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BOROUGH OF



GRAVESEND

ANNUAL REPORT

OF THE

Medical Officer of Health

FOR THE YEAR 1971

G. P. MERSON

M.B., Ch.B., D.P.H., M.F.C.M.

Medical Officer of Health



HEALTH COMMITTEE 1971/72

THE MAYOR (Alderman R. Farthing)

Alderman Miss A. E. H. Johnson, B.E.M.

Alderman H. F. Margrett

Alderman K. C. W. Pearson, D.S.M.

Alderman J. E. Bacon

Alderman L. H. Hardy (*Chairman*)

Councillor N. Williams (*Vice-Chairman*)

Councillor D. Manley, J.P.

Councillor F. Marven

Councillor Mrs. K. M. Lee

Councillor Mrs. L. Baxter

Councillor R. A. Stevenson

HEALTH DEPARTMENT STAFF

Medical Officer of Health

GEORGE POLSON MERSON, M.B., Ch.B., D.P.H., M.F.C.M.

Chief Public Health Inspector

K. McINTYRE, M.A.P.H.I.

Deputy Chief Public Health Inspector

K. V. SPROAT, M.A.P.H.I.

District Public Health Inspectors

B. L. M. CLARK, M.A.P.H.I.

J. WANN, M.A.P.H.I.

G. P. MUTIMER, M.A.P.H.I., M.R.S.H.

Pupil Public Health Inspector

R. D. TURNER

Clerical and Ancillary Staff

C. A. PORT

MRS. J. WELLS

MISS W. THOROGOOD

(Resigned 31st July, 1971)

MISS B. L. ADAMS

(Commenced 16th August, 1971)

I. McINTYRE

H. GREENSLADE

G. ROWE

HEALTH DEPARTMENT,
CIVIC CENTRE,
GRAVESEND.

MR. MAYOR, MR. CHAIRMAN, LADIES AND GENTLEMEN,

I present my Report on the Public Health, Sanitary Conditions and Vital Statistics for the Borough of Gravesend for the year 1971.

As mentioned in my report for 1970 tetanus and poliomyelitis immunisation has continued to be offered to school leavers. Rubella immunisation is still offered to girls in the 13 year age group.

Generally the causes of death follow the pattern of the country as a whole. I must draw attention to the increase in number of deaths from cancer of the lung in Gravesend from 27 in 1970 to 35 in 1971, but the deaths from bronchitis and emphysema have decreased from 31 to 18.

The population of Gravesend was estimated at 53,600 - a decrease from 54,940. There was a decrease in the number of births from 971 to 934 and a decrease in the number of deaths from 557 to 510.

I wish to thank the Chairman and Members of the Health and Licensing Committee for their help and support during 1971. I also wish to thank the members of the Health Department for their work during the year and the co-operation received from the other departments of the Borough Council.

I am, Mr. Mayor, Mr. Chairman, Ladies and Gentlemen,

Your obedient Servant,

G. P. MERSON

Medical Officer of Health

STATISTICS AND SOCIAL CONDITIONS OF THE BOROUGH

Area of the Borough (acres)	..	..	..	4,619
Registrar General's estimate of the Population			..	53,600
Number of Separate inhabited houses (at 31.3.72)			..	17,113
Rateable Value (at 31.3.72)			..	£2,140,057
Sum represented by a Penny Rate			..	£20,545
Rates (to 31st March, 1972) - 88p in the £				
Number of Dwelling Houses built during 1971 -				
Borough Council	Number of Units completed			115
Private Enterprise	Number of Units completed			57
				172

REGISTERED LIVE BIRTHS

	<i>Males</i>	<i>Females</i>	<i>Total</i>
Legitimate ..	472	398	870
Illegitimate ..	30	34	64
	502	432	934

Crude Birth Rate per 1,000 population - 17.4

STILL BIRTHS

	<i>Males</i>	<i>Females</i>	<i>Total</i>
Legitimate ..	7	7	14
Illegitimate ..	1	1	2
	8	8	16

Still Birth Rate - i.e. Rate per
1,000 total (live and still) births - 16.80

Still Birth Rate per 1,000 population - 0.22

REGISTERED DEATHS - All causes at all ages - 510

Males	Females	Total
272	238	510

Crude Death Rate per 1,000 population - 9.5
(The previous year it was 10.2)

DEATHS FROM PUERPERAL CAUSES - Nil

NATURAL INCREASE IN POPULATION (Excess of Births over Deaths) .. 424

INFANT DEATHS - under 1 year of age

	Males	Females	Total
Legitimate Infants ..	7	3	10
Illegitimate Infants ..	-	2	2
	<u>7</u>	<u>5</u>	<u>12</u>

DEATH RATE OF INFANTS UNDER 1 YEAR OF AGE:

Infant Mortality Rate, i.e. All infants per 1,000 live births ..	12
Legitimate infants per 1,000 legitimate live births ..	11

NEO-NATAL MORTALITY RATE

(deaths under 4 weeks per 1,000 total live births) .. 7

EARLY NEO-NATAL MORTALITY RATE

(deaths under 1 week per 1,000 total live births) .. 6

PERINATAL MORTALITY RATE (stillbirths and deaths under 1

week combined per 1,000 total live and stillbirths) .. 23

COMPARATIVE BIRTH AND DEATH RATES

Rates	Gravesend	England and Wales
Birth Rate	16.00	16.00
Death Rate	11.00	11.60
Infant Mortality Rate	17.00	18.00
Still Birth Rate	0.22	0.20

BOROUGH OF GRAVESEND

BIRTHS AND DEATHS

BIRTH AND DEATH RATES FOR LAST TEN YEARS

	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971
Number of births	1,177	1,178	1,153	1,235	1,205	1,063	1,128	1,053	971	934
Crude Birth Rate (per 1,000 population)	22.66	22.12	21.15	22.62	22.21	19.35	20.44	19.00	17.80	17.40
Number of deaths	527	552	531	551	551	522	553	516	557	510
Crude Death Rate (per 1,000 population)	10.14	10.36	9.90	10.10	10.10	9.50	10.02	9.30	10.20	9.50

CAUSES OF DEATH IN GRAVESEND FOR 1971
AS PROVIDED BY THE REGISTRAR GENERAL

	Male	Female	Total
1. Enteritis and other Diarrhoeal Diseases	-	2	2
2. Late Effects of Respiratory T.B. ..	-	1	1
3. Malignant Neoplasm, Buccal Cavity, etc.	3	-	3
4. Malignant Neoplasm, Oesophagus ..	-	1	1
5. Malignant Neoplasm, Stomach	14	3	17
6. Malignant Neoplasm, Intestine ..	2	6	8
7. Malignant Neoplasm, Lung, Bronchus ..	27	8	35
8. Malignant Neoplasm, Breast	-	13	13
9. Malignant Neoplasm, Uterus	-	2	2
10. Malignant Neoplasm, Prostate	3	-	3
11. Other Malignant Neoplasms	12	9	21
12. Benign and Unspecified Neoplasms ..	-	1	1
13. Diabetes Mellitus	4	4	8
14. Other Endocrine etc. Diseases ..	-	1	1
15. Anaemias	-	1	1
16. Other Diseases of Blood, etc. ..	-	1	1
17. Mental Disorders	-	1	1
18. Multiple Sclerosis	-	1	1
19. Other Diseases of Nervous System ..	1	7	8
20. Chronic Rheumatic Heart Disease ..	1	1	2
21. Hypertensive Disease	4	3	7
22. Ischaemic Heart Disease	89	50	139
23. Other Forms of Heart Disease	9	16	25
24. Cerebrovascular Disease	27	54	81

	Male	Female	Total
25. Other Diseases of Circulatory System	10	15	25
26. Influenza	1	-	1
27. Pneumonia	11	13	24
28. Bronchitis and Emphysema	14	4	18
29. Asthma	-	1	1
30. Other Diseases of Respiratory System	3	1	4
31. Peptic Ulcer	3	-	3
32. Intestinal Obstruction and Hernia	2	2	4
33. Cirrhosis of Liver	3	-	3
34. Other Diseases of Digestive System	3	2	5
35. Nephritis and Nephrosis	-	1	1
36. Hyperplasia of Prostate	1	-	1
37. Other Diseases, Genito-Urinary System	3	5	8
38. Diseases of Skin, Subcutaneous Tissue	1	-	1
39. Diseases of Musculo-Skeletal System	-	3	3
40. Congenital Anomalies	3	2	5
41. Birth Injury, Difficult Labour, etc.	1	-	1
42. Other Causes of Perinatal Mortality	2	1	3
43. Symptoms and Ill Defined Conditions	2	-	2
44. Motor Vehicle Accidents	5	1	6
45. All Other Accidents	5	1	6
46. Suicide and Self-inflicted Injuries	2	-	2
47. All Other External Causes	1	-	1

INFECTIOUS DISEASE NOTIFIED DURING 1971

Disease	Under one year	One and under 3 years		5 and under 10 years		10 and under 15 years		15 and under 25 years		25 and under 45 years		45 and under 65 years		65 years and over	Total	Number Removed to Hospital
		3	5	10	15	25	45	65								
Ophthalmia Neonatorum ..	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dysentery ..	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Food Poisoning ..	-	1	-	-	-	-	-	-	-	-	-	1	-	2	2	2
Infective Jaundice ..	-	-	1	1	4	5	3	-	-	-	-	-	-	16	3	3
Malaria ..	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Measles ..	6	26	16	34	-	-	1	-	-	-	-	-	-	83	6	6
Meningococcal Infection ..	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acute Poliomyelitis - Paralytic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-Paralytic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scarlet Fever ..	-	2	-	6	1	-	-	-	1	-	-	-	-	9	-	-
Whooping Cough ..	4	6	8	16	-	-	1	-	-	-	1	1	-	36	4	4
Respiratory Tuberculosis ..	-	-	-	1	1	3	4	-	-	-	-	-	-	9	6	6
Non-Respiratory Tuberculosis	-	-	-	-	-	3	3	-	-	-	-	-	-	6	5	5
	10	35	25	59	3	6	11	11	1	1	161	26	26			

MATERNITY AND CHILD WELFARE

NOTIFICATION OF BIRTHS

The number of live and still births occurring in Gravesend during the year was 1,263. After correction for those whose usual residence is elsewhere (i.e. 313 transferred "out" and 0 transferred "in") the number properly belonging to the Borough was 950 (934 live births and 16 still births) compared with 983 in the previous year.

PARTICULARS OF BIRTHS OCCURRING IN GRAVESEND:

Total number of live and still births occurring in Gravesend	1,263
Number of live births actually belonging to Gravesend	984
Number of still births actually belonging to Gravesend	16
Number of live births (non-residents)	259
Number of still births (non-residents)	4
	1,263

NUMBER OF BIRTHS OCCURRING IN HOSPITAL

	<i>Live Births</i>	<i>Still Births</i>
Number of infants born in Hospital - (residents)	732	14
Number of infants born in Hospital - (non-residents)	259	5

ATTENDANCE AT CHILD WELFARE CENTRES

The attendances at the four Welfare Centres during the year were: -

(a)	Individual children under 1 year of age	.. ..	789
(b)	Individual children between 1 and 5 years	.. ..	1,934
(c)	Total number of attendances at child health clinics	.. ..	12,573

For the year 1970 the figures were:

(a)	815
(b)	1,930
(c)	12,656

ANTE-NATAL CLINICS

No Ante-Natal Clinics were held in the Local Authority Clinics.

Ante-Natal Clinics are now held in the General Practitioners' Surgeries.

SANITARY CIRCUMSTANCES OF THE AREA

WATER SUPPLY

PUBLIC DRINKING SUPPLIES

The Medway Water Board supply water to the Borough.

The water has been satisfactory -

(a) in quantity (b) in quality

The water is hard and there is no evidence of plumbo-solvent action.

BACTERIOLOGICAL EXAMINATION

Samples were taken at regular intervals and were found to be satisfactory:

Number of samples taken - 61

CHEMICAL ANALYSIS

One sample of treated water was taken and reported to be satisfactory.

Note: Tabulated summaries of all water samples taken and results of examination are shown on pages 36, 37, 38, 39, 40 and 41.

CORPORATION BATHING POOL

During the 1971 season the following persons used the Pools:

Bathers and Spectators	63,373
Schoolchildren	19,230
Season Ticket and Pass Holders ..	9,966
Club Members	3,409
Old Age Pensioners	322
	<hr/>
	96,300
	<hr/>

HYGIENIC ARRANGEMENTS AT BATHING POOL

The Medical Officer of Health has continued to keep the hygienic arrangements at the Pool under supervision. "Breakpoint Chlorination", which was put into operation in 1948, appears to be working efficiently.

BACTERIOLOGICAL EXAMINATION OF BATHING POOL WATER

Twelve samples were taken from the Corporation pool and 50 from school pools. See tabulated summary on pages 39, 40 and 41.

SLIPPER BATHS

The Slipper Baths at the Corporation Bathing Pool were opened in January 1949.

There are separate sections for males and females - 7 baths being allocated to males and 3 to females.

**PREVALENCE AND CONTROL OVER
INFECTIOUS AND "OTHER DISEASES"**

DIPHTHERIA IMMUNISATION

The following is a return of the number of children resident in the Borough who were immunised during the year ended 31st December, 1971.

Year of Birth	Primary		Reinforcing	
	Triple	Diph./Tet.	Triple	Diph./Tet.
1971	43	1	-	-
1970	547	10	-	-
1969	260	7	37	10
1968	29	4	51	22
1967	4	4	16	81
1964 - 1965	1	2	15	123
1966	2	2	40	568
1955 - 1963	1	-	9	32
	887	30	168	836

SMALLPOX PREVENTION

Vaccination is carried out at the Kent County Council Clinics and by General Practitioners.

The following is a return of the number of persons who were vaccinated against Smallpox at the Kent County Council Clinics during the year ended 31st December, 1971.

Year of Birth	Primary	Reinforcing
1971	1	-
1970	105	-
1969	267	-
1968	39	3
1967	6	4
1964 - 1965	14	44
1966	9	24
1955 - 1963	11	58
	452	133

POLIOMYELITIS VACCINATION

The following table gives the number of persons resident in the Borough who received immunisation against Poliomyelitis during the year ended 31st December, 1971.

Year of Birth	Primary	Reinforcing
1971	33	-
1970	586	-
1969	259	-
1968	70	-
1967	1	96
1964 - 1965	-	162
1966	-	604
1955 - 1963	-	57
	949	919

MEASLES VACCINATION

The following is a return of the number of children resident in the Borough who were vaccinated during the year ended 31st December, 1971.

Year of Birth	
1971	3
1970	229
1969	200
1968	68
1967	21
1964 - 1965	5
1966	16
1955 - 1963	4
	546

TETANUS VACCINATION

The following is a return of the number of children resident in the Borough who were vaccinated during the year ended 31st December, 1971.

<i>Year of Birth</i>	<i>Primary</i>	<i>Reinforcing</i>
1971	-	-
1970	1	1
1969	1	-
1968	-	-
1967	-	4
1964 - 1965	1	-
1966	-	2
1955 - 1963	49	90
	52	97

NOTIFICATION OF NEW CASES OF TUBERCULOSIS

In 1971, 15 fresh cases were notified. The following table gives comparative particulars over the last ten years.

<i>Year</i>	<i>Estimated Population of Registrar General</i>	<i>Pulmonary</i>	<i>Non-Pulmonary</i>	<i>Total</i>
1962	51,950	26	6	32
1963	53,250	13	4	17
1964	53,590	14	6	20
1965	54,550	14	6	20
1966	54,250	11	6	17
1967	54,930	24	4	28
1968	55,160	11	9	20
1969	55,310	11	3	14
1970	54,490	13	9	22
1971	53,600	8	7	15

The sources from which the notifications of Tuberculosis were received: -

Chest Physicians	4
Private Medical Practitioners ..	1
Hospitals and Institutions ..	10

AGE AND SEX DISTRIBUTION OF TUBERCULOUS PATIENTS

The following table shows the age and sex distribution of the 15 new cases.

Age Periods	Pulmonary		Non-Pulmonary	
	Male	Female	Male	Female
0 - 1	-	-	-	-
2 - 4	-	-	-	-
5 - 9	-	1	-	-
10 - 14	-	-	-	-
15 - 19	1	-	-	-
20 - 24	-	-	-	-
25 - 34	1	2	2	1
35 - 44	-	-	-	-
45 - 54	1	-	-	2
55 - 64	3	-	-	1
65 & over	-	-	-	-
	6	3	2	4

TUBERCULOSIS DEATHS AND DEATH RATE

There were no deaths registered from Tuberculosis.

The following table compares the figures for 1971 with those of previous years.

Year	Pulmonary		Non-Pulmonary		TOTAL Rate per 1,000 Pop.
	Number of deaths	Rate per 1,000 Pop.	Number of deaths	Rate per 1,000 Pop.	
1962	8	.15	-	-	.15
1963	3	.05	-	-	.05
1964	5	.09	-	-	.09
1965	1	.01	1	.01	.02
1966	3	.05	-	-	.05
1967	2	.03	-	-	.03
1968	1	.01	3	.05	.06
1969	-	-	-	-	-
1970	-	-	-	-	-
1971	-	-	-	-	-

TUBERCULOSIS REGISTER

The names of 13 persons were removed from the register for the following reasons:

Deaths	4
Left the District	3
Recovered	3
Diagnosis not Confirmed	1
Refused Public Medical Treatment	-
Lost sight of	-
Emigrated	2
De-notified	-
	<hr/>
	13
	<hr/>

One hundred and seventy-three persons remained on the register at 31st December, 1971. They consist of the following:

	Males	Females	Total
Pulmonary	74	61	135
Non-Pulmonary	19	19	38
	<hr/>	<hr/>	<hr/>
	93	80	173
	<hr/>	<hr/>	<hr/>

MASS RADIOGRAPHY

Regular visits of the Mass X-ray unit commenced on 1st October, 1970.

The unit is at the Swimming Pool, Ordnance Road on the first and third Monday of every month (except Bank Holidays) between 2 p.m. and 3 p.m.

INNOCULATION AGAINST TUBERCULOSIS

A substantial number of children have been vaccinated with B.C.G.

VENEREAL DISEASES

Dr. C. D. Routh, the Medical Officer in charge of the Gravesend Clinic, has kindly supplied the following statistics:

New Patients - Gravesend:

Syphilis	3
Gonorrhoea	46
Other conditions	52
Other genital conditions	63
	<hr/>
	164
	<hr/>

VENEREAL DISEASE CLINIC - (South-Eastern Metropolitan Hospital Board)

Dr. C. D. Routh is in attendance at the Gravesend Clinic, 22 Cobham Street (telephone Gravesend 3061), at the following times:-

TUESDAY

Male	11.00 a.m. to 1.00 p.m.
Female	1.00 p.m. to 2.00 p.m.

SATURDAY

Male and Female	9.00 a.m. to 10.30 a.m.
-------------------------	-------------------------

MEDICAL EXAMINATIONS

Ninety medical examinations were carried out on the staff of the Borough Council during 1971.

CORONER'S INQUESTS

H.M. Coroner has kindly supplied the following information for the year 1971.

Total Number of inquests	15
Number of inquests without post-mortems	-
Number of post-mortems without inquests	113

Verdicts:-

Accidental deaths	9
Suicides	4
Found drowned	-
Other verdicts	2

Mr. K. McIntyre, Chief Public Health Inspector, has supplied the statistics relating to Environmental Health.

ENVIRONMENTAL HEALTH

SUMMARY OF VISITS BY PUBLIC HEALTH INSPECTORS

Housing	1,189
Food	1,857
Safety, Health and Welfare of Employed Persons ..	2,170
Pest Control	262
Clean Air	321
Public Health (General)	4,871
	10,670

NOTICES SERVED

	<i>Informal</i>	<i>Statutory</i>
In respect of dwelling houses ..	121	12
In respect of other premises ..	333	-

CLEAN AIR ACTS 1956 AND 1968

DOMESTIC SMOKE CONTROL

Following the receipt of Circular 53/71 from the Department of the Environment, which related to the improvement in the availability of solid smokeless fuel and which allowed local authorities to resume their smoke control programmes, a second Smoke Control Order was made and submitted to the Department of the Environment.

The area covered by this Order includes some 4,150 dwelling houses; the boundary of this area runs from the junction of Valley Drive with Old Road East in an easterly direction to the junction with Rochester Road, thence in a generally easterly direction along Rochester Road to the Borough boundary with Strood Rural District Council, thence in a generally south-westerly direction along the Borough boundary to its junction with Valley Drive, thence in a northerly direction along Valley Drive to its junction with Old Road East.

PET ANIMALS ACT 1951

Eight premises are licensed within the district and 14 visits of inspection were made.

RODENT CONTROL

The following report summarises the work carried out by the Rodent Officer during the year 1971.

Number of properties inspected following notification	.. ..	682
Number of properties found to be infested by:		
(a) Rats	.. ..	152
(b) Mice	.. ..	382

TREATMENT AGAINST RATS IN SEWERS

Poison Treatment:

Number of manholes baited	.. ..	348
Number of manholes showing bait taken		55

DISEASES OF ANIMALS ACT 1950

Inspection and enforcement became the responsibility of the Public Health Department from 1st April, 1970.

A number of routine matters were dealt with during the year.

HOUSING

HOUSING ACT 1957, PART II

Representations in respect of the following six individual properties were submitted:-

65 Milton Road	(Whole)
20 Cutmore Street	(Whole)
29 Denton Street	(Whole)
111 Darnley Road	(Part)
12A Overcliffe	(Part)
32 Harmer Street	(Part)

Closing Orders in respect of the following five individual properties were made:-

21 Spencer Street	(Whole)
65 Milton Road	(Whole)
20 Cutmore Street	(Whole)
111 Darnley Road	(Part)
12A Overcliffe	(Part)

HOUSING ACT 1957, PART III

The following four areas were represented:-

The Terrace No.1 Clearance Area	=	5 Houses
The Terrace No.2 Clearance Area	=	3 Houses
The Arthur Street Clearance Area	=	3 Houses
The Cutmore Street Clearance Area	=	2 Houses

The following Orders were made:-

The Terrace Area Compulsory Purchase Order	=	11 Houses
The Arthur Street Compulsory Purchase Order	=	3 Houses
The Cutmore Street Compulsory Purchase Order	=	3 Houses

A Public Inquiry was held into:-

The Terrace Area Compulsory Purchase Order

RE-HOUSING

Families were re-housed during the year from the Terrace Street Area Compulsory Purchase Order 1969 and the Brunswick Road Area Compulsory Purchase Order 1969; also from properties affected by Closing Orders.

Number of Persons Displaced	.. ..	307
Number of Families Displaced	.. ..	112

Houses Demolished:-

In or adjoining Clearance Areas:-

(a) Unfit for Human Habitation	.. ..	65
(b) On land acquired under Section 43(2), Housing Act 1957	.. ..	6

Houses in which Defects were Remedied:-

After informal action	.. ..	104
After formal action under Public Health Acts	.. ..	15

RENT ACT 1957 - FIRST SCHEDULE

Applications for Certificates of Disrepair	.. ..	Nil
Applications for Cancellation of Certificates	.. ..	Nil

HOUSING ACT 1969

Qualification Certificates:

Section 44(i) Dwelling Houses already improved:-

Applications received	.. ..	11
Applications refused	.. ..	-
Applications withdrawn	.. ..	2
Qualification Certificates issued (includes cases brought forward from previous year)	.. ..	11

Section 44(ii) Dwelling Houses lacking facilities:-

Applications received	.. ..	12
Applications withdrawn	.. ..	3
Provisional Qualification Certificates issued	.. ..	14
Qualification Certificates issued (includes cases brought forward from previous year)	.. ..	10

IMPROVEMENT GRANTS

Comments were made on 100 applications during the year.

FACTORIES ACT, 1961

The Council has the duty to enforce certain provisions of Parts I, IV and VIII of the Factories Act 1961.

Administrative Arrangements include the following:-

Part I - Health (General Provisions)

- (1) Registration of all factories.
- (2) Inspection of sanitary conveniences in all factories.
- (3) Inspection with regard to cleanliness, overcrowding, temperature, ventilation and drainage of floors in all factories in which mechanical power is not used.

Part IV - Basement Bakehouses

- (1) The quinquennial examination of basement bake houses and the renewal or cancellation of Certificates of Suitability.

Part VIII - Home Work

- (1) Examination of lists, supplied to the Council by employers of outworkers in certain specified trades.
- (2) Notification of name and place of employment of any home worker employed outside the Borough to the Council in whose district his employment is situated.
- (3) Inspection of premises in which the outworker pursues his occupation.

The provisions of the Act, so far as they affect local authorities, have been enforced.

PRESCRIBED PARTICULARS OF THE ADMINISTRATION
OF THE FACTORIES ACT, 1961

PART I

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

<i>Premises</i>	<i>Number on Register</i>	<i>Inspections</i>	<i>Written Notices</i>	<i>Owners Prosecuted</i>
(i) Factories in which Sections 1, 2, 3, 4 and 6 are to be enforced by local authorities	3	6	-	-
(ii) Factories not included in (i) in which Section 7 is enforced by local authorities	146	234	19	-
(iii) Other premises in which Section 7 is enforced by the local authority (excluding outworkers premises)	23	25	1	-
	172	265	20	

2. Cases in which defects were found:

<i>Particulars</i>	<i>Number of cases in which defects were found</i>				<i>Number of cases in which prosecutions were instituted</i>
	<i>Found</i>	<i>Remedied</i>	<i>Referred To H.M. Inspector</i>	<i>By H.M. Inspector</i>	
Sanitary Conveniences -					
(a) insufficient	2	2	-	-	-
(b) unsuitable or defective	14	10	-	-	-
(c) not separate for sexes	-	-	-	-	-
Other offences against the Act (not including offences relating to Outwork)	4	2	-	-	-
	20	14	-	-	-

PART VIII OF THE ACT
OUTWORK - SECTIONS 133 AND 134

Nature of Work	SECTION 133			SECTION 134		
	No. of outworkers in August list re-quired by Sec.133(1) (c)	No. of cases in default in sending lists to the Council	No. of prosecutions for failure to supply lists	No. of instances of work in unwhole-some premises	Notices served	Prose-cutions
Wearing apparel (making, etc.)	21	-	-	-	-	-
Furniture, Upholstery and Loose Cover Makers	1	-	-	-	-	-
	22	-	-	-	-	-

BASEMENT BAKEHOUSES

PART IV OF THE ACT

A Certificate of suitability is in operation in respect of one basement bakehouse.

OFFICES, SHOPS AND RAILWAY PREMISES ACT, 1963

At 31st December, 1971, 678 premises had been registered in the following categories:-

Offices	..	..	..	..	170
Retail shops	..	..	..	..	416
Wholesale shops and warehouses			..	..	17
Catering establishments	..	..	..	..	74
Fuel storage depots	..	..	..	..	1

The number of persons employed in the 678 premises is:-

Males	..	..	1,960
Females	..	..	3,177
			<u>5,137</u>

Analysis of persons employed in classes of workplace:

Offices	..	..	..	..	1,752
Retail shops	..	..	..	..	2,600
Wholesale shops and warehouses			..	..	152
Catering establishments open to the public	..	..	..	..	590
Canteens	..	..	..	..	32
Fuel storage depots	..	..	..	..	11
					<u>5,137</u>

The following figures show the work carried out during 1971:-

Number of registered premises receiving a general inspection	368
Number of visits of all kinds by Inspectors to registered premises	1,455
Number of notices or requests made regarding infringements	122
Number of notices or requests complied with	91

The 91 notices and requests complied with during 1971 comprised 170 items, classified as follows:-

Section 4	To cleanse premises	5
" 6	To provide thermometers	13
" 6	To provide or improve heating	2
" 7	To provide or improve ventilation	6
" 8	To provide or improve lighting	7
" 9	To provide or improve sanitary conveniences	18
" 10	To provide or improve washing facilities	33
" 16	To provide handrails, etc; to keep stairs, passageways and floors clear and maintained	11
" 17	To fence exposed parts of machinery	8
" 24	To provide first-aid equipment	27
" 50	To provide information for employees	40

ACCIDENTS

The number of accidents reported during the year under Section 48 was 13.

FOOD

There are 535 food premises in the district:-

Bakehouses	7
Bread and Cake shops	22
Butchers shops	38
Catering premises and Canteens	99
Chemists, Drugstores, Health Foods	20
Confectionery shops	65
Dairies	1
Fish shops	21
Fruit and Greengrocery shops	34
Licensed Premises, Motels, Hotels, Clubs	114
Provision shops	77
Supermarkets and Multiple Stores	21
Warehouses/Wholesale	16
	535

Attention is devoted to enforcing the relevant Food Hygiene Regulations and for this purpose 1,523 visits were made to food premises, stalls and vehicles, and 115 notices served.

MILK

Milk and Dairies (General) Regulations 1959:

Registered Dairies	..	..	..	1
Registered Milk Distributors	..	..	..	82

Milk (Special Designation) Regulations 1963:

Licences issued to operate until 31st December, 1975 are as follows:-

Dealers (Pasteurisers) Licences	..	..	1
Dealers (Prepacked Milk) Licences	..	..	167

There is one pasteurising plant in the area dealing with approximately 18,000 gallons per day.

Biochemical Examinations:

Results of samples taken were as follows:-

<i>Designation</i>	<i>Test</i>	<i>Results</i>	
Pasteurised	Methylene Blue Test	Satisfactory	66
		Unsatisfactory	-
	Phosphatase Test	Satisfactory	66
		Unsatisfactory	-

Chemical Analysis:

Twenty-six samples of milk were submitted for analysis, all of which were satisfactory.

These twenty-six samples are also included under Food and Drugs Act 1955 - Sampling.

ICE CREAM

Premises registered under Section 16 of the Food and Drugs Act 1955:-

For the sale of ice cream	147
For the manufacture and sale of ice cream	9

Bacteriological Examination:

Samples were classified as follows:-

Grade 1	61
Grade 2	10
Grade 4	7

Chemical Analysis:

Fourteen samples of ice cream were submitted for analysis and found to be satisfactory.

These fourteen samples are also included under Food and Drugs Act 1955 - Sampling.

INSPECTION OF FOOD

The Public Health Inspectors spend a great deal of their time on food inspection, and a large quantity of food was surrendered as unfit for human consumption during the year.

The surrendered food is disposed of at the joint refuse tip at Northfleet, under supervision.

Food and Drugs Act 1955 - Sampling

Samples taken during the year and submitted for analysis were as follows: -

Article	Result of Analysis	
	Satisfactory	Unsatisfactory
Bread, Cakes, Pastries	18	1
Cheese, Cheese Spread	3	
Cocktail Cherries	1	
Coffee Berries	1	
Coffee, Tea	2	
Cooking Chocolate	1	
Cream	1	
Drinks, Alcoholic	1	
Drinks, Soft	2	
Dripping	1	
Drugs and Medical Preparations	16	2
Essence	1	
Fish, Fish Products	2	
Flour	1	
Fruit	2	2
Fruit, Canned	4	
Fruit, Dried, Preserved	4	
Fruit Juices, Concentrates	3	
Gelatin	1	
Herbs, Spices, Condiments	3	
Home Brewed Bitter Ingredients	1	
Ice Cream, Ice Lollies, Ice Powder	19	
Jam	1	
Low Calorie Orange Drink	1	
Low Calorie Sweetener	1	
Meat, Meat Products	40	9
Milk	26	
Milk, Evaporated	1	
Mincemeat	-	1
Nuts, Whole, Ground, Marzipan	3	
Paste	1	
Pudding (Milk)	1	
carried forward	163	15

Article	Result of Analysis	
	Satisfactory	Unsatisfactory
brought forward	163	15
Rice	1	
Sandwich Spread	1	
Sauces	1	
Scotch Eggs	1	
Sugar Confectionery	7	
Vegetables, Canned	1	1
	175	16

PARTICULARS OF SAMPLES ADULTERATED OR OTHERWISE UNSATISFACTORY

Steak and Kidney Pie - No Kidney. The attention of the manufacturer/retailer was drawn to this matter.

Pork Croquettes - Contained Preservative which is not Permitted. Warning letter sent to the manufacturer

Steak and Kidney Pies - Insufficient Kidney. The attention of the manufacturer/retailer was drawn to this matter.

Pork Rissoles - Undeclared Preservative. Warning letter sent to manufacturer.

Pork Sausages - Undeclared Preservative. Warning letter sent to manufacturer.

Steak and Kidney Pies - Insufficient Kidney. A subsequent follow-up sample was found to be satisfactory.

Pork Sausages - Undeclared Preservative. Warning letter sent to manufacturer.

Milk Bread - Insufficient Full Cream Milk Powder. Skimmed milk powder had been supplied in error to the baker concerned.

Steakettes - Contained Preservative. Seasoning used contained preservative which is not permitted in this case.

Tasteless Castor Oil - Unsatisfactory Label. The attention of the retailer chemist was drawn to this matter.

Yam - Unsatisfactory Label. The attention of the importer was drawn to this matter.

Dessert Apricots - Excessive Preservative. Retailer was advised regarding description for purpose of sale.

Collodian of Salicylic Acid - Failed B.P.C. Standard. The attention of the retailer chemist was drawn to this matter.

Figs - Infested with Insect Larvae. The attention of the retailer was drawn to this matter.

Mincemeat with Brandy - Insufficient Brandy. The attention of the retailer was drawn to this matter.

Steak and Kidney Pie - No Kidney. The attention of the manufacturer/retailer was drawn to this matter.

FOOD COMPLAINTS

Seventy-three complaints were received relating to foreign bodies, mould, etc. in food. Authority was given to institute proceedings in sixteen cases and to send warning letters in six cases.

The following were dealt with by the Court:-

Out of Condition Easter Eggs -

Fine £10 plus £5 costs

Mould on Sausage Rolls -

Fine £20 plus £7 costs

BACTERIOLOGICAL EXAMINATION OF DRINKING WATER

1. Leith Park Road Pumping Station (Treated)

Date taken	Probable numbers per 100 ml.		Plate count per ml.
	Coliform bacilli	Bact. Coli (type 1)	
25. 1.71	0		
23. 2.71	0		
24. 3.71	0		
18. 5.71	0		
23. 6.71	0		
19. 7.71	0		
24. 8.71	0		
29. 9.71	0		
25. 10.71	0		
24. 11.71	0		
29. 12.71	0		

BACTERIOLOGICAL EXAMINATION OF DRINKING WATER

2. Domestic Supplies (Treated)

Number of Samples	Date taken	Probable numbers per 100 ml.		Plate count per ml.
		Coliform bacilli	Bact. Coli (type 1)	
4	25. 1. 71	0		
4	23. 2. 71	0		
4	24. 3. 71	0		
4	30. 4. 71	0		
4	18. 5. 71	0		
4	23. 6. 71	0		
5	19. 7. 71	0		
4	24. 8. 71	0		
4	29. 9. 71	0		
4	25. 10. 71	0		
5	24. 11. 71	0		
4	29. 12. 71	0		

CHEMICAL ANALYSIS OF DRINKING WATER

Date taken:	June 1971
Appearance:	Clear, bright
Odour:	None
pH Value	7.1
Free Chlorine	Absent

Parts per million

Free Ammonia	Nil
Albuminoid Ammonia	0.012
Nitrite	Nil
Nitrate	15.00
Chloride	28.00
Alkalinity (CaCO ₃)	275.00
Total Hardness	352.00
Permanent Hardness	77.00
Sulphate	11.00
Oxygen absorbed from Permanganate in 4 hours at 30°F	0.05
Total Solids	465.00

Microscopic examination Revealed very little mineral or vegetable matter.

OPINION: This water is satisfactory

BACTERIOLOGICAL EXAMINATION
OF CORPORATION BATHING POOL WATER

Date taken	Where taken	Probable numbers per 100 ml.		Plate count per ml.
		Coliform bacilli	Bact. Coli (type 1)	
25.5.71	Deep end	0		4
	Shallow end	0		4
	Paddling pool	0		0
16.6.71	Deep end	0		0
	Shallow end	0		0
	Paddling pool	0		0
5.7.71	Deep end	0		0
	Shallow end	0		0
	Paddling pool	0		0
17.8.71	Deep end	0		0
	Shallow end	0		0
	Paddling pool	0		0

BACTERIOLOGICAL EXAMINATION
OF SCHOOL BATHING POOL WATER

School	Date Taken	Probable numbers per 100 ml.		Plate count per ml.
		Coliform bacilli	Bact. Coli (type 1)	
Cecil Road	25. 5.71	1	1	0
	16. 6.71	0		0
	5. 7.71	2 +	2 +	0
	19. 7.71	0		0
	22. 9.71	0		0
Kings Farm	25. 5.71	0		0
	5. 7.71	1	1	0
	19. 7.71	0		0
National Sea Training	23. 2.71	0		0
	24. 3.71	0		0
	30. 4.71	1	0	0
	16. 6.71	0		0
	5. 7.71	0		0
	22. 9.71	0		0
	25. 10.71	0		0
24. 11.71	0		0	
Gravesend School for Boys	25. 5.71	0		0
	16. 6.71	0		0
	5. 7.71	0		0
	19. 7.71	0		0
	22. 9.71	0		0
25. 10.71	0		0	
Raynehurst	25. 5.71	0		0
	16. 6.71	1	1	0
	19. 7.71	0		0
	22. 9.71	0		0

School	Date Taken	Probable numbers per 100 ml.		Plate count per ml.
		Coliform bacilli	Bact. Coli (type 1)	
Riverview	25. 5. 71	0		0
	16. 6. 71	0		0
	5. 7. 71	0		0
	22. 9. 71	0		0
St. Joseph's Convent	25. 5. 71	0		1
	16. 6. 71	0		0
	5. 7. 71	2 +	2 +	0
	19. 7. 71	0		0
	17. 8. 71	2 +	1	0
	22. 9. 71	0		0
Westcourt	25. 5. 71	0		0
	16. 6. 71	0		0
	5. 7. 71	2 +	0	0
	19. 7. 71	0		0
	22. 9. 71	0		0
Whitehill Road	25. 5. 71	0		0
	16. 6. 71	0		1
	5. 7. 71	0		0
	22. 9. 71	0		0
Wrotham Road	25. 5. 71	0	1	0
	16. 6. 71	0		0
	5. 7. 71	0		0
	22. 9. 71	0	1	0
	29. 9. 71		0	0

ANALYST'S MONTHLY REPORTS ON ANALYSIS OF DEPOSITS FROM STANDARD
DEPOSIT GAUGES, CALCULATED IN MILLIGRAMMES PER SQUARE METER PER DAY

SITE: Dashwood Lane Nurseries

	1 9 7 0					1 9 7 1						
	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.
Rainfall (m.m./day)	0.75	4.24	1.45	1.49	0.34	1.51	1.03	1.93	3.70	0.42	1.74	0.54
pH Value	6.5	5.4	4.8	4.5	7.0	5.7	5.6	6.0	6.8	6.4	5.5	6.4
Undissolved Matter	90.4	73.5	177.2	160.6	157.9	105.4	126.2	274.2	356.6	107.4	73.0	63.8
Soluble in Carbon Disulphide	0.8	0.6	0.8	0.5	0.6	0.8	0.2	1.1	1.8	0.7	0.6	0.7
Ash	74.3	61.2	155.8	129.4	129.3	85.4	101.0	230.8	284.7	83.6	50.1	43.2
Calcium	2.5	0.3	1.4	0.8	3.5	0.8	1.1	1.6	2.3	1.6	0.6	1.6
Dissolved Matter	95.2	78.0	119.8	103.4	125.9	93.2	39.6	81.8	137.6	63.8	67.6	59.6
Calcium	15.3	11.0	17.8	13.8	26.8	12.7	9.7	15.2	11.1	10.0	6.8	7.2
Chloride	7.8	20.5	23.4	14.6	9.5	9.5	4.4	6.6	7.3	3.8	4.1	3.8
Sulphates	32.0	80.1	62.0	35.4	50.5	38.6	25.0	43.1	47.0	20.8	25.0	20.2
Total Solids	185.6	151.5	297.0	263.9	283.8	198.6	165.8	356.0	494.2	171.2	140.5	123.5
Estimated Dust from Cement Works	43.9	19.5	22.2	7.3	82.8	19.2	12.9	-	-	15.9	1.8	13.2

SITE: Swimming Pool

	1 9 7 0					1 9 7 1						
	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.
Rainfall (m m /day)	0.54	3.93	1.27	1.22	0.25	1.15	0.74	1.52	3.22	0.35	1.87	
pH Value	6.4	5.2	4.4	4.5	6.9	5.3	5.5	5.4	4.3	6.6	6.0	
Undissolved Matter	97.2	64.6	100.9	120.2	135.3	136.4	97.6	116.4	107.3	84.0	69.8	
Soluble in Carbon Disulphide	1.2	1.2	1.3	0.9	1.9	1.1	0.9	1.3	1.1	1.0	1.1	
Ash	80.3	48.1	80.3	100.8	106.7	108.9	70.8	93.0	87.5	63.9	51.2	
Calcium	4.0	0.5	0.7	0.9	3.3	0.3	1.0	1.5	0.5	2.6	1.0	
Dissolved Matter	117.5	91.2	111.3	120.1	108.0	127.7	54.1	90.0	109.9	63.8	74.1	
Calcium	19.1	14.1	16.3	17.2	22.2	16.8	10.2	12.8	9.7	10.2	7.9	
Chloride	14.3	20.6	16.0	17.7	9.5	15.3	6.7	7.3	9.5	3.9	3.2	
Sulphates	38.4	42.6	59.4	50.8	41.3	47.8	27.9	39.1	47.7	20.8	26.0	
Total Solids	214.7	155.8	212.3	240.4	243.3	264.1	151.7	206.5	217.2	147.7	143.9	
Estimated Dust from Cement Works	62.9	36.1	33.5	32.0	68.5	20.9	18.5	20.0	-	27.5	8.8	

No analysis was carried out for the month of September owing to the gauge bottle being broken

INVESTIGATION OF ATMOSPHERIC POLLUTION
SMOKE AND SULPHUR DIOXIDE BY VOLUMETRIC METHOD

SITE: Civic Centre

		SMOKE		SULPHUR DIOXIDE	
		Microgrammes per cubic metre		Microgrammes per cubic metre	
		Average value	Highest value	Average value	Highest value
7.	4.70 - 4. 5.70	37	87	82	250
5.	5.70 - 1. 6.70	26	55	92	299
2.	6.70 - 29. 6.70	15	39	46	151
30.	6.70 - 3. 8.70	12	26	71	264
4.	8.70 - 31. 8.70	9	24	52	119
1.	9.70 - 28. 9.70	9	21	43	93
29.	9.70 - 2. 11.70	23	74	116	301
3.	11.70 - 30. 11.70	41	116	90	207
1.	12.70 - 28. 12.70	71	316	148	455
29.	12.70 - 1. 2.71	60	172	130	470
2.	2.71 - 1. 3.71	59	118	157	362
2.	3.71 - 29. 3.71	33	81	123	231

