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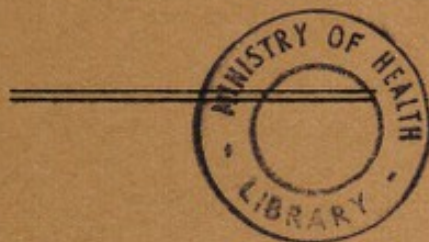
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Workshop Rural District Council



# ANNUAL REPORT

for

Year ended 31st December, 1958

by

M. B. McCANN

Medical Officer of Health

L.R.C.P., L.R.C.S., L.M., D.P.H.

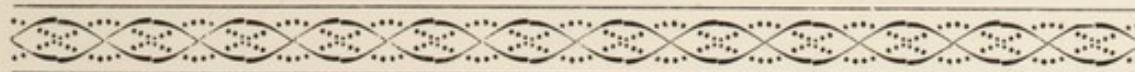




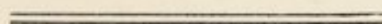
BOROUGH OF WORKSOP

*With the  
Medical Officer's Compliments*

*Park House,  
Worksop.*



Worksop Rural District Council



# ANNUAL REPORT

for

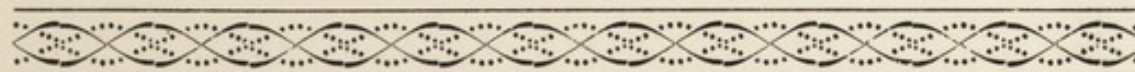
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# Worksop Rural District Council

YEAR ENDED 31ST DECEMBER, 1958.

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*Chairman :*

MR. T. DENNIS, J.P.

*Vice-Chairman :*

MR. R. S. DADLEY

---

MR. W. H. BECKETT

MR. J. H. LACEY

MR. F. BROUGH

MR. M. LANGRICK

MR. S. BURKE, C.C.

MR. S. SLACK

MR. G. CAWTHORNE

MR. T. STEVENSON

MR. C. W. COLLINGHAM

MR. W. N. STUBBINGS

MR. H. GREAVES

MR. H. STOKES

MR. J. GYTE

MRS. M. K. THOMAS

MRS. B. A. HARRISON

MR. F. D. THORNTON

MR. N. HAWKINS

MRS. E. WILSON

MR. C. JAMES.

---

*Medical Officer of Health :*

M. B. McCANN, L.R.C.P., L.R.C.S., L.M., D.P.H.

*Surveyor and Chief Public Health Inspector :*

C. J. PHILLIPS, M.R.S.H., C.R.S.H., M.A.P.H.I.

*Additional Public Health Inspectors :*

C. TURBERFIELD, Cert.R.S.H., M.A.P.H.I.

J. D. BULLIMORE, Cert.R.S.H., M.A.P.H.I.

*Clerk of the Council : Chief Financial Officer and Rating & Valuation Officer :*

C. I. INGHAM, A.R.V.A.

PUBLIC HEALTH DEPARTMENT,  
HIGHFIELD HOUSE,  
CARLTON ROAD,  
WORKSOP.

July, 1959.

TO THE CHAIRMAN AND MEMBERS OF THE WORKSOP RURAL DISTRICT  
COUNCIL.

SIR, LADIES AND GENTLEMEN,

I have the honour to submit for your consideration the annual health report for the year ended 31st December, 1958, together with the Vital Statistics relative to that period.

The population figure of 17,490 represents an increase of 240 over the corresponding figure for last year.

The birth rate is 18.0 per thousand of the population. The figure for England and Wales is 16.4.

The death rate at 10.9 per thousand of the population is below that for England and Wales (11.7).

The infant mortality rate at 31.6 per thousand live births, is above that for England and Wales (22.5).

The report includes information on the Health Services provided in the area by the Nottinghamshire County Council, and for this information I am indebted to the County Medical Officer.

I am,

Your obedient Servant,

M. B. McCANN,

*Medical Officer of Health.*

### STATISTICS AND SOCIAL CONDITIONS OF THE AREA.

Area in acres .....	17,458
Population (estimated) mid year .....	17,490
No. of inhabited houses at 31st March, 1959 .....	5,039
Rateable Value at 31st March, 1959 .....	£161,889
Penny Rate Product at 31st March, 1958 .....	£626 (approx.)

### VITAL STATISTICS.

#### Live Births.

	M.	F.	Total
Legitimate .....	167	140	307
Illegitimate .....	2	7	9
Birth rate per 1,000 of population .....			18.0
Birth rate per 1,000 of population of England and Wales .....			16.4

#### Still Births.

	M.	F.	Total
Legitimate .....	3	3	6
Illegitimate .....	—	—	—
Rate per 1,000 (live and still) births .....			18.9
Rate per 1,000 estimated population .....			3.4

#### Maternal Mortality.

Deaths from Puerperal Causes .....	—
Other Maternal Causes .....	—

#### Infantile Mortality.

	M.	F.	Total
Deaths of Legitimate infants under 1 year .....	4	6	10
Deaths of Illegitimate infants under 1 year .....	—	—	Nil
Death rate of legitimate infants per 1,000 legitimate live births .....			31.6
Infant mortality rate for England and Wales per 1,000 live births .....			22.5



**Deaths.**

	M.	F.	Total
	122	70	192
Death rate per 1,000 estimated population .....			10.9
Death rate per 1,000 population England and Wales .....			11.7

All the above rates are calculated on the estimated population given by the Registrar General.

**Mortality.** The Causes of death were :—

Respiratory Tuberculosis .....	1
Tuberculosis (other forms) .....	—
Cancer (all forms) .....	22
Leukaemia .....	2
Vascular disease of the nervous system .....	17
Heart disease .....	71
Other Circulatory diseases .....	8
Pneumonia .....	18
Bronchitis .....	11
Other Defined and Ill-defined diseases .....	17
Motor Vehicle Accidents .....	3
All other Accidents .....	4
Diabetes .....	2
Suicide .....	2
Congenital malformations .....	3
Concealed haemorrhage and toxæmia of pregnancy .....	—
Other disease of respiratory system .....	3
Ulcer of Stomach and Duodenum .....	1
Hyperplasia of prostate .....	1
Syphilitic .....	2
Gastritis, Enteritis and Diarrhoea .....	2
Nephritis and Nephrosis .....	2
	<hr/>
	192

## **PREVALENCE OF, AND CONTROL OVER, INFECTIOUS AND OTHER DISEASES.**

---

### **Measles.**

During the year 6 cases of measles were notified.

### **Scarlet Fever.**

Fourteen cases of scarlet fever were notified and the disease continues to be mild in type.

### **Whooping Cough.**

There was only one case of whooping cough notified during the year, and it is obvious that this can be attributed to the high degree of immunity existing as the result of increasing acceptance of whooping cough immunisation.

### **Food Poisoning, Enteric Fever.**

There was one case of food poisoning notified during the year.

### **Dysentery.**

There was a small outbreak of dysentery during the year, mainly affecting school children. A total of 52 cases was notified to the Health Department. Dysentery can be largely avoided by ensuring that hands are well washed after using the lavatory. Where an outbreak appears to be imminent, a special hand-washing technique using paper towels and antiseptic is put into operation at the affected schools.

### **Tuberculosis.**

Eleven new cases of pulmonary tuberculosis and two new cases of non-pulmonary tuberculosis were notified during the year. This represented an increase of one over the figure for 1957. There was only one death.

The period elapsing between date of notification and admission to a sanatorium has greatly decreased.

Arrangements have been set up by the County Council for the B.C.G. inoculation of child contacts of tuberculous patients, and where it is possible to remove the child to relatives while it is acquiring protection.



### B.C.G. Skin Testing and Vaccination—School Leavers.

Tuberculin testing followed by B.C.G. vaccination was offered to children in the 13th year age group.

The number of children skin tested was	.....	211
The number of children positive	.....	75
The number of children negative	.....	136
The number of children vaccinated	.....	136

### Diphtheria.

There were no cases of diphtheria during the year.

### Poliomyelitis.

There was only one case of poliomyelitis during the year—a young R.A.F. man stationed at Bawtry. He was not seriously ill and his contacts were kept under surveillance.

### Poliomyelitis Vaccination.

The number of persons who received two injections during 1958 was 2,306.

### Mass Radiography Unit.

During the year the South Yorkshire Area Mass Radiography Unit visited the district, and the Medical Director's report is as follows :—

#### Surveys carried out during 1958.

Date of Survey	Location	Total Examined	Cases of Active Pul. Tb.	Rate per 1,000 Examinees
1958				
January	Albert Hall, LANGOLD	1211	1	.83
	Glass Bulbs Ltd, HARWORTH	472	—	—
	Harworth Colliery, HARWORTH	2483	2	.81



### Infant Mortality.

There were 10 deaths under one year giving an infant mortality rate of 31.6.

**TABLE I.**  
**Comparative Infant Mortality Rates.**

Year	Worksop Rural District	England & Wales
1953	34.1	26.8
1954	30.9	25.5
1955	23.5	24.9
1956	17.6	23.8
1957	17.8	23.0
1958	31.6	22.5

The causes of death are analysed in Table II. It will be seen that four of the ten deaths were due to prematurity.

### SAFETY AND PURITY OF THE WATER SUPPLY.

The Public Health Department ensures by frequent sampling of the water supply in all Parishes, that it is safe to drink.

Each month samples of water are taken from varying sources and submitted to the Public Health Laboratory at Sheffield.

The water supply in the Parishes of Carlton-in-Lindrick, Oldcotes, Hodsock and Wallingwells is derived from the deep bore holes at Sunnyside, Worksop.

In addition to samples being taken in the area of the Worksop Borough, by the Medical Officer of Health, additional samples are also taken by the Borough Engineer, and these are submitted to the laboratory at the Victoria Hospital, Worksop. As a triple check occasional samples are sent to the Royal Institute of Public Health Hygiene in London.

## CLEAN AIR.

Over 700 years ago in this land, coal smoke was regarded as a menace to health.

Some four years ago during the great smog in London, some 4,000 people died as the result of smog.

Public attention was drawn to this by the Beever Committee which was set up to investigate the position and to make recommendations. As the result of their deliberations, the Clean Air Act, 1956, was passed.

This Act makes provision for abating pollution of the air by smoke.

## HOME HELP SERVICE.

The demand for Home Help in the Worksop Rural District increases as the amenities of the service become more widely known.

Home Helps are available for households where domestic help is needed owing to the presence of anyone who is sick, lying-in, an expectant mother, mentally defective, aged or a child not over compulsory school age.

The work undertaken by these women does not include nursing or midwifery duties and they are not used as "sitters-in," but they do the ordinary domestic work usually undertaken by the mother of a family, which may include cleaning, cooking, washing, care of children, mending and shopping.

The charge for the service is 3s. 3d. per hour except where the patient is unable to afford that amount, when the County Council's Scale of Assistance is applied. Home Helps are paid by the County Council and necessary travelling expenses are reimbursed.

Cases needing help should be reported to the Home Help Service, 61, Carlton Road, Worksop—Telephone : Worksop 2884, where the service is administered by a District Organiser and an Assistant.



### NURSING IN THE HOME.

The names and addresses of the District Nurses residing in the Worksop Rural District are as follows :—

Name.	Address.	Tel. No.	Available for
E. Dyson	Willow Dene, Styrrup Road, Harworth	Tickhill 288	Harworth and Styrrup
M. Mowforth	Willow Dene, Styrrup Road, Harworth	Tickhill 288	
N. Richardson	36, Devonshire Road, Harworth	Tickhill 363	
C.W. Walton	16, Markham Road, Langold	N. Carlton 258	Langold Carlton-in-Lindrick Wallingwells
G. Young	High Street, Blyth	Blyth 242	Blyth Oldcotes Hodsock
M. Welch	Ten Row, Cuckney	Warsop 176	Nether Langwith Cuckney Welbeck Holbeck Carburton Norton

### MATERNITY AND CHILD WELFARE.

The clinics for both Ante-Natal and Child Welfare are available as follows :—

#### Harworth, Former Day Nursery Premises, Scrooby Road, Bircotes.

A.N.	Weekly	Friday	2-0 p.m. to 4-30 p.m.
C.W.	Weekly	Monday	2-0 p.m. to 4-30 p.m.
	Weekly	Wednesday	2-0 p.m. to 4-30 p.m.

#### Langold, Temporary School Buildings, Firbeck Crescent.

A.N.	Fortnightly	Tuesday	2-0 p.m. to 4-30 p.m.
C.W.	Weekly	Friday	2-0 p.m. to 4-30 p.m.



**Blyth Memorial Hall.**

A.N. Monthly	Tuesday	2-0 p.m. to 4-30 p.m.
C.W. Fortnightly	Tuesday	2-0 p.m. to 4-30 p.m.

**Carlton-in-Lindrick Village Centre.**

A.N. Fortnightly	Monday	9-30 a.m. to 12 noon.
C.W. Weekly	Wednesday	2-0 p.m. to 4-30 p.m.

**Cuckney Church Hall.**

A.N. Monthly	Thursday	2-0 p.m. to 4-30 p.m.
C.W. Fortnightly	Thursday	2-0 p.m. to 4-30 p.m.

County Midwives are also available throughout the district as follows :—

Name.	Address.	Tel. No.	Available for
M. M. Hawke	14, Percival Street, Worksop	Worksop 3745	Carburton Norton Holbeck
I. Chapman	24, South Parade, Worksop	Worksop 2334	
E. Renshaw	256, Mansfield Road,	Worksop 3824	
E. Saxton	211, Carlton Road, Worksop	Worksop 2961	Welbeck
I. Oliver	25, George Street, Worksop	Worksop 2437	
S. Billing	21, Kipling Close, Worksop	Worksop 3727	
L. Yates	213, Forest Road, Warsop	Warsop 112	Cuckney
B. Parker	Netherfield Lane, Church Warsop	Warsop 95	
J. Goodaker	9, Lindrick Close, Carlton-in-Lindrick	N. Carlton 324	Carlton-in- Lindrick

**SCHOOL MEDICAL SERVICES.**

School and dental clinics are held as given hereunder :—

**School Clinics.****Former Day Nursery Premises—Scrooby Road, Bircotes.**

Tuesdays	9-30 a.m. to 12 noon.
Fridays	9-30 a.m. to 12 noon.
Medical Officer attends Tuesdays.	

**Langold Temporary School Buildings, Firbeck Crescent.**

Tuesdays 9-30 a.m. to 12 noon.

Fridays 9-30 a.m. to 12 noon.

Medical Officer attends Fridays.

**Dental Clinics.****Former Day Nursery Premises—Scrooby Road, Bircotes.**

Tuesday 9-30 a.m. to 12 noon.

1-15 p.m. to 3-45 p.m.

Wednesday 9-30 a.m. to 12 noon.

1-15 p.m. to 3-45 p.m.

Thursday 9-30 a.m. to 12 noon.

1-15 p.m. to 3-45 p.m.

Friday 9-30 a.m. to 12 noon.

By appointment.

**SCHOOL HEALTH SERVICE (ENGLAND AND WALES).**

The School Health Service was founded some 50 years ago. In the early days of the service out of every 1,000 children medically examined 140 were verminous, 130 under-nourished, 100 had defective footwear, 50 had inadequate clothing, 40 had rickets and 30 had heart disease.

The figures for England and Wales for 1957—per 1,000 examined were :—

40 Verminous  
17 Under-nourished  
2 Heart disease  
and NONE had rickets

For the country as a whole, the ravages of infectious disease have been greatly restricted as for example :—

Deaths caused annually in every 1,000,000 children under 15 years of age.	1901-1910	1957
Scarlet Fever—deaths .....	271	Nil
Whooping Cough—deaths .....	815	8
Measles—deaths .....	915	9
Diphtheria—deaths .....	571	Nil



Despite these improvements there are no grounds for complacency since many other problems have to be considered. For example 2,000 children contract tuberculosis each year, and as you know from your television screens, there is a high accident and violent death rate.

There is an increasing amount of dental decay and an insufficient number of dentists in the School Health Service.

### VENEREAL DISEASES.

The Sheffield Regional Hospital Board is responsible for the control and treatment of Venereal Diseases throughout the area. Special Clinics are available as follows :—

#### **Mansfield—held at Mansfield and District Hospital.**

Monday	2-0 p.m. to 4-0 p.m.	Female
	10 a.m. to 12 noon	Male
	5-0 p.m. to 7-0 p.m.	Male
Wednesday	5-0 p.m. to 7-0 p.m.	Female

#### **Workshop—held at Watson Road Clinic.**

Wednesday	10 a.m. to 12 noon	Male & Female
Friday	10 a.m. to 12 noon	Male & Female

#### **Doncaster—held at the Royal Infirmary.**

Monday	9-0 a.m. to 12 noon	Male
	2-0 p.m. to 4-0 p.m.	Male
	4-0 p.m. to 7-0 p.m.	Female
Thursday	9-0 a.m. to 12 noon	Female
	2-0 p.m. to 4-0 p.m.	Female
	4-30 p.m. to 7-0 p.m.	Male
Saturday	9-0 a.m. to 12 noon	By appointment

#### **Gainsborough—held at John Coupland Hospital.**

Friday	6-0 p.m. to 7-0 p.m.	Male & Female
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#### **Sheffield—held at the Royal Infirmary.**

Monday	2-0 p.m. to 7-0 p.m.	Female and Children
	5-0 p.m. to 7-0 p.m.	Male
Thursday	5-0 p.m. to 7-0 p.m.	Male, Female & Children



**Sheffield—held at the Royal Hospital.**

Monday	9-30 a.m. to 12 noon	Male
Tuesday	9-30 a.m. to 12 noon	Female
	4-30 p.m. to 6-30 p.m.	Male
Wednesday	9-30 a.m. to 12 noon	Male
Thursday	9-30 a.m. to 12 noon	Female
Friday	9-30 a.m. to 12 noon	Female
	4-30 p.m. to 6-30 p.m.	Male
Saturday	9-30 a.m. to 12 noon	By appointment

**Sheffield—held at the Jessop Hospital.**

Tuesday	4-0 p.m. to 6-0 p.m.	Female and Children
Thursday	4-0 p.m. to 6-0 p.m.	Female and Children
Saturday	10 a.m. to 12 noon	By appointment

**Sheffield—held at the City General Hospital.**

Tuesday	2-0 p.m. to 4-0 p.m.	Female and Children
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TABLE II.  
CAUSES OF DEATH—INFANTS UNDER 1 YEAR.

CAUSE OF DEATH	AGE																			Total		
	DAYS										MONTHS											
	Under 1	1	2	3	4	5	6	7-13	14-20	21-28	1	2	3	4	5	6	7	8	9		10	11
Prematurity .....	1	2	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
Congen'l Hydrocephanis	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	2
Pulmonary Atelectasis .....	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Asphyxia .....	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	2
Broncho-pneumonia .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1
TOTAL .....	2	3	-	-	-	1	-	-	-	-	-	2	1	-	-	-	-	1	-	-	-	10

TABLE III.  
CASES OF INFECTIOUS DISEASE NOTIFIED DURING THE YEAR 1958.

NOTIFIABLE DISEASES	At all ages	Under 1	1-2	2-3	3-4	4-5	5-10	10-15	15-20	20-35	35-45	45-65	65 and over	Bawtry	Bircotes	Carlton-in-Lindrick	Cuckney	Harworth	Langold	Oldcotes	Costhorpe	Hesley Hall
Measles	6	1	1	2	1	2	1	1	1	1	1	1	1	1	1	5	1	1	1	1	1	1
Pneumonia	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Scarlet Fever	14	1	1	1	1	2	1	10	1	1	1	1	1	1	1	8	1	2	2	1	1	1
Whooping Cough	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Dysentery	52	1	2	5	3	6	13	4	2	10	6	1	1	1	22	12	1	2	8	6	2	1
Food Poisoning	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Paralytic Poliomyelitis	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Erysipelas	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Meningitis	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1



TABLE IV.

## DIPHTHERIA IMMUNISATION.

ANNUAL RETURN FOR THE YEAR ENDED 31st DECEMBER,  
1958.

## WORKSOP RURAL DISTRICT.

Number of children, who had completed a course of diphtheria immunisation at any time between 1st January, 1944 and 31st December, 1958.

AGE ON 31.12.58 (i.e. born in year)	Under 1 1958	1-4 1954-57	5-9 1949-53	10-14 1944-48	Under 15 Total
A. No. of children who completed last course (primary or booster in the period 1954-1958) ....	79	846	1060	113	2098
B. No. of children whose last course (primary or booster) was completed in the period 1953 or earlier ...	—	—	324	1448	1772
Totals ....	79	846	1384	1561	3870

TABLE V.  
**Tuberculosis 1958**

Age Periods in years	New Cases.				Deaths.			
	Pulmonary		Non- Pulmonary		Pulmonary		Non- Pulmonary	
	M	F	M	F	M	F	M	F
0-1	—	—	—	—	—	—	—	—
1-2	—	—	—	—	—	—	—	—
2-3	—	—	—	—	—	—	—	—
3-4	—	—	—	—	—	—	—	—
4-5	—	—	—	—	—	—	—	—
5-10	—	—	—	—	—	—	—	—
10-15	—	—	—	—	—	—	—	—
15-20	—	1	—	—	—	—	—	—
20-35	4	4	1	—	—	—	—	—
35-45	—	—	1	—	—	—	—	—
45-65	2	—	—	—	—	—	—	—
65 and over	—	—	—	—	1	—	—	—
Totals	6	5	2	—	1	—	—	—



**HOUSING.**

	<i>Council</i>	<i>Private Enterprise</i>
The number of new houses completed in the year .....	72	24
The number completed since the end of the war .....	1,005	306
The number of new houses which were let to persons selected by the Health Department for tuberculous reasons and for reasons of overcrowding		Nil

---

During the year 1958, the number of houses represented as being unfit for human habitation was 34 and the number of such houses comprised in Slum Clearance Areas was 12 (Harworth Clearance Area).

The total number of persons in the families involved was .....	69
---	----

PUBLIC HEALTH DEPARTMENT,  
COUNCIL OFFICES,  
HIGHFIELD HOUSE,  
CARLTON ROAD,  
WORKSOP.

### SANITARY INSPECTION OF THE AREA.

Report made to the Medical Officer of Health in pursuance of Article 27 of the Sanitary Officers (Outside London) Regulations, 1935.

C. J. PHILLIPS,  
*Chief Public Health Inspector.*

#### I. INFECTIOUS DISEASE.

The home conditions and possible sources of infection of all cases of notifiable infectious diseases have been investigated following the removal of the patient to hospital. The rooms occupied by the patient are fumigated and the householders are given instructions on the cleansing of the houses and effects, disinfectant fluid is supplied by the Council, free of charge, for this purpose.

Twenty-seven visits were made in connection with fifteen cases of scarlet fever, six cases of Tuberculosis and one case of Meningitis notified during the year.

Three hundred and forty visits were also made in connection with cases of suspected food poisoning, dysentery, contacts, etc.

#### 2. WATER SUPPLIES.

##### (i) Public Supplies.

The greater part of this district has continued to be supplied from six public sources, only one of these—Blyth Waterworks—being under the direct control of the Worksop Rural District Council. The six public sources are as follows :—



		Source of Supply.	Distribution.	Parishes.
1.	Worksop Corporation	Deep boreholes, Sunnyside, Worksop	Gravity Supply from Reservoir, Peaks Hill, Carlton-in-Lindrick	1. Carlton-in-Lindrick 2. Hodsock 3. Oldcotes 4. Wallingwells
2.	Blackwell Rural District Council	Three deep boreholes, Budby	Direct from main at Whaley Thorne from reservoirs at Stoney Houghton	1. Nether Langwith
3.	Don Valley Water Board	Three deep boreholes at Austerfield	Gravity supply from reservoir, Bawtry	1. Part of Harworth
4.	National Coal Board	Deep borehole, South Carr, Harworth	Gravity supply from elevated tank at Harworth	1. Harworth (major part) 2. Styrrup
5.	Welbeck Estates	Deep borehole, Carburton	Gravity supply from storage tank at Clumber and Cuckney	1. Carburton 2. Norton 3. Holbeck 4. Welbeck 5. Cuckney
6.	Worksop Rural District Council	Deep borehole, Blyth	Gravity supply from storage tank, Blyth	Parish of Blyth

In addition to the parish of Blyth, the Rural District Council is the responsible authority for the distribution of the supplies in their area for the parishes of Carlton-in-Lindrick, Hodsock, Styrrup-with-Oldcotes, Nether Langwith and part of Harworth. The National Coal Board undertake distribution of the water to Bircotes Colliery village ; and Welbeck Estates Co. Ltd., is responsible for the parishes of Carburton, Norton, Holbeck, Welbeck and Cuckney.

#### (a) Bacteriological Examination.

Samples of water from the six public supplies were taken regularly throughout the year and the results indicate that a high standard of bacterial purity was maintained.

One hundred and eight samples were taken, one hundred and two of which proved to be satisfactory and six unsatisfactory. The unsatisfactory samples referred to were in respect of :—

The contamination of a reserve overhead storage tank. The storage tank was thoroughly flushed out and in the meantime the rate of chlorination of water passing into the mains was increased. Further samples proved to be satisfactory.

Two other cases of unsatisfactory samples were probably due to disturbance of the mains during repairs ; further samples throughout the distribution areas proved to be satisfactory. Three pre-chlorination samples were taken ; the bacteriological examination reports on these samples were satisfactory.

**(b) Chemical Analysis.**

Two samples of water were obtained for chemical analysis from each of the six public supplies during the year.

The reports on all the samples were satisfactory and the following is a copy of the Analyst's reports on the most recent samples :—

	Workshop Corporation Supply	Workshop R.D.C. Bulk Supply	Welbeck Estates Private Supply
	No. 1	No. 2	No. 3
<b>PHYSICAL CHARACTERS.</b>			
Suspended Matter .....	none	none	faint trace
Appearance of a column 2-ft. long	clear : colourless	clear : slightly yellow	clear : faintly yellow
Taste .....	normal	normal	normal
Odour .....	none	none	none
<b>CHEMICAL EXAMINATION.</b>			
	Parts per Million		
Total Solids dried at 180°C .....	876.0	592.0	308.0
Chlorides in terms of Chlorine .....	150.0	55.0	31.0
Equivalent to Sodium Chloride	247.3	90.6	51.1
Nitrites .....	none	none	none
Nitrates as Nitrogen .....	22.5	20.0	6.50
Poisonous Metals (Lead etc.) .....	none	none	none
Total Hardness .....	244.0	430.0	236.0
Temporary Hardness .....	230.0	208.0	105.0



Permanent Hardness .....	14.0	222.0	131.0
Oxygen Absorbed in 4 hours at 80oF .....	0.44	0.56	0.20
Ammoniacal Nitrogen .....	0.004	0.002	0.004
Albuminoid Nitrogen .....	0.032	0.056	0.024
Free Chlorine .....	none	none	none
pH Value .....	7.6	7.4	7.7

	Blackwell R.D.C. Bulk Supply	N.C.B. Bulk Supply Harworth Colliery	Don Valley Water Board Supply
	No. 4	No. 5	No. 6
PHYSICAL CHARACTERS.			
Suspended Matter .....	none	Faint trace	none
Appearance of a column 2-ft. long	clear :	clear :	clear :
	colourless	colourless	colourless
Taste .....	normal	normal	mornal
Odour .....	none	none	none

	Parts per Million		
CHEMICAL EXAMINATION.			
Total Solids dried at 180oC .....	562.0	410.0	192.0
Chlorides in terms of Chlorine .....	127.0	49.0	17.0
Equivalent to Sodium Chloride	209.4	80.7	28.0
Nitrites .....	none	none	none
Nitrates as Nitrogen .....	6.0	7.96	4.0
Poisonous Metals (Lead etc.) .....	none	none	none
Total Hardness .....	334.0	278.0	15.10
Temporary Hardness .....	144.0	139.0	124.0
Permanent Hardness .....	190.0	139.0	27.0
Oxygen Absorbed in 4 hours at 80oF .....	0.44	0.36	0.24
Ammoniacal Nitrogen .....	0.002	0.040	0.002
Albuminoid Nitrogen .....	0.016	0.024	0.008
Free Chlorine .....	none	none	none
pH Value .....	7.5	7.4	7.6

### **Water Main Extensions.**

Ninety-six additional houses have been supplied with water from the public mains during the year, either in substitution for unsatisfactory supplies or to new houses.

Four water main extensions were carried out during the year, as follows :—

- (1) A 3-in. cast iron water main extended for a distance of 168 yards to supply houses in course of erection by the Council in Rutland Crescent, Harworth.
- (2) A 3-in. cast iron water main extended for a distance of 17 yards to supply houses in course of erection by the Council in Sherwood Crescent, Blyth.
- (3) A 3-in. cast iron water main extended for a distance of 237 yards to supply houses in course of erection by private enterprise on the Langwith Lodge Housing Estate, Nether Langwith.
- (4) A 3-in. cast iron water main extended for a distance of 45 yards to the site of a new school in course of erection at Bircotes in the parish of Harworth.

All the above works were carried out by direct labour.

### **3. DRAINAGE AND SEWERAGE.**

The following extensions of foul and surface water sewers were completed during the year :—

- (1) 137 yards of 6-in. foul water sewer in earthenware pipes were laid by the contractors to serve Council houses in the course of erection at Blyth. 16 yards of 6-in. surface water sewer in earthenware pipes were also laid on this site.
- (2) The construction of the new sewers in connection with the Norton & Cuckney Sewerage & Sewage Disposal Scheme was completed during the year with the laying of 81 yards of 6-in. foul water sewer.

### **Private Sewers.**

The following private sewers have been laid and connected to the public sewers :—



- (1) 183 yards of 6-in. foul water sewer in earthenware pipes were laid to serve houses in course of erection by private enterprise in Ingham Road, Bawtry.
- (2) 153 yards of 6-in. foul water sewer in earthenware pipes were laid to serve houses in course of erection by private enterprise on the Langwith Lodge Estate at Nether Langwith.

#### **Norton and Cuckney Sewerage and Sewage Disposal Scheme.**

The whole of the works and connections to existing house drainage systems in the parishes of Norton and Cuckney were completed and the scheme put into operation during the year.

#### **Harworth Sewage Disposal Works.**

It is with some concern that I have to report upon the proposed extensions and improvements of the above-mentioned works, which have been under active consideration for several years.

The local investigation by the Minister's Inspector was made on the 30th January, 1957, when the proposed scheme prepared by Messrs. Silcock and Simpson (now Messrs. John H. Haiste & Partners), Consulting Engineers, Leeds, was considered in detail.

Following the local investigation by the Inspector, the Ministry requested certain additional information with regard to flows and analyses of sewage at the Works and particularly the trade effluent from the Glass Bulbs Factory. With the free use of hydrofluoric acid at this factory, deposits of fluoride have caused severe problems at the Works and in the sewers. Early in the year, we had to arrange for a mile of 9-in. sewer to be cleansed of heavy deposits of fluorides at Messrs. Glass Bulbs' expense.

A trade effluent of this nature is particularly difficult to deal with, and as it is necessary for an agreement to be entered into between the Council and Glass Bulbs Ltd. for the treatment of their trade waste, under the Public Health (Drainage of Trade Premises) Act, 1937, much time and thought has been given to this matter with advice from Messrs. Richardson & Jaffe, Public Analysts, Bradford. The draft agreement is required by the Ministry at the time the amended drawings for the proposed extension and improvements of the works are submitted, and at the time of writing (August 1959), these final proposals are reaching the stage when a fresh submission may be made to the Ministry.



### **Styrrup-with-Oldcotes Sewerage and Sewage Disposal.**

As reported last year, it is intended to provide main sewerage facilities in the villages of Styrrup and Oldcotes, and Schemes have been formulated by Messrs. John H. Haiste & Partners.

The Scheme proposed for the village of Oldcotes includes also for the village of Firbeck in the Kiveton Park Rural District to be jointly dealt with, and tentative arrangements to this end have been made. The proposal is for the sewage from these two villages to be pumped to the Hodsock Sewage Works for treatment and the detail plans for sewerage Oldcotes, and the necessary improvements of the Hodsock Works have reached the stage when they will be submitted to the Ministry for consideration. Consultations have already taken place with the Trent River Board.

With regard to the village of Styrrup, a separate Scheme to pump the sewage for treatment to Harworth Sewage Disposal Works is intended. Although some preparatory work has been undertaken in this respect, the proposals are dependent upon the improvement and extension Scheme for the Harworth Sewage Works being carried out. Until these have been completed, little further progress can be made with the proposed Scheme for Styrrup.

### **4. CLOSET CONVERSIONS.**

The Council continued to approve a grant to owners of dwelling-houses of 50% of the total cost, but not exceeding £10-0-0d. per dwellinghouse, towards the cost of converting sanitary conveniences of the conservancy type into water closets, where application was made and a contribution recommended under Section 47 of the Public Health Act, 1936.

Contributions towards the cost of conversions were approved in seventeen cases during the year.

Ten conversions were completed during the year, two in the parish of Carlton-in-Lindrick, and four in the parish of Cuckney.

### **5. PUBLIC CLEANSING.**

Scavenging services were operated by direct labour throughout the district.

The service consisted of the weekly emptying of dustbins and pail closets, and the cleansing of privies and ashpits every six weeks.

The number and type of these receptacles is as follows :—

Dustbins .....	4,931
Pail Closets .....	389
Privy Middens .....	102
Ashpits .....	49

Controlled tipping was carried out as far as possible.

Routine treatments of refuse tips were carried out during the year to prevent nuisance from rats etc.

The Council maintained and operated two Austin refuse collection vehicles and two Shelvoke & Drewry vehicles of 16/18 cubic yard and 13 cubic yard capacity.

Twenty men were employed on an average throughout the year on refuse collection and disposal.

The following work was carried out by the Cleansing Department during the year :—

Population served in all parishes .....	17,490
Total number of premises given regular service .....	5,133
Total number of dustbins emptied during the year .....	287,105
Total number of pail closets emptied during the year .....	26,693
Total number of ashpits emptied during the year .....	487
Total number of privy middens emptied during the year .....	1,319
Mileage travelled by the four vehicles .....	44,197
Cost of operation of the cleansing service by direct labour for the year ended 31/3/59 .....	£13,130
(including £700 lorry reserve fund)	
Cost of operation of the cleansing service by direct labour for the year ended 31/3/58 .....	£12,762
(including £700 lorry reserve fund)	

## 6. INFESTATION.

### (a) Bed Bugs.

Only two cases of infestation of bed bugs came to the notice of the Department during the year.



The treatment consisted of the removal of all skirting boards, picture rails, architraves etc., followed by thorough spraying with insecticide containing D.D.T. repeated until complete disinfection was achieved.

No cases of infestation were found in Council houses.

**(b) Rodent Control.**

One of the Council's labourers, trained in the approved methods of control is engaged on this work as and when necessary.

Periodic treatment of all refuse tips, sewage disposal works, and other lands and premises owned or occupied by the Council continued to be carried out throughout the year.

Disinfection work for occupiers of dwellinghouses was carried out free of charge. A charge of 6/-d. per hour which was later in the year increased to 7/6d. per hour was made in respect of treatments carried out at business and agricultural premises.

During the year 163 infestations were dealt with, 145 of these were in connection with dwellinghouses.

**Sewer Treatment.**

The usual twice yearly treatment of the main sewerage systems in the district was carried out. One hundred and nineteen man-holes were test baited during the year and it was found necessary to deal with seven minor infestations.

**7. MILK SUPPLIES.**

The number of registrations and inspections under the Milk and Dairies Regulations, 1949, was as follows :—

	<i>Distributors</i>	<i>Dairies</i>
No. on Register at the end of year .....	17	3
No. of inspections during the year .....	41	7
No. of defects or unsatisfactory conditions found .....	—	—
No. of defects or unsatisfactory conditions remedied .....	—	—

**The Milk (Special Designation) (Pasteurised & Sterilised Milk) Regulations, 1949-1953.**

No. of licences in operation at the end of the year for the sale of :—

(a) Pasteurised milk	.....	.....	.....	15
(b) Sterilised milk	.....	.....	.....	13

**The Milk (Special Designation) (Raw Milk) Regulations, 1949.**

No. of licences in operation at the end of the year for the sale of Tuberculin Tested milk	.....	.....	.....	13
--	-------	-------	-------	----

**Samples of Milk.**

During the year twenty-five samples of pasteurised milk were taken and submitted to the Public Health Laboratory for the tests prescribed by the Regulations. All the samples satisfied the standard demanded for pasteurised milk.

Thirteen samples of sterilised milk were also taken. The report on each of these samples was also satisfactory.

**8. MEAT AND OTHER FOODS.**

Four slaughterhouses were licensed in the district but most of the local butchers continued to obtain the bulk of their dressed meat carcasses from wholesalers outside the district.

The following table is a record of the slaughtering and inspection carried out during the year :—

		Cattle excl. Cows	Cows	Calves	Sheep & Lambs	Pigs	Horses
Number killed	.....	238	1	—	219	99	—
Number inspected	.....	238	1	—	219	99	—
<b>All diseases except Tuberculosis and Cystecerci</b>							
Whole carcasses condemned	.....	—	—	—	—	—	—



Carcases of which some part or organ was condemned .....	7	—	—	—	3	—
--	---	---	---	---	---	---

Percentage of the number inspected affected with disease other than tuberculosis and cysticerci .....	2.9%	—	—	—	3%	—
---	------	---	---	---	----	---

**Tuberculosis only :**

Whole carcasses condemned .....	1	—	—	—	—	—
---------------------------------	---	---	---	---	---	---

Carcases of which some part or organ was condemned .....	12	—	—	—	1	1
--	----	---	---	---	---	---

Percentage of the number inspected affected with Tuberculosis .....	5.5%	—	—	—	1%	—
---	------	---	---	---	----	---

**Cysticercosis**

Carcases of which some part or organ was condemned .....	2	—	—	—	—	—
--	---	---	---	---	---	---

Carcases submitted to treatment by refrigeration .....	—	—	—	—	—	—
--	---	---	---	---	---	---

Generalised and totally condemned .....	—	—	—	—	—	—
---	---	---	---	---	---	---

The total weight of meat condemned was 1,072 lbs.

Licences to slaughter or stun animals were renewed in respect of fifteen slaughtermen.

Particulars of foods (other than raw meat) surrendered or seized during the year :—

Nature of Food Condemned.				Reason for Condemnation.	Quantity.
Meat	.....	.....	.....	Tins blown, pierced or crushed	91 tins
Fruit	.....	.....	.....	do.	133 tins
Tomatoes	.....	.....	.....	do.	173 tins



Vegetables	.....	do.	17 tins
Fish	.....	do.	27 tins
Soup	.....	do.	5 tins
Milk	.....	do.	16 tins
Miscellaneous	.....	do.	4 tins
Jam	.....	Glass containers broken	28 jars
Marmalade	.....	do.	10 jars
Lemon Curd	.....	do.	4 jars
Sauce	.....	do.	10 jars
Coffee	.....	do.	2 jars
Fish Paste	.....	do.	4 jars
Bacon	.....	Decomposition commenced	34 lbs.
Ham	.....	do.	15 lbs.
Pork	.....	do.	120 lbs.
Cooked Meats	.....	do.	10 lbs.
Sausage	.....	do.	165 lbs.
Tomatoes	.....	do.	18 lbs.
Cheese	.....	Mould formation	106 lbs.
Dried Fruits	.....	do.	10 lbs.
Butter and Margarine	.....	Rancid	14 lbs.
Total weight—1,105 lbs.			

#### 9. FOOD & DRUGS ACT, 1955—SECTION 16.

The number of premises registered under Section 16 of the Food & Drugs Act, 1955, were as follows :—

For the storage and sale of ice cream	.....	30
For the preparation or manufacture of sausages etc.	.....	7

#### 10. FOOD HYGIENE REGULATIONS, 1955-56.

Total number of inspections of food premises	.....	103
Number of defects or unsatisfactory conditions found	.....	77
Number of defects or unsatisfactory conditions remedied during the year	.....	73

## II. HOUSING.

Inspections of dwellinghouses were made under the Public Health and Housing Acts, and informal notices served where necessary.

Details of inspections are as follows :—

Total number of houses inspected .....	90
Number of inspections made for the purpose .....	135
Number of informal notices served .....	29
Number of notices complied with .....	29

### Action taken under the Housing Act, 1957.

Number of unfit houses in Clearance Area confirmed during the year (Section 42 of the Housing Act, 1957) .....	12
Number of unfit houses in respect of which representations were made to the Council under Section 16 of the Housing Act, 1957 .....	22
Number of houses in respect of which Demolition Orders were made .....	10
Number of houses in respect of which an undertaking was accepted from the owners to repair or recondition .....	1
Number of houses in respect of which an undertaking was accepted from the owners to cease use for human habitation .....	5
Number of houses made fit as a result of formal action under Section 16 .....	4
Number of families displaced from unfit houses during the year .....	8 (24 persons)
Number of families (included above) rehoused by the Council .....	6 (14 persons)

### New Houses.

A total of 72 houses were completed by the Council, and occupied, during 1958, as follows :—



## PARISH OF BLYTH.

6 traditional type houses and 4 bungalows for aged persons.  
(1 of these houses and 2 bungalows were for rehousing  
persons from unfit houses).

## PARISH OF CARLTON-IN-LINDRICK.

36 traditional type houses.

## PARISH OF HARWORTH.

26 traditional type houses. (3 of these houses were  
for rehousing persons from unfit houses).

The following is a summary of the Council's post war construction programme at the 31st December, 1958 :—

		Aluminium					Total
		Tradi- tional	Swedish Timber	Bungalows Temp.	Perm.	Aireys	
Houses completed by contract for Local Authority .....	807	8	40	40	82		977
Houses completed by Small Builders' Scheme	28	—	—	—	—		28
Houses under construction by contract for Local Authority .....	18	—	—	—	—		18

**Houses constructed by private enterprise.**

Twenty-three houses were erected by private enterprise and occupied during the year.

**12. SANITARY INSPECTION OF THE AREA—SUMMARY.**

Housing .....	459
Caravans and other temporary structures .....	8
Infectious disease .....	367
Verminous houses .....	2
Other infestations .....	7
Food premises .....	103
Meat and other food .....	510

Samples of food .....	19
Slaughterhouses .....	163
Milk distributors, Dairies, samples, etc. ....	63
Water supplies, samples and investigations .....	127
Sewage samples .....	68
Ice cream premises, samples, etc. ....	27
Rodent control .....	111
Nuisances .....	26
Conversions .....	15
Drainage, sanitary accommodation, etc. ....	102
Disinfection, fumigation, etc. ....	18
Factories .....	25
Public Cleansing .....	143
Miscellaneous .....	217
Re-inspections .....	259
Total .....	<u>2,839</u>

### 13. INFORMAL ACTION.

Total number of complaints received or recorded .....	29
Total number of informal notices served during the year .....	63
Total number of informal notices complied with .....	61



CHAPTER 10  
THEORY OF THE  
EARTH  
The earth is a  
spherical body  
of which the  
surface is  
divided into  
four parts  
called the  
hemispheres  
by two great  
circles called  
the equator  
and the  
meridian.  
The equator  
divides the  
earth into  
the northern  
and southern  
hemispheres.  
The meridian  
divides the  
earth into  
the eastern  
and western  
hemispheres.  
The four  
parts are  
called the  
quarters of  
the world.  
The northern  
quarter is  
called the  
north  
quarter.  
The southern  
quarter is  
called the  
south  
quarter.  
The eastern  
quarter is  
called the  
east  
quarter.  
The western  
quarter is  
called the  
west  
quarter.

#### CHAPTER 11 INTERNAL ACTION

THE study of  
the internal  
action of the  
earth is  
called  
geology.  
The study  
of the  
history of  
the earth  
is called  
geography.  
The study  
of the  
minerals  
of the  
earth is  
called  
mineralogy.  
The study  
of the  
plants  
of the  
earth is  
called  
botany.  
The study  
of the  
animals  
of the  
earth is  
called  
zoology.  
The study  
of the  
human  
race is  
called  
anthropology.  
The study  
of the  
laws  
of the  
earth is  
called  
geology.





