Examination under anæsthesia	1	Hæmaturia	1
Hypertension	1	Appendicitis	1
Hyperemesis	2	Renal colic	1
Pyelitis	1	Chronic bronchitis ...	1
Ectopic gestation	3	Leucorrhœa	1
Cardiac disease	5	Vaginitis	1
False labour	8	Ruptured membranes ...	1

POST-NATAL ADMISSIONS.

Post-partum hæmorrhage .	3	Retained placenta	2
Breast abscess	1	Thrombo phlebitis ...	3

ABORTIONS.

Threatened	26	Missed (D. and C.) ...	1
Incomplete (D. and C.) ...	39	Complete	3*

*One mother died in Ruchill Hospital after developing tetanus.

OBSTETRIC CONDITIONS.

	MOTHER.		CHILD.		S.B.
	Alive.	Died.	Alive.	Died.	
Breech deliveries	10	—	6	1	3
Twins	5	—	7	5*	—
Cæsarean Section	12	—	11	—	1
Forceps delivery	20	—	20	—	—
Hysterotomy	2	—	—	1†	—

*Includes four B.B.A. One mother not admitted with babies.

†Duration of pregnancy, 29 weeks.

OVERTOUN MATERNITY HOSPITAL.

DUNBARTON COUNTY PATIENTS DELIVERED IN 1953.

Normal Deliveries ...	183	Babies S.B.	6
Maternal Deaths ...	Nil.	Babies died in hospital ...	2
Babies Alive	175	B.B.A.	4

ANTE-NATAL ADMISSIONS.

High Blood Pressure ...	I	External version ...	3
Ante-partum hæmorrhage.	I	Pre-eclamptic toxæmia ...	5
Hyperemesis ...	I	Eclampsia ...	2
Hæmaturia ...	I	Ruptured membranes—	
Tonsilitis (admitted and discharged as such) ...	I	spontaneous ...	7
False labour ...	4	Artificial rupture of membranes ...	17

POST-NATAL ADMISSIONS.

Thrombo phlebitis ...	4	Retained Placenta ...	5
-----------------------	---	-----------------------	---

ABORTIONS.

Threatened ...	18	Complete ...	I
Incomplete (D. and C.) ...	5		

OBSTETRIC CONDITIONS.

	MOTHER.		CHILD.		
	Alive.	Died.	Alive.	Died.	S.B.
Breech deliveries ...	I	—	I	—	—
Twins ...	I	—	I	—	I
Forceps delivery ...	10	—	9	—	I

SECTION 23.

MIDWIFERY.

Staff.

Notice of Intention to Practise in 1953 was received from 53 Midwives, categorised as follows:—

Domiciliary—Directly employed by Local Authority ...	5
Domiciliary—Contractually employed by Local Authority ...	7
District Nurse/Midwives directly employed by Local Authority	19
Hospital Midwives—Braeholm ...	19
Maternity Nurses—Private ...	2
TOTAL ...	52

Home Confinements.

The number of live births which occurred at home was 683, and still-births numbered 12. Comparative percentages showing births occurring at home and in hospital are shown below for the past five years, and indicate fairly well the continuing trend of having baby in hospital or nursing home.

<i>Year.</i>	<i>Births at Home.</i>	<i>Births in Hospital or Nursing Home.</i>
1949	56%	44%
1950	49%	51%
1951	44%	56%
1952	44%	56%
1953	40%	60%

Analgesia.

All Midwives employed by the Authority, including those on a contractual basis, are in possession of Minnitt gas/air apparatus. Gas and Air was given in 365 cases in 1953, while Pethedine was given in 349 cases. No Midwives required training in gas/air administration during the year.

Supervision of Midwives.

The work and conduct of cases by Midwives was inspected regularly by the County Nursing Superintendent and found to be satisfactory. With the seeming stabilisation of numbers of cases entering hospital for confinement, the area needs of Domiciliary Midwifery Staff will be more readily assessed, and the Local Authority will keep this matter under close review.

The Training School status afforded to Braeholm and Overtoun Maternity Hospitals resulted in two of the County Midwifery Staff undertaking District training of Pupil Midwives throughout the year.

In cases discharged from maternity hospitals within 14 days of the birth, Local Authority Midwives attended to the nursing puerperium up to the 14th day.

SECTION 24.

HEALTH VISITING.

Staffing.

At 31st December, 1953, Staff employed on Health Visiting numbered 26, categorised as follows:—

Whole Time	...	...	...	...	...	17
*Part Time	...	...	...	...	...	2
†Part Time	...	...	...	...	...	7

*Relief Nurses covering absence of Staff on Health Visiting Certificate Course.

†District Nurses acting also as Health Visitors.

As mentioned in my 1952 Report, arrangements were made for 3 Nurses to attend the Health Visitors Training Course run by the Corporation of Glasgow and their training will be completed in April, 1954. The Authority paid £5 per week to Trainee Nurses, plus travelling allowances, and was responsible for all class fees. Nursing Staff sent for training gave a written guarantee to remain in employment for a minimum period of 2 years following completion of the Course. It is the Authority's intention to send Nursing Staff on Health Visiting Training Courses.

Clinic Work.

Attendances at Clinics showed little change from 1952 figures, though an increase in the number of babies under 1 year brought to Clinic was recorded.

The Clinic time-tables are comprehensive and a great deal of time spent by Nurses in interviewing and advising mothers on a great variety of topics cannot be adequately recorded in terms of statistics.

Health Visiting.

Visits increased once again by almost 1200 over the 1952 figures, the largest proportion of the increased visits being attributable to infants and Home Helps. Total visits numbered 28,404 compared with 27,028 in 1952. Staffing needs are under constant review in the light of this increase in both Clinic and Visiting work.

SECTION 25

HOME NURSING.

Staff.

At the end of 1953, there were employed by the Local Authority 20 Home Nurses, of whom 18 also acted as Midwives and 7 as Part-time Health Visitors in Rural Areas. The Staffing needs of this Service seemed fairly well set, although the extent of calls on District Nurses varied greatly from district to district and the position in Milngavie was being kept under review.

Transport.

At the end of 1953, 16 motor cars were provided by the Authority, while in two instances a mileage rate was paid to Nurses owning vehicles. There still remained two areas where no car was provided and these area needs are being kept under review.

Housing.

At December, 1953, Housing circumstances of Home Nurses were as follows:—

- 6 Home Nurses in Houses owned by Authority.
- 8 Home Nurses in Houses rented by Authority.
- 2 Home Nurses in Houses owned by them.
- 4 Home Nurses in Houses rented by them.

General Review.

Supervision of Home Nursing duties was carried out by the County Nursing Superintendent and the conduct of cases found satisfactory.

Visiting Returns remained comparable to 1952 Returns, though these remained relatively high at a total of 38,538. This, of course, excludes visits paid by Home Nurses in their capacity as Health Visitors and/or Midwives.

Home Nurses acting as Midwives conducted two-fifths of total Home Confinements in the County Area, their bookings being restricted to not more than 4 per month.

TABLE IV.—HOME VISITATION.

AREA	Expectant Mothers		Children under 1 Year of Age		Children between Ages 1 and 5		Tuberculosis Cases		Care of the Aged		Domestic Help		Other Cases		Grand Total of Visits
	First Visits	Total Visits	First Visits	Total Visits	First Visits	Total Visits	First Visits	Total Visits	First Visits	Total Visits	First Visits	Total Visits	First Visits	Total Visits	
Kirkintilloch Burgh	12	44	283	1,098	229	929	47	77	—	—	57	92	8	10	2,250
Kirkintilloch—Landward	16	48	161	1,736	216	1,219	20	113	13	110	67	689	49	103	4,018
Milngavie—Burgh	—	—	157	1,227	—	329	13	18	2	10	59	395	10	142	2,121
New Kilpatrick	6	12	188	1,626	196	1,461	14	70	—	—	113	363	9	240	3,772
Old Kilpatrick	12	48	225	1,549	67	1,444	10	105	1	9	25	315	24	128	3,598
Vale of Leven	—	—	315	1,920	359	2,163	47	309	—	—	70	329	132	186	4,907
Renton	5	7	115	749	49	903	28	86	—	—	18	57	39	53	1,855
Rest of Western Area	56	526	58	1,340	77	1,141	9	24	22	822	10	41	16	278	4,172
Helensburgh—Burgh	—	—	149	806	160	836	8	32	—	—	12	28	5	9	1,711
Grand Totals	107	685	1,651	12,051	1,353	10,425	196	834	38	951	431	2,309	292	1,149	28,404

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

DETAILS.	CLINICS.											
	County Totals.	Alexandria.	Renton.	Helensburgh.	Dun- tocher.	Old Kil- patrick.	Bears- den.	Miln- gavie.	Cumber- nauld.	Croy.	Twechar.	Kirkin- tilloch.
Number of Clinics held—												
Health Visitor only attend- ing	506	52	49	49	50	25	50	—	49	48	48	87
Doctor and Health Visitor Attending	533	49	47	48	48	48	49	52	47	47	46	52
Ante-Natal Consultations—												
Number attending												
Total attendances												
Referred to Pre-Natal wards—												
Referred to Family Doctor Treated at Clinic												
Post-Natal or other Consult- ations—												
Child Welfare Consultations—												
First attendances—												
Under one year	1,521	222	98	176	123	84	188	122	32	60	72	344
Over one year	1,250	143	71	124	136	75	167	39	59	62	197	177
Total Attendances—												
Under one year	13,097	1,983	1,157	740	1,307	537	1,956	1,827	415	289	601	2,285
Over one year	6,613	1,088	948	361	498	289	1,134	412	204	260	569	755

SECTION 26.

VACCINATION AND IMMUNISATION.

Vaccination.

The rate continued at a very low level, the Primary Vaccinations numbering 839 (643 in 1952) and Revaccinations 218 (142 in 1952). This is a far from satisfactory rate, representing in infants alone a rate of only 50 per cent. vaccinated in their first year of life, and our aim continues to be a 100 per cent. vaccination rate.

Immunisation.

1683 children received a full course of immunisation, while 2113 received maintenance or "boosting" inoculations. Comparative figures for 1952 were 1505 and 2113, so that little change took place over the two-year period. This is still an alarmingly low figure and continuing effort is necessary to convince parents of the vital necessity of immunisation despite the low incidence of the disease.

SECTION 28.

DOMESTIC HELP.

Staff.

133 Home Helps were employed at the end of 1953—20 full-time and 113 part-time.

This is an increase of only one full-time Home Help since last year, as against an increase of 24 part-time Home Helps. This would indicate that the demand for full-time service has meantime reached its peak, while the calls for part-time service for the aged and infirm and the chronic sick continue to increase. As the number of part-time cases increase it is becoming more possible for one Home Help to attend two old persons living in the same vicinity, thus reducing to a minimum the number of new Home Helps required.

Hospitals continue to make full use of the Home Help Service by sending patients home for convalescence and thus relieving congestion of hospital beds by long-term and chronic cases.

SECTION 27

PREVENTION OF ILLNESS, CARE AND AFTER-CARE.

Tables numbered VI, VII, VIII, IX and X show the statistical returns, as regards Tuberculosis, made to the Department of Health for the year 1953, corrected to agree with the Returns of the Registrar-General for Scotland.

The following information gives the main statistics for the Landward and Small Burghal Areas of the County extracted from the Tables

LANDWARD AREA.

- 68 Respiratory cases came to notice (57 notifications, 11 transfers in).
- 15 Non-respiratory cases came to notice (14 notifications, 1 transfer in)
- 8 Deaths (7 respiratory and 1 non-respiratory).
- 185 cases treated in Sanatoria.
- 41 cases granted domiciliary treatment.

KIRKINTILLOCH.

- 22 Respiratory cases came to notice (17 notifications, 5 transfers in).
- 4 Non-respiratory cases came to notice (all notifications).
- 3 Respiratory deaths.
- 65 cases treated in Sanatoria.
- 9 cases granted domiciliary treatment.

MILNGAVIE.

- 4 Respiratory cases came to notice (3 notifications, 1 transfer in).
- 2 Respiratory deaths.
- 7 cases treated in Sanatoria.
- 4 cases granted domiciliary treatment.

HELENSBURGH.

- 6 Respiratory cases came to notice (5 notifications, 1 transfer in).
- 3 Non-respiratory cases came to notice (2 notifications, 1 transfer in).
- 3 Respiratory deaths.
- 22 cases treated in Sanatoria.
- 3 cases granted domiciliary treatment.

TABLE VI.—RETURN OF CASES OF TUBERCULOSIS NOTIFIED DURING 1953.

				NUMBER OF CASES NOTIFIED AS SUFFERING FROM TUBERCULOSIS						
				AGE-GROUPS						
				Under 1 (1)	1 and under 5 (2)	5 and under 10 (3)	10 and under 15 (4)	15 and under 25 (5)	25 and under 35 (6)	35 and under 45 (7)
Respiratory *	.....	.....	M.	—	—	1	2	11	6	11
			F.	1	1	2	3	15	7	8
Total	.....	.....	.....	1	1	3	5	26	13	19
Non-respiratory	.....	.....	M.	1	—	1	1	1	1	1
			F.	—	—	2	2	4	—	1
Total	.....	.....	.....	1	—	3	3	5	1	2
Respiratory and Non-respiratory	.....	.....	M.	1	—	2	3	12	7	12
			F.	1	1	4	5	19	7	9
Grand Total	.....	.....	.....	2	1	6	8	31	14	21

				NUMBER OF CASES NOTIFIED AS SUFFERING FROM TUBERCULOSIS			Cases removed to hospital	Cases notified in a previous year and removed to hospital for the first time during 1952
				AGE-GROUPS				
				45 and under 65 (8)	65 and up- wards (9)	TOTAL (10)		
Respiratory *	.....	.....	M.	11	1	43	26	6
			F.	—	3	40	22	3
Total	.....	.....	.....	11	4	83	48	9
Non-respiratory	.....	.....	M.	3	—	9	5	—
			F.	—	2	11	8	—
Total	.....	.....	.....	3	2	20	13	—
Respiratory and Non-respiratory	.....	.....	M.	14	1	52	31	6
			F.	—	5	51	30	3
Grand Total	.....	.....	.....	14	6	103	61	9

* Patients are divided into respiratory and non-respiratory tuberculosis cases as follows:—

- (1) A respiratory case is one in which there is a tuberculous lesion of the lungs, pleura, intrathoracic glands, trachea or larynx
- (2) A non-respiratory case is one in which a tuberculous lesion is present in one or more parts of the body other than the lungs, pleura, intrathoracic glands, trachea or larynx.

A case in which there are both respiratory and non-respiratory lesions of clinical significance are classified as a respiratory case.

TABLE VII.—RETURN OF CASES NOTIFIED DURING YEAR IN WHICH DIAGNOSIS OF TUBERCULOSIS HAS BEEN CONFIRMED

	NUMBER OF CASES DIAGNOSED AS SUFFERING FROM TUBERCULOSIS									
	AGE-GROUPS									TOTAL (10)
	Under 1 (1)	1 and under 5 (2)	5 and under 10 (3)	10 and under 15 (4)	15 and under 25 (5)	25 and under 35 (6)	35 and under 45 (7)	45 and under 65 (8)	65 and up- wards (9)	
RESPIRATORY—										
Males	—	—	1	2	11	6	11	11	1	43
Females	1	1	2	3	15	7	8	—	3	40
Total	1	1	3	5	26	13	19	11	4	83
NON-RESPIRATORY—										
Males	1	—	1	1	1	1	1	3	—	9
Females	—	—	2	2	4	—	1	—	2	11
Total	1	—	3	3	5	1	2	3	2	20
RESPIRATORY AND NON-RESPIRATORY—										
Males	1	—	2	3	12	7	12	14	1	52
Females	1	1	4	5	19	7	9	—	5	51
Total	2	1	6	8	31	14	21	14	6	103

TABLE VIII.—RETURN SHOWING THE NUMBER OF CASES WITH THEIR HOME RESIDENCE IN THE AREA WHO RECEIVED TREATMENT IN SANATORIA OR OTHER INSTITUTIONS DURING THE YEAR

	NUMBER OF PATIENTS					
	(1)	(2)	(3)	(4)	(5)	(6)
	In Institutions on January 1	Admitted during the year	Discharged during the year	Died in the Institutions*		In Institutions on Dec., 31
RESPIRATORY—						
†Adults						
M.	33	58	46	2	1	42
F.	49	65	62	5	1	45
Children						
M.	5	7	10	—	—	2
F.	5	10	7	1	—	7
NON-RESPIRATORY—						
*Adults						
M.	10	6	13	—	1	3
F.	8	14	11	—	—	11
Children						
M.	6	2	1	1	—	6
F.	3	3	3	—	—	3
Total	118	165	153	9	2	119

* Column 4 shows those who were in final residence 28 days or over.

Column 5 shows those who were in final residence under 28 days.

† All patients of 15 years and upwards are classed as adults.

TABLE X.—RETURN OF NUMBER OF PERSONS WHO DIED FROM TUBERCULOSIS IN THE AREA DURING THE YEAR WITH PARTICULARS AS TO PERIOD ELAPSING BETWEEN NOTIFICATION AND DEATH AND BETWEEN DISCHARGE FROM AN INSTITUTION AND DEATH

(Persons dying in a sanatoria, &c., are included in the figures for the area in which they had their home residence.)

	RESPIRATORY		NON-RESPIRATORY	
	Males	Females	Males	Females
Number of persons who died from tuberculosis Of whom—				
Not notified or notified only at or after death	1	3	—	2
Notified less than 1 month before death	1	1	—	—
Notified from 1 to 3 months before death	—	—	—	—
Notified from 3 to 6 months before death	1	—	—	—
Notified from 6 to 12 months before death	—	—	—	1
Notified from 1 to 2 years before death	—	—	—	—
Notified over 2 years before death	4	6	1	—
Total	7	10	1	1
Number who died within 28 days after discharge from an Institution	—	—	—	—
Number who died more than 28 days after discharge from an institution	1	1	—	—

TABLE IX.—RETURN OF NUMBER OF PERSONS RESIDENT IN THE AREA AT 31st DECEMBER, 1953 WHO WERE KNOWN TO BE SUFFERING FROM TUBERCULOSIS

(Only cases in which a diagnosis of tuberculosis has been confirmed are included. Persons in sanatoria, etc., are included in the figures for the area in which they have their home residence.)

	NUMBER OF CASES IN AGE-GROUPS									TOTAL
	Under 1	1 and under 5	5 and under 10	10 and under 15	15 and under 25	25 and under 35	35 and under 45	45 and under 65	65 and upwards	
RESPIRATORY* —										
1. Sputum or other material examined and tubercle bacilli found M. F.	—	—	—	1	20	47	39	44	4	155
	—	—	—	—	33	44	36	10	2	125
2. Sputum or other material examined and tubercle bacilli never found M. F.	—	—	1	—	21	24	30	23	3	107
	—	—	—	1	33	40	13	6	1	94
3. Sputum or other material not examined M. F.	—	—	3	8	18	13	9	12	3	66
	—	3	5	3	40	12	8	5	3	79
Total	—	3	9	13	165	180	135	105	16	626
NON-RESPIRATORY† —										
1. Abdominal M. F.	—	—	1	—	3	1	—	1	—	6
	—	—	—	3	6	3	1	—	—	18
2. Spine M. F.	—	—	2	—	3	2	3	1	—	11
	—	1	2	—	4	9	1	1	1	19
3. Bones and joints (exclusive of spine) M. F.	—	—	2	6	8	3	2	1	—	22
	—	—	1	1	7	1	—	—	2	12
4. Superficial glands M. F.	—	1	3	4	3	2	—	—	—	13
	—	—	3	7	9	4	1	2	1	27
5. Lupus M. F.	—	—	—	—	—	—	—	—	—	—
	—	—	—	—	—	1	1	—	—	2
6. Other parts or organs M. F.	—	2	2	7	4	5	2	1	—	23
	—	1	—	—	4	8	2	1	—	16
Total	—	5	16	28	51	39	13	8	4	164
RESPIRATORY AND NON-RESPIRATORY TOTAL	—	8	25	41	216	219	148	113	20	790

* Persons suffering from both respiratory and non-respiratory tuberculosis are included under "Respiratory" only.

† Persons suffering from multiple lesions are classified according to the site of the principal lesion. No case is included more than once in the return.

NOTE.—A patient is retained on the register in the case of respiratory tuberculosis for at least five years, and in the case of non-respiratory tuberculosis for at least three years after complete freedom from symptoms and absence of signs of tuberculosis except such as are compatible with a healed lesion or lesions.

THE LIST OF PERSONS WHO WERE KNOWN TO BE ALIVE

ON THE DAY OF THE DISASTER

IN THE CITY OF ...

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TABLE Xa.—B.C.G. VACCINATION, 1953.
Return for period 1st January, 1953 to 31st December, 1953.

	Tuberculin tested		Negative re-actors		Vaccinated during 1953 *	
	M	F	M	F	M	F
(1) Nurses - - -	—	19	—	8	—	7
(2) Medical Students -	—	—	—	—	—	—
(3) Contacts - - -	79	83	114	131	31	32
(4) Special Groups not included in (1) to (3) above:—	—	—	—	—	—	—
(a) School leavers -	—	—	—	—	—	—
(b) New born babies - -	49	44	2	5	—	—
(5) Others - - -	1	—	—	—	—	—

* This return shows the number of vaccinations carried out during 1953 whether or not the pre- or post-vaccination tuberculin tests were carried out in the same year.

Post Conversion Tests of Babies Vaccinated in Glasgow Maternity Hospitals.

COVE AND KILCREGGAN.

2 Respiratory cases came to notice (1 notification, 1 transfer in).
 No deaths occurred during the year.
 4 cases received Sanatorium treatment.

Of the 83 notified cases 49 were admitted to institutions during the year. 30 of the notified cases had a positive sputum, and 22 of the cases were admitted to institutions.

Contacts.

251 x-ray examinations of contacts were made during the year, all of whom were found to be negative.

Extra Diet.

57 patients received extra nourishment (milk).

Rehabilitation.

No return for the year 1953 was made to the Department of Health. Contact with the Ministry of Labour Employment Exchanges was maintained to assist in the rehabilitation of patients and in the registration under the Disabled Persons (Employment) Act, 1944.

Housing.

10 houses were allocated by the Local Authority during the year to households in which there was a case of Tuberculosis.

GENERAL REVIEW

(1) Convalescent Homes.

(a) Four admission lines to Voluntary Homes were received and issued to patients by the County Council, usually on the recommendation of the Area Welfare Officer.

(b) Children were admitted to Convalescent Homes during 1953, and a charge made to parents in accordance with scale laid down by the Authority. This scale operated on the basis of 1s.

per £ per week of Family Income plus Family Allowance where the admitted child was in receipt of it.

(c) The Local Authority purchased Argare House, Shandon, from the British Legion and hope to open this as a Convalescent Home for children of school age towards the middle of 1954.

(2) *Veneral Diseases.*

The Local Authority continued to co-operate in the follow-up of notified cases and contacts.

(3) *Issue of Medical Equipment.*

Items of equipment—*e.g.*, Wheel Chairs, Bed Pans, Rubber Sheeting, Air Rings, etc.—were issued on loan, free of charge, to many patients through the agency of the Home Nurse in the district. This is a widely used service and is one which is well worth while.

CONTROL OF INFECTIOUS DISEASES.

Scarlet Fever.—239 cases were reported during 1953, the figures for 1952 being 201.

Diphtheria.—5 cases were notified in 1953.

Erysipelas.—8 cases were notified in 1953, the same as in 1952, and 4 were hospitalised.

Primary Pneumonia.—129 cases were notified in 1953 against 139 cases in 1952. 84 cases were hospitalised.

Influenzal Pneumonia.—12 cases were notified during 1953, against 3 in 1952.

Cerebro-Spinal Fever.—1 case was notified in 1953, against 7 in 1952.

Puerperal Fever and Pyrexia.—There were no cases intimated during 1953.

Poliomyelitis.—9 cases were notified during 1953, all confirmed and hospitalised. The figure for 1952 was two cases, both of which were confirmed.

Smallpox.—For the fourth consecutive year, there were no cases of smallpox within the County.

Whooping Cough.—This disease became notifiable from 1st January, 1950, and in 1953 there were 207 cases, of whom three were hospitalised. Comparative figures for 1952 were 62, of whom three were hospitalised.

Infectious Diseases at Dairy Farms.—No cases of infectious disease occurred in dairy farms during 1953.

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

I. CARE OF MOTHERS AND YOUNG CHILDREN

(SECTION 22)

(1) ANTE-NATAL AND POST-NATAL SERVICE—NIL.

(II) CHILD WELFARE CLINICS

	No. of clinics* provided at end of year	No. of children who first attended the clinics during year and who on the date of their first attendance were :—†		Total No. of attendances made during year by children who at end of year were :—	
		Under 1 year of age	Over 1 year of age	Under 1 year of age	Over 1 year of age
(1)	(2)	(3)	(4)	(5)	(6)
Local Health Authority Clinics	14	1,521	1,250	13,097	6,613
Clinics provided by Voluntary Organisations	—	—	—	—	—

* "Clinics" means Clinic premises, not sessions.

CHILD WELFARE CLINIC SESSIONS

Name and Address of Clinic	Number of Weekly Sessions with Health Visitor only	Number of Weekly Sessions with Health Visitor and Doctor	Total Number of Weekly Sessions
Alexandria—The Clinic, Bank Street	1	1	2
Renton—The Clinic, John Street	1	1	2
Helensburgh—The Clinic, East King Street	1	1	2
Duntocher—U.F. Church Hall	—	1	1
Old Kilpatrick—Erskine New ...	—	1	1
Milton & Bowling—Village Hall, Milton	1	—	1
Twechar—Public School	1	1	2
Cumbernauld—Public School	1	1	2
Kirkintilloch—The Clinic, Lenzie Road	1	1	
Kirkintilloch—Hillhead Community Centre	1	—	1
Milngavie—37 Station Road	—	1	1
Croy—The Clinic, M'Sparran Road	—	1	1
Bearsden—Hillfoot Clinic	1	1	2
Bearsden—Westerton Hall Committee, Community Hall, Westerton	1	—	1

(iii) DENTAL CARE

	No. inspected by Dental Officers during the year	No. found to require treatment during the year	No. accepting treatment during the year	No. actually treated by Dental Officers during the year
(1)	(2)	(3)	(4)	(5)
Expectant Mothers	11	11	11	11
Nursing Mothers	37	37	37	37
Pre-school children	279	279	279	279

N.B. This return includes work performed for burghs of Dunbarton and Clydebank.

(iv) MOTHER AND BABY HOMES

(1)	Number of Beds		Number of cots
	Ante-natal	Post-natal	
(2)	(3)	(4)	(4)
HOMES OR HOSTELS PROVIDED BY THE AUTHORITY	Nil	Nil	Nil
HOMES OR HOSTELS PROVIDED BY VOLUNTARY ORGANISATIONS —			
*The Salvation Army Home, Homeland, 1014 Gt. Western Road, Glasgow	12	53	33
*St. Gerards Home, 218-220 Renfrew Street, Glasgow, C.3		26	14

* These two Home are utilised as part of the Local Health Authority's arrangements for Care of Unmarried Mothers.

Total number of women admitted during the year to homes and hostels in Column (1) above (ignoring re-admission after confinement) 1.

(v) DAY NURSERIES (including 24-hour nurseries) as at end of year

(1)	State whether approved for training	No. of Approved places		No. of children on register at end of year		Average daily attendances during year		Waiting Lists at end of year	
		0-2	2-5	0-2	2-5	0-2	2-5	0-2	2-5
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
NURSERIES PROVIDED BY THE AUTHORITY—									
Alexandria Day Nursery Ferryfield, Bank St., Alexandria	Yes	18	22	22	24	17	18	62	110
Helensburgh Day Nur- sery, East King Street, Helensburgh	Yes	6	24	8	26	7	22	22	20

(vi) RESIDENTIAL NURSERIES AND CHILDREN'S HOMES provided as part of the Authority's arrangements under Section 22 of the National Health Service (Scotland) Act, 1947—Nil.

(vii) NURSERIES AND CHILD MINDERS REGULATION ACT, 1948—Nil.

II. MIDWIFERY (SECTION 23)

- (i) Total No. of births **occurring in the area** during year—that is before correction for mother's residence :—
Live Births, 1,219. Still Births, 37. Total, 1,256.
- (ii) Total No. of births in (1) occurring in institutions (including private maternity homes) 561†.
† Took place in Braeholm Maternity Hospital, Helensburgh.
- (iii) No. of births in (i) occurring at home :—
Live Births, 683. Still Births, 12. Total, 695.
- (iv) No. of births in (iii) classified to show nature of attendance at birth :—

	Cases dealt with under Section 23 (2) of the National Health Service (Scotland Act, 1947†)			Other domiciliary cases			TOTAL
	Doctor engaged and present at confinement	Doctor engaged and not present at confinement	Midwife alone (no doctor engaged)	Doctor and Midwife engaged	Midwife alone (no doctor engaged)	Without doctor or Midwife	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) Midwives employed by the Authority (including those engaged on a fee-per-case basis)	178	501	—	—	—	—	679
(b) Midwives employed by Voluntary Organisations under arrangements made by the Authority	—	—	—	—	—	—	—
(c) Midwives employed by Hospital Boards of Management under arrangements made by the Authority with the Regional Hospital Board	—	—	—	—	—	—	—
(d) Private practising midwives	—	—	—	16	—	—	16
(e) TOTALS	178	501	—	16	—	—	695

Emergency cases under Section 22 (1) of the Midwives (Scotland) Act, 1916, are no included in the cases in which a doctor has been "engaged."

Notes.—The total of (iv) should equal (iii).

(v) Medical Aid

- (a) No. of cases in which medical aid was summoned during the year under Section 14 (1) of the Midwives (Scotland), Act, 1951, by a Midwife :—Nil

(vi) Administration of Analgesics

- (a) No. of domiciliary midwives in the area qualified to administer gas and air analgesia in accordance with the requirements of the Central Midwives Board for Scotland (**including** superintendents, non-medical supervisors of midwives, midwife teachers, midwives employed by the local health authority and by voluntary organisations, private practising midwives, and hospital midwives undertaking domiciliary cases under arrangements made by the local health authority and the Regional Hospital Board but **excluding** pupil midwives undergoing training on the district) Total 27
- (i) No. in (a) employed on local health authority work 27
- (ii) No. in (a) not employed on local health authority work —
- (b) No. of domiciliary midwives who received their training during the year —
- (c) No. of sets of Apparatus for the administration of gas and air in use in the area at 31st December, 1953 29
- (i) No. in (c) in use by domiciliary midwives employed on local health authority work (including those in use by hospital midwives undertaking domiciliary cases) 29
- (ii) No. in (c) in use by domiciliary midwives not employed on local health authority work —
- (d) No. of sets on order at 31st December, 1953 —
- (e) No. of cases in which gas and air was administered by midwives in domiciliary practice during the year (including cases attended by hospital midwives undertaking domiciliary cases)—
- (i) When doctor was not present at delivery 251
- (ii) When doctor was present at delivery 114
- (f) No. of cases in which pethidine was administered by midwives in domiciliary practice during the year (including cases attended by hospital midwives undertaking domiciliary cases)—
- (i) When doctor was not present at delivery 253
- (ii) When doctor was present at delivery 96

(vii) No. of Cars in use by midwives at 31st December, 1953 19

VI. DOMICILIARY MIDWIFERY AND LOCAL HEALTH AUTHORITY NURSING SERVICES
 Staff in post at 31st December, 1953.
 Approximate present population 63,568.
 (f) Domiciliary Midwifery Service.

	Directly employed by Local Health Authority		Employed by Voluntary Organisations, including District Nursing Associations		Employed by Hospitals on arrangements between Regional Hospital Board and Authority	
	Whole-time	Part-time	Whole-time	Part-time	Whole-time	Part-time
Midwives (not undertaking Home Nursing or Health Visitor duties) employed in the following categories:—						
Non-Medical Supervisors and Assistant Non-Medical Supervisors of Midwives	—	—	—	—	—	—
Superintendents or Sisters-in-charge of District Midwives' Homes	3	—	—	—	—	—
Midwives	—	4	—	—	—	—
Private practising Midwives	3	4	—	—	—	—
Total	6	8	—	—	—	—

Midwives in the area who are not employed on Local Health Authority Work—
 Private practising Midwives (not shown above) Nil.

(ff) Home Nursing Service.

	Directly employed by Local Health Authority		Employed by Voluntary Organisations, including District Nursing Associations	
	Whole-time	Part-time	Whole-time	Part-time
Nurses (not undertaking Midwifery or Health Visitor duties) employed in the following categories:—				
Superintendents or Sisters-in-charge of Nurses' Homes	—	—	—	—
Home Nurses (State Registered Nurses, Enrolled Assistant Nurses, Others employed on nursing duties)	1	—	—	—
Total	1	—	—	—

(gg) Health Visiting Service.

	No. Employed		No. holding Certificate
	Whole-time	Part-time	
Health Visitors and other Public Nurses (not undertaking Midwifery or Home Nursing duties) employed in the following categories:—			
Superintendents	—	—	—
Health Visiting Tutors	—	—	—
Health Visitors not undertaking tuberculous or school health work	—	—	—
Health Visitors and Tuberculous Visitors employed solely on tuberculous work	—	—	—
Health Visitors and Nurses employed solely on school health work	5	—	3
Health Visitors employed on all duties, including tuberculous and school health work	17	2	6
Child Protection Visitors	—	—	—
Nurses employed solely at Local Health Authority Clinics	—	—	—
Other Local Health Authority Nurses	—	—	—
Total	22	2	9

† Debate where not applicable.

(hh) Combined Duties in Midwifery, Home Nursing and Health Visiting Services.

	Directly employed by Local Health Authority		Employed by Voluntary Organisations, including District Nursing Associations		No. holding Certificate
	Whole-time	Part-time	Whole-time	Part-time	
Nurses and Midwives on combined duties in the Midwifery, Home Nursing and Health Visiting Services employed in the following categories:—					
Superintendent (or Chief) Nursing Officers	1	—	—	—	1
Non-Medical Supervisors and Assistant Supervisors of Midwives	—	—	—	—	—
Superintendents or Sisters-in-charge of District Nurses' Homes	—	—	—	—	—
Nurses and Midwives employed on—					
Midwifery, Health Visiting and Home Nursing duties	7	—	—	—	—
Midwifery and Home Nursing duties	11	1	—	—	—
Midwifery and Health Visiting duties	—	—	—	—	—
Health Visiting and Home Nursing duties	—	—	—	—	—
Total	19	1	—	—	—

* Also acts as Supervisor of Midwives.

(ii) Day Nurseries, Residential Nurseries and Children's Homes provided under Section 22 of the National Health Service (Scotland) Act, 1947.

	Employed in Day Nurseries		Employed in Residential Nurseries and Children's Homes	
	Whole-time	Part-time	Whole-time	Part-time
Matrons (State registered (R.G.N., R.S.C.N., or R.F.N.) Others)	1	—	—	—
Deputy Matrons (State registered (R.G.N., R.S.C.N., or R.F.N.) Others)	1	—	—	—
Certificated Nursery Nurses	—	—	—	—
Enrolled Assistant Nurses	7	—	—	—
Nursery Students in Training	—	—	—	—
Other Staff (State registered (R.G.N., R.S.C.N., or R.F.N.) Not State Registered (Playmistresses, Nursery Assistants, Helpers, etc.))	10	—	—	—
Total	21	—	—	—



III. HEALTH VISITING (SECTION 24)

(1)	No. of Visits paid by Health Visitors (or by District Nurses in their capacity as Health Visitors) during the year										
	Expectant Mothers*		Children under 1 year of age		Children between the age of 1 and 5		Tuberculosis cases		Other cases		Total Visits Paid
	First Visits†	Total Visits	First Visits†	Total Visits	First Visits†	Total Visits	First Visits†	Total Visits	First Visits†	Total Visits	
(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	
Health Visitors employed by the Authority	107	685	1,651	12,051	1,353	10,425	196	834	761	4,409	28,404
Health Visitors employed by Voluntary Organisations	—	—	—	—	—	—	—	—	—	—	—

Notes.—*These visits do not include visits paid by a midwife-health visitor who is to attend the confinement as a midwife or maternity nurse.

† Excluding cases visited during the previous year and cases known to have previously been visited in another area.

IV. HOME NURSING (SECTION 25)

(1)	No. of Cases attended by Home Nurses (or by District Nurses in their capacity as Home Nurses) under arrangements made under this Section		No. of Visits paid by Nurses to these Cases	
(1)	(2)		(3)	
Home Nurses employed directly by the Authority	†	2,247 (926)	†	38,538 (16,911)
Home Nurses employed by Voluntary Organisations under arrangements made by the Authority	†	— ()	†	— ()

† Elderly patients (eg., those aged 65 or over) are included and also shown separately in the brackets.

V. DOMESTIC HELP (SECTION 28)

(i) No. of Domestic Helps employed at end of year	133
(a) whole-time	8
(b) part-time	113
(c) Retaining fee basis	12
(ii) No. of cases for which Helps were provided during year	516
(iii) No. of cases in (ii) provided on account of confinement :—	
(a) at home }	126
(b) in hospital }	28
(iv) No. of cases in (ii) provided on account of chronic sick including aged and infirm (if available)	236

TABLE XI.—MATERNITY AND CHILD WELFARE DENTAL SERVICE—JANUARY, 1953/DECEMBER, 1953
Entire County excluding Burghs of Clydebank and Dumbarton

	Maternity Service		Child Welfare
	Ante-Natal	Post-Natal	
1. Number Inspected	11	37	279
2. Number Requiring Treatment	11	37	279
3. Number Accepting Treatment	11	37	280
4. Number Actually Treated	11	35	279
5. Number of Attendances	26	181	600
6. Number Completed Treatment	7	27	288
<i>Treatment—</i>			
(a) Number of Fillings	7	11	147
(b) Number of Teeth Extracted	39	329	724
(c) Number under Local Anaesthesia	2	12	22
(d) Number of Administrations of General Anaesthesia	4	33	206
(e) Number of Dentures Supplied	—	25	—
(f) Number of Dentures Repaired	—	—	—

TABLE XII.

DIPHTHERIA IMMUNISATION, 1953.

RETURN FOR PERIOD FROM 1ST JANUARY, 1953, TO 31ST DECEMBER, 1953.

<i>Year of birth of persons.</i>	<i>*Number of children who completed a full course of immunisation during the year ended 31/12/53.</i>			<i>Number of mainten- ance inoculations given during the year ended 31/12/53.</i>
1953	74	—
1952	952	—
1951	217	—
1950	68	1
1949	55	8
1948	49	210
1947	126	639
1946	39	119
1945	17	75
1944	12	98
1943	50	640
1942	12	95
1941	3	37
1940	—	13
1939	5	139
1938 or earlier	4	39
			1683	2113
			1683	2113

*The information is in respect of all children who have received the final injection of a course of immunisation during the year. As indicated in Appendix C to D.H.S. Circular 76/1948, the waiting period of 12 weeks for the development of immunity is disregarded.

TABLE XIII.—VACCINATION
RETURN FOR PERIOD 1ST JANUARY, 1953, TO 31ST DECEMBER, 1953

Year of birth of persons	NUMBER OF PERSONS PRIMARILY VACCINATED DURING PERIOD					NUMBER OF PERSONS RE-VACCINATED DURING PERIOD					Number of persons specially reported during period because of actual or alleged complication of vaccination		
	Typical vaccinia greatest at 7th-10th day	Accelerated (vaccinoid) Reaction 5th-7th day	Reaction greatest at 2nd-3rd day	No local reaction	Typical vaccinia greatest at 7th-10th day	Accelerated (vaccinoid) Reaction 5th-7th day	Reaction greatest at 2nd-3rd day	No local reaction	Typical vaccinia greatest at 7th-10th day	Accelerated (vaccinoid) Reaction 5th-7th day		Reaction greatest at 2nd-3rd day	No local reaction
1953	371	9	2	28	—	—	—	—	—	—	—	—	—
1952	303	5	—	8	—	—	—	—	—	—	—	—	—
1951	37	2	—	1	—	—	—	—	—	—	—	—	—
1950	30	1	—	—	2	—	—	—	—	1	—	2	—
1949	13	—	—	—	—	—	—	—	—	—	—	—	—
1948	—	—	—	—	—	—	—	—	—	—	—	—	—
1947	5	—	—	—	1	—	—	—	—	—	—	—	—
1946	4	—	—	—	2	—	—	—	—	—	—	—	—
1945	1	—	—	—	2	—	—	—	—	—	—	—	—
1944	1	—	—	—	—	—	—	—	—	—	—	—	—
1943	4	1	—	—	—	—	—	—	—	—	—	—	—
1942	2	—	—	—	—	—	—	—	—	—	—	—	—
1941	1	—	—	—	—	—	—	—	—	—	—	—	—
1940	2	—	—	—	—	—	—	—	—	—	—	—	—
1939	1	—	—	—	—	—	—	—	—	—	—	—	—
1938 or earlier	8	—	—	—	—	—	—	—	—	—	—	—	—
Totals	783	17	2	37	108	34	53	23	31	41	20	—	

COUNTY OF DUNBARTON.

TABLE XIV.—SHOWING THE NUMBER OF CASES OF INFECTIOUS DISEASE OCCURRING IN HOUSES OF DIFFERENT SIZES, &c., IN 1953.

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, ...	...	2	2	2	2	1	...	...	...	...	...	9
Scarlet Fever, ...	2	53	71	79	13	20	1	...	...	...	...	239
Erysipelas, ...	...	2	3	2	...	...	1	...	...	...	...	8
Primary Pneumonia, ...	1	30	46	41	4	5	...	1	...	...	1	129
Influenzal Pneumonia, ...	2	3	...	2	5	...	...	...	...	...	...	12
Continued Fever, ...	...	...	...	2	...	...	...	...	...	...	...	2
Dysentery, ...	...	...	...	...	2	...	...	...	...	...	...	2
Jaundice, ...	...	...	...	1	...	...	...	...	...	...	...	1
Clinical Diptheria, ...	...	...	...	...	1	...	...	...	...	...	...	1
Whooping Cough, ...	6	71	51	70	6	3	...	...	...	...	...	207
Measles, ...	...	...	...	...	...	...	1	...	...	...	...	1
TOTAL, ...	11	161	173	199	32	30	3	1	...	...	1	611

TABLE XV a.
 AMENDED FIGURES TO SHOW CASES OF INFECTIOUS DISEASES NOTIFIED DURING THE YEAR 1953 NOW SUBSEQUENTLY
 CONFIRMED.

DISEASES	At all ages	Under 1	1 and under 5	5 and under 15	15 and under 25	25 and under 35	35 and under 45	45 and under 65	65 and over	Cases Removed to Hospital	Cases not Removed to Hospital
Diphtheria •	1	..	..	..	..	..	..	1	..	1	..

Cerebro-Spinal Fever †	..	..	..	..	..	..	..	..	..	..	..

Total	1	..	..	..	..	..	..	1	..	1	..

* This was confirmed as a case of Clinical Diphtheria.

† All cases of Cerebro-Spinal Fever which were notified during 1958 were found to be negative.

TABLE XV.—RETURN OF CASES OF INFECTIOUS DISEASE (EXCLUDING TUBERCULOSIS) NOTIFIED DURING THE YEAR ENDED 31ST DECEMBER, 1953

DISEASE	NUMBER OF CASES COMING TO THE KNOWLEDGE OF THE MEDICAL OFFICER OF HEALTH AND ACCEPTED BY HIM AS SUFFERING FROM THE STATED DISEASE										
	At all ages	At Age—Years								Cases removed to hospital	Cases not removed to hospital
		Under 1	1 and under 5	5 and under 15	15 and under 25	25 and under 35	35 and under 45	45 and under 65	65 and upwards		
	1	2	3	4	5	6	7	8	9	10	11
Cerebro-Spinal Fever	M. 8	—	1	1	—	—	1	—	—	3	—
	F. 1	—	—	—	1	—	—	—	—	1	—
Chickenpox	M. —	—	—	1	—	—	—	—	—	—	—
	F. —	—	—	—	—	—	—	—	—	—	—
Cholera	M. —	—	—	—	—	—	—	—	—	—	—
	F. —	—	—	—	—	—	—	—	—	—	—
Continued Fever	M. —	—	—	—	—	—	—	—	—	—	—
	F. 2	—	—	—	1	—	—	1	—	2	—
Diphtheria	M. 8	—	—	2	—	—	—	1	—	3	—
	F. 1	—	—	—	1	—	—	—	—	1	—
Dysentery	M. —	—	—	—	—	—	—	—	—	—	—
	F. 2	—	—	1	—	1	—	—	—	2	—
Encephalitis Lethargica	M. —	—	—	—	—	—	—	—	—	—	—
	F. —	—	—	—	—	—	—	—	—	—	—
Erysipelas	M. 6	—	—	—	—	—	—	5	1	4	2
	F. 2	—	—	—	—	—	—	1	1	—	2
Jaundice, Acute Infective	M. 1	—	—	—	1	—	—	—	—	—	1
	F. —	—	—	—	—	—	—	—	—	—	—
Malaria	M. —	—	—	—	—	—	—	—	—	—	—
	F. —	—	—	—	—	—	—	—	—	—	—
Measles	M. 1	—	1	—	—	—	—	—	—	1	—
	F. —	—	—	—	2	—	—	—	—	—	—
Ophthalmia Neonatorum	M. 1	1	—	—	—	—	—	—	—	—	1
	F. —	—	—	—	—	—	—	—	—	—	—
Plague	M. —	—	—	—	—	—	—	—	—	—	—
	F. —	—	—	—	—	—	—	—	—	—	—
Pneumonia, Acute Influenzal	M. 10	—	1	1	1	—	3	3	1	6	4
	F. 2	—	—	1	—	—	—	1	—	2	—
Pneumonia, Acute Primary	M. 70	10	9	10	6	4	4	16	11	44	26
	F. 59	5	13	11	1	4	5	4	6	40	19
Poliomyelitis, Acute	M. 2	1	1	—	—	—	—	—	—	2	—
	F. 7	—	4	—	—	1	2	—	—	7	—
Puerperal Fever	M. —	—	—	—	—	—	—	—	—	—	—
	F. —	—	—	—	—	—	—	—	—	—	—
Scarlet Fever	M. 110	2	36	70	2	—	—	—	—	67	13
	F. 129	1	51	75	—	1	1	—	—	107	22
Smallpox	M. —	—	—	—	—	—	—	—	—	—	—
	F. —	—	—	—	—	—	—	—	—	—	—
Typhoid Fever	M. —	—	—	—	—	—	—	—	—	—	—
	F. —	—	—	—	—	—	—	—	—	—	—
Para-Typhoid A.	M. —	—	—	—	—	—	—	—	—	—	—
	F. —	—	—	—	—	—	—	—	—	—	—
Para-Typhoid B.	M. —	—	—	—	—	—	—	—	—	—	—
	F. —	—	—	—	—	—	—	—	—	—	—
Typhus Fever	M. —	—	—	—	—	—	—	—	—	—	—
	F. —	—	—	—	—	—	—	—	—	—	—
Whooping Cough	M. 104	11	57	36	—	—	—	—	—	2	102
	F. 162	12	43	27	—	1	—	—	—	1	16
TOTAL	M. 211	24	106	120	10	4	8	20	13	160	150
	F. 281	18	181	115	4	8	8	12	7	163	145

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COUNTY OF DÚNBARTON.
TABLE XVI.—CASES OF INFECTIOUS DISEASE COMING TO THE KNOWLEDGE
OF THE MEDICAL OFFICER DURING 1953.

AREA.	Measles	Whooping Cough	Scarlet Fever	Erysipelas	Puerperal Fever	Puerperal Pyrexia	Primary Pneumonia.	Influenzal Pneumonia.	Dysentery.	Poliomylitis.	Ophthalmia Neonatorum.	Para Typhoid B.	Continued Fever	Jaundice	Clinical Diphtheria	Totals
Kirkintilloch (Burgh),	..	22	60	2	..	..	21	..	2	..	..	..	..	..	..	107
Milngavie	..	23	50	..	..	..	3	..	..	1	..	..	1	..	..	78
Helensburgh, "	..	2	..	..	..	..	2	1	..	..	..	..	..	..	..	6
Kilcreggan, "	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	9
Arrocher, (Western Area),	1	..	1
Bonhill, (Parish),	..	60	37	..	..	..	89	10	..	4	..	..	1	..	1	152
Cardross, "	..	35	6	3	..	..	18	..	..	..	..	..	..	..	..	62
Kilmarnock, (Western Area),	1	..	..	..	..	..	..	..	..	..	..	..	..	1
Luss, "	1	..	..	..	..	..	..	..	..	..	..	..	..	1
Rosneath, "	1	..	..	..	..	..	..	..	..	1
Rhu, "	1	12	..	..	..	..	1	..	..	..	..	..	..	..	..	14
Cumbernauld, (Parish),	..	8	8	..	..	..	16	..	..	..	..	..	..	..	..	31
Kirkintilloch, "	..	9	18	1	..	..	7	..	..	..	..	..	..	..	..	36
East Kilpatrick, "	..	6	20	..	..	..	3	..	..	2	..	..	..	..	..	31
West Kilpatrick, "	..	28	37	2	..	..	10	1	..	2	..	..	..	..	..	89
Totals,	1	207	239	8	..	..	129	12	2	9	..	..	2	1	1	611
Removed to Hospital.	1	3	204	2	..	..	84	3	2	9	..	..	..	..	1	316

NURSERIES AND CHILD MINDERS REGULATIONS, 1948.

No applications were received in respect of premises during 1953, and no intimations were received from Child Minders.

PORT HEALTH ADMINISTRATION.

C.

This Local Authority makes an annual payment to the City of Glasgow for services carried out by that Authority on our behalf.

Additionally, suitable arrangements were made for docking of oil tankers at Finnart, which is in Dunbartonshire Area.

FOOD SUPPLY.

D.

Milk.—The Specification of certain areas of the County and the freedom of herds from Tuberculosis has practically rid the area of the nightmare possibility of tubercular infection from milk.

There is no doubt that the majority of farmers appreciate that milk must be a "clean food" so that generally speaking the standard of cleanliness of production is high. Lapses occur, due in the main to staffing difficulties, but these are soon remedied.

In the odd case where the producer adopts a *laissez faire* attitude there is no doubt that the constant pressure of advice from the milk officer can only be of real value if the threat to a removal of licence exists.

Ice Cream.—The application of the regulations have been thoroughly carried out by the staff of Sanitary Inspectors, and all premises are now of a suitable standard. As in milk production, however, constant supervision of methods and personnel is important and there seems no doubt that this is appreciated by all concerned.

Food Hygiene.—No spurt in producer and retailer activities in this field can be recorded and legislation is still urgently required to deal with the issue.

Food Poisoning.—Many cases of infection rather than poisoning of food still go unrecorded. These cases form the vast number of persons off work because of diarrhoea. Explosive outbreaks of disease did not occur in the district.

Nutrition.—There is nothing of note to record.

MISCELLANEOUS.

E.

NATIONAL ASSISTANCE ACT, 1948.

Part III Accommodation.

While available accommodation in the Local Authority Area did not improve, progress was made towards the erection of two Homes in the County—Milton, Dumbuck, by Bowling, to accommodate 25, and Alexandria, where a conversion of a standard block of four four-apartment houses was planned to accommodate 15. It is hoped to have the Alexandria Home in full use early in 1955 and the Milton Home later in that year.

During the year 52 cases were admitted to Part III Accommodation in Townend, Dumbarton.

Medical Supervision and Services.

Medical Supervision and Services were provided in Townend, Dumbarton, the only Part III accommodation within the area at present.

Registration and Inspection of Homes for the Aged and Disabled.

No applications were received during 1953, but it is expected that the Church of Scotland Eventide Home at Helensburgh will be registered during 1954.

Removals (Section 47).

No compulsory removals were undertaken during 1953, the local Welfare Officers being able in all instances to effect removals by persuasion. There are still cases where the household circumstances are atrocious but the old person is fairly fit so that Section 47 cannot be worked. It is felt that in these cases, especially where the Home Help Services have failed for one reason or another, that there should be some relaxation of the conditions laid down in the Act.

Care of Property (Section 48).

In two cases arrangements were made for the care of property while householders were detained in hospital.

Burials (Section 50).

During the year 1953, 21 burials took place and were paid for by the Local Authority. In three cases the cost was recovered.

SECTION 29.

WELFARE SERVICES.

Handicapped Persons (excluding Blind).

Some progress was made during the year in the formation of of a Scheme to provide Services at home and in suitable training establishments and it is hoped that there will be some further progress in this direction during 1954.

Blind Persons.

Registered Blind Persons in the County at 31st March, 1953, numbered 138, an increase of 21 over the previous year. Of the total, 29 were new registrations of which 7 only were under 65 years of age, thus cutting down at the outset the trainability prospects. Of the County total of 138, 101 were over 60 years of age. A total of 14 were employed as follows:—

In Workshops for the Blind	...	...	...	8
In Approved Home Work	...	...	...	1
Others	...	...	...	5

TABLE XVIII.—STATISTICS RELATIVE TO BLIND PERSONS AS AT 1ST APRIL, 1954.

DUNBARTON COUNTY (INCLUDING SMALL BURGH).
M = Males; F = Females; T = Total.

TABLE I.—PERSONS REGISTERED FOR FIRST TIME DURING YEAR ENDED 31st MARCH, 1954.
AGES AT TIME OF REGISTRATION AND PROBABLE YEAR OF ONSET OF BLINDNESS.

Probable Year of Onset	AGE AT REGISTRATION														TOTAL										
	* 0-1		2-4		5-15		16-17		18-20		21-29		30-39			40-49		50-59		60-64		65-69		70+	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.		M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	T.
Prior to 1950
1950
1951
1952
1953
1954

II.—PERSONS REGISTERED FOR FIRST TIME DURING YEAR ENDED 31st MARCH, 1953.
CERTIFICATION OF BLINDNESS.

Ophthalmic Surgeons attached to Clinics	Certified by		Cases Registered without Medical Examination	TOTAL
	Other Ophthalmic Surgeons	Medical Practitioners other than Ophthalmic Surgeons		
25	25

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

* 0-1	2-4		5-15		16-17		18-20		21-29		30-39		40-49		50-59		60-64		65-69		70+		TOTAL		
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.		T.	
...	
1	1	1	3	2	6	4	9	8	4	7	6	8	35	41	65	73	138

IV.—CLASSIFICATION OF BLIND SCHOOL CHILDREN (2 TO 15 YEARS INCLUSIVE).

At School	Normal		Additionally Handicapped		Total	
	M.	F.	M.	F.	M.	F.
Voluntary School
Education Authority School
Not at School
Total

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

Employed	(a)		(b)				(c)		(d)		(e)	
	M. F.		M. F.		M. F.		M. F.		M. F.		M. F.	
	4	4	...	...	...	...	...	...	...	...	...	...
In workshops for the blind	...	...	...	...	...	...	...	...	...	...	...	...
As approved Home workers	1	...	...	...	...	...	...	...	...	...	...	...
Others	4	1	...	...	...	...	...	...	...	...	...	...
Totals	9	5	...	...	...	...	...	...	...	...	...	...

VI.—THE PROBABLY TRAINABLE BLIND.

Employed	16-17		18-20		21-29		30-39		40-49		50-59		Total	
	M. F.		M. F.		M. F.		M. F.		M. F.		M. F.		M. F.	
	1
For sheltered employment	...	...	...	...	...	...	...	...	...	...	...	...	...
For open employment	...	...	...	...	...	...	...	...	...	...	...	...	...
For profession or university	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	1	...	...	...	...	...	...	...	...	...	...	...	...

William Dougal, 25 Nithdale Crescent, Bearsden—Aged 47 years, willing to undergo training.
Mary McEechan, 5 Stewart Street, Milngavie—Aged 16 years, willing to undergo training.

Radio Licences (Wireless Telegraphy (Blind Persons Facilities) Act, 1926).

During 1953, 14 certificates were issued to registered Blind Persons.

TABLE XVII.

	On Register at 1/1/53.	Added during year.	Total.	Died During Year.	Left district during year.	Certification withdrawn.	On Register at 31/12/53.
Burgh of Kirkintilloch,	14	3	17	1	...	...	16
Burgh of Helensburgh,	11	2	13	1	1	...	11
Burgh of Milngavie, ...	14	...	14	...	1	...	13
Burgh of Kilcreggan, ...	...	1	1	...	...	...	1
Eastern Area (Landward), ...	32	14	46	3	...	...	43
Western Area (Landward), ...	42	11	53	4	2	...	47
	113	31	144	9	4	..	131

MENTAL HEALTH SERVICES.

The following report has been provided by the Chief Welfare Officer:—

Lunatic and Mental Defectives under Supervision.

	Males.	Females.
Boarded-out Lunatics	3	2
Boarded-out Mental Defectives	7	8

Allowances Paid to Guardians.

Lunatics ...	£352	5	6	(Recoverable from Regional Hospital Board)
Mental Defectives	£916	0	0	
Clothing Allowance, etc.	34	0	9	
	<u>£950</u>	<u>0</u>	<u>9</u>	

Removals to Mental Hospitals.

Cases	34
--------------	----

Awaiting Admission to Certified Institutions.

On waiting list at 15th May, 1953...	...	...	11
Reported during the year ...	...	...	7
			<hr/> 18
Admitted during the year ...	...	...	6
			<hr/> 12
On waiting list at 15th May, 1954...	...	...	<hr/><hr/>12

Notified by Education Committee.

Fourteen cases were notified by Education Committee of children attending Special Schools who had attained 16 years of age. Two of the children were removed to certified Institutions and the parents of the remaining 12 children did not wish any action taken and as the home circumstances are satisfactory they are remaining in the care of their parents.

Cases for whom Reports were obtained.

The General Board of Control has called for reports on the home conditions in the case of 38 patients in Certified Institutions.

NURSING HOMES REGULATION (SCOTLAND) ACT, 1938.

There are no registered Nursing Homes within the County.

HEALTH EDUCATION.

No specific campaign was carried out during the year, but literature was issued regularly to all Health Department Agencies.

GENERAL SANITATION.

Water Supply.

Routine sampling of public and private water supplies continued and in all 59 were taken from both sources. No difficulty as regards suitability of supply existed.

TABLE XIX.—RAINFALL DURING 1953

STATION	OBSERVER	Rain Gauge			January	February	March	April	May	June	July	August	September	October	November	December	Totals
		Diameter	Ht. above Ground	Ht. above Sea-level													
Whistlefield, Clear Water Tank	Malcolm Ross, County Engineer	in. 8	ft. in. 1 0	ft. 342	3-00	3-53	1-78	3-22	3-84	2-21	5-95	4-81	8-46	4-03	9-37	6-41	56-61
Rhu, Filter House	Do.	8	1 0	350	3-29	3-87	1-87	5-07	3-48	1-37	7-07	4-51	5-65	4-64	10-54	6-03	57-40
Valve House, Luss Rd., Helensburgh	A. Duncan Romisch, Burgh Surveyor	8	1 0	293	2-95	2-61	1-88	2-56	3-43	1-51	6-00	4-72	5-76	3-98	9-38	5-71	50-49
Renton Filters	E. Carberry, Alexandria	8	4 0	292	2-28 16	2-29 16	2-18 8	2-13 18	2-43 13	1-14 10	5-33 23	3-57 20	4-21 17	3-14 16	6-81 25	5-47 21	40-98 203
Garshake	William Wilson, Burgh Engineer	8	1 0	235	2-67	2-16	1-66	2-02	2-34	1-18	5-02	3-74	3-75	2-78	7-02	5-13	39-47
Loch Humphrey	Do.	8	1 0	1052	2-81	2-32	1-35	2-01	2-42	1-21	5-86	5-02	5-53	3-40	7-11	5-88	44-92
Main Sewage Stn., Dumbarton	Do.	5	1 0	11	1-91	1-76	0-96	1-85	2-32	1-43	5-03	3-86	3-60	2-83	6-80	5-26	37-66
Glen Finlas	E. Carberry, Alexandria	.....	.....	.....	5-90 20	6-34 17	3-06 8	3-56 7	4-47 14	2-51 10	11-80 24	7-69 22	11-16 23	6-60 17	15-50 26	9-33 21	87-92 209
Cochno Filters	.....	5	1 0	400	2-30 17	1-57 17	1-20 7	1-87 18	2-37 16	1-75 11	4-62 20	4-22 16	3-93 20	2-42 11	6-55 26	4-96 23	37-76 202
Cochno Loch	J. E. McWilliams, Superintendent	5	1 0	909	3-52	3-44	2-00	2-53	2-31	2-04	7-00	5-05	5-67	2-40	9-91	6-44	52-31
Jaw Reservoir	Do.	5	1 0	912	3-03	3-96	2-17	2-75	2-38	1-92	6-06	5-54	5-80	2-76	9-91	5-41	51-69
Greenside Reservoir	Do.	5	1 0	875	2-56	3-08	1-41	2-15	2-66	2-11	7-05	4-67	5-14	2-43	9-13	5-71	48-10
Mugdock Reservoir	Malcolm Ross, County Engineer	.....	.....	325	3-27	2-35	1-55	2-61	2-50	2-87	6-53	4-55	4-91	3-03	8-18	5-50	47-85
Mean Rainfall (Scotland)	Meteorological Reports	.....	.....	.....	1-41 13	1-28 14	0-81 6	1-89 16	2-08 13	1-58 12	4-53 23	2-72 18	3-80 17	2-20 15	4-94 21	4-02 20	81-26 188

Rivers Pollution.

Complaints regarding pollution were received in regards the River Bothlyn and the Cochno. In the case of the River Bothlyn the complaint was from the local angling club and it was found that a certain amount of coal germs and tar were present in the river. The attention of the persons concerned mitigated the pollution.

In the Cochno Burn there was a general complaint of "menace to health" but this could not be substantiated on inspection.

Offensive Trades.

No complaints were received.

OTHER MATTERS.

Meteorology.

Reference should be made to Table XIX on page 53.

HOUSING PROGRESS.

HOUSES COMPLETED DURING THE YEAR 1953				
<i>Site.</i>	<i>Tradi- tional.</i>	<i>Non- Traditional.</i>	<i>Agri- cultural.</i>	<i>Total.</i>
South Muirhead, Cumbernauld ...			Trad. 4	4
Castlecary ...			Trad. 4	4
Lochend, Kilmarnock Cardross ...			Trad. 4	4
Lomond Road, Balloch		Blackburn.. 18		18
		Whitson- Fairhurst 52		52
Dalmonach ...		Blackburn.. 88		88
Cumbernauld ...		Whitson- Fairhurst 24		
		Lawrence... 4		28
Tullichewan ...		Blackburn.. 28		28
Haldane ...		Orlit ... 98		98
Bendarroch ...		Orlit ... 16		16
Auchentoshan ...	10	Lawrence... 14		24
Milton ...	12			12
Bearsden ...		Lawrence... 12		12
Croy ...		Lawrence... 8		8
	<u>22</u>	<u>362</u>	<u>12</u>	<u>396</u>

HOUSING (SCOTLAND) ACT, 1950.

During the year 54 Representations were made affecting 82 houses under the Housing (Scotland) Act, 1950.

BONHILL.

Closing Order:

<i>Situation of Property.</i>	<i>No. of Houses.</i>	<i>Apartments—</i>						
		1	2	3	4	5	6	7
37 Random Street, Alexandria ...	1	1	—	—	—	—	—	—
38 Random Street, Alexandria ...	1	—	1	—	—	—	—	—
57 Main Street, Bonhill ...	1	—	1	—	—	—	—	—
250 Main Street, Bonhill ...	9	—	9	—	—	—	—	—
252 Main Street, Bonhill ...	1	—	1	—	—	—	—	—
373 Main Street, Bonhill ...	1	—	1	—	—	—	—	—
Hawthorn Cottages, Ballagan ...	1	—	1	—	—	—	—	—

Demolition Order:

28 Random Street, Alexandria ...	1	—	1	—	—	—	—	—
42 Random Street, Alexandria ...	2	—	1	1	—	—	—	—
40 Main Street, Alexandria ...	1	—	1	—	—	—	—	—
105 North Street, Alexandria ...	6	4	1	1	—	—	—	—
107 North Street, Alexandria ...	1	—	1	—	—	—	—	—
109 North Street, Alexandria ...	1	—	1	—	—	—	—	—
47 Hillbank Street, Bonhill ...	1	—	—	1	—	—	—	—
51 Hillbank Street, Bonhill ...	1	—	—	1	—	—	—	—
53 Hillbank Street, Bonhill ...	1	—	—	1	—	—	—	—
55 Hillbank Street, Bonhill ...	1	—	—	1	—	—	—	—
57 Hillbank Street, Bonhill ...	2	—	—	2	—	—	—	—
117 Hillbank Street, Bonhill ...	1	—	1	—	—	—	—	—
1 Knowehead, Dalvait Rd., Balloch	1	—	1	—	—	—	—	—
2 Knowehead, Dalvait Rd., Balloch	1	—	—	1	—	—	—	—
3 Knowehead, Dalvait Rd., Balloch	2	—	2	—	—	—	—	—

38	5	24	9	—	—	—	—
----	---	----	---	---	---	---	---

RENTON.

Closing Order:

<i>Situation of Property.</i>	<i>No. of Houses.</i>	<i>Apartments—</i>						
		1	2	3	4	5	6	7
7 Thimble Street, Renton ...	2	2	—	—	—	—	—	—
37 Thimble Street, Renton ...	1	—	1	—	—	—	—	—
39 Thimble Street, Renton ...	2	—	2	—	—	—	—	—
10 Stirling Street, Renton ...	1	—	1	—	—	—	—	—
8 Hall Street, Renton ...	2	2	—	—	—	—	—	—
12 Waterside Place, Renton ...	4	2	2	—	—	—	—	—
29 Main Street, Renton ...	1	—	1	—	—	—	—	—
107 Main Street, Renton ...	1	1	—	—	—	—	—	—
249 Main Street, Renton ...	1	—	1	—	—	—	—	—
<i>Demolition Order:</i>								
20 King Street, Renton ...	1	—	—	—	1	—	—	—
110 Back Street, Renton ...	1	—	1	—	—	—	—	—
	17	7	9	—	1	—	—	—

CARDROSS.

Demolition Order:

<i>Situation of Property.</i>	<i>No. of Houses.</i>	<i>Apartments—</i>						
		1	2	3	4	5	6	7
81 Hope Terrace, Cardross ...	1	—	—	1	—	—	—	—
	1	—	—	1	—	—	—	—

CLYNDER.

Closing Order:

<i>Situation of Property.</i>	<i>No. of Houses.</i>	<i>Apartments—</i>						
		1	2	3	4	5	6	7
Victoria Place, Clynder ...	1	—	—	1	—	—	—	—
	1	—	—	1	—	—	—	—

SHANDON.

Closing Order:

<i>Situation of Property.</i>	<i>No. of Houses.</i>	<i>Apartments—</i>						
		1	2	3	4	5	6	7
Woodbank Place, Shandon ...	1	—	1	—	—	—	—	—
	1	—	1	—	—	—	—	—

GARELOCHHEAD.

Closing Order:

<i>Situation of Property.</i>	<i>No. of Houses.</i>	<i>Apartments—</i>						
		1	2	3	4	5	6	7
Woodlea Place, Garelochhead ...	2	—	2	—	—	—	—	—
Euston Place, Garelochhead ...	2	—	1	1	—	—	—	—
<i>Demolition Order:</i>								
Hut, Hotel Grounds, Garelochhead	2	—	—	1	1	—	—	—
	6	—	3	2	1	—	—	—

ARROCHAR.

Closing Order:

<i>Situation of Property.</i>	<i>No. of Houses.</i>	<i>Apartments—</i>						
		1	2	3	4	5	6	7
Corriegrogan, Arrochar ...	1	—	1	—	—	—	—	—
	1	—	1	—	—	—	—	—

CUMBERNAULD.

Closing Order:

<i>Situation of Property.</i>	<i>No. of Houses.</i>	<i>Apartments—</i>						
		1	2	3	4	5	6	7
10 The Wynd, Cumbernauld ...	2	—	1	1	—	—	—	—
23 The Wynd, Cumbernauld ...	2	—	2	—	—	—	—	—
39 Main Street, Cumbernauld ...	1	—	—	1	—	—	—	—
69 Roadside, Cumbernauld ...	1	—	1	—	—	—	—	—
Masonic Place, Cumbernauld Station ...	2	—	1	1	—	—	—	—
1 Greenyards Cottages, Cumbernauld Station ...	1	—	1	—	—	—	—	—
2 Greenyards Cottages, Cumbernauld Station ...	1	—	1	—	—	—	—	—
5 Greenyards Cottages, Cumbernauld Station ...	1	—	1	—	—	—	—	—
6 Greenyards Cottages, Cumbernauld Station ...	1	—	1	—	—	—	—	—
7 Greenyards Cottages, Cumbernauld Station ...	1	—	1	—	—	—	—	—
	13	—	10	3	—	—	—	—

CONDORRAT.

Closing Order:

<i>Situation of Property.</i>	<i>No. of Houses.</i>	<i>Apartments—</i>						
		1	2	3	4	5	6	7
Main Road, Condorrat ...	1	—	1	—	—	—	—	—

Demolition Order:

Dalshannon, Condorrat ...	1	—	—	1	—	—	—	—
	2	—	1	1	—	—	—	—

KIRKINTILLOCH.

Closing Order:

<i>Situation of Property.</i>	<i>No. of Houses.</i>	<i>Apartments—</i>						
		1	2	3	4	5	6	7
Gartshore Siding, Kirkintilloch ...	1	—	1	—	—	—	—	—
	1	—	1	—	—	—	—	—

OLD KILPATRICK.

Closing Order:

<i>Situation of Property.</i>	<i>No. of Houses.</i>	<i>Apartments—</i>						
		1	2	3	4	5	6	7
336 Dumbarton Road, Old Kilpatrick ...	1	—	—	1	—	—	—	—
	1	—	—	1	—	—	—	—

TOTAL ALL AREAS ... 82 12 50 18 2 — — —

Determination Orders:

Demolition Orders were substituted for Closing Orders on nine houses situated at 4, 6, 8 and 10 Hill Street, and 40 Main Street, Alexandria.

TABLE XX.

PRESCRIBED PARTICULARS ON THE ADMINISTRATION OF THE FACTORIES ACT, 1937.

PART I OF THE ACT

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

Premises (1)	Number on Register (2)	Number of		
		Inspections (3)	Written notices (4)	Occupiers prosecuted (5)
(i) Factories in which Sections 1, 2, 3, 4 and 6 are to be enforced by Local Authorities	116	166	—	—
(ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority	143	219	—	—
(iii) Other Premises in which Section 7 is enforced by the Local Authority (excluding out-workers' premises)	30	61	—	—
Total	289	446	—	—

2.—CASES IN WHICH DEFECTS WERE FOUND—

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

Particulars (1)	Number of cases in which defects were found				Number of cases in which prosecutions were instituted (6)
	Found (2)	Remedied (3)	Referred		
			To H.M. Inspector (4)	By H.M. Inspector (5)	
Want of Cleanliness (S.1)	12	12	—	1	—
Overcrowding (S.2)	—	—	—	—	—
Unreasonable Temperature (S.3)	—	—	—	—	—
Inadequate Ventilation (S.4)	—	—	—	—	—
Ineffective Drainage of Floors (S.6)	—	—	—	—	—
Sanitary Conveniences (S.7)—					
(a) Insufficient	3	3	—	—	—
(b) Unsuitable or Defective	11	11	—	—	—
(c) Not Separate for Sexes	—	—	—	—	—
Other Offences against the Act (not including offences relating to Outwork)	—	—	—	—	—
Total	26	26	—	—	—

COUNTY COUNCIL OF HANTS & WILTS
SCHOOL MEDICAL STAFF

Medical Inspection of School Children

1953-1954

(Year ending 31st July, 1954)

COUNTY COUNCIL OF DUNBARTON.

SCHOOL MEDICAL STAFF.

Supervising School Medical Officer.

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

School Medical Officers.

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

CHARLES C. SLORACH, M.B., Ch.B., D.P.H. (part-time).

AGNES W. B. F. O'GORMAN, L.R.C.P., L.R.C.S.(Edin.),
L.R.F.P.S.(Glas.), D.P.H.

MARION H. C. CORNOCK, M.B., Ch.B., D.P.H.

Chief Dental Officer.

FELIX A. CASSIDY, L.D.S., D.D.S.(McGill).

Dental Surgeons.

ELIZABETH McKENDRICK, L.D.S. THOMAS HAMILTON, L.D.S.

Mrs. MARY W. DINN, L.D.S.

SHEILA S. SPEIRS, L.D.S.

DOROTHY EDWARD, L.D.S.

KENNETH DAVIS, L.D.S.

JAMES RODGERS, L.D.S.

JAMES H. FERGUSON, L.D.S.

HELEN M. GALE

(commenced 17/5/54).

Senior Dental Technician.

JOHN C. FRASER

(commenced 31/8/53, resigned 15/1/54).

JAMES FYFE

(commenced 17/5/54).

Ophthalmic Surgeon.

JAMES N. TENNENT, M.B., Ch.B., B.Sc., D.O.M.S., F.R.F.P.S.

Ear, Nose and Throat Specialist

J. FULTON CHRISTIE, M.B., Ch.B., F.R.F.P.S.

Anæsthetist.

A. FERGUS McINTYRE, M.B., Ch.B.

H. P. COOPER HARRISON, M.B., Ch.B. (part-time).

Superintendent Physiotherapist.

MORAG T. GALLOWAY.

Physiotherapists.

AGNES McF. MALCOLM.

JEAN S. A. HOWATT (part-time).

Mrs. MARGARET S. MACLAGAN.

GEORGE MARSHALL (part-time)

(commenced 29/3/54).

Superintendent of Nurses.

C. T. GAVIN.

Nursing Staff.

*M. GILMOUR.	E. M. RANKIN.
K. S. STEVENSON.	J. P. McHAFFIE.
Mrs. A. GEE.	E. CRAWFORD.
Mrs. M. W. CHRISTIE.	*A. TAYLOR.
A. C. JOHNSTON.	E. A. SANDILANDS.
C. S. L. KING.	M. M. MACDONALD.
M. CALLANDER.	Mrs. C. DEMPSEY.
M. G. MILLER.	Mrs. J. CAMERON
M. CALLAGHAN.	(resigned 2/3/54).
E. R. McLEITCHIE	A. McCANN
(commenced 29/3/54).	(commenced 31/5/54).
C. M. SCOBIE.	A. F. McLELLAN.
W. CAFFEL.	M. THOMSON (temp.)
Mrs. D. CALDWELL (temp.)	(commenced 7/9/53,
(commenced 14/9/53,	resigned 1/5/54).
resigned 1/5/54).	Mrs. M. CAMERON (temp.)
*J. P. SCOTT.	(commenced 2/11/53,
	resigned 1/5/54).

*Employed solely on School Medical Duties.

Audiometrician.

CHRISTINA P. ROGERS.

Orthopist.

WINNIFRED M. McALISTER.

Dental Attendants.

ANNIE J. RAE.	C. MACNAUGHTON.
Mrs. J. MASON.	J. HEMPHILL.
A. LANG.	M. McGOUGAN
J. S. LOCKHART.	(resigned 30/11/53).
Mrs. M. W. REID (part-time)	Mrs. J. B. TAIT (temp.)
(commenced 7/9/53).	(commenced 16/9/53,
M. CAMERON	resigned 19/1/54).
(commenced 6/1/54).	M. GARDNER
Mrs. M. SAMSON.	(commenced 3/5/54).

Clinic Attendant.

MARGARET C. BLACK.

Clerks.

WILLIAM B. GILLILAND.	ELIZABETH MacFARLANE.
ELIZABETH McLEAN.	ISABELLA ANDERSON
	(resigned 20/4/54).
MARGARET WEIR	
(commenced 29/4/54).	

REPORT

ON THE

MEDICAL INSPECTION AND TREATMENT OF SCHOOL CHILDREN IN THE COUNTY OF DUNBARTON.

I.—LIST OF STAFF.

(See pages 63 and 64.)

2.—(a) NUMBER OF SCHOOLS.

<i>School Management Area.</i>	<i>Number of Schools.</i>
Cumbernauld	4
Kirkintilloch	6
New Kilpatrick	5
Old Kilpatrick	15
Dumbarton	7
Vale of Leven	12
Helensburgh	10
	<hr/>
	59
	<hr/> <hr/>

(b) NUMBER OF CHILDREN ON REGISTER AND IN AVERAGE ATTENDANCES DURING SESSION 1953/54.

<i>School Management Area.</i>	<i>Average on Roll.</i>	<i>Average Attending.</i>	<i>Per Cent.</i>
Cumbernauld	916.6	838.3	91.5
Kirkintilloch	3,897.4	3,545.8	91.0
New Kilpatrick	2,233.4	2,018.4	90.4
Old Kilpatrick	9,251.0	8,211.4	88.8
Dumbarton	5,010.1	4,449.7	88.8
Vale of Leven	3,557.9	3,264.0	91.7
Helensburgh	1,995.8	1,791.4	89.8
	<hr/>		
TOTAL	26,862.2	24,119.0	90.3
	<hr/> <hr/>		

NUMBER OF VISITS FOR SYSTEMATIC EXAMINATIONS.

Note.—One whole day spent in school counts as two visits (morning and afternoon sessions).

Number of visits as above	490
----------------------------------	-----

NUMBER OF SPECIAL VISITS BY MEDICAL OFFICERS.

For re-examination of defective children	27
For re-examination of backward, mentally or physically defective children	80
Attendances at school clinics	336
Attendances for office work, etc.	71
For inquiry regarding infectious diseases (including scabies) ...	2
Diphtheria Immunisation	74
Others	160
	<hr/>
	750
	<hr/> <hr/>

SANITARY CONDITION OF SCHOOLS.

When the Property Visiting Committee made their annual inspection of School Buildings in the spring of 1953 for the purpose of compiling their budget of necessary expenditure for the financial year 1953/54, special attention was again paid to the cleanliness of the buildings. The schools and lavatories are being maintained in good condition and the Committee were satisfied with the manner in which the janitors and cleaners are carrying out their respective duties.

During the long summer vacation all defective or broken w.c. pans, washhand basins and drinking fountains are overhauled and replaced, and such work was done in the summer of 1953.

A considerable amount of painter work was again carried out, and the usual programme of limewashing and washing down of classrooms, etc., carried through.

ORGANISATION AND ADMINISTRATION.

For organisation and administration, etc., and co-operation with Public Health Departments, Sections A, B, C, D, E and F, see pages 9 to 15 of the Annual Report, 1948/49.

PARENTS PRESENT AT INSPECTION.

<i>School Management Area.</i>	<i>Number of Parents</i>		
	<i>Number of Children Examined.</i>	<i>Present at Routine Examinations.</i>	<i>Per Cent.</i>
Cumbernauld	278	144	51.8
Kirkintilloch	1123	527	46.9
New Kilpatrick	674	436	64.7
Old Kilpatrick	2648	1460	55.2
Dumbarton	1451	610	42.1
Vale of Leven	1027	605	58.9
Helensburgh	590	261	44.2
TOTAL ...	7791	4043	51.9

GENERAL REVIEW.

Routine inspection was carried out on 7791 children—an increase of 781 from last year's total.

The number of children examined non-routinely—*i.e.*, at clinics mainly—was 1903, an increase of 207.

PHYSICAL CONDITION.

The percentage of children found to be free from all defects on routine school examination was 51.1, as against the previous session's figure of 47.5. The percentages of children free from defects from the different age groups are as follows:—

Entrants	45.9
Second Age Group	51.6
Third Age Group	56.4
Fourth Age Group	61.2

In Table I the number of children who were found to be requiring treatment (excluding uncleanliness and dental caries), and whose parents were so advised, was 961—207 more than last session.

DEFECTS AND DISEASES.

Clothing.—During the session, 16 children were found to have unsatisfactory clothing.

Footgear.—Only 10 cases of unsatisfactory footgear were noted, a decrease of 4 from the previous session.

Uncleanliness.—The percentage of children found to be in a verminous condition of head and/or body shows an increase from last year, 6.8 per cent. as compared with 6.1 per cent. in 1952-53. 12.0 per cent. of girls examined were in this category—an increase of 1.0 per cent. in the year.

It should again be noted that the present legal position is such that the value of the supervisory services are minimised by the fact that the other members of the family cannot be examined or treated. To put an end to the whole question of verminous children in schools a return to a type of scheme that was in vogue during the war seems to be essential.

Skin Diseases.—Impetigo of the head was found in 16—an increase of 6 from last year's total. There were 3 cases noted of impetigo of the body.

Nutrition.—Five children were noted as suffering from bad nutrition. This is the same number as were noted last year.

In the special eye examination of the 1946 age group, 89.9 per cent. had normal vision.

23.5 per cent. of the children examined had unhealthy mouths and teeth.

SCHOOL DENTAL SERVICE.

ANNUAL REPORT, 1953/54.

The new clinics at Old Kilpatrick and Croy came into operation during the year and there has been a most enthusiastic demand for dental treatment in both areas.

An additional dental office took up duty towards the end of the session, bringing the staff up to ten assistant dental officers.

The ever-increasing requests from Expectant and Nursing Mothers and pre-school children for treatment has been a factor

in preventing greater progress towards our goal of an Annual Routine Inspection followed by treatment for the entire school population. Another factor has been the large number of children (3979) requesting treatment either for the relief of pain or conservative work or orthodontics. There were 2999 fillings inserted for this group of patients. The breakdown in the Annual Routine Dental Inspection in the schools following the introduction of the National Health Service Act is reflected in the large number of teeth which have to be extracted to-day.

Dental decay is not only more prevalent in the teeth of children than formerly, in addition it would appear that the rate of progress of decay is also much more rapid.

There were 1486 general anæsthetics administered, an increase of 318 over the previous year. Regular anæsthetic sessions were carried out at Kirkintilloch, Clydebank, Dumbarton, Bearsden and Helensburgh.

The dental officers are indebted to the Anæsthetists, Dr. Fergus McIntyre and Dr. Cooper Harrison for their tactful and successful handling of many apprehensive little patients during their first dental experience, thus creating a favourable approach to any future treatment.

There has been an increase in the number of children seeking treatment for fractured teeth, usually the upper front permanent teeth, associated with some degree of protrusion. Immediate treatment in most cases is essential and through the co-operation of parents and teachers many such teeth have been preserved. The loss of anterior permanent teeth in children is to be deplored, since when extraction is indicated an artificial substitute must be provided to prevent dental disharmony.

The Dental Laboratory within the Old Kilpatrick Clinic was opened in August. The volume of Prosthetic work for mothers has been sufficient to fully occupy the Dental Technician, Mr. Fyfe, in addition to which he undertook the construction of orthodontic appliances. Some 74 partial dentures were constructed for school children and 115 orthodontic appliances.

The partial dentures were mainly substitutes for missing front "permanent" teeth and the orthodontic appliances included prac-

tically every known pattern of Removable apparatus in modern use.

The portable x-ray machine was used in all areas and is of great value in clinical diagnosis, over 500 x-ray films were taken.

F. A. CASSIDY.

SPEECH THERAPY REPORT, 1953/54.

PROCEDURE.

The procedure is as laid out in Report for the year 1952/53.

SPECIAL SCHOOLS AND CLASSES.

SPECIAL SCHOOLS.

Milton Special School.

This school caters for mentally handicapped pupils from the Western portion of the County. There are four classes at Milton School with a total roll of 85. There is also an Occupational Centre in the school with 31 pupils on the roll.

SPECIAL CLASSES.

- (a) For mentally handicapped children—
Whitecrook School, Clydebank, with 19 on the roll (one class);
Lairdsland School, Kirkintilloch, with 14 on the roll (one class).
 Total number of pupils—33.
- (b) For physically handicapped children—
Hartfield School, Dumbarton, with 25 on the roll (one class).
- (c) For conservation of vision—
Whitecrook School, Clydebank, with 6 on the roll (one class);
Hartfield School, Dumbarton, with 12 on the roll (one class);
Lairdsland School, Kirkintilloch, with 4 on the roll (one class).
 Total number of pupils—22.
- (d) For deaf-mute children—
Hartfield School, Dumbarton, with 8 on the roll (one class).

INSTITUTIONS.

- | | | | | |
|--|-----|-----|-----|---|
| (1) Number of Physically Handicapped children in Institutions paid for by the County Council | ... | ... | ... | 9 |
| (2) Number of Mentally Handicapped children in Institutions paid for by the County Council | ... | ... | ... | 9 |

- (3) Number of Blind Persons in training under the Blind Persons Act, 1920 (cost of training borne by the County Council and maintenance by the Local Authority) ... Nil.

	<i>Systematic Examinations.</i>	<i>Special or Emergency Cases.</i>	<i>Total.</i>
(2) Found to require treatment...	3,979	3,970	7,949
(a) Accepting treatment ...	2,722	3,966	6,688
(3) Actually treated by School Dental Officers ...	2,836	3,912	6,748
(4) Attendances made by children for treatment ...	16,296	10,867	27,163
(5) Fillings—			
(a) Permanent Teeth ...	7,667	2,777	10,444
(b) Temporary Teeth ...	1,107	222	1,329
(6) Extractions—			
(a) Permanent Teeth ...	1,014	1,985	2,999
(b) Temporary Teeth ...	3,582	4,210	7,792
(7) Administrations of a general anæsthetic for extractions ...	568	918	1,486
(8) Other operations—			
(a) Permanent Teeth ...	4,016	3,075	7,091
(b) Temporary Teeth ...	298	497	795
(9) Half-days devoted to—			
(a) Inspection ...	73	—	73
(b) Treatment ...	2,178	997	3,175
(10) Children treated under private arrangements ...	No reliable information available.		

REMOVAL OF TONSILS AND/OR ADENOIDS.

During the year 720 children were operated on for the removal of tonsils and/or adenoids. Of these, 191 were pre-school children. There still remained at the end of the year 262 children awaiting examination.

An extra weekly session is being held in Whitecrook Clinic and it is hoped that this will greatly reduce the numbers on the waiting lists before the end of the next year.

MEDICAL INSPECTION OF SPECIAL SCHOOLS.

During the present session 237 children (113 boys and 124 girls) were examined. Of these, 209 were mentally defective and 26 physically defective. 19 children were classified as having slightly defective nutrition, while 6 had bad eyesight. Clothing and foot-gear were satisfactory in all but 6 cases and 56 children were found to have a verminous condition of the head and/or body, while 68 children were found to have unhealthy mouths. 73 parents were present at the medical examinations and notices were issued to all parents whose children were found to be suffering from a particular defect.

MILK IN SCHOOLS SCHEME.

The average number of pupils taking milk in Schools during session 1953/54 was 22,095 (approximately 83 per cent. of the roll).

ARRANGEMENTS FOR PHYSICAL EDUCATION AND PERSONAL HYGIENE IN SCHOOL.

Details of physical education arrangements are as contained in the Report for 1948/49.

ADMISSION OF CHILDREN TO APPROVED SCHOOLS.

During the year 18 children were committed by the Sheriff to the following institutions :—

Dalbeth Girls' School.

Dr. Guthrie's Girls' School, Edinburgh.

Dr. Guthrie's Boys' School, Edinburgh.

Kenmure St. Mary's Boys' School, Bishopbriggs, Glasgow.

Kibble School, Paisley.
 Oakbank School, Aberdeen.
 Snowdon Girls' School, Stirling.
 Springboig St. John's Boys' School, Shettleston, Glasgow.
 St. Joseph's Approved School, Tranent.
 St. Mungo's School, Mauchline.
 St. Ninian's Approved School, Gartmore, by Stirling.
 Thornly Park Approved School, Paisley.

ULTRA VIOLET LIGHT TREATMENT.

The following are details of the work done at Dumbarton, Clydebank, Kirkintilloch, Bearsden, Alexandria and Helensburgh Clinics during the year:—

Number of patients treated	...	...	...	226
Total number of attendances	...	...	...	3220
Average number of treatments	...	...	...	14

<i>Cause of Reference.</i>	<i>Number of Patients.</i>	<i>Number Improved.</i>	<i>Condition Unchangea.</i>
Bronchitis, etc.	104	81	23
Adenitis	2	2	—
Debility	102	77	25
Skin Conditions	1	1	—
Glands	21	18	3
Others	14	11	3
TOTALS	244	190	50

AVERAGE HEIGHTS AND WEIGHTS IN INCHES AND POUNDS

Total Number Examined at all Ages	BOYS															
	Entrants				Age 9			Age 13			Age 16					
	Number Examined	Average Age	Height (Inches)	Weight (Pounds)	Number Examined	Average Age	Height (Inches)	Weight (Pounds)	Number Examined	Average Age	Height (Inches)	Weight (Pounds)	Number Examined	Average Age	Height (Inches)	Weight (Pounds)
1953-54	1436	5 6	43.8	43.4	1372	9 6	52.1	64.2	1039	13 5	59.6	92.2	105	16 5	67.5	131.6
1952-53	1357	5 6	43.1	42.6	1192	9 7	52.0	63.3	923	13 5	59.2	91.2	72	16 4	67.0	133.1
1951-52	1397	5 5	43.3	42.8	1070	9 7	52.2	62.7	979	13 3	58.9	90.7	94	16 4	67.1	129.8
1950-51	1215	5 6	43.2	43.1	1088	9 5	50.6	57.8	1011	13 5	58.9	89.0	95	16 4	66.8	131.5
County Average— Years 1940-41 to 1949-50	11647	5 5	42.8	43.2	10608	8 11	50.0	57.3	10134	13 4	58.9	88.0	1017	16 4	66.9	127.0
County Average— Years 1930-31 to 1939-40	1495	6	42.6	41.8	11767	8 8	49.4	56.5	*7108	13 7	58.9	89.5	1163	16 4	65.6	124.1
County Average— Years 1919-20 to 1929-30	13238	5 7	42.1	41.2	11863	8 7	48.3	54.3	—	—	—	—	769	16 1	64.3	118.8

* Previous to the session 1930-31, the average age of the Third Age Group was 12 years. The number of children examined at the average age of 13 years is, therefore, comparatively small.

AVERAGE HEIGHTS AND WEIGHTS IN INCHES AND POUNDS—Continued

Total Number Examined at all Ages	GIRLS															
	Entrants				Age 9			Age 13			Age 16					
	Number Examined	Average Age	Height (Inches)	Weight (Pounds)	Number Examined	Average Age	Height (Inches)	Weight (Pounds)	Number Examined	Average Age	Height (Inches)	Weight (Pounds)				
1953-54	1370	Y. M. 5 7	44.2	42.3	1320	Y. M. 9 6	51.9	62.9	1041	Y. M. 13 5	59.9	97.3	108	Y. M. 16 4	63.6	119.8
1952-53	1282	5 6	42.8	41.2	1182	9 6	51.5	61.5	922	13 5	59.6	96.4	80	16	63.3	124.0
1951-52	1352	5 6	43.0	41.5	1098	9 7	51.6	60.6	1022	13 6	59.9	95.7	109	15 10	62.8	120.2
1950-51	1157	5 7	42.9	41.5	1052	9 6	51.1	59.6	1138	13 5	59.9	92.9	80	16 4	63.1	118.0
County Average— Years 1940-41 to 1949-50	11249	5 2	42.4	41.9	10287	8 11	49.4	55.6	9957	13 4	59.3	93.5	845	16 4	63.1	119.8
County Average— Years 1930-31 to 1939-40	12132	5 7	42.3	40.5	11645	8 8	49.0	54.8	*7123	13 5	59.5	94.8	887	16 4	62.8	116.7
County Average— Years 1919-20 to 1929-30	13019	5 8	41.7	39.7	11582	8 8	48.2	52.3	—	—	—	—	774	16 1	62.2	111.6

* Previous to the session 1930-31, the average age of the Third Age Group was 12 years. The number of children examined at the average age of 13 years is, therefore, comparatively small.

PREVIOUS ILLNESSES

	No. of Routine Cases Examined	Measles		Whooping Cough		Chicken Pox		Mumps		Scarlet Fever		Diphtheria		Smallpox		Rheumatism		Fits		Others	
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Infants	2806	1907	70.0	1044	37.2	975	34.7	581	20.7	177	6.4	4	0.2	-	-	2	0.1	1	-	937	33.4
Second Age-Group	2692	2366	96.1	1608	67.9	1495	63.7	1136	50.0	225	9.1	28	1.0	-	-	16	0.6	-	-	1226	53.7
Third Age-Group	2080	1854	89.1	1324	63.6	1142	54.9	954	45.8	250	12.0	98	4.7	-	-	13	0.6	-	-	980	47.1
Fourth Age-Group	213	193	90.6	138	64.8	137	64.8	110	51.6	37	17.4	14	6.6	-	-	5	2.3	-	-	94	44.1
TOTAL	7791	6310	81.0	4114	52.8	3749	48.1	2731	35.1	689	8.8	144	1.8	-	-	36	0.5	1	-	3237	41.6

VERMINOUS CODITIONS

The following table summarises on an area basis the number of children showing evidence of verminous conditions of the head, or body, or both.

School Management Area	No. of Routine Cases Examined			No. Showing Evidence of Vermin			Percentage		
	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
Cumbernauld	149	129	278	3	20	23	2.0	15.5	8.3
Kirkintilloch	576	547	1123	4	45	49	0.7	8.2	4.4
New Kilpatrick	345	329	674	—	1	1	—	0.3	0.2
Old Kilpatrick	1325	1323	2648	29	189	218	2.2	14.3	8.2
Dumbarton	735	716	1451	18	97	115	2.4	13.5	7.9
Vale of Leven	515	512	1027	13	71	84	2.5	13.9	8.2
Helensburgh	307	283	590	9	34	43	2.9	12.0	7.3
Total	3952	3839	7791	76	457	533	1.9	11.9	6.8

TABLE I.

TOTAL NUMBER OF CHILDREN EXAMINED.

	<i>Systematic Examinations.</i>	<i>Other Systematic Examinations.</i>
Entrants	2806	—
(a) At Ordinary Schools—		
Second age group	2692	—
Third age group	2080	1903
At Secondary Schools—		
Fourth age group	213	—
	—	—
TOTALS	<u>7791</u>	<u>1903</u>
(b) Other Examinations—		
Special Cases ... ..	...	57
Re-inspection by Medical Officer ... ..	...	93
	—	—
TOTAL ... ..	...	<u>150</u>

Number of individual children inspected at systematic examinations who were notified to parents as requiring treatment (excluding uncleanliness and Dental Caries):—

Entrants	252
Second age group	366
Third age group	303
Secondary age group	40
Other systematic examinations	—
	—
TOTAL	<u>961</u>

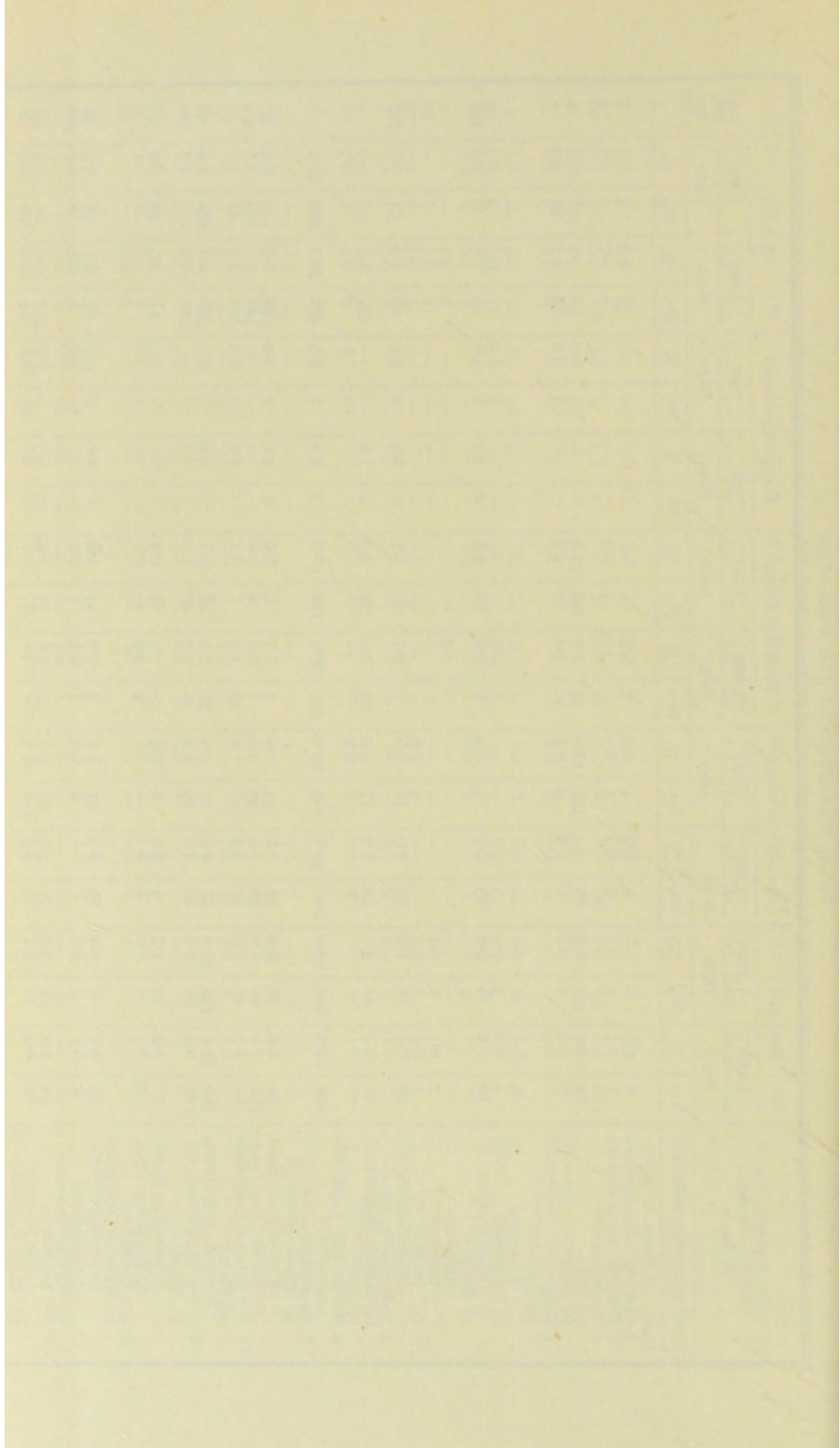


TABLE III.—SYSTEMATIC MEDICAL EXAMINATION

Classification	Entrants		Second Age-Group		Third Age-Group		Fourth Age-Group		Total	
	Number of Children	Percentage of the Children Examined in this Group	Number of Children	Percentage of the Children Examined in this Group	Number of Children	Percentage of the Children Examined in this Group	Number of Children	Percentage of the Children Examined in this Group	Number of Children	Percentage of the Children Examined at Systematic Medical Examinations
I.—Children free from Defects	1287	45.9	1388	51.6	1174	56.4	129	61.2	3978	51.1
II.—Children (otherwise free from defects) who suffer from—										
(a) Defective vision not worse than 6/12 in the better eye with or without glasses	19	0.7	149	5.5	183	8.8	27	12.8	380	4.9
(b) Conditions of the Mouth and Teeth requiring treatment	359	12.8	379	14.1	261	12.5	8	3.8	1007	12.9
(c) Both (a) and (b)	—	—	56	2.1	42	2.0	2	0.9	100	1.3
Total	378	13.5	584	21.6	486	23.3	37	17.5	1487	19.1
III.—Children suffering from Ailments (other than those mentioned in II) from which complete recovery is expected within a few weeks	1070	38.1	626	23.3	306	14.2	30	14.2	2032	26.1
IV.—Children suffering from (or suspected to be suffering from) defect less remediable than defects specified in II and III, distinguishing cases—										
(a) Where complete cure of restoration of function (in the case of eye defects full correction) is considered possible	63	2.2	82	3.1	97	4.7	14	6.6	256	3.3
(b) Where improvement only is considered possible, e.g., without complete restoration of function	8	0.3	12	0.4	17	0.8	1	0.5	38	0.5
Total	71	2.5	94	3.5	114	5.5	15	7.1	294	3.8
Total Number of Children Examined	2806	—	2692	—	2080	—	211	—	7791	—

TABLE II. PHYSICAL PROPERTIES OF POLYMER

Sample No.	Intrinsic Viscosity		Density		Molecular Weight
	$[\eta]$ (dl/g)	$[\eta]$ (ml/g)	d_4^{25} (g/cm ³)	d_4^{25} (g/cm ³)	
1	0.12	0.12	1.18	1.18	10000
2	0.15	0.15	1.19	1.19	12000
3	0.18	0.18	1.20	1.20	14000
4	0.21	0.21	1.21	1.21	16000
5	0.24	0.24	1.22	1.22	18000
6	0.27	0.27	1.23	1.23	20000
7	0.30	0.30	1.24	1.24	22000
8	0.33	0.33	1.25	1.25	24000
9	0.36	0.36	1.26	1.26	26000
10	0.39	0.39	1.27	1.27	28000
11	0.42	0.42	1.28	1.28	30000
12	0.45	0.45	1.29	1.29	32000
13	0.48	0.48	1.30	1.30	34000
14	0.51	0.51	1.31	1.31	36000
15	0.54	0.54	1.32	1.32	38000
16	0.57	0.57	1.33	1.33	40000
17	0.60	0.60	1.34	1.34	42000
18	0.63	0.63	1.35	1.35	44000
19	0.66	0.66	1.36	1.36	46000
20	0.69	0.69	1.37	1.37	48000
21	0.72	0.72	1.38	1.38	50000
22	0.75	0.75	1.39	1.39	52000
23	0.78	0.78	1.40	1.40	54000
24	0.81	0.81	1.41	1.41	56000
25	0.84	0.84	1.42	1.42	58000
26	0.87	0.87	1.43	1.43	60000
27	0.90	0.90	1.44	1.44	62000
28	0.93	0.93	1.45	1.45	64000
29	0.96	0.96	1.46	1.46	66000
30	0.99	0.99	1.47	1.47	68000

TABLE IV.—RETURN OF ALL EXCEPTIONAL CHILDREN OF SCHOOL AGE IN THIS AREA

Disability		At Ordinary School	At Special Schools or Classes	At No School or Institutions	Total
1.	Blind	—	1	—	1
2.	Partially Sighted— (a) Refractive errors in which the curriculum of an ordinary school would adversely affect the eye condition (b) Other conditions of the eye, e.g., cataract, ulceration, etc., which render the child unable to read ordinary school books or to see well enough to be taught in an ordinary school	—	11	—	11
3.	Deaf—Grade I Grade IIA Grade IIB Grade III	1 * 4 * 14 * 2	— — 2 1	1 — — —	2 4 16 3
4.	Defective Speech— (a) Defects of articulation requiring special educational measures (b) Stammering requiring special educational measures	† 48 † 6	25 2	— —	73 8
5.	Mentally Defective (Children between 5 and 16 years)— (a) Educable (I.Q. approx. 50-70) (b) Ineducable (I.Q. generally less than 50)	2 —	92 10	— 1	94 11
6.	Epilepsy— (a) Mild and occasional (b) Severe (suitable for care in a residential school)	2 —	2 —	— —	4 —
7.	Physically Defective (Children between 5 and 16 years)— (a) Non-pulmonary tuberculosis (excluding cervical glands) (b) General orthopaedic conditions (c) Organic heart disease (d) Other causes of ill-health	— 13 2 —	— 6 — 1	— 3 2 1	— 22 4 2
8.	Multiple Defects— (a) Mentally defective (educable) and epilepsy (mild) (b) Mentally defective (ineducable) and epilepsy (mild) (c) Mentally defective (educable) and partially sighted (refractive error) (d) Physically defective (other causes of ill-health and partially sighted (refractive errors))	— — — 1	3 3 1 —	3 — — —	6 3 1 1
Total		95	160	11	266

* Pupils examined at Routine Medical Inspection during the session.

† Children attending Speech Therapy Clinics during the session.

TABLE V.

DENTAL INSPECTION AND TREATMENT.

(1) Inspected by the Dental Officer—

<i>Age.</i>				<i>(a) Systematic Examinations.</i>	<i>(b) Special Emergency Cases.</i>	<i>Total.</i>
5	...	...	...	713	336	1049
6	...	...	...	252	420	672
7	...	...	...	950	434	1384
8	...	...	...	213	426	639
9	...	...	...	901	436	1337
10	...	...	...	247	436	683
11	...	...	...	498	400	898
12	...	...	...	505	347	852
13	...	...	...	406	275	681
14	...	...	...	322	321	643
15	...	...	...	162	94	256
15 +	...	...	...	39	54	93
TOTALS ...				... 5,208	3,979	9,187

THROAT, NOSE AND EAR CLINICS

	CLYDEBANK			KIRKINTILLOCH			DUMBARTON			TOTAL		
	School	Pre-School	Total	School	Pre-School	Total	School	Pre-School	Total	School	Pre-School	Total
Number of Children Examined	246	33 65*	344	104	25	129	364	138	502	714	261	975
Number of Children Operated On	267	32 69*	368	77	16	93	185	74	259	529	191	720
Attendances with Ambulance	—	—	—	77	16	93	185	74	259	262	90	352
Home Visits for After Care	—	—	—	77	16	93	370	148	518	447	164	611
Nature of Operation—												
Excision of Tonsils and Adenoids	—	—*	—	77	16	93	181	73	254	258	89	347
Excision of Tonsils Only	—	—	—	—	—	—	—	—	—	—	—	—
Excision of Adenoids Only	—	—	—	—	—	—	—	—	—	—	—	—
Others	—	—	—	—	—	—	—	—	—	—	—	—
Causation—												
Discharging Ears	14	—	14	—	—	—	—	—	—	—	—	—
Tonsils Much Enlarged	149	74	223	—	—	—	33	11	44	47	11	58
Deafness	23	12	35	5	—	5	140	50	190	289	124	413
Obstructed Breathing and Deafness	3	2	5	—	—	—	38	7	45	66	19	85
Obstructed Breathing	110	60	170	10	—	10	22	6	28	25	8	33
Rhinitis	100	48	148	4	—	4	124	42	166	244	102	346
Tonsillitis	117	67	184	8	—	8	32	12	44	136	60	196
Enlarged Glands	105	54	159	—	—	—	100	38	138	225	105	330
Bronchitis	53	33	86	—	—	—	146	53	199	251	107	358
Otorrhoea	—	—	—	—	—	—	51	10	61	104	43	147
Tonsils and Adenoids	169	72	241	9	—	9	—	—	—	9	—	9
Adenoids	1	—	1	3	—	3	—	—	—	169	72	241
Various	47	33	80	61	—	61	18	—	18	4	—	4
Results—												
Progress Definite and Rapid	—	—	—	—	—	—	86	30	116	86	30	116
Progress Retarded	—	—	—	—	—	—	—	—	—	—	—	—
Still Awaiting Examination	105	14 12*	131	—	—	—	95	36	131	200	62	262
Sent to Hospital	—	—	—	—	—	—	—	—	—	—	—	—
Died	—	—	—	—	—	—	—	—	—	—	—	—

* Clydebank Burgh Pre-school Children.

OPHTHALMIC TREATMENT OF SCHOOL CHILDREN (TABLE A)

	Dumbarton		Helensburgh		Kirkintilloch		New Kilpatrick		Old Kilpatrick		Vale of Leven	
	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls
Defective Vision Corrected with Spectacles	113	159	26	39	87	92	46	49	141	164	71	72
Defective Vision too Slight to benefit from Spectacles	29	50	8	10	32	31	13	26	17	27	22	28
Defected Vision Treated Otherwise	17	18	—	—	17	17	17	5	13	11	7	5
Total Number of Children Examined	159	227	34	49	136	140	76	80	171	202	100	105
Re-examinations	31	54	2	2	14	19	17	19	25	23	6	22

Total Number of Children Examined—1479.

Complications	SCHOOL MANAGEMENT AREA													
	Dumbarton		Helensburgh		Kirkintilloch		New Kilpatrick		Old Kilpatrick		Vale of Leven			
	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls		
Blepharitis	2	—	1	—	5	5	2	—	—	—	—	—		
Dacryocystitis	1	—	—	—	—	—	—	1	—	—	—	—		
Ptosis	—	—	—	—	—	—	—	1	—	—	—	—		
Strabismus Convergens	53	69	10	13	49	47	15	26	63	57	34	38		
Strabismus Divergens	—	4	—	—	2	1	6	2	—	3	—	2		
Conjunctivitis, Keratitis, Iritis	10	13	1	—	6	5	9	7	8	3	—	4		
Opacity of Cornea	1	—	—	—	1	4	2	—	4	3	—	1		
Opacity of Lens	—	1	—	—	—	—	—	—	1	—	—	—		
Dislocation of Lens	—	—	—	—	—	—	—	—	—	—	—	—		
Aphakia	1	1	—	—	—	—	—	—	1	1	2	—		
Synechia Anterior	—	—	—	—	—	—	—	—	—	—	—	—		
Synechia Posterior	—	—	—	—	—	—	—	—	—	—	1	—		
Coloboma Uveae	—	—	—	—	—	1	—	—	—	—	—	—		
Uveitis	—	1	—	—	—	1	—	—	—	—	—	1		
Choroido Retinitis	—	1	—	—	—	—	—	—	2	—	—	1		
Optic Atrophy	—	2	—	—	—	—	—	—	—	—	—	—		
Buphthalmos	—	—	—	—	—	—	—	—	—	—	—	1		
Microphthalmia	—	—	—	—	—	—	—	—	—	—	1	—		
Nystagmus	6	1	—	1	—	—	1	1	1	—	—	—		
Anophthalmos	—	1	—	—	—	—	—	—	—	—	—	—		
Albinism	—	2	—	—	—	—	—	—	—	—	—	—		
Aniridia	1	—	—	—	—	—	—	—	—	—	—	—		
Glioma Retinae	—	—	—	—	—	—	—	—	—	1	—	—		

1946 AGE GROUP—EYE EXAMINATIONS

Slight Visual Defect · 6·9-6·12

Marked Visual Defect · 6·18 or worse

(Snellen's Test at 6 Metres)

	BOYS		GIRLS		TOTAL	
	No.	%	No.	%	No.	%
Total Number of Children Examined	1283	—	1263	—	2546	—
Normal Vision	1143	89·1	1146	90·7	2289	89·9
Slight Defect (Both Eyes)	46	3·5	44	3·5	90	3·5
Marked Defect (Both Eyes)	16	1·2	3	0·2	19	0·7
Slight Defect (One Eye)	37	2·8	32	2·5	69	2·7
Marked Defect (One Eye)	18	1·4	13	1·0	31	1·2
Unreliable Results	23	1·8	25	2·0	48	1·8
Number of Children found Wearing Glasses	34	2·6	33	2·6	67	2·6
Strabismus	36	2·7	31	2·5	67	2·6
Blepharitis	3	0·1	1	0·1	4	0·1
Conjunctivitis	—	—	—	—	—	—
Corneal Ulcers or Opacities	—	—	—	—	—	—
Others	1	0·1	1	0·1	2	0·1

Note.—When a child has defective vision of slight defect and marked defect together, the defect has been classified according to the better eye grouping.

1946 AGE GROUP—EAR EXAMINATIONS

	Total Number of Children Examined	Normal Hearing		Defective Hearing				Otorrhoea	Otitis Media	Others
				Grade II		Grade III				
		No.	%	No.	%	No.	%			
Boys	1283	1279	99·7	4	0·3	—	—	1	1	4
Girls	1267	1263	99·7	4	0·3	—	—	4	—	5
Total	2550	2542	99·7	8	0·3	—	—	5	1	9

Grade II.—Children who can hear ordinary conversation voice between 20 feet and 2 feet.

Grade III.—Children who can hear ordinary conversation voice at not more than 2 feet, if at all.

ORTHOPTIC REPORT

(1st JULY, 1953—30th JUNE, 1954)

	Dumbarton	Kirkintilloch	Clydebank	Total
Number of Patients Referred—	66	56	70	192
Number of patients on treatment	45	28	46	119
Number of patients on observation	6	18	16	40
Unsuitable for treatment	1	2	1	5
Refused treatment	1	1	—	2
Treatment not required	7	5	3	15
Failed to attend examination	2	1	3	5
Referred for operation—				
After treatment	3	1	1	5
Before treatment	1	—	—	1
Total	66	56	70	192
Response to Treatment—				
Good	11	3	10	24
Improved	25	17	28	70
Failures	1	2	5	8
Ceased to attend	8	6	3	17
Total	45	28	46	119

TREATMENT OF MINOR AILMENTS

District	Total No. of Children dealt with	Total No. of Attendances	No. of Visits to Parents	No. of Visits to Schools	Cuts, Bruises, Sprains and Minor Injuries, etc.	Diseases of the Ear	Diseases of the Eye (excluding D.V.)	DISEASE OF THE SKIN						Cases referred to Family Doctor or Hospital
								Ringworm of the Scalp	X-ray Treatment	Other Treatment	Ringworm of the Body	Scabies	Impetigo		Other Diseases
Cumbernauld	405	584	8	80	341	29	7	4	—	—	—	20	24	4
Kirkintilloch	86	165	—	1	45	16	8	—	—	—	—	8	8	—
Twechar and Croy	916	2351	54	70	617	48	15	—	10	—	203	22	29	—
New Kilpatrick	—	—	27	—	—	—	—	—	—	—	—	—	—	—
Milngavie	406	475	5	38	337	20	22	—	—	—	27	2	10	—
Duntocher	319	554	26	39	245	25	6	—	2	—	26	18	4	—
Old Kilpatrick and Milton	206	189	8	29	43	18	10	56	—	10	14	55	7	—
Clydebank	416	714	36	3	43	55	5	11	3	72	9	347	—	—
Dumbarton	853	2337	26	114	178	90	79	—	—	—	6	274	217	7
Renton and Cardross	1873	1631	28	86	1779	16	29	—	—	—	7	12	30	21
Vale of Leven	118	134	8	18	35	37	—	1	—	5	—	1	9	1
Helensburgh	43	104	—	—	13	6	—	—	3	8	—	—	—	—
All Other Western Portions of the County	288	431	90	32	21	42	8	34	—	73	—	—	107	2
Total	5929	9669	316	510	3697	402	189	106	8	178	13	594	839	85

REPORT BY SCHOOL NURSES

District	No. of Children Examined for first Time	No. of Children Re-examined	Total No. of Children Examined	CAUSES OF REFERENCE						No. of Visits Paid to Schools	No. of Visits Paid to Homes
				Vermine on Head	Vermine on Body	Vermine Suspected	Unsatisfactory Clothing	Unsatisfactory Footwear	Others		
Cumbernauld	296	280	576	6	—	—	4	—	—	65	9
Kirkintilloch	2007	1061	3068	424	—	—	1	—	5	46	3
Twechar and Croy	488	801	1289	93	1	4	1	—	—	20	81
New Kilpatrick	232	18	250	—	—	—	2	—	216	9	7
Milngavie	131	1318	1449	4	—	—	6	3	6	62	89
Duntocher	171	621	792	73	—	7	12	—	8	32	44
Old Kilpatrick and Milton	364	412	776	66	4	7	18	12	—	30	17
Clydebank	2961	3146	6107	405	—	34	39	4	14	124	96
Dumbarton	2858	7394	10252	535	—	—	87	54	37	122	113
Renton and Cardross	816	1039	1855	139	—	—	1	—	—	24	31
Vale of Leven	2573	727	3300	185	—	—	1	—	1	51	37
Helensburgh	86	42	128	6	—	—	1	—	—	8	3
All Other Western Portions of the County	401	3533	3934	262	—	—	65	2	—	87	40
Total	13384	20392	33776	2198	5	52	238	75	287	680	570

RESULTS OF AUDIOMETRIC SURVEY

Age-Groups Children Examined	No. Listed	No. Tested	No. Normal Hearing	No. Showing Loss	Grade				Case Referred for					
					I	IIa	IIb	III	S.M.O.	E.N.T. Examination	Special Seating	Hearing Aid	Medical Treatment	No Action
1942	1060	1044	1040	4	2	2	—	—	4	2	2	—	2	—
1945	1251	1221	1217	4	1	1	2	—	3	2	3	1	3	1
1939	993	989	975	14	5	9	—	—	13	8	9	—	5	—
Children born outwith Age-Groups	96	93	79	14	4	6	1	10	10	6	6	7	4	1

ORTHOPAEDIC TREATMENT
DEFORMITY OR DISEASE

Clinic	Response to Treatment	Kyphosis		Lordosis		Kypho-Lordosis		Scoliosis		Chest		Foot Deformities		Paralysis Infantile Paralysis		Asthma		Bronchitis		Mouth Breathers		Rheumatism		Others		Total			
		Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls
Dumbarton	Treatment Completed	2	2	1	1	2	2	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	On Treatment	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Unsatisfactory due to— (a) Non-attendance (b) Non-co-operative	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Vale of Leven	Treatment Completed	3	5	2	2	3	3	1	1	6	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	On Treatment	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Unsatisfactory due to— (a) Non-attendance (b) Non-co-operative	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Hillfoot	Treatment Completed	2	2	1	1	2	2	1	1	10	2	12	13	26	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	On Treatment	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Unsatisfactory due to— (a) Non-attendance (b) Non-co-operative	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Kirkintilloch	Treatment Completed	9	8	1	1	2	2	1	1	7	2	9	6	17	23	1	1	1	1	1	1	1	1	1	1	1	1	1	
	On Treatment	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Unsatisfactory due to— (a) Non-attendance (b) Non-co-operative	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Glydebank	Treatment Completed	2	5	1	1	1	1	1	1	2	2	1	3	4	8	1	1	1	1	1	1	1	1	1	1	1	1	1	
	On Treatment	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Unsatisfactory due to— (a) Non-attendance (b) Non-co-operative	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Helensburgh	Treatment Completed	3	6	1	1	1	1	1	1	1	4	9	2	11	13	1	1	1	1	1	1	1	1	1	1	1	1	1	
	On Treatment	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Unsatisfactory due to— (a) Non-attendance (b) Non-co-operative	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Dumbarton Physically Handicapped	Treatment Completed	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	On Treatment	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Unsatisfactory due to— (a) Non-attendance (b) Non-co-operative	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Old Kilpatrick	Treatment Completed	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	On Treatment	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Unsatisfactory due to— (a) Non-attendance (b) Non-co-operative	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Croy (opened 30/3/54)	Treatment Completed	1	3	1	1	1	1	1	1	1	2	3	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	On Treatment	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Unsatisfactory due to— (a) Non-attendance (b) Non-co-operative	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Cumbernauld	Treatment Completed	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	On Treatment	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Unsatisfactory due to— (a) Non-attendance (b) Non-co-operative	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

(a) Non-attendance

(b) Non-co-operative

NUMBER OF TREATMENTS GIVEN

Clydebank	1965
Dumbarton (including Vale of Leven)	2679
Kirkintilloch	2850
Old Kilpatrick	171
Helensburgh	1710
Croy	1688
Dumbarton Physically Handicapped	296
Cumbernauld	223

SPEECH THERAPY
STATISTICS SUMMARY—1953-54

CLINIC or SCHOOL	No. on Roll	Left	Discharged		Transferred		Admitted	No. on Roll
			Cured	Non-Co-op	In	Out		
Bank Street	21	2	10	1	3	4	11	18
Bonhill	5	0	3	0	0	2	9	9
Cardross	6	3	3	0	2	1	6	7
Clyde Street	13	0	7	0	2	5	7	10
Clydebank High	5	0	7	0	1	1	7	5
Cumbernauld	13	0	6	0	0	0	3	10
Duntocher	12	0	4	0	0	1	11	18
Hartfield	25	1	18	2	9	9	20	24
Hermitage	6	1	4	1	1	0	6	7
Hillfoot	16	2	12	0	1	2	11	12
Holy Cross, Croy	7	0	5	0	0	2	5	5
Gavinburn	8	0	5	0	0	0	5	8
Kirkintilloch	19	0	13	1	1	1	12	17
Kilbowie	23	2	27	2	7	8	32	23
Knoxland	8	0	7	0	3	3	6	7
Jamestown	9	0	5	1	4	1	3	9
Lenzie Academy	4	0	5	0	0	0	4	3
Levenvale	11	1	5	0	1	5	8	9
Linnvale	0	0	11	0	11	2	25	23
Milton	21	11	12	2	9	1	6	10
Milngavie	19	0	13	2	2	1	12	17
Moss Cottage	26	0	26	4	6	2	28	28
Miller Street	15	1	8	0	2	3	6	11
Renton	12	1	7	0	1	3	8	10
St. Joseph's, Helensburgh	4	0	3	0	1	0	3	7
St. Ninian's	15	1	3	2	2	1	4	14
St. Stephen's	22	0	24	1	0	4	23	16
St. Eunan's	0	0	6	0	4	2	11	7
Twechar	13	1	10	0	1	1	6	8
Westerton	6	1	2	0	0	2	5	6
Whitecrook	47	1	22	1	10	17	32	48
Total	411	29	293	20	84	84	335	404

COUNTY COUNCIL OF DUNBARTON.

County Sanitary Inspector
(*Western Area*).

WILLIAM T. SAMSON.

Depute County Sanitary Inspector
(*Western Area*).

NEIL MACDONALD.

Assistant Sanitary Inspectors.

THOMAS MUNN.

ROBERT FORRESTER.

ROBERT MATHIE.

THOMAS MACDONALD.

ROBERT YOUNG.

Milk Officer.

AILSA PATTERSON (resigned 15/9/52).

MARIE MACKENZIE (commenced 1/10/52).

Housing Supervisor.

Mrs. A. STUART.

Clerical Staff.

CHRISTINE MCGREGOR.

EUNICE C. GORDON.

REPORT BY SANITARY INSPECTOR IN THE WESTERN AREA

HEALTH DEPARTMENT,
ALEXANDRIA.

LADIES AND GENTLEMEN,

In accordance with instruction laid down by the Department of Health, I have pleasure in submitting report for year ended 31st December, 1953.

GENERAL SANITATION.

WATER SUPPLY.

While a pure and plentiful supply is very necessary, I sometimes wonder if it is appreciated as it should, and if ratepayers realise the steps taken to make it safe.

Such a supply is of importance as a necessity to life and industry. Fortunately this area has had no cause for complaint as the requirements of all have been fully met.

During the year 23 samples were taken for Chemical and Bacteriological Analysis and 36 for Bacteriological Analysis only. Of these, 5 were highly satisfactory, 5 unsatisfactory, 12 suspicious and the remaining 37 were bacteriologically unsatisfactory.

Samples for Chemical and Bacteriological Analysis were taken from each of 11 Public Gravitation Supplies in the Area—one sample being taken of the unfiltered supply and one from a kitchen tap in each case. Chemical results were highly satisfactory, and Fluoride content was negligible, varying from 0.1 to 0.15 grains per million. The bacteriological results were, however, mainly in the unsatisfactory category although knowledge of the source led us to believe that there was no cause for worry.

During the year one additional connection was made to the extended Public Gravitation Supply in Kilmarnock Parish, to supply a dairy farm. This farm has, for a number of years, been without a satisfactory water supply, and a considerable improvement in dairy methods has been evident since the introduction of the Public Supply.

DRAINAGE.

A very considerable time of the Inspectors is taken up in the Housing Schemes throughout the area in the supervision of the layout and the testing of all drainage and plumbing installations.

Drainage systems found choked or requiring repair were, with one exception, made serviceable without the service of a Statutory Notice. That referred to in my last report was cleared during the year.

The introduction of a water supply and provision of modern convenience to the Luss Estates houses in Tarbet, also referred to in my last report, was agreed upon and the work was satisfactorily completed during the year.

Various new house drains were constructed during the year in outlying areas, and, where no main drainage system existed, these were connected to septic tanks with outfalls to streams, while a few drains not previously connected to main sewers in these areas were renewed and connected.

SEWAGE DISPOSAL.

During the year progress was made in the laying of new sewers to housing developments.

Sewage disposal for the Vale of Leven is piped to Dalmoak Works where crude sewage is dealt with by screening and detrition, the first screening taking place prior to sedimentation in detritus tanks and then to a final process of fine screening.

The resultant liquid is then pumped and piped to the River Leven. Sludge removed at each stage of the screening is transported to a refuse dump, though experiments are being

carried out to convert this sludge to an agricultural compost with, so far, very satisfactory results.

In the other Special Drainage District all drainage passes through septic tanks before discharge.

RIVERS POLLUTION.

During the year, following a report of suspected fish poisoning in the River Leven, 4 samples of water were taken.

The following is the analyst's reports on the same:—

	No. 1.	No. 2.	No. 3.	No. 4.
Dissolved oxygen, cubic centimetre per litre	6.04	1.91	6.94	6.43
Dissolved oxygen taken up in five days	0.79	9.6	0.19	0.15
Total dissolved oxygen	7.0	24.0	6.0	6.0
Suspended matter	Trace	4.8	Trace	Trace
Colour (Hazen Standard)	Slight Pink	Yellow	40	20
PH Value	6.9	5.2	9.0	7.7
Arsenic, Phenols, etc., parts per million	None	None	None	None
Cyanide, parts per million	0.025	None	None	None

Samples Nos. 1, 3 and 4 contain ample oxygen for the support of fish life. No. 2 does not, but it is an effluent and, although a polluting one, it is extremely unlikely that it could deoxygenate a stretch of a river like the Leven. Cyanide to the extent of 0.1 parts per million is toxic to fish, and, while No. 1 sample contains less than this, the significant feature in our view is that, at the time the sample was taken, it contains any measurable amount, however small.

No positive evidence could be obtained as to the source of this pollution.

Complaint was received during the year of oil pollution in the Gareloch and Loch Long area, the source of which at the time could not be found.

There was also received complaint of oil pollution on Loch Lomond, but after repeated inspections at various parts of the Loch no trace of such pollution could be found.

NUISANCES.

153 Intimations under Section 19 of the Public Health (Scotland) Act, 1897, were served on the authors of Nuisances within the area during the year.

Statutory Notices, under Section 20 of the Act, were served in respect of the flooding of the footpath in front of Milton Terrace, Jamestown, and the occupation of tents and caravans, in Bonhill Quarry, by vagrants. The drainage of the footpath was improved and the nuisance abated, and, in the case of the vagrants, their removal from the site was ordered by the Sheriff, following statutory proceedings having been instituted.

A defective drain discharging on to the foreshore at Clynder was repaired at the cost of the joint owners.

SCHOOLS.

All schools in the area were found on inspection throughout the year to be maintained in a satisfactory condition from a public health point of view.

BURIAL GROUNDS.

Burial grounds are maintained in a generally satisfactory condition, and those taken over by the Local District Committee for upkeep are showing a very marked improvement.

COMMON LODGING HOUSES.

There are no common lodging houses within the area.

SCAVENGING—1953.

VALE OF LEVEN AND RENTON DISTRICT.

Great changes have taken place in this service over the years since I came to the County. Thirty years ago ashpits

and privy pans were only too common, and the unsightly mess of ashpit contents being barrowed to the street during day-time was abhorrent to the eye. These conditions, I am pleased to say, are of the past, and only in very isolated parts of the area are they found. These are in process of elimination, the total number in the area being four.

The provision of suitable receptacles for the storage of household refuse is an essential part of the service and, while every effort is made by the Department to see that these are provided in sufficient numbers, delay in such provision in many instances has led to spillage and complaint by tenants and employees. I feel, however, that by a more careful use of the bin by the replacing of the cover lid would lead to a longer use of the bin. In too many instances is this cover unable to be found.

Transport used in the collection is the same as in last year's report, with this exception—one 50-cwt. Albion wagon was disposed of as being no longer serviceable, and one new 5-ton Shelvoke & Drewry vehicle was purchased at a cost of £1,620. collection varying from once per week to four times per week.

The total amount of refuse removed was approximately 4,090 loads within the Vale of Leven and Renton District, this was disposed of in Auchencarroch and Pillanflats Coups, for land reclamation, the former having during the year a soil covering of 1,500 tons.

During the year 20 litter bins were procured and attached to 'bus stops. These were obtained free and, provided a notice can be attached advertising a particular shop or article, 15s. per year is paid to the Council.

Snow removal and gritting of frost-bound road surfaces is generally undertaken by the staff of the Road Surveyor, and only to a slight extent during the early part of the year was this department called on to undertake part of this work.

One of the difficulties in running the department is in maintaining suitable personnel, as during the year the amount of time lost through sickness and other causes was approximately equal to 800 days.

GARELOCH SCAVENGING DISTRICT.

This area includes Gardross, Craigendoran, Rhu, Shandon, Garelochhead, Clynder and Rosneath, and Arrochar and Tarbet.

The collection is undertaken by three private contractors who are responsible also for the disposal of the refuse in the coups of their contract area.

During the year the District Council called for a report as to the cost of such work being undertaken by the Council under direct labour. This was submitted and after consideration it was agreed, in view of the heavier estimate as to cost, to continue the existing arrangement.

Refuse is removed once weekly from houses and twice weekly, if found necessary, from hotels and shops.

LIGHTING.

Work in connection with the installation of street lighting in the recently formed Rosneath and Clynder Special District was completed early in the year and the lighting has proved very satisfactory.

Four additional lamps were introduced in Gartocharn area and two in Croftamie area during the year. The erection of the 6 additional lamps previously approved in the Cardross area was completed early in the year and a marked improvement was evident.

At Bendarroch Housing Scheme, Garelochhead, 28 new lamps were introduced during the year.

At Haldane Housing Scheme, Balloch, lighting of the third development is in course of completion, and approximately 95 new lighting points have been added in this area. The 2 additional ornamental lamps recommended by the Ministry of Transport representative on Bonhill Bridge were erected in the year with noticeable improvement. The Trunk Road Lighting continues to give entire satisfaction.

A scheme for the conversion from gas to electric lighting of Route A 812 from Alexandria Fountain to the south end of

Renton has been prepared and should be in operation early in the year.

The undernoted shows the number of lamps in Special Districts within the area:—

<i>District</i>			<i>No. of Lighting Points.</i>	<i>Method of Lighting.</i>	
				<i>Gas.</i>	<i>Electricity.</i>
Vale of Leven	...	...	1,259	641	618
Cardross	...	...	54	—	54
Craigendoran	...	...	36	—	36
Rhu	...	...	29	—	29
Garelochhead	...	...	50	—	50
Arrochar and Tarbet	...	...	28	—	28
Luss	...	...	13	—	13
Gartocharn	...	...	17	—	17
Croftamie	...	...	12	—	12
Rosneath and Clynder	...	...	27	—	27

During the year claims to the value of £197 were lodged in respect of damage caused to lamp standards and fittings.

PUBLIC CONVENIENCES.

In my last report I commented on the wilful damage to public conveniences. I am sorry to say that I cannot report any great improvement and cannot look for such until the ratepayers, who have to pay the bills for the necessary repairs, are prepared to report cases of vandalism. It is disheartening to get letters from visitors complaining of the foul condition and damage. Following a request from ratepayers in the Clynder area, a site was suggested for the erection of a convenience, a similar request was made by Jamestown Labour Party for such provision in the Jamestown—Mill of Haldane area. Departmental approval for either of these has not yet been obtained, while that for the Ardlui area still awaits sanction.

Money collected during the year was £196 7s. 4d.

BURIALS.

One burial was undertaken under Section 50 of the National Assistance Act, 1948, during the year.

OFFENSIVE TRADES.

There are now no offensive trades operating in the area under Section 52 of the Public Health (Scotland) Act, 1897.

FACTORIES ACT, 1937.

During the year extensions to factories at the Industrial Estate were undertaken, one factory destroyed by fire was rebuilt and one new bakery was erected. In no instance was it found necessary to serve notice under the Act, all contraventions having been attended to without the necessity for such action. In accordance with the provision in Section 110, the home of an Outworker was inspected.

Table No. 1 shows the number and types of Factories within the area.

INCREASE OF RENT AND MORTGAGE INTEREST (RESTRICTION) ACTS.

Four applications for certificates were applied for and four were granted.

PREVENTION OF DAMAGE BY PESTS ACT, 1949.

Throughout the year regular inspections were carried out of known or likely harbourage of rats, such as refuse coups, ditches, etc., and all possible measures for extermination carried out where such was found. Fortunately there were no major infestations requiring attention.

Service is given free in the case of all dwelling houses, but in the case of industrial premises a charge is still being levied.

During the year 561 premises, including 173 farms, were surveyed of which 320 were found to be infested. In all of the above premises disinfection was carried out by the department.

Since the introduction of Warfarin Poisoning a very marked decrease in the rat population has been evident, and the number of complaints is considerably fewer. As a result it is generally found that regular quarterly inspections and disinfection where found necessary is sufficient to keep the rodents under control.

A number of the owners of premises who previously made private arrangements for disinfestation have now taken advantage of the service provided by the department and, generally speaking, entire satisfaction has been expressed.

It is surprising that in the case of Faslane Docks, where so many ships are broken up, that only one black rat has been found in the dock area. This was trapped during the year on the dock refuse dump.

The actual number of rats killed by trapping during the year was 456, and it is estimated that a further 3,000 were killed by poisoning.

TENTS, VANS, SHEDS AND HOUSEBOATS.

Probably owing to the exceptionally wet weather conditions prevailing during the summer, camping sites within the area were not nearly so well patronised during the year. Notifications of intention to camp for any period longer than three days is still being generally disregarded by the majority of campers, with the result that very few intimations are received by the department. Loch Lomondside was again the most generally favoured site and the strict supervision provided by Luss Estates employees continues to give entire satisfaction.

During the year, 327 structures of various types were inspected and found to be occupied by 903 persons.

EMERGENCY HOUSING.

MILITARY CAMPS.

In the seven Military Camps in use at the end of last year, occupants were re-housed and huts demolished as undernoted:

Bodylines Camp, Bonhill	4
Tullichewan Camp, Alexandria	30
Kilmalid Camp, Dumbarton	5
Camis Eskan Camp, Craigendoran	12
Blairvaddich Camp, Shandon	1
Bendarroch Camp, Garelochhead	3

The total population of occupied huts at the end of the year in the above Camps was 332 persons.

REQUISITIONED HOUSES.

The undernoted houses were de-requisitioned during the year, the tenants having been otherwise accommodated:

	<i>No. of Houses.</i>
Woodlea Place, Garelochhead	2
Dalmoak, Dumbarton	9
68 John Street, Alexandria	1
388 Main Street, Alexandria	1
Torwood, Renton	4
Fire Station Hut, Garelochhead	1
Cosey Cottage, Garelochhead	1
Inn Buildings, Whistlefield	3

HOUSING (SCOTLAND) ACTS, 1950/52.

IMPROVEMENT GRANTS.

Of 19 applications received during the year for Improvement Grant under the above Acts, 5 applications were refused and 1 continued.

In 10 cases work was completed and Certificate "B" issued, the remaining 3 were still to be completed at the end of the year.

The total amount involved in payment of Grant was £3,524 17s. 10d.

HOUSING OF SEASONAL WORKERS.

Seasonal Workers were again accommodated in various farms throughout the area during the year, for varying periods. Delay is still being experienced in notification by farmers prior to the arrival of the workers and, while the accommodation provided is generally satisfactory, the initial inspection of the premises is, in many instances, not carried out until after the workers are in occupation. In a few instances improvement, with benefit to the workers, could still be made in the accommodation provided. Nine farms employed 211 workers (111 male and 100 female) during the year.

FOOD SUPPLY.

MILK AND DAIRIES (SCOTLAND) ACT, 1914.

MILK AND DAIRIES (SCOTLAND) ORDER, 1938.

During the year, 7 registrations were withdrawn on the holders ceasing to produce milk, 6 registrations were granted, 2 of which were transfers. Alterations and improvements were completed at 7 farms where 4 new dairy sculleries were provided and 3 new byres were constructed. Short of reconstruction, some of the milk providing premises are not all that is desired, but are slowly and gradually being improved.

Table IV shows the number of registered and unregistered dairy premises, and the approximate number of cows within the area.

MILK (SPECIAL DESIGNATIONS) ACT, 1949.

MILK (SPECIAL DESIGNATIONS) ORDERS, 1936/51.

Four applications for Producers' T.T. Licences were granted, 2 of which were new applications, the remainder being transfers. Two Certified Licence holders and 1 T.T. Licence holder ceased production during the year, leaving a total of 90 Licensed Designated producers within the area, representing 81.08 per cent.

From Table V it will be noted that, of 434 samples taken, 103 did not comply with the Conditions of Licences and, while this is a slight improvement on the previous year's results, it is still far from satisfactory.

Very little objection can be taken to the dairy premises in general and it would appear therefore from these results that a lack of cleanliness in methods is still the main factor requiring attention. The withdrawal of Licences in one or two instances would no doubt be the surest way of rectifying the fault, but this has not so far been reverted to.

FOOD HYGIENE AND SAMPLING.

The introduction of the Ice Cream (Scotland) Regulations, 1948, and the subsequent improvement of premises wherein

ice cream is manufactured, to my mind has resulted in a much cleaner product being offered to the public. It is gratifying to note that, on inspection, these premises are kept in a satisfactory condition, and the days when ice cream was kept in open pails to cool after pasteurisation and prior to freezing have now disappeared. There is also a trend by fishmongers, particularly in the Burgh of Helensburgh, to introduce the covered glass window show-case, and I feel this commendable action could be furthered by other shopkeepers, particularly where unwrapped products are exposed for sale.

The lethargy towards food hygiene, which was more or less accepted, is now beginning to disappear and I am convinced that the public now regard the old custom of "the cat in the window" objectionable, and the day is approaching when a higher standard of exhibiting and serving foodstuffs will be demanded.

It is only reasonable that a customer has the right to expect a high standard of cleanliness from those persons employed in the manufacture, preparation and sale of articles of food, and that the premises wherein these articles are prepared, manufactured or sold should conform to satisfactory standards of structure and general cleanliness.

Much emphasis is placed on the production of clean milk, and I feel that it is equally important that this should apply to other foodstuffs, particularly those which are ready for consumption and which require no preparation or cooking, for example cooked meats, cakes, fruit, sweetmeats, etc. To assist in the hygienic distribution of foods, the time is now opportune for an increase in wrapped commodities where possible and, while it is a pleasant sight to see well stocked butchers' shops again, it would be much more pleasing to see the products in display cases.

During the year, the Department circularised all shopkeepers requesting them to display notices printed and provided requesting purchasers to refrain from taking dogs into food shops. This was generally welcomed by the shopkeepers, who, while resenting the presence of dogs in their premises,

were in the position that to complain would have reflected on their custom.

In the course of Food Sampling, the general standard of the shop can be assessed, and I am pleased to state that this appears reasonably high. The regulations concerning "Labelling and Marking" are generally now all well observed and proprietary foods from reputable firms have always been in accordance with Food Standards and Regulations.

FOOD AND DRUGS (ADULTERATION) ACT, 1928.

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

During the year the undernoted samples were purchased for analysis:—

Sweet Milk	...	...	21	Brandy	...	...	...	1
Gales Honey	...	...	1	Fish Cakes	...	...	...	1
Sausages	...	...	9	Blackcurrant Juice	...	...	...	1
Whisky	...	...	6	Oatmeal	...	...	...	1
Sugar	...	...	3	Mineral Waters	...	...	...	1
Tea	...	...	3	Lemonade Powder	...	...	...	1
Mince	...	...	3	Butter	...	...	...	1
Flour	...	...	2	Non-Brewed Condiment	...	...	...	1
Lemon Curd	...	...	2	Worcestershire Sauce	...	...	...	1
Baking Soda	...	...	2	Creamola Foam	...	...	...	1
Boric Acid	...	...	1	Green Peas	...	...	...	1
Lemon Essence	...	...	1	Custard Powder	...	...	...	1
Gregory's Powder	...	...	1	Tea Cake Mixture	...	...	...	1
Essence of Coffee Chicory	...	...	1	Orangeade	...	...	...	1
Salad Cream	...	...	1	Piccalilli	...	...	...	1
Cooking Fat	...	...	1	Liquorice Powder	...	...	...	1
Sandwich Spread	...	...	1	Tapioca	...	...	...	1

Of the 76 samples taken, 10 were test and 66 official samples. Two official samples and one test sample were found to be non-genuine. In the case of the official samples, legal proceed-

ings were instituted, one offender being admonished. Proof in the other case is still pending, having been continued for various periods due to the indisposition of the accused's agent. The non-genuine test sample was one of brandy, taken at the request of a local Licencee.

ICE CREAM (SCOTLAND) REGULATIONS, 1948.

There are 27 shops, 3 factories and 7 vehicles in the area registered under the above Regulations. The premises are generally used also for the sale of confectionery, etc., and the ice cream sales are mostly seasonal, manufacture generally being only at the week-end during the winter and autumn months. Retailers within the area know what is required in regard to the construction and equipment of the retail vehicles, and only in one instance could objection be taken to one vehicle, which was hired and came from outwith the area.

All samples taken were genuine, and 14 taken for bacteriological analysis again showed a satisfactory high standard of purity, as undernoted:—

In 1 sample(s)	...	...	...	...	...	<i>No. of Bacteria per Millilitre.</i>
In 1 sample(s)	...	...	...	...	...	100
„ 2 „	...	...	...	...	...	300
„ 1 „	...	...	...	...	...	400
„ 1 „	...	...	...	...	...	500
„ 1 „	...	...	...	...	...	2,000
„ 1 „	...	...	...	...	...	2,500
„ 2 „	...	...	...	...	...	3,400
„ 1 „	...	...	...	...	...	10,800
„ 1 „	...	...	...	...	...	18,600
„ 1 „	...	...	...	...	...	21,000
„ 1 „	...	...	...	...	...	25,000
„ 1 „	...	...	...	...	...	41,000

The standard suggested by the Department of Health is 100,000 organisms per millilitre.

Only one of the samples showed the presence of coliform bacilli in two tubes.

Table No. V shows the number of new licences, under the above Regulations, granted during the year.

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

Renewals of Slaughterhouse Licences were granted to the Vale of Leven Co-operative Society, Ltd., in respect of premises at Bank Street, Alexandria, and to Mr. James S. Gray, Euston Place, Garelochhead, in respect of premises at that address.

No slaughtering took place at either of these premises during the year.

No applications for Licence to Slaughter, under the Slaughter of Animals (Scotland) Act, 1927, were received.

49 Certificates were issued under the Public Health (Scotland) Act, 1897, in respect of articles of food found on examination to be unsound and unfit for human consumption. The total weight of the articles was 180 lb. The articles seized were mainly tinned foodstuffs, and included meats, gammons, milk, fruit, vegetables and soups, and were usually passed as swill for pig feeding.

PRIVATE STREETS AND FOOTPATHS.

Notices under Section 39 of the Public Health (Scotland) Act, 1897, involving several owners of properties abutting on Milton Loan, Jamestown, were served by the County Council, and, after negotiation between the County Surveyor and the owners concerned, the work was finally completed by the Roads Department.

Other works, pending from the previous year, were also completed by the Roads Department, with evident improvement.

FERTILISERS AND FEEDING STUFFS ACT, 1926.

One sample of Ground Limestone was taken under the above Act on request by the purchaser. The Carbonate of Lime content was 0.5 per cent. above guarantee, but the degree of fineness was 15.5 per cent. below guarantee, and outwith the limits of variation laid down in the Act, thereby being to the prejudice of the purchaser.

SHOPS ACT, 1912/1950.

YOUNG PERSONS EMPLOYMENT ACT, 1938.

Table No. VI shows the number of shops and nature of business carried on in the area. In the case of the small shops where a mixed trade is carried on, warning had again to be given in a few cases regarding the observation of closing hours, but no legal action was taken against offenders.

The provisions of the Young Persons Employment Act are generally well observed, and no complaints have been intimated, or noted, during the year.

HOUSING.

Much still remains to be done to eliminate overcrowding and to provide better housing. Such housing as has been provided is, by reason of the modern standard of arrangement and equipment, the gratification of those who have been fortunate to obtain occupancy, the hope of those still on the waiting list and the dream of those living in sub-let rooms or desirous of getting married, whose search for suitable housing has been in vain. So far, no special allocation has been made to meet the needs of the latter who are not only faced with the heavy cost of furnishing a house but who have at times an exorbitant charge to meet for sub-let accommodation.

Under the Housing (Scotland) Act, 1950, grants are available for the reconditioning of property, provided such property has a continuing life of 30 years and that the property, when reconditioned, conforms to modern standards. Elsewhere in

this report is shown the number of such houses so reconditioned.

During the year, 34 houses were made the subject of Closing Orders, and 23 of Demolition Orders. Demolition Orders in respect of 4 other houses were continued, and 5 Closing Orders previously made were determined. The total number of persons rehoused by Closing or Demolition Orders was 208, coming from 11 one-apartment, 42 two-apartment, 11 three-apartment and 2 four-apartment houses. In addition, 219 three-apartment and 39 two-apartment and 24 one-apartment houses were decrowded.

At the end of the year the number of applicants for houses in the area was 901. This figure, if accepted, would in building detail require 210 two-apartment houses, 657 three-apartment houses, 26 four-apartment houses and 8 five-apartment houses.

I have the honour to be,

Ladies and Gentlemen,

Your obedient servant,

WILLIAM T. SAMSON.

TABLE II.—PLANS OF BUILDINGS—WESTERN AREA.

PARISHES.	New Houses.			Alterations.				No. of Houses.					
	Bungalows, &c.	Cottages.	Flats and Terraced Houses.	Bungalows, &c.	Cottages.	Flats and Terraced Houses.	Total.	2 Apartments.	3 Apartments.	4 Apartments.	5 Apartments.	6 Apartments & over.	Total.
Arrochar, -	...	...	...	1	...	...	1	...	1	...	...	...	1
Ronhill, -	1	...	2	6	11	...	22	...	160	113	5	2	280
Cardross, -	1	1	2	5	1	...	9	...	12	8	...	2	22
Dumbarton, -	...	...	...	2	...	...	2	...	2	...	...	...	2
Kilmarnock, -	2	...	...	2	...	...	2	...	...	3	...	1	4
Luss, -	...	...	...	...	...	1	1	...	...	1	...	...	1
Rosneath, -	1	...	...	...	...	...	...	4	17	17	1	...	39
Rhu, -	...	1	4	5	...	1	8	...	3	1	...	1	5
Total, -	5	2	8	10	21	14	45	4	195	143	6	6	354

Plans were also submitted for 74 garages, 6 shops, 1 factory, 3 porches, 5 petrol stations, 13 sheds, 3 green-houses, 2 piggeries, 1 dairy scullery, 2 byres, 1 electricity sub-station, 2 workshops, 4 schools, 1 office, and 33 other buildings.

TABLE III.—NUMBER OF REGISTERED COWSHEDS, &c.

Parishes.	Registered Dairy Farms.	Exempted Dairy Premises.	Approx. No. Cows.	Producers Not Selling by Retail.	Milkshops	Trading Vans.
Bonhill, - - -	16	3	413	13	10	7
Kilmarnock, - - -	41	5	886	40	—	2
Luss, - - -	7	8	160	5	—	2
Cardross, - - -	23	3	532	20	5	3
Rhu, - - -	6	5	136	5	2	3
Rosneath, - - -	13	—	112	6	—	7
Dumbarton - - -	3	2	86	—	—	1
Arrochar - - -	—	8	25	—	—	1
Burgh of Helensburgh,	2	—	54	1	5	4
Burgh of Cove and Kilcreggan, - - -	—	—	—	—	—	—
Totals, - - -	111	34	2404	90	22	30

TABLE IV.—NUMBER OF DESIGNATED MILKS AND RESULTS OF SAMPLES TAKEN

Designations	No. of Licences	Samples Taken	Not Complying in respect of			Deficient in Butter Fat	Total Not Complying
			Bacterial Count	B. Coliform	Bacterial Count and B. Coli		
Certified ...	6	36	3	3	8	—	14
Tuberculin Tested	84	398	34	19	36	—	89
Standard	—	—	—	—	—	—	—
Pasteurised	—	—	—	—	—	—	—
TOTALS ...	90	434	37	22	44	—	103

SCHOOL MILKS

No. of Samples Taken	Not Complying in respect of			Deficient in Butter Fat	Total not Complying
	Bacterial Count	B. Coli	Bacterial Count and B. Coli		
28	5	1	1	—	7

ORDINARY MILKS

Result of Methylene Blue Reductase Test.			
No. of Samples Taken	Satisfactory	Non-Satisfactory	Total
57	15	42	57

TABLE V.—ICE CREAM (SCOTLAND) REGULATIONS, 1948.

Parish	Applications	Continued from Previous Year	Registrations.						Vehicles.	Continued.
			Manufacture.		Sale.		Storage.			
			Granted.	Refused.	Granted.	Refused.	Granted.	Refused.		
Bonhill, - - -	2	-	-	-	1	-	1	-	1	-
Cardross, - - -	-	-	-	-	-	-	-	-	-	-
Rhu, - - -	-	-	-	-	-	-	-	-	-	-
Rosneath, - - -	-	-	-	-	-	-	-	-	-	-
Arrochar, - - -	-	-	-	-	-	-	-	-	-	-
Cove & Kilcreggan, - - -	-	-	-	-	-	-	-	-	-	-
Helensburgh, - - -	1	-	1	-	1	-	-	-	-	-
Totals, - - -	3	-	1	-	2	-	2	-	1	-

SHOPS ACTS, 1912-1938.

TABLE VI.—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.	Newsgents and Stationers.	Shoemakers.	Tea Rooms and Restaurants.	Tobacconists.	Watchmakers and Jewellers.	Miscellaneous.	TOTAL.
Arrochar, .	1	1	—	—	—	1	—	—	—	—	1	—	2	—	1	1	—	—	3	—	—	—	11
Bonhill, .	14	12	4	5	2	8	6	15	9	3	8	2	16	6	7	6	12	6	12	2	1	67	225
Cardross, .	7	7	1	1	—	18	5	5	4	2	7	1	13	2	2	3	6	2	1	—	1	8	96
Dumbarton, .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Kilmarnock, .	—	—	—	—	—	—	—	—	—	—	—	—	3	—	—	—	—	—	—	—	—	—	3
Luss, .	—	—	—	—	—	1	—	—	—	—	—	—	1	—	—	—	—	—	2	—	—	—	4
Rhu, .	3	1	—	—	1	5	1	1	—	—	2	—	4	—	1	2	3	—	6	—	—	—	30
Rosneath, .	1	1	—	—	—	2	—	—	—	—	—	—	3	1	—	—	1	—	—	—	—	—	9
Totals, .	26	22	5	6	3	35	12	21	13	5	18	3	42	9	11	12	22	8	24	2	2	75	378

COUNTY COUNCIL OF DUNBARTON.

County Sanitary Inspector
(Eastern Area).

J. D. McKENDRICK.

Depute County Sanitary Inspector
(Eastern Area).

WILLIAM ARTHUR.

Assistant Sanitary Inspectors.

JOHN DUNN.

JOSEPH C. MORTON.

JAMES G. WATSON.

JAMES A. RODGETT.

Milk Officer.

FLORA D. CALDER.

Housing Supervisor.

MARGARET BLACK.

Administrative Assistant.

JOSEPH BAIRD.

Clerical Staff.

HAZEL E. GILCHRIST.

IRENE F. P. WILSON.

MAIRI C. GRAHAM.

**REPORT BY SANITARY INSPECTOR IN THE
EASTERN AREA.**

24 GEORGE SQUARE,
GLASGOW, C.2.

LADIES AND GENTLEMEN,

As directed by the Department of Health and in accordance with Section 87 of the Local Government (Scotland) Act, 1947, I submit for your consideration Annual Report for the year 1953.

WATER SUPPLY.

The purity of Domestic Water supply is of prime importance and has a direct bearing on the health of the community. During the year, five samples of water were taken and submitted to the Analyst for chemical analysis and bacteriological examination; four of the above-mentioned samples were routine samples from Public Water supplies, the fifth being from a spring supplying some hutments. In one instance, complaint was made regarding the presence of water "shrimps" in a Public Water supply, and intimation to the authority concerned led to the scouring of water mains and the elimination of the complaint.

There has been no recurrence of complaints from the Twechar area regarding poor water pressure and Lanarkshire Water Authorities may have overcome this obstacle.

Samples collected are detailed as under:—

	<i>From.</i>	<i>Source.</i>
1 E.	Tap at Cumbernauld Police Station	Lanarkshire Gravitation.
2 E.	Spring at Lenziemill, Cumbernauld	Spring — piped across River Luggie.

	<i>From.</i>	<i>Source.</i>
3 E.	Tap in Brannan's House, Footbridge, Waterside ...	Kirkintilloch Gravitation.
4 E.	Tap at Cumbernauld Police Station	Lanarkshire Gravitation.
5 E.	Tap in Brannan's House, Footbridge, Waterside ...	Kirkintilloch Gravitation.

DRAINAGE SYSTEMS—EFFICIENCY.

Within the Eastern Special Drainage District, the completion of the Cumbernauld South Drainage scheme necessitated the service of notices on all owners of property within the area, intimating that existing drainage systems at their properties be connected to the new sewer. Some difficulty was experienced in one or two instances, where connection to the sewer required entry to land under cultivation; this will be overcome when the crops have been uplifted.

Within the above district and including a portion of the Western Drainage District, drainage systems are efficient, well maintained and supervised.

SEWAGE PURIFICATION AND DISPOSAL.

During the year all Sewage Purification works in the area were regularly inspected and found to be well maintained. Six samples of effluent were taken to ascertain the efficiency of purification plant installed. The results conform in all instances to the recommendations of the Royal Commission on Sewage Purification.

Due to the failure of a contractor to continue at the new Drainage Scheme contract at Twechar, the work is delayed pending a new contractor being appointed.

The proposed Sewage Disposal scheme for Castlecary is still in abeyance, and it is hoped the Department of Health will sanction this scheme in the near future.

RIVERS POLLUTION.

During the year complaints were received from the Kirkin-

tilloch Angling Association regarding the pollution of the River Luggie, the source of pollution being the Bothlyn Burn and other tributaries upstream from Waterside.

Investigation disclosed that there existed serious pollution of the Luggie via the Bothlyn from industrial sources situated outwith the County. Additional pollution was traced via the Auchenkiln Burn arising from effluent discharged from piggeries and septic tanks serving small holdings in the area.

Nineteen samples of water were collected and submitted to the Analyst for chemical analysis. The result of analysis discloses that a major problem exists in this instance which will require to be dealt with under the Rivers (Prevention of Pollution) (Scotland) Act, 1951, which up to this time has failed to function due chiefly to the non-formation of the respective Boards.

MILK.

Under the Milk and Dairies (Scotland) Act, 1914, the following premises are registered:—

<i>Parish.</i>	<i>Producers.</i>				<i>Dealers.</i>			<i>Total Rgd.</i>
	<i>W.</i>	<i>W.R.</i>	<i>R.</i>	<i>Total.</i>	<i>Shops.</i>	<i>Vans.</i>	<i>Total.</i>	
East Kilpatrick.	7	6	—	13	9	13	22	
West Kilpatrick	3	4	—	7	10	16	26	
Cumbernauld...	16	17	6	39	2	7	9	
Kirkintilloch ...	12	9	3	24	11	13	24	
TOTALS ...	38	36	9	83	32	49	81	

W.—Wholesale; *W.R.*—Wholesale and Retail; *R.*—Retail only.

During the year eight registrations were granted in respect of premises.

Under the Milk (Special Designations) Orders (Scotland) 1936-44, Licences were issued in respect of the undernoted:—

<i>Producers.</i>				<i>Dealers.</i>			
Certified	...	...	2	Certified	...	...	—
Tuberculin Tested		...	3	Tuberculin Tested		...	2
Pasteurised	...	...	—	Pasteurised	...	...	1

Table I contains a record of samples collected during the year 1953.

PASTEURISATION.

To determine the efficiency of pasteurisation of milk a total of 73 samples were taken during the year. Five of the samples taken, being 6.84 per cent. of the total, failed to pass the phosphates test. Repeat samples were taken in every instance and proved satisfactory.

Milk supplied to schools was sampled on 28 occasions, and, following bacteriological examination, 3, or 10.7 per cent., of the samples were unsatisfactory. Repeat samples taken proved satisfactory.

Two samples of milk collected to determine the presence or absence of tubercle bacilli fortunately proved negative. Four samples of milk taken at undesignated premises were up to standard.

Only two complaints were received during the year from the general public. In both instances the use of dirty bottles was the cause of complaint. Investigation disclosed that the source of milk supply in both instances was similar, and that the soiling of bottles was due to careless handling and storage prior to filling bottles. This matter was quickly rectified.

With reference to the registration of premises revoked under the Milk and Dairies (Scotland) Act, 1914, and in accordance with Section 7, sub-section 6 (a) and (b) of the Act, an appeal was made by the pursuer against the revocation. The appeal was heard in Dumbarton Sheriff Court and after lengthy evidence had been led the Sheriff-Substitute found in favour of the County Council, upholding the revocation of this registration and agreeing that the pursuer was a person unsuitable to carry on the trade or business of dairyman.

A further appeal has been lodged by the pursuer to the Sheriff Principal against the foregoing decision. This appeal will be heard in the ensuing year.

ICE CREAM (SCOTLAND) REGULATIONS, 1948.

Premises registered for the manufacture and/or sale of ice cream number 27, as noted hereunder:—

<i>Area.</i>	<i>Manf., Sale and Storage.</i>	<i>Sale and Storage.</i>	<i>Total Regd.</i>	<i>Vehicles Regd.</i>
Cumbernauld ...	1	1	2	—
Kirkintilloch ...	—	—	—	—
East Kilpatrick ...	1	1	2	—
West Kilpatrick ...	3	1	4	2
Burgh of Kirkintilloch ...	6	3	9	5
Burgh of Milngavie ...	3	—	3	—
TOTALS ...	14	6	20	7

The number of samples collected during the year totalled 57, 47 of which were bacteriologically examined. Five, or 10.6 per cent., failed to comply with the requisite standard.

Immediate action was taken to ascertain the source of the contamination and, after remedial measures had been taken, repeat samples proved satisfactory on bacteriological examination.

Premises, generally, continue to be maintained in an approved manner and production methods carefully supervised. During the year, 60 visits of inspection were made to premises, vans, etc.

MEAT.

Renewal licences to slaughter animals and to slaughter or stun swine were issued in favour of James McLaren, Main Street, Cumbernauld; William B. McLaren, Westerwood Farm, Cumbernauld, and James Paul, Main Street, Cumber-

nauld, in accordance with the Slaughter of Animals Act, 1928, and the Byelaws of the Local Authority.

The inspection, condemnation, seizure and disposal of tinned imported canned meat, unfit for human consumption by reason of "blown" or rusty tins, accounted for 3 cwts. 40 lb. in weight.

Other assorted foods condemned and seized under the Public Health (Scotland) Act, 1897, Section 43, necessitated the issue of 170 certificates in respect of 10 cwts. 1 qr. in weight.

FOOD AND DRUGS ADULTERATION ACT, 1928.

The sampling of food to ascertain standards of purity, composition and suitability for human consumption was carried out throughout the year.

A total of 516 samples of various foods were procured for analysis; of these, 18 were formal samples and 498 informal or test samples. The foods sampled included milk, ice cream, mince, sausages and sausage meat, black puddings and fish cakes.

The importance of a clean milk supply, complying in all respects to standards laid down by Act of Parliament, accounted for the majority of samples taken for analysis.

Ice cream was sampled with regularity during the year. This commodity has within recent years become more of a food than a luxury. Regulations governing the manufacture, storage, handling and sale of ice cream have generally improved the quality to such an extent that, with careful manufacture, etc., in modern premises, the risk of carrying infection via ice cream should be entirely eliminated.

Five ice cream samples taken were found to be deficient in fat, the requirement of the Ice Cream Regulations being 5 per cent. Warning was given in all instances to offending vendors; all other samples taken satisfied the standards laid down.

SCAVENGING METHODS AND EFFICIENCY.

NEW KILPATRICK SPECIAL SCAVENGING DISTRICT.

Transport.

6 Wagons: SN 8998, ASN 222, ASN 818, BSN 40, BSN 41 and SN 7969.

<i>Year.</i>	<i>Drivers.</i>	<i>Men.</i>	<i>Youths.</i>	<i>Road Sweepers.</i>	<i>Boys.</i>	<i>Total.</i>
1948	... 5	13	1	12	8	39
1949	... 5	13	8	10	—	36
1950	... 6	15	4	10	—	35
1951	... 6	18	5	10	—	39
1952	... 6	17	6	10	—	39
1953	... 5	14	6	10	—	35

Cleansing operations were carried through with marked efficiency during the year. No major hold-ups were experienced through snowfalls, and any snow which did fall was dealt with expeditiously by the staff available, working in co-operation with the County Surveyor's staff. A little more co-operation and self-help by householders would further expedite matters on such occasions.

The introduction of electricity into the Garscadden Depot has proved beneficial and the additional plant—compressor, vulcaniser, drills, etc.—have all added to the efficiency of the work in the garage and enabled the motor mechanic to keep the wheels turning.

The staff accommodated at Garscadden Cottages have also appreciated the electrical supply and the introduction to the houses of electric cookers and wash boilers, coupled with improved lighting, has added to the amenity of the homes.

Killoch Coup.

Reclamation goes on apace and the shape of things to come can now be visualised. Rather extensive drainage operations will have to be tackled in the near future so that the filling up of a water hole may be efficiently carried out.

The Garden Refuse Removal Scheme continues to operate satisfactorily and during the year the sum of £768 13s. 3d. was subscribed to the service by householders.

The cleansing of classified and unclassified roads within the Special District by this Department and charged to the Highways Department was executed as follows:—

Classified roads—10.7 miles at £75 per mile ...	...	£802 10 0
Unclassified roads—23.66 miles at £45 per mile ...	...	£1,064 14 0
<i>a total cost of £1,867 4s.</i>		

OLD KILPATRICK SPECIAL SCAVENGING DISTRICT.

Transport.

2 Wagons: BSN 903 and ASN 109.

<i>Year.</i>	<i>Drivers.</i>	<i>Men.</i>	<i>Road Sweepers.</i>	<i>Total.</i>
1948	2	6	4	12
1949	2	6	4	12
1950	2	7	4	13
1951	2	7	4	13
1952	2	8	4	14
1953	2	8	4	14

The new wagon, BSN 903, continues to give every satisfaction, the fore-and-aft tipping mechanism proving ideal for the type of district in which it is working.

This vehicle can be described as both time and labour-saving and obviates the constant manual trimming of the load with its attendant dust and wastage of time.

Dumbuck Coup.

The reclamation of this one-time creek is proceeding rapidly and in the future good crops will be harvested from this land, which at one time only yielded rushes.

CUMBERNAULD SPECIAL SCAVENGING DISTRICT.

District labour was introduced in this area on 18th May, 1953.

Transport.

1 Wagon: Ford Thames 10 cubic yard Scavenging Wagon, CSN 599.

<i>Year.</i>	<i>Driver</i>	<i>Mechanic.</i>	<i>Men.</i>	<i>Total.</i>
1953	1	3	4

The change from private contract to direct labour worked smoothly and the cleansing of the district effectively executed.

Dullatur Coup.

In an effort to render this dangerous quarry hole innocuous all the refuse from the area is being tipped here, in an endeavour to fill up to a safe level. This will be achieved in the near future.

GARTSHORE SPECIAL SCAVENGING DISTRICT.

The scavenging in this district is carried on by private contract; the work is carried out in an efficient manner and no complaints have been received.

The contracts are carried out by the undernoted:—

Waterside—

A. Stuart, No. 13 Oxgang Kirkintilloch ... £312

Twechar—

R. Roberts, Eagle Inn Cottage, Condorrat ... £550

Economic circumstances in this district do not yet allow of direct labour being employed.

PUBLIC CONVENIENCES.

There are now seven Public Conveniences in the area, situated at Milton, Old Kilpatrick, Bowling, Duntocher, Hardgate, Waterside and Twechar.

The premises are well maintained by their respective attendants but, the majority of them being part-time employees, it is not possible to prevent sporadic outbreaks of vandalism, breaking windows, jamming locks, etc.

Site difficulties are still holding up the provision of these necessary adjustments to Public Health in other areas.

The cash collection from Public Conveniences is as follows:

	1949.	1950.	1951.	1952.	1953.
Old Kil-					
patrick	£17 8 11	£15 6 0	£16 4 6	£17 19 0	£18 12 6
Milton	11 9 3	11 4 10	11 1 5	11 10 2	11 15 7
Duntocher	3 2 1	4 6 7	4 9 0	5 4 2	5 12 1
Hardgate	3 9 11	4 17 10	3 17 0	5 4 2	6 19 4
Twechar (from January, 1952) ...	...	...	...	8 13 1	6 16 5
Waterside (from August, 1952)	...	...	...	0 19 4	1 14 6

SANITARY CONVENIENCES.

The position under this heading is shown in Table II.

FACTORIES ACT, 1937.

A record of the various industries and trades within the area is denoted in Table III.

During the year, 166 inspections were carried out to 117 premises in which it was necessary to draw the attention of 11 occupiers to various defects in sanitary conveniences. The defects were remedied without further action having to be taken.

BURIAL GROUNDS.

Routine inspection of cemeteries was carried out during 1953. At each visit lair depths are under observation and no particular comment regarding the conditions falls to be recorded.

BUILDING REGULATIONS.

A total of 293 plans were submitted by applicants during the year, an increase of 40 over the previous year. Table IV contains a record of the plans dealt with, garages again being the predominant feature of the applications.

BUILDING LICENSING.

Table V contains a list of the licences which were dealt with during the year. Licences dropped by 76 as compared with the year 1952, due to the raising of the permitted figure for licence-free building. Licences for the erection of 150 houses built by private enterprise were issued during the year, an increase of 99 over the previous year.

HOUSING.

Table VI contains a record of the houses built and allocated to tenants during 1953.

Appended is a list of properties dealt with under the provisions of the Housing (Scotland) Act, 1930-50.

INCREASE OF RENT AND MORTGAGE INTEREST (RESTRICTION)
ACTS.

There is nothing to report under this heading.

SCHOOLS.

Routine inspection of schools was carried out during the year and, while no item of special interest falls to be recorded, it is gratifying to report the maintenance of Public Health conditions.

INFECTIOUS DISEASE.

Under Sec. 53 (17) of the National Health Service (Scotland) Act, 1947, and the Public Health (Scotland) Act, 1897, the statement prepared for the purposes of claim for grant in relation to houses visited and disinfected during the year 1953/54 showed a charge of £265 14s., an increase of £36 19s. 6d. over the previous year, representing a total of 329 cases of infectious diseases dealt with, compared with 262 in 1952, an increase of 20 per cent.

The disposition of these cases was as follows:—

Burgh of Kirkintilloch ...	121	Landward Area ...	145
Burgh of Milngavie ...	63		

Of the 329 cases dealt with, Scarlet Fever represented 43.8 per cent.; Whooping Cough, 23.4 per cent.; Pneumonia, 23.4 per cent.; Dysentery, 4.2 per cent.; Erysipelas, 3.3 per cent.; Diphtheria, 0.91 per cent.; Tuberculosis, 0.6 per cent.; and C.S.M., 0.39 per cent.

STREET LIGHTING.

Within the four Special Lighting Districts improvements have been carried out in accordance with the wishes of the District Councils concerned.

Permission having been obtained from the appropriate Government Departments for the borrowing of the necessary capital, Old Kilpatrick District Council launched a scheme of Trunk Road Lighting, extending in the period under review from the boundary with Clydebank at Freelands Place, Old Kilpatrick, along the Dumbarton Road to the Railway Bridge at Gavinburn School. In the Duntocher Area the same type of lighting was carried out in Hardgate from the boundaries with Clydebank at the Hospital and Kilbowie Road.

Unfortunately, the lifting of tram rails and re-formation of the surface in Kilbowie Road interfered with the completion of the work before the end of the year.

In connection with the maintenance of the work, the appointment of a driver/electrician and the purchase of a tower wagon were necessary. The lamps in commission within each Special District are detailed hereunder:—

GAS SUPPLY.

<i>District.</i>	<i>Street Lamps.</i>	<i>Lamplighters</i>
New Kilpatrick	1,191	8
Old Kilpatrick	391	3
Gartshore	10*	—
	<hr/>	<hr/>
	1,592	11
	<hr/>	<hr/>

*Maintenance by Scottish Gas Board, Kirkintilloch.

ELECTRICITY SUPPLY.

<i>District.</i>	<i>Street Lamps.</i>	<i>Signal Lamps.</i>	<i>Total.</i>
New Kilpatrick	216*	3	219
Old Kilpatrick	314	—	314
Cumbernauld	281	—	281
Gartshore	133	—	133
	<u>944</u>	<u>3</u>	<u>947</u>

*Includes 103 lamps on Maryhill and Milngavie Roads, Bearsden, serviced by the Transport Department of Glasgow Corporation.

NUISANCES.

Under this heading nuisances dealt with are tabulated in Table VII. It will be noted that the items are of the type that call for attention yearly.

ADDITIONS TO HIGHWAYS.

PARISH OF EAST KILPATRICK.

	<i>Length.</i>	
	<i>Furl.</i>	<i>Yards.</i>
Crarae Avenue and footways—from side of Westfield Drive to south boundary of No. 21	—	136
Westfield Drive and south footway—extended westwards to west boundary of No. 3 (north footway to west boundary of No. 25 only)	—	36

PARISH OF CUMBERNAULD.

A.80—Footway on north side fronting Braehead Cottages, Condorrat	—	60
---	---	----

Condorrat Streets.

Dalshannon Road and footways—extended to north side of Rose Street	1	67
Dalshannon View and footways—extended to south side of Dalshannon Road	—	65
Jasmine Place and footways—from north side of Rose Street to turning point	—	120
Luggie View footways—from south-west side of		

Route B. 802 to turning point	...	...	...	—	60
Primrose Place and footways—from north side of Rose Street to turning point	...	...	...	—	100
Rose Street and footways—from north-east side of Route B. 802 to fence line	...	...	...	1	18

TENTS, VANS AND SHEDS.

Nothing falls to be recorded under this heading.

PEST DESTRUCTION.

Throughout the year under review, the numbers of vermin killed were:—

Rats	1,366	Mice	102
------	-----	-----	-------	------	-----	-----	-----

The foregoing figures refer to actual bodies accounted for and makes no allowance for animals dying in their burrows after poisoning.

More farmers in the area are using anti-coagulant poison with reasonably good results. Some farmers are finding that, as the rat population decreases, there is a corresponding increase in mice. To counteract this, it has been suggested that the strength of the bait be increased from 0.1 per cent. to 0.5 per cent.

It was necessary to serve notices under Section 4 of the Prevention of Damage by Pests Act, 1949, on 11 shopkeepers whose premises, a row of shops built on piers and infilled with earth, had become infested with rats. The collapse of the footpath in front of the shops was the first indication.

After a great deal of negotiation between the lawyers representing the shopkeepers and the Local Authority, a 4½-in. brick wall was built between the piers in each shop. This has proved to be effective rat proofing, as no further evidence of infestation has been observed since the work was completed.

During the year, complaint was made regarding the death of animals due to the consumption of poisoned bait laid down by the Pest Destruction officer. All necessary precautions are taken to prevent access to prepared baits, so that only the intended victims can consume the bait. Where there are

household pets and working animals present, a warning is verbally given to the owners that the animals be "confined to barracks" during the treatment period.

The vehicle supplied for the use of the Pest Destruction officer still gives satisfaction.

Table No. VIII gives an indication of work carried out during the year.

SHOPS ACTS.

Shops were regularly inspected throughout the year and in all instances the requirements of the various Acts have been complied with and a summary of the businesses is recorded in Table IX.

The general public who are now taking an increasing interest, especially in the quality of service available in shops, has made shopkeepers more conscious of modern facilities available for the hygienic preparation and handling of food exposed for sale to the shopper.

SALVAGE.

The materials salvaged during the year are as denoted hereunder:—

	<i>Tons. Cwts. Qrs.</i>			
Kitchen Waste	83	12	0	£341 11 0
Bones	2	7	2	10 14 7
Wastepaper	92	15	2	404 12 2
	<u>178</u>	<u>15</u>	<u>0</u>	<u>£756 17 9</u>

In comparison with salvage returns for the year 1952, the present returns show a decrease in weight and correspondingly in revenue. There still remains a demand for salvaged materials, although the economic return is not in keeping with the maintenance of such a service.

GENERAL.

The work of the Department has been carried out smoothly and with efficiency in all sections.

The relaxation of controls has increased private building activity throughout the area and considerable time has been devoted to Housing Surveys and to the allocation of tenants for houses provided and vacated within Local Authority schemes.

The specialised appointments of Milk Officer, Housing Supervisor and Rodent Officer have proved an acquisition in their respective spheres, permitting Sanitary Inspectors more time to apply to the varied practical and technical problems which arise from day to day.

The gradual curtailment of Food Control has afforded wide scope for Food and Drugs Sampling. Due to increased and improved requirements related to Scavenging and Lighting to meet housing and road developments, a greater amount of time of the Department has been centred on these subjects.

The staff under my control have carried out their duties to my entire satisfaction.

I am,

Ladies and Gentlemen,

Your obedient servant,

J. D. McKENDRICK,
County Sanitary Inspector.

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

RECORD OF SAMPLES DRAWN FROM FARMS SINCE THE INTRODUCTION OF THE ABOVE ORDERS UNTIL DECEMBER, 1949.

Year ended	No. of Farms	No. of Samples	High Bact. Count	Percentage	Bacilli Coli	Percentage
Introduction of Orders until December, 1942, -	50	1062	91	8.56%	63	5.93%
December, 1943, - - - - -	51	324	31	9.56%	32	9.87%
December, 1944, - - - - -	58	375	22	5.86%	24	6.40%
December, 1945, - - - - -	63	387	29	7.49%	22	5.68%
December, 1946, - - - - -	64	397	20	5.03%	15	3.77%
December, 1947, - - - - -	66	400	33	8.25%	34	8.50%
December, 1948, - - - - -	71	454	51	11.23%	50	11.01%
December, 1949, - - - - -	78	494	34	6.88%	35	7.28%
December, 1950, - - - - -	75	457	44	9.62%	39	8.53%
December, 1951, - - - - -	75	451	49	10.86%	28	6.20%
December, 1952, - - - - -	75	451	57	12.60%	48	10.60%
December, 1953, - - - - -	77	447	70	15.65%	59	13.17%
Totals, - - - - -	—	5699	531	9.31%	449	7.87%
MILKING METHODS.						
<i>Hand Milking.</i>						
Introduction of Orders until December, 1942, -	21	402	20	4.97%	13	3.23%
December, 1943, - - - - -	17	98	5	5.10%	2	2.10%
December, 1944, - - - - -	17	101	—	—	1	0.99%
December, 1945, - - - - -	17	101	5	4.95%	5	4.95%
December, 1946, - - - - -	15	94	3	3.19%	5	5.31%
December, 1947, - - - - -	16	90	5	5.55%	9	10.0%
December, 1948, - - - - -	14	84	3	3.57%	4	4.76%
December, 1949, - - - - -	15	89	6	6.74%	5	5.61%
December, 1950, - - - - -	11	67	8	11.94%	5	7.46%
December, 1951, - - - - -	7	33	3	9.09%	—	—
December, 1952, - - - - -	4	23	2	8.70%	3	13.10%
December, 1953, - - - - -	2	11	2	18.1%	1	9.0%
Totals, - - - - -	—	1193	62	5.19%	53	4.44%
<i>Machine Milking.</i>						
(Total of 7 Machines).						
Introduction of Orders until December, 1942, -	27	660	71	10.75%	50	7.57%
December, 1943, - - - - -	34	226	26	11.50%	30	13.27%
December, 1944, - - - - -	41	274	22	8.02%	23	8.39%
December, 1945, - - - - -	46	286	24	8.39%	17	5.90%
December, 1946, - - - - -	49	303	17	5.61%	10	3.30%
December, 1947, - - - - -	50	310	28	9.03%	25	8.06%
December, 1948, - - - - -	57	374	48	12.83%	46	12.29%
December, 1949, - - - - -	63	405	28	—	30	—
December, 1950, - - - - -	64	390	36	9.23%	34	8.71%
December, 1951, - - - - -	68	418	46	11.0%	28	6.69%
December, 1952, - - - - -	71	428	55	12.85%	45	10.51%
December, 1953, - - - - -	75	436	68	—	58	—
Totals, - - - - -	—	4510	469	10.39%	396	8.78%

TABLE I - THE EFFECT OF TEMPERATURE ON THE RATE OF GROWTH OF THE BACTERIA

Temperature (°C)	Initial Cell Count	Final Cell Count	Time (hours)
10	100	150	24
15	100	200	24
20	100	300	24
25	100	450	24
30	100	700	24
35	100	1000	24
40	100	1500	24
45	100	2000	24
50	100	2500	24
55	100	2800	24
60	100	3000	24
65	100	3200	24
70	100	3500	24
75	100	3800	24
80	100	4000	24
85	100	4200	24
90	100	4500	24
95	100	4800	24
100	100	5000	24

TABLE II.—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, - - - - -	...	...	...	...	...	...	...	...	...	...	...	...	...
Condorrat, - - - - -	2	...	...	...	...	9	2	1	...	...	...	3	...
Cumbernauld, - - - - -	3	4	...	...	...	22	5	...	...	...	...	21	...
Croy, - - - - -	...	4	...	...	...	...	...	...	...	...	...	...	...
Duntocher, Hardgate, and Faifley, - - - - -	...	...	...	...	...	48	10	17	...	...	...	...	...
Old Kilpatrick, - - - - -	...	...	...	...	...	14	6	5	...	...	...	...	...
Bowling, - - - - -	...	...	...	...	...	26	11	3	...	...	...	...	...
Milton and Dumbuck, - - - - -	...	4	6	...	...	...	...	...	...	...	...	17	...
Twechar, - - - - -	...	...	...	...	...	58	...	...	...	...	...	...	...
Waterside, - - - - -	...	2	1	...	...	...	...	...	...	...	...	...	...
TOTAL, - - - - -	5	14	7	...	...	177	34	26	...	...	...	41	...

TABLE IV.—PLANS OF BUILDINGS—EASTERN AREA.

PARISH	PLANS Buildings—Altered.			PLANS. Buildings—New.			No. of Buildings Altered.			No. of Buildings New.			No. of Houses Altered.					No. of Houses New.					Total							
	Bungalows	Cottages	Villas, Flats and Terrace Houses	Total	Bungalows	Cottages	Villas, Flats and Terrace Houses	Total	Bungalows	Cottages	Villas, Flats and Terrace Houses	Total	2 Apartment	3 Apartment	4 Apartment	5 Apartment	Over 5 Apartment	1 Apartment	2 Apartment	3 Apartment	4 Apartment	5 Apartment		Over 5 Apartment						
																									2 Apartment	3 Apartment	4 Apartment	5 Apartment	Over 5 Apartment	
Cumbernauld	—	3	—	3	1	2	2	5	—	3	—	3	1	10	38	49	—	2	—	2	1	—	3	6	16	26	1	—	49	
Kirkintilloch	—	—	2	2	—	2	3	5	—	—	2	2	—	10	112	122	—	—	—	—	2	—	2	6	64	52	—	122		
New Kilpatrick	22	—	5	27	10	—	10	20	22	—	5	27	280	—	27	307	—	—	—	9	8	10	27	—	—	—	115	95	97	307
Old Kilpatrick	1	1	—	2	1	1	4	6	—	2	—	2	1	7	47	55	—	—	—	2	—	—	2	6	46	3	—	55		
TOTALS, . . .	23	4	7	34	12	5	19	36	22	5	7	34	282	27	224	533	—	—	13	11	10	34	18	126	196	96	97	533		

TABLE V.—BUILDING LICENSING TABLE.

MONTH.	No. of Applications received	Value £ s. d.	Withdrawn	Refused	Pending	Licences Issued	Value £ s. d.
January -	8	51,945 0 0	—	—	—	8	51,945 0 0
February -	8	16,370 0 0	2	—	—	6	10,480 0 0
March -	6	91,954 16 0	—	—	—	6	91,954 16 0
April -	1	681 0 0	—	—	—	1	681 0 0
May -	4	7,350 0 0	1	—	—	3	4,900 0 0
June -	7	16,040 0 0	—	—	—	7	16,040 0 0
July -	5	13,007 0 0	—	—	—	5	13,007 0 0
August -	2	5,638 0 0	—	—	—	2	5,638 0 0
September -	7	17,454 0 0	—	—	1	6	14,704 0 0
October -	13	235,915 0 7	—	—	—	13	235,915 0 7
November -	—	—	—	—	—	—	—
December -	2	5,500 0 0	—	—	—	2	5,500 0 0
TOTALS -	63	461,854 16 7	3	—	1	59	450,764 16 7

TABLE VI.—NEW HOUSES AND VACANCIES ALLOCATED DURING THE YEAR 1953.

DISTRICTS	Houses Allocated Apartments					Total	Local Authority		Sub-Tenants		O/C. P.O. Tenants	Huts	Special Cases	Total Moves	Total Number of Persons involved
	2	3	4	5	Decrowd		Decant	I.A.	P.O.						
										Total					
Duntocher	6	6	2	1	2	1	2	1	6	—	1	13	50		
Old Kilpatrick and Bowling	1	5	5	1	2	—	2	1	6	—	—	11	50		
Cumbernauld	3	30	39	—	19	21	20	—	12	1	34	112	514		
Kirkintilloch	—	2	—	—	—	—	—	5	1	—	—	2	8		
Bearsden	—	12	3	—	—	2	1	1	2	—	4	15	52		
Totals	10	55	49	2	23	24	25	14	27	1	39	153	674		

TABLE VII.—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, -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	55	-	55
Ashpits repaired, -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ashbins provided, -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accumulation of Refuse removed, -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Common Stairs whitewashed or cleaned, -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Drains cleaned, -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Houses repaired, -	6	3	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18	-	18
Houses—Ceilings repaired, -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	-	6
" Dirty, cleaned, -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
" Doors repaired, -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
" Fireplace repaired, -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
" Floors repaired, -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
" Plasterwork repaired, -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
" Walls repaired, -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
" Windows repaired, -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
" Roofs repaired, -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rhones defective, -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Water Closets defective, -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Water Closets cleaned, -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Water Supply improved, -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Waste Pipes repaired, -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Wash Houses repaired, -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Soil Pipes repaired, -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vents repaired, -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Miscellaneous, -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTALS, -	6	21	27	-	1	1	1	-	19	27	46	-	-	86	56	-	110	-	110	

TABLE VIII.—PEST DESTRUCTION.

PARISH	Farm	INFESTATION Dwelling House, Shops, Etc.	Land	METHOD OF DISINFESTATION			Estimated No. Rats Destroyed	Rat Proofing of Premises
				Poison	Gassing	Trapping		
East Kilpatrick, including Burgh of Milngavie . . .	2	49	10	41	—	20	404	9
West Kilpatrick . . .	8	25	6	19	—	20	307	—
Kirkintilloch, including Burgh of Kirkintilloch . . .	16	27	12	35	—	20	234	2
Cumberrauld . . .	27	25	7	34	—	25	408	—
Totals . . .	53	126	35	129	—	85	1,353	11

SHOPS ACTS, 1912-50.
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.	Fruiters.	General Stores.	Grocers.	Hairdressers.	Ironmongers.	Licensed.	Newsagents.	Shoemakers.	Stationers.	Plumbers.	Painters.	Tearooms.	Funeral Undertakers.	Boots & Shoes	Total.
Cumbernauld, -	2	3	...	4	11	...	4	2	...	3	...	2	12	3	2	6	2	...	...	1	...	1	...	...	58
Kirkintilloch, -	...	1	...	...	1	...	...	...	...	...	...	3	2	...	...	1	1	1	...	...	...	...	...	...	10
East Kilpatrick,	3	7	3	2	5	2	3	1	4	...	4	2	11	3	2	...	6	...	2	5	6	1	1	2	75
West Kilpatrick,	3	7	2	4	9	1	4	...	1	4	1	...	29	2	...	13	4	1	1	1	...	...	3	5	95
Totals,	8	18	5	10	26	3	11	3	5	7	5	7	54	8	4	20	13	2	3	7	6	2	4	7	238

REPORT BY COUNTY ENGINEER.

24 GEORGE SQUARE,
GLASGOW, C.2.

LADIES AND GENTLEMEN,

One of the major considerations during the past year was the Eastern Regional Water Scheme and the position was complicated by the Department of Health's request that provision should be made for a water supply to a portion of Stirlingshire.

No indication regarding the grant to be awarded to the Scheme has been given by the Department and it may well be that the extent of grant will be well below expectations. The Department has still to advise the extent of grant on the Kilmarnock Water Scheme and its Extension and, as these Schemes were carried out under the Rural Water Supplies and Sewerage Act, 1944, the Department's proposal is awaited with interest as this will also give an indication of the grant to be expected for the Eastern Regional Scheme.

With regard to works in general, the increases in material and labour costs continued and the difficulty in obtaining cement was still present. The diversion of this and other material to works of higher priority being carried out for Government Departments did not make the position any brighter.

Good progress on the Extension to the Kilmarnock Water Scheme and on the contract of Improvements to the Old Kilpatrick Water Supply has been made by the contractors.

The Scottish Special Housing Association continued the site preparation works at Haldane Site, Jamestown, and the works are well ahead of house building. The delay in proceeding with the development of further housing sites may well lead to difficulties being experienced in finding sites for new house building by the end of next year or the spring of the following year.

The contract for the preparation of the new cemetery at Eastfield, Cumbernauld, has been completed and has been available for internments since May. The extension to the existing churchyard at Luss has been satisfactorily completed. The Council has given active consideration to the provision of a crematorium at Cardross Cemetery and an approach has been made to the Department of Health in this connection. A proposal for an extension to the Vale of Leven Cemetery has been submitted to the Department and the decision is awaited with interest.

The Department has been kept fully occupied in the preparation of details both for the schemes under construction, for schemes contemplated and the supervision of schemes under construction.

Two Junior Engineering Assistants resigned during the year and the return of a Junior Assistant from National Service and a new appointment restored the position. Following established policy, there was an interchange of Apprentices between the County Surveyor's and the County Engineer's Departments. In the Planning Department a Junior Assistant was called for National Service and an upgrading of a Junior Assistant to a Class III Assistant was made. In addition a new Junior appointment was made.

WATER SUPPLY.

GENERAL.

The rainfall for the year recorded marked increases at the reservoirs on the Gareloch-Loch Lomond water-shed which brought the total annual rainfall in this area to a point slightly above average, whereas the readings made at the reservoirs in the Clyde area showed a reduction from last year. It is also interesting to record that while 1.26 inches of rain fell over the City of Glasgow in 30 minutes on 26th June the rainfall at Bowling on that day was 0.02 inches and the total rainfall at this reservoir for the month of June was 1.34 inches.

At Loch Finlas Reservoir the rainfall for the first six months of the year was 25.84 inches, the second lowest reading for that period in the last 25 years, and in the remaining six months 62.04 inches of rain fell.

Following upon the inability to reach agreement with the neighbouring Authorities regarding the Regional Water Scheme for the Detached Area of the County and the Council's decision to proceed with an independent scheme, the Department of Health intervened with the result that a joint scheme with Stirlingshire has been prepared and the approval to the acceptance of the share of the cost of the scheme by Stirlingshire is expected early in the new year. It is gratifying that this scheme is no longer just another scheme on paper, but its fulfilment is assured. The delivery of pipes for the scheme is due to begin at the end of next year. In view of the continued complaints regarding the shortage of water at Twechar and Croy an investigation was carried out in collaboration with the Department of Health and the County of Lanark Water Engineer and, as a result, certain measures were taken which have shown some improvement in the position.

Inspections were carried out at Auchengaich, Carman and Burnbrae Reservoirs under the Reservoirs (Safety Provisions) Act, 1930, by members of the appropriate panel and it is gratifying to record that, apart from minor repairs, the Reservoirs are in good condition.

The campaign against waste of water was vigorously continued with very satisfactory results. The new Water Byelaws have had more than one full year's operation and the collaboration of plumbers and builders in carrying out these bye-laws has been marked. Difficulties have been smoothed out most amicably and it can be said that the Bye-Laws are functioning satisfactorily.

Arrochar and Tarbet Water Supply Area.

The water supply position continued to be satisfactory during the year and no shortages was experienced.

An extension of the water main at Cobbler View Housing Development was completed to meet further housing requirements.

Gareloch Water Supply Area.

The Reservoirs at Auchengaich, Rhu and Whistlefield provided ample supplies to meet all demands in the area during the year.

The main being laid between Whistlefield and Finnart to serve the Oil Depot at Finnart has commenced and should be completed in the spring of next year.

The link main between the Housing Site at Bendarroch and the main in Whistlefield Road has been satisfactorily completed and an extension of the water main serving the Rosneath Housing Development has been completed also.

An opportunity for the clearing of silt from the No. 1 Reservoir at Rhu was obtained during the dry spell in the spring when the level of this Reservoir was low.

Forty-six notices drawing the attention of owners of property to defective fittings and waste of water were served during the year. Fourteen underground bursts on communication pipes and five bursts on mains were repaired. Four connections were renewed and forty-three new connections given off.

Rainfall for the year was 56.61 inches at Whistlefield Filters, 64.24 inches at Rhu Filters, 66.67 inches at North of Auchengaich Reservoir and 67.18 inches at South of Auchengaich Reservoir.

Central Water Supply Area.

During the year 540 notices were served on property owners drawing their attention to defective fittings and waste of water. Thirty-nine underground bursts on communication pipes and 155 bursts on mains were repaired, three cleaned and five sealed off, while 186 new connections were given off.

Cardross Area.

The supply of water to Cardross continued to be good in

quality and ample in quantity during the year, Asker Filters being maintained in good condition and Asker Reservoir meeting the limited demands made upon it.

An extension of the water main in the private Housing Development at Muirend Estate was carried out.

Craigendoran Area.

The supply to this area was satisfactory during the year and no difficulties have been experienced since the new balancing tank has been in commission.

Renton Area.

Carman Reservoir held ample supplies of water during the whole year so that augmentation from Overtoun has been unnecessary despite the fact that the rainfall for the year was the lowest for some years and that a supply was given to the Burgh of Dumbarton. The reduction of waste has been most marked in this area and this is a contributory factor to the satisfactory position. The recorded rainfall at Carman was 40.98 inches for the year.

Vale of Leven Area.

An ample supply of water was available in the area during the year, the reservoir being full for eight months in the year.

The Burgh of Dumbarton and the Council reached agreement on further supplies of water to the Burgh and the Burgh can now draw a total of 110,000 gallons per day from Council sources.

Good progress was made during the year with the laying of water mains at the Haldane Housing Site. The mains in Developments Numbers 1, 2 and 3 have been completed and those in Development Number 4 are proceeding.

The Council approved a scheme for the installation of a Micro-straining Unit for water filtration at Loch Finlas Filter Station to replace the existing screens. This Unit will be capable of filtering 2,000,000 gallons per day and the work should be completed by September, 1954.

During the year the rainfall measured at Loch Finlas Reservoir was 87.88 inches. The wettest month was November with 17.14 inches and the driest June with 2.51 inches.

Luss Area.

The water supply to the village proved ample and sufficient to meet all demands during the year.

The new water main to serve the Agricultural Workers' Houses at Muirland was laid early in the year. An application for an extension to this main has been submitted to the Department of Health for consideration with a view to a grant being awarded.

Kilmarnock Area.

Loch Finlas Reservoir continued to give a satisfactory supply to this area. The extension of the mains in the Auchencarroch Road, Gallangad and Meikle Finnery areas was carried out satisfactorily and with its completion the main water supply scheme for the whole area has been completed. The Council has forwarded to the Department of Health a request for an extension to the water system to serve the Ross Priory community and a decision is awaited.

Bowling Area.

The supply from the reservoir was satisfactory during the year and to meet the industrial requirements augmentation was received from Loch Finlas Reservoir.

The purchase of the Water Superintendent's house at Auchentorlie from the Roads Department was completed during the year.

The rainfall recorded at Bowling Filters during the year was 36.51 inches.

Old Kilpatrick Area.

Burnbrae Reservoir provided adequate water supplies to the area during the year.

The improvements scheme commenced in the autumn and good progress is being made despite adverse weather conditions.

Waterside Water Supply Area.

A satisfactory bulk supply of water was received from the Burgh of Kirkintilloch throughout the year.

Clydebank and District Water Trust.

Duntocher, Hardgate and Mosshead Districts were satisfactorily supplied by the Water Trust during the year.

Bearsden Area.

The supply of water from the Corporation of Glasgow serving the greater part of Bearsden was satisfactory during the year.

DRAINAGE.

GENERAL.

The Sewerage and Sewage Disposal Schemes at Condorrat and Twechar suffered very serious delays due to the contractor entering into liquidation in May. This happening caused a cessation of work for six months before a new contractor started. As a result the progress which would have resulted from the summer and autumn months working was irredeemably lost and final completion cannot be hoped for before the end of next year.

The Scheme at Cumbernauld South was completed and is functioning satisfactorily.

A decision has been given by the Secretary of State regarding the request by the Corporation of Glasgow for an increase in the rates for the reception and treatment of sewage in the Duntocher and New Kilpatrick Areas and which was referred to him. This decision has increased the annual rate but has not given the full amount claimed by the Corporation.

Consideration is being given to a Sewerage and Sewage Disposal Scheme for those parts of the Gareloch which are outwith the Special Sewerage and Sewage Disposal District. A report will be submitted next year on the works involved.

An extension of sewer to serve Rosneath No. 2 Development was completed.

The cesspool emptier has been employed in the Eastern and Western Districts cleaning septic tanks and flushing sewers. This machine has completed three years' service and is fully justifying its purchase.

WESTERN SPECIAL SEWERAGE AND SEWAGE DISPOSAL DISTRICT.

Arrochar and Tarbet Area.

The sewers and detritus tanks in the area have been satisfactorily maintained.

The connection of further premises to the new scheme at Tarbet continued during the year.

An extension to the sewers serving Cobbler View Housing Development was carried out.

Garelochhead Area.

The sewers and detritus tanks were kept in good repair throughout the year.

Sewers to serve the second Development at the Bendarroch Housing Site were completed.

Rhu Area.

The sewers and detritus tanks in the area functioned satisfactorily during the year.

Craigendoran Area.

The sewers and detritus tanks serving this area operated satisfactorily.

Vale of Leven and Renton Area.

Following the established procedure samples of sewage effluent and river water were taken from the River Leven below the discharge point from Dalmoak Pumping Station at various states of the tide. The analyses of these samples showed

the effluent to be satisfactory. The total inflow for the year of sewage from the District pumped at this station was 370,632,000 gallons.

The syphon sewer from the Vale of Leven Industrial Estate and passing under the River Leven has been taken over by the Council.

The experimental work with compost beds at Dalmoak Pumping Station was continued and an interim report should be available in the autumn of next year.

The laying of the outfall sewer from the Haldane Housing Development was completed. The driving of the tunnel below the River Leven proved to be difficult due to the substrata, but was successfully accomplished against the severe conditions encountered.

Sewers in Developments Numbers 1, 2, 3 and 4 of the Haldane Site were laid during the year.

Gartocharn Area.

The sewers and sewage treatment works continued to function satisfactorily.

Bowling Area.

The sewers and detritus tanks were satisfactorily maintained during the year.

Old Kilpatrick Area.

The sewers and detritus tanks in this area were kept in a satisfactory condition.

Duntocher Area.

The sewers serving the area functioned satisfactorily during the year.

The question of unauthorised coupling over sewers came to the fore towards the end of the year when the 24-in. and 15-in. diameter sewers along the Duntocher Burn received severe damage due to the coupling of materials in such a manner as to

cause a slip in the ground due to excessive loading. The repairs are in course of being carried out.

An extension of sewers in the Auchentoshan Development was completed to meet new housing development.

Bearsden Area.

The sewers and pumping stations gave satisfactory service throughout the year.

An application for the provision of sewers to serve a new housing development by private enterprise in the Garscube Area was received. In view of its magnitude and to supersede the pumping station in Switchback Road, a scheme has been prepared for a new outfall sewer connecting to the Corporation of Glasgow sewer and tenders have been invited for this sewer and for the sewers in the area of the first housing development.

EASTERN SPECIAL SEWERAGE AND SEWAGE DISPOSAL DISTRICT.

Condorrat Area.

Progress in the construction of the new sewage treatment works received a very severe setback with the entry into liquidation of the contractor during the month of May. Work has been resumed, but the time lost will not easily be recovered.

The sewers and pumping station operated satisfactorily but the problem of the existing works with its heavy maintenance requirements still exists and will now continue to be for at least six months longer than envisaged.

Cumbernauld Area.

The provision of sewers to serve the new Housing Development at Cumbernauld South was satisfactorily completed.

It is gratifying to record that, after many delays due to the shortage of materials, the Cumbernauld South Sewerage Scheme has been completed and is functioning satisfactorily.

The sewers and sewage works serving Cumbernauld village gave satisfactory service during the year.

Waterside Area.

The sewers and the sewage treatment works continued to give good service throughout the year.

Croy Area.

Maintenance on the sewers serving the area was continued and the requirements of labour on the treatment works are increasing due to their being over-taxed and requiring modernisation.

Twechar Area.

The loss of summer and autumn working on the new treatment works due to the loss of the contractor from the site will cause a serious delay in the completion of these works.

The sewers in the area were maintained satisfactorily during the year, but the existing works require constant attention.

CINEMATOGRAPH ACT.

In accordance with procedure premises holding licences under the above Act were inspected and found to be complying with the conditions of licence granted by the Council with the exception of the Woodilee Mental Hospital where works are being carried out on the recommendation of the Fire Prevention Officer and the Hall Cinema, Alexandria, where works are being carried out to bring it up to standard.

With regard to Woodilee Mental Hospital, the licence was renewed on the understanding that outstanding items would be given effect to at an early date and the licence for the Hall Cinema, Alexandria, was granted on condition that the completion of the works be expedited.

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.
5. Bradford Cinema, Cumbernauld.
6. Woodilee Mental Hospital.

THEATRE ACT.

Applications were received for permission to hold theatrical performances in the following halls:—

The Hall, Westerton. (Two applications.)

Boys' Brigade Hall, Bearsden. (Two applications.)

Old Parish Church Hall, Alexandria.

Licences were granted in each case.

TOWN AND COUNTRY PLANNING.

The year has been marked by the Secretary of State's approval of the Vale of Leven Part Development Plan, which is the first of the part plans of the County to be confirmed. The attention of the Department has otherwise been principally directed to the preparation of the subsequent Part Plans for the Kirkintilloch and Waterside Area and the Parishes of East and West Kilpatrick.

Vale of Leven Part Area.

Copies of the Development Plan and relative documents for the Vale of Leven Part Area were exhibited for public inspection until 31st January, the closing date for the lodgment of objections. Eight objections were received but, as a result of meetings and discussions with the parties concerned, the objections were withdrawn with one exception, which was referred to the Secretary of State.

The Plan was approved by the Secretary of State, with certain modifications, on 3rd August and became operative from that date. In terms of the Town and Country Planning (Development Plans) (Scotland) Regulations, 1948, copies of the Development Plan were made available for public inspection at the Council Office and a Notice of Approval was published, a Notice also being served on the Objector who had made a request therefor.

Kirkintilloch Part Area.

The Standing Sub-Committee have completed the consultations which, in accordance with statutory procedure, are

required to be held with adjoining planning authorities and all other interested bodies in connection with the provisions of the Development Plan for the Kirkintilloch Part Area.

The preparation of the Development Plan and relative documents in their final form is now in hand.

Kilpatrick's Part Area.

Work is proceeding on the preparation of the Draft Development Plan for the Kilpatrick's Part Area, together with the preparation of the Survey Report and Written Statement.

CONSULTATIONS WITH ADJOINING AUTHORITIES.

Consultations have been held between the Standing Sub-Committee and adjacent Planning Authorities in connection with the procedure for the approval of the latter's respective development plans.

Burgh of Dumbarton.

Consideration and approval was given to the provisions of the Development Plan for Dumbarton in so far as they relate to the County Council's planning provisions for the conterminous area of the County. Approval was conditional upon the Town Council obtaining powers to extend their Burgh Boundary to embrace the area of proposed housing development at present in the Landward Area of the County.

Burgh of Clydebank.

The Standing Sub-Committee reported that the provisions of the Development Plan for Clydebank were in conformity with the County Council's planning proposals.

County of Lanark.

As the interests of the County were not affected by Lanark County Council's Part Development Plan it was agreed that no consultations were necessary.

INTERIM DEVELOPMENT CONTROL.

The Town and Country Planning Act, 1953, which extends to Scotland as well as England and Wales, came into operation

on 20th May. This Act is the first part of legislation to give effect to the amendment of the financial provisions of the 1947 Act, as announced in the Government's White Paper last year.

The New Act abolishes development charge in respect of all development begun on or after 18th November, 1952. It also postpones the distribution of the £300,000,000 fund in respect of depreciation of land value until further legislation is introduced. Provision is, however, made for the satisfaction of claims on the £300,000,000 fund where planning permission is refused, modified or revoked or where land is compulsorily acquired.

As was anticipated, the adjustment of the financial provisions of the 1947 Act has resulted in an increase in the number of applications received this year in comparison with last year, as indicated by the following summary.

The total number of applications received during the year was 576 compared with 489 for last year. This figure includes 77 applications which were submitted for provisional approval, as against 40 such applications received last year. Also included are 59 applications which proved to be permitted development, compared with 71 applications of a similar nature submitted last year. These applications were dealt with under the respective Planning Areas as follows:—

APPLICATIONS.

<i>Planning Area.</i>	<i>Postponed or</i>			<i>Total.</i>
	<i>Granted.</i>	<i>Withdrawn.</i>	<i>Refused.</i>	
Clydeside, Gareloch and Loch				
Long	103	7	12	122
Vale of Leven	50	4	11	65
Loch Lomond	29	3	4	36
Kilpatricks	129	5	14	148
Milngavie (1) and (2)	25	—	—	25
Kirkintilloch and Cumbernauld	102	2	17	121
	<u>438</u>	<u>21</u>	<u>58</u>	<u>517</u>
Exempted under General Development Order, 1950 ...				59
				<u>576</u>

LOCAL AUTHORITY.

<i>Planning Area.</i>	<i>Granted.</i>		<i>Postponed or Withdrawn.</i>		<i>Refused.</i>		<i>Total.</i>	
	<i>A.</i>	<i>H.</i>	<i>A.</i>	<i>H.</i>	<i>A.</i>	<i>H.</i>	<i>A.</i>	<i>H.</i>
<i>(a) Landward—</i>								
Clydeside, Gareloch and Loch Long...	9	68	—	—	—	—	9	68
Vale of Leven ...	5	322	—	—	—	—	5	322
Loch Lomond ...	3	16	—	—	—	—	3	16
Kilpatricks ...	7	76	—	—	—	—	7	76
Kirkintilloch and Cumbernauld ...	13	192	—	—	—	—	13	192
<i>(b) Burgh—</i>								
Helensburgh ...	1	8	—	—	—	—	1	8
Kirkintilloch ...	8	182	—	—	—	—	8	182
TOTALS ...	46	864	—	—	—	—	46	864

A.—Applications. *H.*—Houses.

PRIVATE ENTERPRISE.

<i>Planning Area.</i>	<i>Granted.</i>		<i>Postponed or Withdrawn.</i>		<i>Refused.</i>		<i>Total.</i>	
	<i>A.</i>	<i>H.</i>	<i>A.</i>	<i>H.</i>	<i>A.</i>	<i>H.</i>	<i>A.</i>	<i>H.</i>
<i>(a) Landward—</i>								
Clydeside, Gareloch and Loch Long...	9	10	1	1	—	—	10	11
Vale of Leven ...	—	—	—	—	—	—	—	—
Loch Lomond ...	3	3	1	1	1	1	5	5
Kilpatricks ...	28	511	1	1	—	—	20	512
Kirkintilloch and Cumbernauld ...	2	3	—	—	—	—	2	3
<i>(b) Burgh—</i>								
Helensburgh ...	12	33	—	—	—	—	12	33
Milngavie(1) and(2)	11	57	—	—	—	—	11	57
Kirkintilloch ...	22	21	—	—	—	—	22	21
TOTALS ...	87	638	3	3	1	1	91	642

A.—Applications. *H.*—Houses.

CONVERSIONS.

<i>Planning Area.</i>	<i>Granted.</i>		<i>Postponed or Withdrawn.</i>		<i>Refused.</i>		<i>Total.</i>	
	<i>A.</i>	<i>H.</i>	<i>A.</i>	<i>H.</i>	<i>A.</i>	<i>H.</i>	<i>A.</i>	<i>H.</i>
<i>(a) Landward—</i>								
Clydeside, Gareloch and Loch Long...	3	12	—	—	—	—	3	12
Kilpatricks ...	1	2	—	—	—	—	1	2
<i>(b) Burgh—</i>								
Helensburgh ...	4	8	—	—	—	—	4	8
Kirkintilloch ...	2	4	—	—	—	—	2	4
TOTALS ...	10	26	—	—	—	—	10	26

A.—Applications. *H.*—Houses.

INDUSTRIAL APPLICATIONS.

<i>Planning Area.</i>	<i>Granted.</i>	<i>Postponed or Withdrawn.</i>		<i>Refused.</i>	<i>Total.</i>
<i>(a) Landward—</i>					
Clydeside, Gareloch and Loch Long ...	6	—	—	—	6
Vale of Leven ...	3	—	—	—	3
Kilpatricks ...	4	—	—	—	4
Kirkintilloch and Cumbernauld ...	6	—	—	1	7
<i>(b) Burgh—</i>					
Helensburgh ...	1	—	—	—	1
Milngavie (1) and (2)	2	—	—	—	2
Kirkintilloch ...	3	—	—	—	3
TOTALS ...	25	—	—	1	26

COMMERCIAL APPLICATIONS.

<i>Planning Area.</i>	<i>Granted.</i>	<i>Postponed or Withdrawn.</i>	<i>Refused.</i>	<i>Total.</i>
<i>(a) Landward—</i>				
Clydeside, Gareloch and Loch Long ...	4	—	—	4
Vale of Leven ...	8	1	3	12
Loch Lomond ...	9	1	—	10
Kilpatricks ...	16	—	1	17
Kirkintilloch and Cumbernauld ...	6	—	—	6
<i>(b) Burgh—</i>				
Helensburgh ...	10	4	1	15
Milngavie (1) and (2)	3	—	—	3
Kirkintilloch ...	2	—	—	2
TOTALS ...	58	6	5	69

Housing Sites Selection.

In accordance with the procedure prescribed in Circular 46/1950 clearances were obtained from all relevant authorities and planning approval was granted for the use of the following areas for housing development:—

<i>Site.</i>	<i>Acreage.</i>
Cunningham's Land, Kirkintilloch ...	0.4
Freeland Place, Kirkintilloch ...	2.2
Hillhead, Kirkintilloch ...	0.69
Newdyke, Kirkintilloch ...	16.4
Waterside ...	0.34
Moss Road, Waterside ...	0.87

Conflicting reports were received from the Mineral Valuer and the National Coal Board in respect of a site of 20 acres at West Gallowhill, Kirkintilloch, which the Town Council proposed to develop. While the National Coal Board was not prepared to grant clearance, the Mineral Valuer's report

indicated that the site was acceptable from the point of view of mineral support. In view of the Mineral Valuer's statement the Council agreed to issue the necessary clearance certificate and to approve the site for housing development.

Subsequently the Council was notified by the Department of Health that the National Coal Board was prepared to consider the development of an alternative site at Gallowhill on the south side of Boghead Road.

The Coal Board, the Mineral Valuer and the Clyde Agricultural Executive Committee have declined to grant clearance for a site of 7.3 acres at Croy, while the Agricultural Executive Committee has objected to the development of an area of 11.41 acres at Claddens, Kirkintilloch.

Negotiations are still proceeding regarding the clearance of these three sites.

Applications were received from Kirkintilloch Town Council for the clearance of a site of 9.41 acres at Middlemuir and one of 0.44 acres at Broadcroft, Kirkintilloch. These proposed developments were contrary to the provisions of the Kirkintilloch Part Development Plan and were remitted back to the Town Council for reconsideration. In view of the effect of future road proposals on a site of 11.89 acres at Tullichewan, Alexandria, the request for clearance was remitted back to the Housing Authority. Clearances were requested for an area of 62 acres at Mollanbowie, Balloch, but the proposal to develop the site for housing was later abandoned.

Clearances are being sought on behalf of Milngavie Town Council for housing development on a site of 24 acres at Clober, Milngavie and on behalf of the Council in respect of a site of 1.218 acres at Croftamie and one of 1.44 acres at Condorrat.

TREE PRESERVATION.

In accordance with the procedure laid down in the Forestry Act, 1951, the Forestry Commission referred to the County

Council two applications for permission to fell trees at Dark Wood, Rosneath and Garscube Estate, Bearsden. The issue of felling licences for these operations was approved by the Council, subject to replanting conditions in the case of the first-mentioned site.

APPEALS.

Six appeals were dealt with during the year, as follows:—

(1) *Kirkintilloch.*

The Secretary of State dismissed an appeal against the Council's decision to refuse permission for the erection of advertisement hoardings at Kilsyth Road, Kirkintilloch.

(2) *Bearsden.*

An appeal against the Council's refusal of permission for the erection of an illuminated sign at Rannoch Drive, Bearsden was dismissed by the Secretary of State.

(3) *Ballagan.*

An appeal against the condition imposed by the Council in the grant of permission for the installation of petrol pumps at Ballagan was withdrawn following the Council's decision to delete the condition.

(4) *Ballagan.*

The Secretary of State sustained an appeal relating to a piggery at Ballagan, to the extent of granting planning permission for a period expiring on September, 1959.

(5) *Balloch.*

The Council's refusal of permission for the change of use of a garage to a shop was the subject of an appeal which was withdrawn.

(6) *Faifley.*

An appeal against the Council's refusal of permission for the formation of an access road at Faifley was withdrawn.

Appeals relating to the following developments are pending :

1. A caravan repair and storage depot at Milngavie.
2. A school and church at Balloch.
3. Quarrying operations at Dullatur. In this case the Appellant has intimated that it may be possible to adjust the matter without proceeding with the Appeal.

CONTRAVENTIONS.

In the course of the year nineteen alleged contraventions were dealt with.

At the request of the Council a garage, which was being used as a hen-house at Main Street, Renton, was removed and the use of land at Waterside for the demolition of lorries was discontinued.

Applications were received for other unauthorised developments, which were dealt with as follows :—

<i>Development.</i>	<i>Location.</i>	<i>Decision.</i>
Piggery	Tarbet.	Approved.
Sign	Alexandria.	Refused.
Sign	Bearsden.	Approved, 3 years.
Boatyard	Balloch.	Approved.
Use of Garage as Workshop	Bearsden.	Approved, 1 year.

To secure the removal of a fence and soil deposits at Old Kilpatrick and the discontinuance of the use of the above-mentioned site at Waterside for the demolition of lorries, two Enforcement Notices were served, the second being effective.

One of the Enforcement Notices outstanding from last year, which related to a caravan and two bus bodies at Arrochar, was effective in part, but action had to be taken by the Procurator-Fiscal to secure the removal of one of the 'bus bodies.

Regarding the enforcement Notice in respect of the unauthorised use of land as a builder's yard at Bearsden, a provisional application was submitted and approved, subject to conditions, following adjustments between the Council, the local residents and the applicants.

SELECTION OF SITES FOR HUTS AND CARAVANS.

Further considerations has been given to the development of sites throughout the County for the accommodation of huts and caravans.

Approval was granted to the development of sites at Shandon, Rosneath and Portkil, but in the latter case the owner would not make the site available. A proposal to develop a caravan site at Inverglas is being investigated.

Consent was withheld for the development of sites at Dumbuck and Craigendoran.

ELECTRICITY SUPPLY.

Within the area of the County administered by the North of Scotland Hydro-Electric Board approval was granted for the erection of high tension overhead lines at Luss, Gartocharn and Croftamie and low tension overhead lines at Kilmaronock, Blairquhanan, Gartocharn, Luss and Blairlusk.

Approval was granted to the erection by the South-East Scotland Electricity Board of high tension overhead lines at Cumbernauld and Castlecary and of low tension overhead lines at Cumbernauld, Cumbernauld Station, Croy, Dullatur and Castlecary. The erection of a high tension line at Croy was refused.

The South-West Scotland Electricity Board were granted approval for the erection of a 132 kV pylon line from Windyhill to Killermont, a sub-station at Jamestown and low tension overhead lines in the parishes of Bonhill, Rhu, Cardross, Rosneath, West Kilpatrick and East Kilpatrick.

The Council has expressed concern at the exclusion from the scheme of agricultural land and has made representations to the Department of Health in that connection.

INDUSTRIAL DEVELOPMENT—KILSYTH AREA.

Consideration of the provision of sites for industry in the Kilsyth Area has continued. The Council was represented at a meeting with the Member of Parliament for Dunbartonshire East and the three Members for Stirlingshire. It has been agreed that a list of the types of industries which might be suitable for the area should be prepared by the County Clerks of Dunbarton and Stirling, the Town Clerk of Kilsyth, officials of the Department of Health and the Board of Trade and the Secretary of the Scottish Council (Development and Industry) and thereafter circulated to the various interested organisations.

PURCHASE NOTICE.

Following the Council's refusal of permission for the re-erection of a church hall at Old Kilpatrick, the proprietors served on the Council a Purchase Notice under the terms of Section 17 of the Town and Country Planning (Scotland) Act, 1947. The Notice was confirmed by the Secretary of State on 19th November and the Council agreed to accept that decision.

CLYDE VALLEY PLANNING ADVISORY COMMITTEE.

The primary considerations before the Clyde Valley Planning Advisory Committee during the year have been related to the overspill of population to be anticipated in the Clyde Valley Region.

In March the Secretary of State requested the Advisory Committee, as a matter of urgency, to consider and make recommendations on the selection of sites outwith the City of Glasgow to meet overspill requirements and on the administrative machinery to be adopted to secure the provision of housing and other facilities and services on those sites.

POST OFFICE TELEGRAPHS.

Applications were approved for the installation of cables and the erection of posts and overhead lines in the parishes of Bonhill, West Kilpatrick, Rosneath, Kirkintilloch and Cumbernauld.

Approval was granted for the erection of a Telephone Exchange at Alexandria and the resiting of a Cable Hut at Rhu.

The Council and the Ministry of Works have continued negotiations in connection with a site at Old Kilpatrick to be designated on the Development Plan as subject to compulsory acquisition for the erection of a Unit Automatic Exchange.

The resiting of a remunerative telephone kiosk at Kilcreggan was approved, together with the erection of such kiosks at Castlecary, Finnart, Garelochhead, Rhu, Helensburgh, Alexandria and Bonhill.

The erection of a telephone kiosk at Tintoeh, under the Rural Allocation Scheme, was approved. As an alternative to the siting of a kiosk at Craighlenn, Condorrat, which the Post Office Telephones Department considered was unjustified, the Council suggested that a kiosk be sited at Auchenkiln Cross Roads, Condorrat. Alternative sites at Gully Bridge, Rhu and Aldochlay, Luss, were suggested for the location of the kiosk which has been allocated under the 1953-54 programme.

REMOVAL OF TEMPORARY DEFENCE WORKS.

The Government's intention to derequisition sites on private land occupied by temporary defence works was intimated in Department of Health Circular No. 42/1953. Additional financial assistance will be granted to owners for the restoration of their land where the terminal compensation is insufficient to cover the work involved.

Restoration may be enforced by local planning authorities under the powers conferred by Section 72 of the Town and Country Planning (Scotland) Act, 1947, and financial assistance may be granted to them by the Secretary of State, provided he

is satisfied that restoration is essential in the public interest and is not demanded primarily on agricultural grounds.

A Technical Panel, set up by the Advisory Committee and composed of the Planning Officers of the principal constituent authorities, was directed to consider the whole question. To assess the amount of overspill for which provision must be made the Panel circularised local authorities in the Region. As a result of their enquiries the Panel reported to the Advisory Committee that there was a serious problem of overspill of population from the City of Glasgow, that it would be necessary to embark immediately on at least one new town for the partial solution of the housing difficulties of the Clyde Valley Region and that a site at Cumbernauld is the most suitable for the immediate establishment of a new town. These recommendations were confirmed by the Advisory Committee on 18th August and their decision has been communicated to the Secretary of State.

I am,

Ladies and Gentlemen,

Your obedient Servant,

MALCOLM ROSS.

County Engineer and Planning Officer.

3/7/55