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CITY OF DURHAM

ANNUAL REPORT

OF THE

MEDICAL OFFICER OF HEALTH

INCORPORATING THAT OF THE

CHIEF PUBLIC HEALTH INSPECTOR

FOR THE YEAR

1970

G. BAILES & SONS, PRINTERS, DURHAM

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FOR THE YEAR

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- \*Councillor R. B. CARR (Deputy Mayor).
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- \*Councillor R. H. JOHNSON.

\* Members of the Health Committee.

## PUBLIC HEALTH OFFICERS OF THE AUTHORITY.

HEALTH DEPARTMENT,

80, CLAYPATH,

*Telephone:* Durham 3520.

DURHAM.

## MEDICAL OFFICER OF HEALTH:

R. GORDON DRUMMOND, D.L., M.B., Ch.B., D.P.H., (Also Medical Officer of Health, Durham Rural District, Brandon and Byshottles Urban District, Spennymoor Urban District, Assistant County Medical Officer, County Durham).

## CHIEF PUBLIC HEALTH INSPECTOR:

LESLIE OATES, M.A.P.H.I., Cert.R.S.H.

## DEPUTY CHIEF PUBLIC HEALTH INSPECTOR:

ALAN MORGAN, Cert.P.H.I., Educ.BD., Cert.R.S.H.

## ADDITIONAL PUBLIC HEALTH INSPECTOR:

CHRISTOPHER JOHNSTON, M.A.P.H.I.

## CLERICAL STAFF:

MRS. J. WILBY, Clerk.

MISS S. R. SMITH, Shorthand Typist.

## RODENT OPERATIVE:

MR. A. FOX.

Mr. Chairman, Ladies and Gentlemen,

It will be seen from the following report there was little occurrence of notifiable disease apart from that of measles.

This low incidence of notifiable disease follows the pattern of recent years and is very satisfactory and particularly so in the case of diphtheria. In fact no case of diphtheria has occurred within the City area since the year 1954. There is no doubt that the immunisation of children against this serious disease has been most successful but the need for control by immunisation is still very important if this fortunate position is to be maintained.

The health services as they apply to the City have functioned satisfactorily during the year 1970 and this also applies to the invaluable voluntary work carried out on behalf of the elderly people.

City Health Department,

23rd August, 1971.

## SUMMARY OF STATISTICS.

LIVE BIRTHS.							
Number...	...	...	...	...	...	...	327
Rate per 1,000 population	...	...	...	...	...	...	15.2
ILLEGITIMATE LIVE BIRTHS per cent of total live births							5.0
STILL BIRTHS.							
Number...	...	...	...	...	...	...	4
Rate per 1,000 total live and still births	...	...	...	...	...	...	12.1
TOTAL LIVE AND STILL BIRTHS ...							331
INFANT DEATHS (deaths under 1 year) ...							9
INFANT MORTALITY RATES.							
Total infant deaths per 1,000 total live births	...	...	...	...	...	...	28.0
Legitimate infant deaths per 1,000 legitimate live births...	...	...	...	...	...	...	29.0
Illegitimate infant deaths per 1,000 illegitimate live births	...	...	...	...	...	...	Nil
NEO-NATAL MORTALITY RATE (deaths under 4 weeks per 1,000 total live births) ...							18.3
EARLY NEO-NATAL MORTALITY RATE (deaths under 1 week per 1,000 total live births) ...							18.3
PERINATAL MORTALITY RATE (stillbirths and deaths under 1 week combined per 1,000 total live and still births) ...							30.2
MATERNAL MORTALITY (including abortion)							
Number of deaths	...	...	...	...	...	...	Nil
Rate per 1,000 total live and still births	...	...	...	...	...	...	Nil
Area in acres	...	4,578.	...	...	...	...	
Registrar-General's estimate of resident population :—25,750.							
Number of inhabited houses end of 1970—7,430.							
Rateable value :—1969 :—£1,140,388      1970 :—£1,316,422							
Sum represented by a 1d. rate, 1969 :—£4,803. 11s. 1d. 1970 :—£5,057. 13s. 9d.							



## NATURAL AND SOCIAL CONDITIONS.

*Area.*

4,578 Acres. The City borders on the North, East and South with Durham Rural District and on the West with Brandon and Byshottles Urban District.

*Population.*

The Registrar General's estimate of the mid-year population is 25,750 a decrease of 30 from 1969.

*Inhabited Houses.*

The number of inhabited houses is 7,430.

## VITAL STATISTICS.

Registrar General's area comparability factors:—

Births 1·20.

Deaths 1·04.

*Births.*

During the year 327 live births were registered. 169 males and 158 females. Of these 16 were illegitimate.

There were 28 more births than in 1969.

The birth rate (adjusted) of 15·2 is above that for last year.

*Deaths.*

Death rate per 1,000 population (adjusted)	...	12·7
--	-----	------

Deaths from Cancer (all ages)	... ..	59
-------------------------------	--------	----

Deaths from Measles (all ages)	... ..	—
--------------------------------	--------	---

Deaths from Whooping Cough (all ages)	... ..	—
---------------------------------------	--------	---

315 deaths were registered, 26 more than in 1969 and the death rate (adjusted) of 12·7 is the same as that for 1969.

The table of causes of death shows that Diseases of the Heart and Circulation accounted for 169 of the deaths registered, or 54%.

Deaths from Cancer number 59 compared with 57 in 1969.

75% of all deaths occurred in persons over the age of 65.

*Infant Mortality:* (Deaths of children under 1 year of age).

The rate is 28·0 per 1,000 live births. Last year this rate was 3·0.

The figure for England and Wales for 1970 is 18·0.

Nine children died before reaching one year of age, six being less than one week old and three aged between one month and three months.

The actual numbers for the past 10 years are :—

1961	...	...	5	1966	...	...	2
1962	...	...	8	1967	...	...	3
1963	...	...	6	1968	...	...	3
1964	...	...	8	1969	...	...	1
1965	...	...	4	1970	...	...	9

and these numbers should be read in conjunction with the rates given in the table and should be borne in mind in assessing the change in the rate over the years. As the numbers of infant deaths each year are comparatively small, too great significance should not be attached to a single rate.

Consideration of the infant mortality is not complete without consideration at the same time of the still births. The number of still births and the number of deaths in the first week of life taken together represent the mortality occurring at or about the time of birth—the perinatal mortality rate, the combined still-births and deaths in the first week of life per 1,000 total births.

In the year under review this was 30·2.

The following table shows the perinatal mortality rate in recent years compared with the rates for Durham County and England and Wales :—

	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970
Durham City	23.9	26.2	23.1	29.4	31.1	15.2	14'4	18.0	13.0	30.2
Durham County ...	35.7	35.7	32.4	33.5	30.7	28.6	26.6	25.9	26.0	25.0
England and Wales ...	32.3	30.8	29.3	28.2	26.9	26.3	25.4	25.0	23.0	23.0

*Maternal Mortality.*

There were no maternal deaths during the year.

## DEATHS AT VARIOUS AGE PERIODS.

	All ages.	0—1	1—	5—	15—	25—	35—	45—	55—	65—	75 and Over.
M	152	3	—	—	2	1	3	13	32	45	53
F	163	6	—	—	—	2	4	2	12	37	100
	315	9	—	—	2	3	7	15	44	82	153

## INFANT MORTALITY.

Cause of Death.	Under 1wk.	1—2 wks.	2—3 wks.	3—4 wks.	Total under 1 mth.	1—3 mths.	3—6 mths.	6—9 mths.	9—12 mths.	Total
Cardiac Failure ...	1	—	—	—	1	—	—	—	—	1
Breech Delivery ...	1	—	—	—	1	—	—	—	—	1
Congenital Heart Disease ...	—	—	—	—	—	1	—	—	—	1
Prematurity ...	1	—	—	—	1	—	—	—	—	1
Cerebral Anoxia ...	3	—	—	—	3	—	—	—	—	3
Acute Pneumonia ...	—	—	—	—	—	2	—	—	—	2

VITAL STATISTICS FOR THE DISTRICT FOR 1970 AND PREVIOUS YEARS. COMPARATIVE TABLE  
WITH ENGLAND AND WALES AND WITH DURHAM COUNTY FOR PAST TEN YEARS.

Year.	Birth Rate per 1,000 population.		Death Rate per 1,000 population.		Infant Mortality Rate per 1,000 Live Births.			
	Durham City.	England & Wales.	Durham County	Durham City.	England & Wales.	Durham City.	England & Wales. County	Durham County
1960	13.8	17.1	17.8	11.6	11.5	35.5	22.2	27.7
1961	13.0	17.4	17.4	10.7	12.0	17.3	21.9	23.4
1962	13.3	18.0	17.4	13.4	11.9	26.5	21.6	26.1
1963	13.8	18.2	17.8	11.5	12.2	20.1	21.6	22.4
1964	13.8	18.4	18.3	10.2	11.3	24.4	21.1	22.9
1965	16.3	18.1	18.1	12.7	11.5	12.7	20.0	20.6
1966	16.1	17.7	17.3	11.6	11.7	6.2	19.0	21.0
1967	17.2	17.2	17.0	12.5	11.2	8.9	18.3	20.7
1968	15.9	16.9	16.1	11.5	11.9	9.1	18.0	20.0
1969	13.9	16.3	15.5	12.7	11.9	3.0	18.0	16.0
Mean for 10 years 1960-69	14.7	17.5	17.2	11.8	11.7	16.3	20.1	22.0
1970	15.2	16.0	15.6	12.7	11.7	28.0	18.0	19.0

## CAUSES OF DEATH IN DURHAM BOROUGH, 1970.

Cause of Death.	Total	M.	F.
ALL CAUSES ... ..	315	152	163
Tuberculosis of respiratory system ... ..	1	1	—
Malignant neoplasm—buccal cavity ... ..	1	1	—
Malignant neoplasm—oesophagus ... ..	3	1	2
Malignant neoplasm—stomach ... ..	10	6	4
Malignant neoplasm—intestine ... ..	6	3	3
Malignant neoplasm—larynx ... ..	2	1	1
Malignant neoplasm—lung, bronchus ... ..	15	14	1
Malignant neoplasm—breast ... ..	2	—	2
Malignant neoplasm—prostate ... ..	1	1	—
Other malignant neoplasms, etc. ... ..	18	11	7
Benign and unspecified neoplasms ... ..	2	1	1
Diabetes mellitus ... ..	5	2	3
Anaemias ... ..	1	1	—
Other diseases of blood, etc. ... ..	1	1	—
Multiple sclerosis ... ..	1	—	1
Chronic rheumatic heart disease ... ..	6	—	6
Hypertensive disease ... ..	5	—	5
Ischaemic heart disease ... ..	87	53	34
Other forms of heart disease ... ..	7	3	4
Cerebrovascular disease ... ..	53	15	38
Other diseases of circulatory system ... ..	11	3	8
Influenza ... ..	2	1	1
Pneumonia ... ..	38	13	25
Bronchitis and emphysema ... ..	8	6	2
Asthma ... ..	2	1	1
Other diseases of respiratory system ... ..	3	2	1
Intestinal obstruction and hernia... ..	1	—	1
Other diseases of digestive system ... ..	3	1	2
Nephritis and nephrosis ... ..	1	1	—
Other diseases, genito-urinary system ... ..	1	1	—
Diseases of musculo-skeletal system ... ..	3	2	1
Congenital Anomalies ... ..	2	1	1
Birth Injury, difficult labour, etc. ... ..	2	1	1
Other causes of perinatal mortality ... ..	3	—	3
Symptoms and ill-defined conditions ... ..	1	—	1
Motor vehicle accidents ... ..	2	1	1
All other accidents ... ..	5	2	3
All other external causes ... ..	1	1	—

## NOTIFIABLE DISEASES.

*Prevalence of, and control over, Infectious and other Diseases.*

*Scarlet Fever* : There were four notifications of scarlet fever.

*Whooping Cough* : There were four cases notified.

*Acute Poliomyelitis* : There were no cases notified. (As in the previous year.)

*Vaccinations against Poliomyelitis* : The tables show the numbers protected in the City (by year of birth).

## POLIOMYELITIS ' ORAL ' VACCINE

## COMPLETED PRIMARY COURSES.

Year of Birth.					Others under Age 16	Total.
1970	1969	1968	1967	1963-66		
2	270	29	4	31	1	337

## REINFORCING DOSES.

Year of Birth					Others under Age 16	Total.
1970	1969	1968	1967	1963-66		
—	1	—	—	153	12	166

*Measles*: 152 cases were notified in comparison with 52 last year.

There were no deaths.

*Diphtheria*: For the eighteenth successive year there were no cases of diphtheria.

The County Medical Officer of Health arranges that propaganda leaflets drawing attention to the need for children to be protected against smallpox, whooping cough and diphtheria are sent to parents by post when their children attain the age of three months. Further propaganda regarding immunisation against diphtheria is despatched when children are one year old and again at four years and nine months. All such propaganda gives details of the facilities available for vaccination and immunisation.

*Dysentery*: There were no cases notified.

*Meningococcal Infection*: One case was notified from hospital following admission from elsewhere.

*Food Poisoning*: There were no cases notified.

*Tuberculosis*: There were two cases of pulmonary tuberculosis notified, (three in 1969).

There was one case notified of non-pulmonary tuberculosis.

There were no deaths from the disease.

*B.C.G. Vaccination of older school children*: 1970 was the thirteenth year in which B.C.G. Vaccination against tuberculosis of certain groups of school children attending schools in the City was carried out, although, of course, this type of protection has been offered for many years to home contacts of the disease and to certain other groups.

The Heaf Multiple Puncture skin test was used.

The following table shows the numbers involved:—

No. Consented	Given Skin Test.		Positive Reactors.		Negative Reactors Given B.C.G.		Absent at Time of Reading.	
	No.	%	No.	%	No.	%	No.	%
570	520	91.22	35	6.73	465	89.42	18	3.46

## NOTIFIABLE DISEASES REPORTED DURING THE YEAR

DISEASE.	Total Cases Notified.	Cases admitted to Hospital.	Deaths.
Scarlet Fever .....	4	—	—
Whooping Cough .....	4	—	—
Acute Poliomyelitis	—	—	—
Paralytic .....			
Non-Paralytic .....	—	—	—
Measles .....	152	—	—
Diphtheria .....	—	—	—
Pneumonia .....	—	—	38
Dysentery .....	—	—	—
Smallpox .....	—	—	—
Acute Encephalitis	—	—	—
Infective .....			
Post-Infectious .....	—	—	—
Typhoid Fever .....	—	—	—
Paratyphoid Fever .....	—	—	—
Erysipelas .....	—	—	—
Meningococcal infection	1	1	—
Food Poisoning .....	—	—	—
Puerperal Pyrexia .....	—	—	—
Ophthalmia Neonatorum	—	—	—
Malaria .....	—	—	—
Infective Jaundice .....	7	—	—

## INFECTIVE JAUNDICE

There were notified seven cases their distribution by age and sex being as follows:—

Age	Male	Female
1- ... ..	—	—
2-4 ... ..	2	—
5-9 ... ..	1	2
10-14 ... ..	—	—
15-19 ... ..	—	—
20-24 ... ..	—	1
25-35 ... ..	—	1
35-44 ... ..	—	—
45-54 ... ..	—	—
55-64 ... ..	—	—
65-74 ... ..	—	—
75+ ... ..	—	—



## TUBERCULOSIS.

AGE PERIODS.	NEW CASES.				DEATHS.			
	Pulmonary.		Non-Pulmonary.		Pulmonary.		Non-Pulmonary.	
	M.	F.	M.	F.	M.	F.	M.	F.
0 — 1 .....	—	—	—	—	—	—	—	—
1 — 5 .....	—	—	—	—	—	—	—	—
5 — 10 .....	—	—	—	—	—	—	—	—
10 — 15 .....	—	—	—	—	—	—	—	—
15 — 20 .....	—	—	—	—	—	—	—	—
20 — 25 .....	—	—	—	—	—	—	—	—
25 — 35 .....	—	1	—	—	—	—	—	—
35 — 45 .....	—	—	1	—	—	—	—	—
45 — 55 .....	—	—	—	—	—	—	—	—
55 — 65 .....	—	—	—	—	—	—	—	—
65 and Upwards ....	1	—	—	—	—	—	—	—
TOTALS .....	1	1	1	—	—	—	—	—

## NEW CASES AND DEATHS IN PAST 10 YEARS

	Pulmonary.		Non-Pulmonary.	
	New cases.	Deaths.	New cases.	Deaths.
1960 ... ..	8	2	—	1
1961 ... ..	11	1	—	—
1962 ... ..	6	1	3	—
1963 ... ..	3	—	—	—
1964 ... ..	3	—	2	—
1965 ... ..	7	—	1	—
1966 ... ..	7	—	—	—
1967 ... ..	9	—	1	—
1968 ... ..	4	—	1	—
1969 ... ..	3	—	—	—
Average for 10 years ...	6	—	—	—
1970 ... ..	2	—	1	—

## CASES OF TUBERCULOSIS ON REGISTER

	Pulmonary.		Non-Pulmonary.		Total.	
	M.	F.	M.	F.	M.	F.
31st December, 1969 .....	64	49	10	6	74	55
31st December, 1970 .....	66	50	11	6	77	56

**IMMUNISATION AND VACCINATION 1970.**  
(numbers by year of birth)

REINFORCING DOSES.

COMPLETED PRIMARY COURSES.

	Year of Birth				Total	Others under Age 16	Year of Birth				Total	Others under Age 16	
	1970	1969	1968	1967			1963-66	1970	1969	1968			1967
<b>DIPHTHERIA</b>													
2	269	29	2	4	322	16	—	1	18	12	186	62	279
<b>WHOOPING COUGH</b>													
2	269	29	2	3	307	2	—	1	18	12	54	5	90
<b>TETANUS</b>													
2	269	29	2	4	332	26	—	1	18	12	187	94	312

**SMALLPOX.**

*Primary Vaccinations.*

*Re-Vaccinations.*

	1	2-4	5-15	Total	1	2-4	5-15	Total
	Under 1	176	17	10	207	—	5	22

## CHIROPODY SERVICE FOR OLD PEOPLE.

*Report for the year ending December, 1970.*

### GILESGATE CENTRE.

#### *Introduction.*

1970 was the seventeenth year of operation of this Chiropody Clinic conducted at the Vane Tempest Hall, Gilesgate, on behalf of the Durham Old People's Welfare Association.

Sessions were held on Monday, Tuesday and Wednesday afternoons, nine appointments being made for each session.

Mr. E. L. Chambers, M.Ch.S. continued as Chiropodist.

#### *Voluntary Assistance.*

The British Red Cross Society provided a total of 429 hours attendance.

#### *Treatment.*

During the year clinics were held on 143 days during which there were 143 clinic sessions of three hours.

At the full number of nine per session this would have allowed 1,287 treatments, but there were 136 missed appointments so that the actual number given was 1,151 or 89% of the possible.

The average number of treatments given at each session was 8.0.

The number of persons on the list on the 1st January, 1970 was 192 and 189 on the 31st December, there having been 15 new patients and 18 withdrawals during the year.

### SHAKESPEARE HALL CENTRE.

#### *Introduction.*

This was the fourteenth year of operation of this Chiropody Clinic which is held at the Shakespeare Hall in North Road, Durham.

Like the one at Gilesgate it is conducted on behalf of the Durham Old People's Welfare Association and Mr. E. L. Chambers, M.Ch.S. is the Chiropodist.

Sessions were held on Monday, Tuesday and Wednesday mornings each week.

*Voluntary Assistance.*

The British Red Cross Society provided a total of 426 hours attendance.

*Treatment.*

Clinics were held on 142 days, there being 142 clinic sessions of three hours. 1,278 treatments would have been possible, but there were 93 missed appointments so that the number given was 1,185 or 93% of the possible.

The average number of treatments given each session was 8.3.

There were 202 patients on the books on the 1st January, 1970 and 220 on the 31st December, 41 new names having been added and 23 withdrawn.

SUMMARY	<i>Gilesgate.</i>		<i>Shakespeare Hall.</i>	
	<i>1969</i>	<i>1970</i>	<i>1969</i>	<i>1970</i>
Sessions ... ..	140	143	139	142
Days on which sessions held ...	140	143	139	142
Treatments given :				
Possible ... ..	1,260	1,287	1,251	1,278
Actual ... ..	1,113 (88%)	1,151 (89%)	1,177 (94%)	1,185 (93%)
Treatments per session :				
Possible ... ..	9	9	9	9
Actual Average ... ..	7.9	8.0	8.4	8.3
Hours by Red Cross Voluntary Workers ... ..				
	420	429	417	426

## REMARKS.

The figures upon which this report is based are extracted from the Clinic Records which are kept by the British Red Cross Society.

The operation of the scheme in its present form is made possible by the aid given to the Durham Old People's Welfare Association from various sources, the financial aid coming from Durham County Council.

## DOMICILIARY LAUNDRY SERVICE FOR OLD PEOPLE.

This service which was commenced during 1957 has the aim of helping elderly, infirm, and ill persons in the area. It is provided by the British Red Cross Society, the Hospital Authority and the Local Health Authority (Durham County Council) acting in conjunction.

There were 25 households being served at the beginning of the year and 20 at the year end.

## LUNCHEON CLUBS

The Luncheon Clubs at Hallgarth Street, Crossgate and Gilesgate continued to function satisfactorily, the numbers attending being approximately 25, 24 and 25 respectively on each occasion.

Lunch is served on Tuesdays and Thursdays each week at Hallgarth Street and Crossgate at a charge of 1/6 per meal and on Wednesdays and Fridays at Gilesgate at a charge of 1/- for the meal and 6d. for a cup of tea.

The scheme is operated by the Women's Royal Voluntary Service for the Durham City Old People's Welfare Committee. The deficiency in the running cost of the service is shared between the City and County Councils.

## GENERAL PROVISION OF HEALTH SERVICES.

1. *Public Health Services of the Local Authority.*
2. *Laboratory Services.*
  - (i) Dryburn Hospital, Department of Pathology.
  - (ii) Public Health Laboratory, General Hospital, Westgate Road, Newcastle.
  - (iii) County Analyst, County Hall, Durham.
3. *General Medical Services.*

Durham County Executive Council, Green Lane, Old Elvet,  
Durham

Eleven medical practitioners in general practice reside in the City and an approximately equal number who reside elsewhere have part of their practices within it.
4. *Newcastle Regional Hospital Board.*

Benfield Road, Walkergate, Newcastle, 6.

*Durham Hospital Management Committee, Dryburn Hospital  
Durham.*

(a) *General.*

- (i) Dryburn Hospital, Durham.
- (ii) County Hospital, Durham.
- (iii) St. Margaret's Hospital, Durham (Long Stay).

(b) *Maternity.*

- (i) Dryburn Hospital.

(c) *Infectious.*

- (i) Queen Elizabeth Hospital, Sheriff Hill, Gateshead.
- (ii) Chester-le-Street Highgate Hospital.
- (iii) Langley Park Isolation Hospital (Emergency Fever Reserve).

(d) *Tuberculosis.*

- (i) Chest Clinic, Dryburn Hospital, Durham.
- (ii) Mass Miniature Radiography Unit, Dryburn Hospital, Durham.

(e) *Mental.*

- (i) Winterton Hospital, Sedgefield.
- (ii) Aycliffe Hospital.
- (iii) Prudhoe and Monkton Hospital.
- (iv) Earl's House Hospital.

(f) *Venereal Diseases Clinic.*

General Hospital, Newcastle upon Tyne.

5. *Local Health Authority Health Services, Durham County Council*

(a) *School Health Services.*

The school clinic is situated at Kepier Crescent.

(b) *Ambulance Services.*

The ambulance control is situated at County Ambulance Headquarters, Framwellgate Moor, Durham, and there are twelve ambulances.

In an emergency any responsible person may summon an ambulance by telephone by asking to be connected to the nearest ambulance control (no telephone number need be given).

<i>Stretcher cases.</i>	<i>Sitting cases.</i>	<i>Total.</i>	<i>Mileage.</i>
7,146	32,065	39,211	240,925

(These figures include work done in the Brandon Urban District and Durham Rural District).

(c) Home Nursing.

Three nurses, all residing in the City, are engaged in this work.

<i>Visits made by District Nurses.</i>	<i>Cases</i>	<i>Visits.</i>
(a) medical cases ... ..	364	6,917
(b) surgical cases ... ..	75	1,677
(c) tuberculosis cases ... ..	—	—
(d) maternal complications ... ..	—	—

(d) Domiciliary Midwifery.

There are three midwives practising thus.

*Births attended by County Midwives.*

Total births (live and still) ... ..	43
Cases attended as midwife and nurse ... ..	43
Hospital patients discharged home before 10th day ... ..	194
Total cases attended ... ..	237

(e) Domestic Help.

This is provided for households where such help is required owing to the presence of any person who is ill, an expectant mother, lying-in, mentally subnormal, aged or a child not over school age.

No. of home helps employed during year	89
Cases attended 1st January, 1970 ... ..	171
New cases during year ... ..	57
Cases terminated during year ... ..	58
Cases attended on 31st December, 1970 ... ..	170

*Types of cases served during year.*

(a) Maternity (including expectant mothers)	12
(b) Tuberculosis ... ..	1
(c) Chronic sick (including aged and infirm)	211
(d) Others ... ..	4



(f) Vaccination and Immunisation.

(g) Care of Mothers and Young Children.

(i) Child Welfare Centres      { Newton Hall,  
   { Framwellgate Moor.  
   { Kepier Crescent, Durham

(h) Welfare Services.

Services are provided for Blind Persons and other Handicapped Persons.

	<i>Total.</i>
No. of blind persons on register ... ..	62
No. of partially sighted persons on register ... ..	5
No. of deaf and dumb persons on register ... ..	9
No. of hard of hearing persons on register ... ..	9
No. of handicapped persons on register ... ..	66

Residential accommodation is provided for persons who by reason of age, infirmity or other circumstances, are in need of care and attention which is not otherwise available to them.

*Hostels.*

Persons maintained in residential hostels	(a) 8 males.
	(b) 39 females.
Persons on waiting list ... ..	(a) 7 males.
	(b) 14 females.

(i) Mental Health.

No. of persons registered as mentally subnormal	66
No. of persons under supervision in their own homes ... ..	48
No. of persons in hospitals for the mentally subnormal ... ..	18

**NATIONAL ASSISTANCE ACTS, 1948 AND 1951.**

No statutory action was taken during the year involving Section 47 relating to removal of persons in need of urgent care and attention.

Mr. Chairman, Ladies and Gentlemen,

I have pleasure in submitting to you my Annual Report for the year 1970.

The report refers largely to matters of routine inspections made under the provisions of the various acts and regulations for which the Department is responsible.

The standard of housing in the City is, generally, very good indeed and in this connection it is pleasing to note that the Housing Act, 1969, had the effect of increasing the number of applications for improvement grants in 1970 and reducing still further the comparatively small number of houses lacking those modern amenities available with the assistance of grant aid.

Efforts were made to ensure that visits under the provisions of the Offices, Shops & Railway Premises Act were maintained at a satisfactory level and I feel confident that your public health inspectorate have used every endeavour to see that the important provisions of this Act are implemented in a proper manner.

Mr. C. Johnston was appointed as a public health inspector on 1st June, 1970 to fill the vacancy created when Mr. Morgan became my Deputy. I am very pleased to be able to report that Mr. Johnston has proved himself to be an excellent and conscientious officer.

I should like to take this opportunity to express my thanks to the Chairman and Members of the Health Committee and to the Medical Officer of Health, Dr. R. G. Drummond, for their kindly support during the past year and also to acknowledge the assistance and co-operation of the inspectorate and clerical staff of the Health Department and other officials of the Council.

I am, Mr. Chairman, Ladies and Gentlemen,

Your obedient Servant,

LESLIE OATES,

Chief Public Health Inspector

## HOUSING STATISTICS.

*General Inspection of District.*

1. Number of dwelling houses inspected for housing defects (under Public Health and Housing Acts) ... ..	495
2. Dwelling houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation...	7
3. Dwelling houses (exclusive of two above) found not to be in all respects fit for human habitation ... ..	77
4. Total number of visits to houses including re-inspections	995

## HOUSES IN CLEARANCE AREAS AND INDIVIDUAL UNFIT HOUSES.

A. Houses Demolished.	Number.	Displaced.	
		Persons.	Families.
In Clearance Areas (Housing Act 1957, S.42)	—	—	—
Not in Clearance Areas and as a result of formal or informal procedure (Housing Act 1957. S. 16 or 17(1)) .. ..	8	—	—
<b>B. Unfit Houses Closed.</b>			
Under Provisions of Housing Act 1957 S. 16(4), 17(1), and 35(1). ... ..	7	10	7
Parts of buildings closed (Housing Act 1957 S.18)	1	5	1
<b>C. Repairs to Houses.</b>			<b>Number.</b>
Unfit houses made fit and houses in which defects were remedied :—			
(a) After informal action under Public Health and Housing Acts .. .. .			79
(b) After formal action under P.H. Acts .. .. .			2
(c) By Local Authority in default of owners .. .. .			—

## INSPECTION OF THE DISTRICT.

1,924 inspections were made relating to the various acts and regulations for which the Department is responsible.

It was found necessary to serve 233 informal notices requiring remedying of defects or in respect to other requirements of the acts and regulations concerned and the majority of such notices received the prompt attention of the respective owners or occupiers.

In two cases statutory notices were served on the owners.

805 visits were made with the object of seeing that notices were complied with.

## HOUSING AND SLUM CLEARANCE.

During the year under review 178 houses were erected in the City Area comprising 11 council houses and 167 privately built houses.

At 31st December, 1970, the number of council houses (including flats) erected since the war totalled 1,599.

The total number of houses built for and controlled by the Council was, at the date mentioned, 2,210. In addition to these properties the Council have the letting, when vacant, of any of the 483 houses owned by the North Eastern Housing Association.

*Derelict Buildings Sub-Committee:*

The work associated with derelict buildings and unfit dwellings proceeded satisfactorily and the Committee did not find it necessary to hold a meeting during the year under review.

The position with respect to such buildings at 31st December, 1970, was as follows:—

*Pre-War Slum Clearance:* One property, 79 Claypath, remains to be dealt with. This property is in the ownership of the City Council and when demolished the site will probably be developed for commercial purposes.

*Post-War Slum Clearance:* All houses included in such clearance orders have been demolished and the sites cleared and many of the areas concerned have now been redeveloped by the erection of dwelling houses or commercial buildings. Only a small number of houses considered to have a limited "life" remain to be dealt with over the next few years.

*Demolition Orders:* At 31st December, 1970, there were five such properties, namely 1 to 5 Alma Terrace, Gilesgate. These houses were all vacant by the end of the year and it is anticipated that they will be demolished early in 1971 when the area concerned will be redeveloped by the St. Hild's College authorities.

*Closing Orders:* Forty-five closing orders are at present operative. These orders relate to parts of buildings which have been deemed unfit for use as dwelling houses. No applications have been received to determine such orders.

The following table summarises the position as at 31st December 1970 :

	<i>Occupied houses.</i>	<i>Vacant pending demolition.</i>
Pre-war slum clearance ... ..	—	1
Post-war slum clearance ... ..	nil	nil
Individually unfit houses (Demolition Orders) formal and informal ...	—	12

A total of 12 properties awaiting demolition as against 5 for the year ending 31st December, 1969. 417 unfit houses have been demolished in the post-war period.

#### HOUSES IN MULTIPLE OCCUPATION.

Inspections continue to be made of such premises. Difficulties sometimes arise in maintaining a satisfactory standard of cleanliness where the tenants are responsible for those parts of the house used in common but in general such properties are well maintained by both owners and tenants and provide a type of accommodation which is in considerable demand in a University City such as Durham.

In one case the owner was requested to provide additional bathroom and toilet facilities and this work has received attention.

In all such properties of three or more stories, attention is given to the possibility of a fire hazard and in such cases the Chief Fire Officer is most co-operative and helpful and submits to me the reports of his fire prevention officers as to the provision of means of escape in case of fire.

A total of fourteen properties have been provided with such means of escape in accordance with the requirements of section 16 of the Housing Act 1961 and further cases are receiving attention. In the case of one property the owner rather than carry out necessary works, gave an undertaking that the third floor rooms of the house concerned would be vacated and closed.

*Means of Escape in Case of Fire.*

S. 60 Public Health Act 1936: One case was dealt with under this section of the Public Health Act relating to an hotel where I was concerned as to a potential hazard to the occupants in the event of fire. As a result of informal action the owners complied very promptly with the recommendations made by the Chief Fire Officer.

## HOUSING (FINANCIAL PROVISIONS) ACT, 1958.

Certificates as to families displaced from clearance areas and individual unfit houses have been submitted to the City Treasurer as follows :—

YEAR	Individual Unfit Houses.			Clearance Orders.			Totals.		
	No.	Per-sons.	Fami-lies.	No.	Per-sons.	Fami-lies.	No.	Per-sons.	Fami-lies.
1955	—	—	—	3	11	3	3	11	3
1956	11	34	11	7	19	7	18	53	18
1957	10	30	10	5	16	7	15	46	17
1958	4	13	4	6	11	6	10	24	10
1959	15	41	15	3	7	3	18	48	18
1960	8	18	8	23	64	23	31	82	31
1961	15	45	15	3	3	3	18	48	18
1962	28	58	28	11	20	11	39	78	39
1963	29	75	30	7	21	7	36	96	37
1964	5	11	5	1	1	1	6	12	6
1965	3	9	3	—	—	—	3	9	3
1966	15	40	15	8	21	8	23	61	23
1967	10	17	10	2	3	2	12	20	12
1968	5	13	5	—	—	—	5	13	5
1969	5	8	5	—	—	—	5	8	5
1970	8	15	8	—	—	—	8	15	8
							250	624	253

## IMPROVEMENT GRANTS : HOUSING ACT, 1949/69.

	No. of separate houses	
	Discretionary Grant.	Standard Grant.
(a) Applications submitted to Local Authority	33	12
(b) Applications rejected by Local Authority	—	—
(c) Total Number of applications approved since inception of scheme .. ..	230	144
(d) Total Number of grants paid since inception of scheme .. ..	187	114

A total of 45 applications approved in the year 1970 as compared with 26 in 1969.

### HOUSING ACT, 1969 PART I (in effect as from 25th August, 1969)

The aim of this new legislation was intended to stimulate the improvement of sub-standard houses by increasing the amount of grant aid. The officers of this Department, therefore, made further visits to houses known to be without bathrooms, etc. to inform owner/occupiers and tenants of the improved grants available and in the latter case, where tenants showed an interest in the scheme, letters and appropriate literature were sent to the respective owners asking for their co-operation in securing improvements to their properties.

The interest in the provisions of this Act appear to be reflected in the increased number of applications received in 1970 and it is to be hoped that this upward trend will continue in 1971.

### HOUSING ACT 1969. PART 3. RENT OF DWELLINGS IN GOOD REPAIR AND PROVIDED WITH STANDARD AMENITIES.

This Act introduced a new system governing the rents of privately rented dwellings which satisfy a qualifying standard. The qualifying standard referred to is that the house has all the standard amenities for the sole use of the occupant, that it is in good repair having regard to age, character and locality and that it is fit for human habitation. If these standards are attained a qualification certificate may be issued to the owner who can then apply to the rent officer for the registration of a fair rent. In accordance with the requirements of the Act the tenant is fully informed as to the owners application and as to the provisions relating to this part of the Act.

This Department is responsible for implementing Part 3 of the Act. At 31st December, 1970, seven applications for qualification certificates had been received and one such application was refused on the grounds that the house concerned did not comply with the requirements of the Act.

### RENT ACT, 1957.

No applications for Certificates of Disrepair were received during the year 1970 and it was only found necessary on a few occasions, to advise tenants and owners on the various provisions of the Act.

### ADMINISTRATION OF THE OFFICES, SHOPS & RAILWAY PREMISES ACT, 1963.

A total of 534 premises are registered under the provisions of the above mentioned Act and all such premises have been the subject of at least one general inspection. Re-inspections now total 1,649.

As a result of discussions with an officer of the Department of Employment & Productivity efforts are being made by this Department to increase the number of general inspections so as to ensure that all registered premises are so inspected at least once in every four years.

During the year under review it was found necessary to deal with 158 infringements of the Act. These infringements were largely of a minor character but they do show the necessity for frequent inspections if the standards in offices and shops are to be maintained at the satisfactorily high level intended by the provisions of this particular Act. As mentioned in my narrative report no difficulties have been experienced in obtaining compliance with the requirements of informal notices relating to such infringements.

The following tables give statistical information relating to administration of the Act:—

TABLE 1. Annual Report to Department of Employment and Productivity.

TABLE 2. Analysis of Contraventions.

TABLE 3. Analysis of accidents (Reported to above mentioned Department quarterly).

Also included is the narrative report submitted to the Department.



TABLE 1  
THE OFFICES, SHOPS AND RAILWAY PREMISES ACT, 1963  
REPORT FOR PERIOD 1ST JANUARY TO 31ST DECEMBER, 1970.

	Class of Premises.	Number of Premises Registered during the Year.	Total Number of Registered Premises at End of Year.	Number of Registered Premises Receiving a General Inspection During the Year.
Registrations and General Inspections.	Offices ... ..	11	237	36
	Retail shops ... ..	14	215	62
	Wholesale shops, warehouses ... ..	1	27	7
	Catering establishments open to the public, canteens ... ..	4	53	34
	Fuel storage depots ... ..	—	2	—
	TOTALS ... ..	30	534	139
	Class of Workplace.	Number of Persons Employed.		
Analysis of Persons Employed in Registered Premises by Workplace	Offices ... ..	1,504		
	Retail shops ... ..	1,219		
	Wholesale departments, warehouses ... ..	106	Informal Notices ... ..	55
	Catering establishments open to the public ... ..	569	Exemptions ... ..	Nil
	Canteens ... ..	14	Prosecutions ... ..	Nil
	Fuel storage depots ... ..	38		
	TOTAL ... ..	3,450		
	TOTAL MALES ... ..	1,362		
	TOTAL FEMALES ... ..	2,088		

Number of visits of all kinds (including general inspections) to Registered Premises—232.

TABLE 2

## ANALYSIS OF CONTRAVENTIONS

Section	Number of Contraventions found	Section	Number of Contraventions found
4	Cleanliness ... Redecoration ...	14	Seats (Sedentary Workers) ...
5	Overcrowding ...	15	Eating facilities ...
6	Temperature ...	16	Floors, passages and stairs ...
7	Ventilation ...	17	Fencing exposed parts machinery ...
8	Lighting ...	18	Protection of young persons from dangerous machinery ...
9	Sanitary conveniences ...	19	Training of young persons working at dangerous machinery ...
10	Washing facilities ...	23	Prohibition of heavy work ...
11	Supply of drinking water ...	24	First Aid general provisions ...
12	Clothing accommodation ...	50	Other matters ...
13	Sitting facilities ...		TOTAL ...

TABLE 3  
ANALYSIS OF REPORTED ACCIDENTS

	Offices.	Retail Shops	Wholesale Warehouses.	Catering establishments open to public, canteens.	Fuel Storage Depots
Machinery ... ..	—	1	—	—	—
Transport ... ..	—	—	—	—	—
Falls of persons ... ..	2	2	—	4	—
Stepping on or striking against object or person ... ..	—	—	—	1	—
Handling goods ... ..	—	2	1	1	—
Struck by falling object ... ..	1	—	—	—	—
Fires and explosions ... ..	—	—	—	—	—
Electricity ... ..	—	—	—	—	—
Use of hand tools ... ..	—	—	—	—	—
Not otherwise specified ... ..	—	—	—	—	—

## THE OFFICES, SHOPS &amp; RAILWAY PREMISES ACT, 1963

## NARRATIVE REPORT FOR THE YEAR 1970

As mentioned in my narrative report for the year 1968 all registered premises in the City had, by the end of that particular year, received at least one general inspection.

In 1969 65 premises were the subject of further general inspections and in 1970 139 premises were similarly inspected. Whilst more frequent visits will be made to those premises where it is anticipated that contraventions are more likely to occur it is the intention of the Department to maintain such re-inspections at a figure approaching that for 1970 and it should, therefore, be possible to achieve the general inspection of all registered premises within the four year cycle periods as is the practice of H.M. Factory Inspectorate in carrying out the inspections for which they are responsible.

As is the case with many other local authorities the opportunity is taken when visits are made to food shops to see that they are also complying with the requirements of the Food Hygiene Regulations. Such premises do, of course, receive more frequent inspections than is the case with other premises registered under the Act.

Since the Act came into force a quite considerable number of infringements have been dealt with but owners of both properties and businesses have responded extremely well to the requirements of the informal notices served on them and there has been no necessity to resort to legal action.

## ADMINISTRATION OF THE FACTORIES ACT, 1961.

Premises. (1)	Number on Register	Number of		
		Inspections	Written notices	Occupiers Prosecuted
(i) Factories in which Sections 1, 2, 3, 4, and 6 are to be enforced by Local Authorities ..	9	—	—	—
(ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority ..	69	15	3	—
(iii) Other Premises in which Section 7 is enforced by the Local Authority (excluding out-workers' premises)	1	1	1	—
<b>TOTAL</b> .. ..	<b>79</b>	<b>16</b>	<b>4</b>	<b>—</b>

## 2. CASES IN WHICH DEFECTS WERE FOUND.

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

S. 133 &amp; 134. One outworker—altering wearing apparel.

## CLEAN AIR ACT, 1956.

Routine observations and recordings of density of smoke from boiler plant chimneys were carried out during the year. Seventy-five visits were made relating to emissions from five steam raising plants.

## INSPECTION AND SUPERVISION OF FOOD.

## FOOD PREMISES IN DURHAM CITY.

	<i>Trade.</i>	<i>Number.</i>
Bakers ... ..		5
Butchers ... ..		12
Confectioners ... ..		35
Dairies and Purveyors of Milk ... ..		31
Fish, Game and Poultry ... ..		2
Fried Fish... ..		9
General Dealers ... ..		27
Greengrocers and Fruiterers ... ..		10
Grocers and Provision Merchants ... ..		29
Hotels, Cafes and Snack Bars ... ..		28
Premises registered for the sale of ice cream ...		66

## MILK SUPPLY.

Whilst the County Council is responsible for registration of premises for the sale of milk, officers of this Department inspect such premises as a part of the routine inspection of all food premises in the City.

This Department does not, however, take milk samples as this would be a duplication of the work carried out by the County Health Inspector whose Department obtained 78 such samples during 1970.

All of the samples referred to proved to be satisfactory.

## REGISTRATION UNDER SECTION 16 FOOD AND DRUGS ACT, 1955.

## ICE CREAM.

One application for registration under the provision of Section 16 of the Food and Drugs Act, 1955, for the sale of pre-packed ice cream was approved by the Council making a total of 66 premises registered for this purpose.

## THE FOOD HYGIENE (MARKETS, STALLS AND DELIVERY VEHICLES) REGULATIONS, 1966.

During the year under review efforts were made to trace all mobile food shops trading within the City area.

Thirty-one such vehicles were inspected resulting in the service of twenty-three informal notices requesting various improvements to the vehicles in compliance with the requirements of the Regulations and to attain those hygienic standards which the inspectorate consider reasonable. Two of the vehicles concerned were subsequently withdrawn from service and in the remaining cases prompt action was taken by the owners to comply with the Department's requirements. Whilst many of the works required were of a comparatively minor character they were all essential as this branch of the food trade must be carried on in satisfactorily hygienic conditions. It was apparent that owners of some of these mobile shops were not aware of their responsibilities under the Regulations and the efforts made to trace and inspect all such vehicles trading within the City has been a worthwhile exercise. A total of fifty-one inspections and re-inspections were carried out during 1970.

#### FOOD AND DRUGS ACT, FOOD HYGIENE REGULATIONS.

453 visits (inspections and re-inspections) were made to food premises during the year 1970. These visits included 107 inspections to licensed premises.

The inspections carried out were largely of a routine character but include those made in connection with requests from food traders to inspect food with reference to its fitness for human consumption and also those relating to investigations into food complaints.

Food traders continued to co-operate with the Department in an admirable manner and no difficulties were experienced in obtaining compliance with the officer's requirements where infringements of the Regulations were observed.

The following works were completed in premises affected by the Regulations :—

Equipment—repairs and renewals	...	...	...	...	23
Protection of open foodstuffs	...	...	...	...	4
Sanitary conveniences :					
Re-decoration	...	...	...	...	2
Additional provided	...	...	...	...	—
Provision of hot water supply	...	...	...	...	4
Provision of handbasins	...	...	...	...	7
Provision of sinks	...	...	...	...	—
Provision of first aid equipment	...	...	...	...	10
Provision of accommodation for clothing	...	...	...	...	—
Re-decoration and repairs	...	...	...	...	30
Improved ventilation	...	...	...	...	5
Waste bins supplied	...	...	...	...	4
Refrigerators fitted	...	...	...	...	—
Miscellaneous work and improvements	...	...	...	...	12

## FOOD INSPECTION.

The following list shows the quantities of food that were found upon inspection to be unfit for human consumption. All food condemned was voluntarily surrendered and destroyed at the Council's incinerator:—

MEAT.	FISH.
Carcase meat 8 cwt. 66 lbs.	1,664 packets (pre-packed frozen).
Offal 88 lbs.	
32 tins.	
547 packets (pre-packed frozen).	MISCELLANEOUS.
	10 lb. Russian Salad.
FRUIT.	8 lb. Paté.
131 tins.	
79 packets (pre-packed frozen).	957 various products of pre-packed frozen food.
VEGETABLES.	
51 tins.	
905 packets (pre-packed frozen).	

The total weight of the above-mentioned condemned foodstuffs was 1 ton 19 cwt. 4 st. 3 lb.

Thirteen cases involving the sale of alleged unsound or contaminated foodstuffs were reported to the Department during the year 1970 as against ten such cases in 1969. These cases were all fully investigated. In one case a specimen was submitted for bacteriological examination, in three cases analysts reports were received from private firms and in a further case a specimen was submitted to the County Analyst for his observations.

The officers of the Department welcome the opportunity of investigating such complaints as this often results in tracing the cause of some forms of contamination and preventing a recurrence.

In all of the thirteen cases investigated the complainants were fully advised as to the action taken by the Department's officers.

## MEAT INSPECTION.

All animals slaughtered in the local slaughter-house were inspected.

177 visits were made in connection with such inspections and the following table gives details of animals slaughtered and meat and offals condemned:—



CARCASSES AND OFFAL INSPECTED AND CONDEMNED IN WHOLE  
OR IN PART.

	Cattle Exclud- ing Cows.	Cows.	Calves.	Sheep and Lambs.	Pigs.	Horses.
Number killed ..	335	13	—	1324	304	—
Number inspected	335	13	—	1324	304	—
<i>All diseases except Tuberculosis and Cysticerci</i>						
Whole carcasses con- demned .. ..	—	—	—	—	—	—
Carcasses of which some part or organ was con- demned .. ..	37	3	—	23	5	—
Percentage of the number inspected affected with dis- ease other than tuberculosis and cysticerci ..	11.05	23.07	—	1.74	1.64	—
<i>Tuberculosis only :</i>						
Whole carcasses con- demned .. ..	—	—	—	—	—	—
Carcasses of which some part or organ was con- demned .. ..	—	—	—	—	—	—
Percentage of the number inspected affected with tub- erculosis ..	—	—	—	—	—	—
<i>Cysticercosis.</i>						
Carcasses of which some part or organ was con- demned .. ..	—	—	—	—	—	—
Carcasses submitted to treatment by refrigeration ..	—	—	—	—	—	—
Generalised and totally condemned	—	—	—	—	—	—

A total of 4 cwts. 50 lbs. of condemned meat and offal was destroyed at the Council's incinerator.

Carcases inspected and passed were of excellent quality. Three persons hold slaughtermen's licences and slaughtering was carried out in a satisfactory manner.

#### SLAUGHTERHOUSE FACILITIES:

All slaughtering in the City is carried out at one licensed slaughterhouse. The Department maintains a 100% meat inspection service and all carcasses passed as fit for human consumption are stamped with the approved local authority stamp.

#### WATER SUPPLIES.

All of the houses (7,430 houses—population 25,750) within the City area are supplied from water mains direct to the houses.

Nine samples of water from the Durham County Water Board's supply were obtained for bacteriological examination. One such sample proved to be unsatisfactory and the cause of pollution was traced to a storage tank. Immediate action was taken to eliminate the source of pollution and pending carrying out necessary works the occupants concerned were advised to boil such water as was intended for use for drinking purposes.

#### SWIMMING BATHS.

Sixteen samples of water were obtained from the large and small pools for bacteriological examination. One of the samples from the small pool did not reach the high standard normally achieved. In discussions with the Baths Manager it was ascertained that this particular sample had followed peak usage of the pool and it appeared that unless precautionary measures were taken to overcome the problems associated with peak usage the condition of the water could well deteriorate at such times. The Health Committee have, however, included in their estimates for the purchase of a filter booster pump which will give a quicker turnover in the small pool and this pump, when fitted, should ensure that the excellent results obtained in sampling over past years will be maintained in the future.

#### INFECTIOUS DISEASES INVESTIGATION

Twenty-three visits were made in relation to investigations into cases of infectious disease.

## RODENT CONTROL.

*Sewer Maintenance Treatment*: In accordance with the requirements of the Ministry of Agriculture, Fisheries and Food a test-baiting of 216 manholes was carried out followed by two maintenance treatments of those sections of sewer where such treatments were desirable. A total of 72 manholes were baited and final results showed poison takes in 12 manholes compared with 132 manholes baited and 21 poison takes in 1969.

*Surface Infestations*: All Council properties likely to become infested (including the sewage works and refuse disposal tip) received periodical visits and treatments as required. The river banks also were given attention.

The following table is a summary of the rodent control work carried out during the year:—

	Dwelling Houses.	Business Premises.	Other Infested Places.	Totals
No. of Premises ...	124	32	82	238
No. of Visits ...	342	96	349	787
No. of Poison-baits	664	506	570	1,740
No. of Post-baits ...	77	28	33	138

Wherever necessary owners of premises were requested to carry out rat-proofing after completion of treatments.

Mr. A. Fox, Rodent Operative who is responsible for this work carries out these particular duties and much other work in connection with the Department in a most satisfactory manner.

## DRAINAGE.

The following particulars relate to drainage work carried out by the Department during the year:—

New drainage systems laid	...	...	...	...	22
Drainage systems reconstructed	...	...	...	...	7
Defective drains repaired	...	...	...	...	16
Choked drains cleared	...	...	...	...	43
Inspection chambers built	...	...	...	...	10
Ventilation provided to drains	...	...	...	...	3
New gullies fixed	...	...	...	...	8
Other drainage defects remedied	...	...	...	...	2
Smoke tests	...	...	...	...	4
Water tests	...	...	...	...	53
Colour tests	...	...	..	...	19

SUMMARY OF WORK OF CHIEF PUBLIC HEALTH  
INSPECTOR'S DEPARTMENT.

Complaints received and investigated	...	...	...	488
Houses inspected (Public Health and Housing Acts)	...			495
Houses re-inspected	...	...	...	500
Preliminary Notices served	...	...	...	233
Formal Notices served	...	...	...	2
Visits in connection with :—				
Factories Act	...	...	...	16
Food shops, food premises and slaughterhouses	...			630
Rent Act	...	...	...	—
Improvement Grants	...	...	...	126
Offices, Shops & Railway Premises Act	...	...	...	232
Defective or new drainage	...	...	...	151
Smoke, water and colour tests	...	...	...	67
Infectious disease	...	...	...	23
Moveable dwellings	...	...	...	16
Rivers and Streams	...	...	...	7
Rodent control	...	...	...	787
Disinfection and disinfestation	...	...	...	289
Interviews with owners, contractors, complainants, etc.	...			118
Miscellaneous inspections	...	...	...	406

REFUSE COLLECTION AND SEWAGE DISPOSAL.

The following information relating to Refuse Collection, Sewerage and Sewage Works has been supplied by the City Engineer whose Department is responsible for these undertakings.

*Refuse Collection :*

A weekly collection of all household refuse has been maintained throughout the year.

*Sewage Works, Barkers Haugh :*

The works are producing effluent of good quality well within the requirements of the Northumbrian River Authority.

## WATER SUPPLY.

The City is supplied by the Durham County Water Board and the supply over the past year has been satisfactory both in quality and quantity.

The following information is obtained from the Annual Report of Mr. D. G. Drummond, Chief Engineer to the Board, for the year ending 31st March, 1971.

The unmetered consumption amounts to 31·85 gallons per head per day (31·16 in the previous year) and the metered consumption 15·75 (16·09 in the previous year) a total of 47·60 gallons per head per day in the area of supply as against 47·25 in the previous year.

3,353 samples were obtained for bacteriological examination and 3,079 for chemical analysis.

29 of the bacteriological samples referred to were obtained from supplies to Durham M.B. and all such samples proved to be satisfactory.

*Note:* In accordance with the recommendations in the revised Edition of Ministry of Health Report No. 71 the previous classification of samples 1, 2, 3 & 4 has been replaced by a simplified satisfactory/unsatisfactory grading.

## FOOD AND DRUGS ACT, 1955.

YEAR ENDED 31ST DECEMBER, 1970.

## DURHAM CITY.

The work under this Act is performed by Sampling Officers of the County Council, and during the past year the following samples were submitted by them to the Public Analyst for analysis:—

Aspirin Tablets B.P.	...	...	...	...	...	1
Bacon, Smoked (Informal)	...	...	...	...	...	1
Barley, Pearl	...	...	...	...	...	1
Beans, Butter	...	...	...	...	...	1
Bean Sprouts	...	...	...	...	...	1
Beef Casserole (Informal)	...	...	...	...	...	1
Beer	...	...	...	...	...	4
Bread, white	...	...	...	...	...	1
Bronchial Balsam	...	...	...	...	...	1
Butter, Danish	...	...	...	...	...	1
Cakes, Sponge	...	...	...	...	...	10

Cheese, New Zealand Cheddar	...	...	...	1
Cheese, Wensleydale	...	...	...	1
Coconut Macaroons	...	...	...	1
Cordial, Blackcurrant Juice	...	...	...	1
Cornflakes (Informal)	...	...	...	1
Crumpets	...	...	...	1
Curry Powder, Madras	...	...	...	1
Eggs, Carton of (Informal)	...	...	...	1
Fish Cakes	...	...	...	1
Gelatine	...	...	...	1
Gooseberries in Syrup	...	...	...	4
Indigestion Tablets	...	...	...	1
Jelly, Flan	...	...	...	1
Ketchup, Mushroom	...	...	...	1
Kidneys, Pigs	...	...	...	1
Lucozade	...	...	...	1
Margarine	...	...	...	1
Meat Pie (Informal)	...	...	...	1
Meat Pudding	...	...	...	1
Milk, Condensed	...	...	...	1
Mincemeat	...	...	...	1
Mint Creams	...	...	...	1
Orange Drink	...	...	...	1
Paste, Tomato	...	...	...	1
Pastry Mix	...	...	...	1
Plums in Syrup	...	...	...	1
Potato Fry, Swiss	...	...	...	1
Potato, Instant Mashed	...	...	...	1
Prunes in Syrup	...	...	...	1
Pudding, Cream Rice	...	...	...	1
Rice, stuffed with vine leaves	...	...	...	1
Salt	...	...	...	1
Salt, Garlic	...	...	...	1
Sauerkraut	...	...	...	1
Sausage, Fancy Pork	...	...	...	1
Semolina, Creamed	...	...	...	1
Shortcake	...	...	...	1
Snack Crackles	...	...	...	1
Strawberries in syrup	...	...	...	1
Steak & Kidney Pie Filling	...	...	...	1
Steak, Savoury Minced	...	...	...	1
Suet, Shredded Beef	...	...	...	1
Sugar, icing	...	...	...	1
Sweets (Informal)	...	...	...	1
Tea	...	...	...	1
Throat Lozenges	...	...	...	1

Throat Tablets, Iodised	...	...	...	...	1
Vinegar, Chilli	...	...	...	...	1
Yogurt, Real Fruit Mandarin	...	...	...	...	1
Yogurt, Real Fruit Strawberry	...	...	...	...	1
Yogurt, Strawberry, opened carton of (Informal)	...	...	...	...	1
					<hr/>
					77

## MILK:—

Pasteurised	...	...	...	...	18
Channel Islands	...	...	...	...	8
Homogenised	...	...	...	...	1
Farm Bottled	...	...	...	...	3
					<hr/>
					30
					<hr/>
					107
					<hr/> <hr/>

Of the routine samples submitted by sampling officers one adverse report was given by the County Analyst. This concerned a tin of Dessert Prunes in Syrup which contained tin in excess of the permitted amount. A letter of caution with regard to shelf life of such commodities was sent to the firm concerned.

Seven complaint samples were received from members of the public and submitted to the County Analyst. Four were found to be genuine i.e. no cause for complaint. Of the three remaining complaints, a warning letter was sent to the retailer of a meat pie which had the remains of a moth adhering to the crust of the base. A Steak and Kidney pie which was found to have mould colonies was the subject of a letter of caution and canned Stewed Steak which had been imported from the Irish Republic and was found to contain a beetle was also the subject of a letter of caution.





