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Urban District Council of Padiham



ANNUAL REPORT

of the

Medical Officer of Health

for the

Year Ending December 31st, 1969

P. G. HOLT, M.B., Ch.B., D.P.H.

Medical Officer of Health.



PADIHAM URBAN DISTRICT COUNCIL.

HEALTH COMMITTEE

Councillor W. SMITH - Chairman

" K. BROADLEY
" J. GREENWOOD
" D. HANSON
" K. H. HINDLE
" E. C. INGHAM
" P. LOCKWOOD
" N. MITCHELL
" B. SHIRTCLIFFE

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HEALTH DEPARTMENT

Medical Officer of Health:

Dr. P. G. HOLT, M.B., Ch.B., D.P.H.

Public Health Inspectors:

ERNEST WRIGLEY, C.S.I.B., M.A.P.H.I., M.R.I.P.H.H. (TO 31.7.69)

FRANK HEWITT, M.A.P.H.I. (FROM 1.8.69)

IAN BEARDSWORTH, M.A.P.H.I. (DEPUTY FROM 1.8.69)

Clerks to the Health Department ... Mrs. M. Whitehead (from 2.6.69)
Miss M. Lott (from 11.8.69)

THE UNIVERSITY OF CHICAGO

DEPARTMENT OF CHEMISTRY

RESEARCH REPORT

NO. 100

1950

1951

1952

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Health Department,
PADIHAM.

June, 1970.

Mr. Chairman, Gentlemen,

I have the honour to present my Annual Report on the Health and Environmental Condition of the Urban District of Padiham, for the year ending 31st December, 1969. The layout follows the usual pattern and the contents include all the items requested by the Department of Health and Social Security.

The small decline in population which has occurred over the last two years appears to have been arrested, as the estimated mid-1969 figure is the same as the year before, but it will not be possible to obtain a really accurate figure until the results of the 1971 Census are available.

The really big event during the year was the opening of the new swimming pool in November. This superb asset to the town will allow its residents to enjoy healthy exercise and recreation summer and winter. It will also enable many youngsters to learn to swim and so reduce the number of drowning incidents which are reported with such tragic frequency.

Much progress has been made in recent years in overcoming air pollution by industrial and domestic smoke, and the ninth Smoke Control Order became operative on July, 1st, 1969, but I am concerned that the struggle for clean air is in danger of suffering a setback, because of the serious shortage of solid smokeless fuel. As the Ministry seem prepared to suspend smoke control orders when shortages arise, it is to be hoped that such suspensions will be given only in circumstances of real difficulty and for the shortest possible time. Otherwise the health of the community will be unnecessarily at risk as air pollution once again increases. To my mind it is rather regrettable that I have to write these words in Conservation Year when the attention of all responsible people is directed towards the danger of our heavily polluted environment.

I am, Gentlemen,
Your Obedient Servant,

P. G. HOLT.

Medical Officer of Health.

STATISTICS AND SOCIAL CONDITIONS OF THE AREA

Area in Acres	976
Population (Census 1961)	9,893
Population (Estimated)	10,160
Number of inhabited houses (according to Rate Book at the end of 1969)	3,831
Rateable Value	£356,606
Sum represented by a Penny Rate	£1,427

The social conditions were generally quite good. The chief industries are cotton and silk weaving and light engineering trades.

VITAL STATISTICS

POPULATION: The population as estimated by the Registrar General for mid 1969 is 10,160.

BIRTHS: 159 Live Births belonging to the District occurred during 1969, as follows:-

	<u>Males</u>	<u>Females</u>	<u>Total</u>
Live Births (Legitimate)	73	74	147
(Illegitimate)	8	4	12
	—	—	—
	81	78	159
	==	==	==
Stillbirths (Legitimate)	2	-	2
(Illegitimate)	-	-	-
Stillbirth Rate per 1,000 live and stillbirths			12
Total Live and Stillbirths			161

Comparative particulars with regard to live births over the last five years are given in the following tables:-

	<u>1969</u>	<u>1968</u>	<u>1967</u>	<u>1966</u>	<u>1965</u>
Total Live Births	159	181	187	183	173
Crude Birth Rate per 1000 estimated popln.	15.6	17.8	18.3	17.9	17.0
Adjusted Rate	17.3	19.8	20.3	19.9	18.9

Illegitimate Live Births per cent of total
Live Births: 8.0

INFANT DEATHS: All infants under 1 year of age 2

STATISTICS AND SOCIAL CONDITIONS OF THE AREA

1918	Area in Acres
2,832	Population (Census 1901)
10,180	Population (Estimated)
1,604	Number of inhabited houses (according to State Book at the end of 1901)
230,406	Notable Value
12,487	Sum represented by a heavy line

The social conditions were generally good. The chief industries are cotton and rice raising and light engineering business.

VITAL STATISTICS

POPULATION	DEATHS
The population as estimated by the Registrar-General for the year 1901 is 10,180.	10,180 deaths belonging to the district occurred during 1901, as follows:-

Male	Female	Total	Rate
1,417	1,417	2,834	100
15	15	30	1.06
15	15	30	1.06
15	15	30	1.06
15	15	30	1.06
15	15	30	1.06
15	15	30	1.06
15	15	30	1.06
15	15	30	1.06
15	15	30	1.06

Comparative percentages with regard to the various years. The last five years are given in the following table:-

Year	Rate
1901	1.06
1902	1.06
1903	1.06
1904	1.06
1905	1.06
1906	1.06
1907	1.06
1908	1.06
1909	1.06
1910	1.06

Estimated live births per cent of total population.

NOTES: All numbers are for the year 1901.

<u>INFANTILE MORTALITY:</u>	(a)	All infants per 1000 live births	13.0
	(b)	Legitimate infants per 1000 legitimate live births	14.0
	(c)	Illegitimate infants per 1000 illegitimate births	NIL

<u>NEO-NATAL MORTALITY:</u>	(a)	Deaths of infants under 4 weeks of age	1
	(b)	Mortality Rate per 1000 live births	6.0

<u>EARLY NEO-NATAL MORTALITY:</u>	(a)	Deaths of infants under 1 week of age	1
	(b)	Rate per 1000 live births	6.0

<u>PERINATAL MORTALITY:</u>		Stillbirths and deaths under 1 week combined per 1000 total births	19
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Comparative particulars with regard to infant mortality over the last five years are given in the following tables:-

<u>1969</u>	<u>1968</u>	<u>1967</u>	<u>1966</u>	<u>1965</u>
13.0	11.0	53.0	43.7	nil

<u>MATERNAL MORTALITY:</u>	(a)	Deaths from Pregnancy, Childbirth and Abortion	NIL
	(b)	Mortality Rate per 1000 total live and stillbirths	NIL

DEATHS: 163 Deaths belonging to the District occurred during 1969, as follows:-

	<u>Males</u>	<u>Females</u>	<u>Total</u>
Deaths within the Urban District	37	50	87
Deaths outside the Urban District in Hospitals, Institutions etc.	48	28	76
	<u>85</u>	<u>78</u>	<u>163</u>

Comparative particulars with regard to deaths over the last five years are given in the following tables:-

	<u>1969</u>	<u>1968</u>	<u>1967</u>	<u>1966</u>	<u>1965</u>
Total Deaths	163	141	160	149	131
Crude Death Rate per 1000 estmd. population	16.0	13.9	15.7	14.6	12.9
Adjusted Rate	15.5	13.6	15.5	13.9	13.1

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The following table gives the ages at which deaths occurred, also the causes of all deaths belonging to Padiham during 1969.

CAUSE OF DEATH	under 4 wks.	4 wks and under 1 yr.	1-	5-	15-	25-	35-	45-	55-	65-	75 & over	M.	F.	Total
Malignant neoplasm buccal cavity									1			1	-	1
Malignant neoplasm stomach									1	1	3	3	2	5
Malignant neoplasm intestine											1	-	1	1
Malignant neoplasm lung, bronchus									1	1	2	4	-	4
Malignant neoplasm breast									1			-	1	1
Malignant neoplasm prostate											1	1	-	1
Leukaemia									1			-	1	1
Other malignant neoplasms								1	2	2	1	4	2	6
Benign and un-specified neoplasms					1							1	-	1
Diabetes Mellitus										1		-	1	1
Other endocrine etc., diseases	1											1	-	1
Anaemias								1			1	-	2	2
Other Diseases of Nervous system			1				1					2	-	2
Chronic Rheumatic Heart disease										1		1	-	1
Hypertensive disease									1	2	3	2	4	6
Ischaemic Heart disease							1	4	5	16	11	21	16	37
Other forms of Heart disease									1	3	5	4	5	9
Cerebrovascular disease								1	3	9	18	8	23	31
Other diseases of Circulatory system										2	13	8	7	15
Influenza										1		-	1	1
Pneumonia			1						1	2	4	4	4	8
Bronchitis & Emphysema									1	5	1	5	2	7
Other disease of Respiratory system											1	1	-	1
Peptic ulcer										2		2	-	2
Intestinal Obstruction and Hernia										1	1	1	1	2
	-	1	1	1	1	-	2	7	19	49	66	74	73	147

Totals forward

continued

CAUSE OF DEATH	under 4 wks.	4 wks. and under 1 yr.	1-	5-	15-	25-	35-	45-	55-	65-	75 & over	M.	F.	Total	
Brought Forward	-	1	1	1	1	-	2	7	19	49	66	74	73	147	
Other Diseases of Digestive System											2	2	-	2	
Nephritis & Nephrosis										1	1	1	1	2	
Diseases of Musculo-Skeletal System									1	1		1	1	2	
Birth Injury, Difficult Labour, etc.	1											-	1	1	
Symptoms and Ill-defined Conditions									1		1	-	2	2	
Motor Vehicle Accidents					1					1		2	-	2	
All Other Accidents			1								2	3	-	3	
Suicide & Self-Inflicted Injuries						1					1	1	1	2	
TOTAL ALL CAUSES	1	1	2	1	2	1	2	7	21	52	73	84	79	163	

TUBERCULOSIS

CASES ON THE REGISTER AT THE 31st. DECEMBER, 1969.

On the Register at the end of December, 1969, there were 24 cases of Tuberculosis (21 Pulmonary and 3 non-Pulmonary)

	5-15	15-25	25-35	35-45	45-55	55-65	over 65	TOTAL
Pulmonary Tuberculosis	1	1	5	4	5	3	1	20
Non- Pulmonary								
Gland of Neck	-	-	1	-	-	-	-	1
Skin	-	-	-	1	-	-	-	1
Right Hip Joint	1	-	-	-	-	-	-	1
Abdomen	-	-	1	-	-	-	-	1
	2	1	7	5	5	3	1	24

VENEREAL DISEASE

Treatment is a function of the Manchester Regional Hospital Board, and inquiries or cases brought to our notice are directed to the clinic at Burnley.

ILLEGITIMATE CHILDREN

The Burnley and District House of Help act as agents for the County Council, and carry out all the necessary arrangements, combining efficiency with understanding.

LABORATORY WORK

This work is carried out at the Public Health Laboratory, Meadow Street, Preston as and when necessary.

The Lancashire County Council provides and maintains the following, with delegation to the No. 6 Divisional Health Committee, on which Padiham Urban District has representation.

AMBULANCE SERVICE The District is served by purpose-built County Ambulance Stations at Altham and Nelson, and there are five vehicles providing day and night cover. The average time taken to reach a patient, after receipt of an emergency call is approximately 8 minutes and to hospital, 25 minutes.

CHILD WELFARE SERVICE The Infant Welfare Centre and School Clinic for the Urban District is at Parish Street. The new Clinic, which is situated on Station Road in the centre of the town, is near completion.

MIDWIFERY SERVICE There are two District Midwives assigned to Padiham, who reside within the District, namely Miss R.M.S. Catterall and Mrs. S.H. Murphy.

HOME NURSING This service is in the capable hands of Sisters K.M. Cox and A. Goodwin, and Nurse Gears.

SUMMARY OF VITAL STATISTICS

	<u>Per 1,000 Estimated Population</u>	
	<u>Crude Live Birth Rate</u>	<u>Crude Death Rate</u>
Mean of 5 years 1964-1968	17.7	17.6
Year 1969	15.6	16.0
Year 1968	17.8	13.9
Change in 1969 on 5 years average 1964-1968	+ 0.2	- 1.6
Change on previous year	- 2.2	+ 2.1
	<u>MATERIAL MORTALITY RATE</u> per 1,000 <u>Live Births</u>	<u>DEATH RATE</u> per 1,000 <u>Live and Stillbirths</u> of infants under 1 yr. per 1,000 <u>Live Births</u>
Mean of 5 years 1964-1968	nil	28.2
Year 1969	nil	13.0
Year 1968	nil	11.0
Increase or decrease in 1969 on 5 years average 1964-1968	nil	- 2.5
Change on previous year	nil	+ 2.0

YEAR	BIRTHS	DEATHS	POPULATION
1960	148	130	9,830
1961	171	145	9,920
1962	160	170	9,950
1963	173	162	10,050
1964	179	134	10,130
1965	173	131	10,170
1966	183	149	10,210
1967	187	160	10,200
1968	181	141	10,160
1969	159	163	10,160

NOTIFIABLE DISEASES (OTHER THAN TUBERCULOSIS) DURING THE YEAR											
DISEASE	TOTAL CASES	under 1 yr.	1-3	3-5	5-10	10-15	15-25	25-65	over 65	Total cases Rem'd to Hosp.	Deaths in Hosp. of Pers. belg. to District
MEASLES	21	2	5	7	7	-	-	-	-	-	-
SCARLET FEVER	3	-	-	-	1	2	-	-	-	-	-
ACUTE MENINGITIS	1	1	-	-	-	-	-	-	-	-	-
FOOD POISONING	1	1	-	-	-	-	-	-	-	-	-
INFECTIVE JAUNDICE	3	-	-	1	1	-	1	-	-	-	-
	29	4	5	8	9	2	1	-	-	-	-

REPORT OF THE COMMISSIONER OF THE LAND OFFICE

LANDS OF THE STATE		LANDS OF THE UNITED STATES	
Year	Area	Year	Area
1890	1,000,000	1890	1,000,000
1891	1,000,000	1891	1,000,000
1892	1,000,000	1892	1,000,000
1893	1,000,000	1893	1,000,000
1894	1,000,000	1894	1,000,000
1895	1,000,000	1895	1,000,000
1896	1,000,000	1896	1,000,000
1897	1,000,000	1897	1,000,000
1898	1,000,000	1898	1,000,000
1899	1,000,000	1899	1,000,000
1900	1,000,000	1900	1,000,000

LANDS OF THE STATE		LANDS OF THE UNITED STATES	
Year	Area	Year	Area
1890	1,000,000	1890	1,000,000
1891	1,000,000	1891	1,000,000
1892	1,000,000	1892	1,000,000
1893	1,000,000	1893	1,000,000
1894	1,000,000	1894	1,000,000
1895	1,000,000	1895	1,000,000
1896	1,000,000	1896	1,000,000
1897	1,000,000	1897	1,000,000
1898	1,000,000	1898	1,000,000
1899	1,000,000	1899	1,000,000
1900	1,000,000	1900	1,000,000

SANITARY ADMINISTRATION

WATER SUPPLIES

Padiham is supplied with a constant supply of water from the mains of the Calder Water Board and there were no new sources of supply during the year. The water is of good quality and in good supply. All dwellinghouses within the District are supplied direct from public mains.

The number of houses supplied direct from public mains is 3,842.

SWIMMING BATHS

After a reporting period of 46 years, it is indeed a pleasure to record the completion and opening of a most modern swimming pool and slipper baths.

The following statistical information will be of interest to those who have not yet seen this project:

Amount of water in pool	113,000 gallons
Complete change of water in pool every	4 hours
Number of filters	4
Rate of change of water	28,250 galls per hour
No. of boilers	2
Each boiler produces	1,116,000 BTU per hour
Pool hall temperature maintained at	75° F (when outdoors 30° F)
Number of BTU's required to heat pool water	1,130,000 perhour
Type of coal	Rank 702 washed single
Rate of air change	12,100 cub.ft. per min.

SEWAGE DISPOSAL

The sewage is carried by gravity feed to the Disposal Works, just outside the District Boundary, at Altham. Treatment is by means of screens, detritus tanks, settlement tanks, sprinkler filters and contact beds. The effluent from the works is discharged into the River Calder. These works are due for complete renewal.

SANITARY ACCOMMODATION

Number of pail closets There are only five at isolated dwellings and these are emptied by the tenants.

Number of fresh water closets 5,958.

Number of waste water closets 546.

Conversions during the year

Number of Pail closets to Fresh Water Closets	1
Number of Waste Water Closets to Fresh Water Closets	23
Number of Waste Water Closets abolished	12
Number of houses on the water carriage system	3,842

Chief Sanitary Requirements of the District

1. The conversion of all waste water closets to the fresh water system.
2. Implementation of the Housing Act, 1969.
3. Anti-pollution measures.
4. Completion of Smoke Control programme.
5. Review of Public Conveniences.

REPORT OF THE

The following is a summary of the work done during the year 1900. It is divided into two parts: the first part contains a general statement of the work done, and the second part contains a detailed statement of the work done in each of the several departments.

The work done during the year 1900 was of a very satisfactory character, and it is believed that the results will be of great value to the country.

GENERAL STATEMENT

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DEPARTMENTAL STATEMENT

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PUBLIC HEALTH INSPECTIONS DURING 1969.

Number of complaints received	702
Number of premises visited	1789
Number of visits made	1994
Number of defects or nuisances discovered	124
Number of defects remedied	118
Number of Notices served (Statutory)	12
Number of Notices served (Informal)	33

Number of inspections and visits made during the year:-

Houses - Public Health Act.	219
Houses - Housing Act	104
Houses - Improvement Grants	257
Clean Air Act	397
Offices, Shops and Railway Premises Act	54
Yards and Passages	26
Drainage	66
Prevention of Damage by Pests Act	201
Water Supply	12
Re-visits to property	218
Factories	34
Butchers	30
Bakers	15
Fish Fryers	15
Grocers	31
Greengrocers	18
Tripe Dressers	3
Snack bars and canteens	18
Poultry Packers	3
Licensed Premises	23
Other food shops	33
Council houses	26
Miscellaneous	96
Noise Abatement	72
Verminous Premises	20
Infectious Diseases	7
Food Poisoning	2
Smoke Observations	7

2007

Interviews	366
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TABLE SHOWING THE RESULTS OF THE 1901

100	Number of persons married
150	Number of persons who died
200	Number of persons who were born
250	Number of persons who were born
300	Number of persons who were born
350	Number of persons who were born
400	Number of persons who were born
450	Number of persons who were born
500	Number of persons who were born
550	Number of persons who were born
600	Number of persons who were born
650	Number of persons who were born
700	Number of persons who were born
750	Number of persons who were born
800	Number of persons who were born
850	Number of persons who were born
900	Number of persons who were born
950	Number of persons who were born
1000	Number of persons who were born
1050	Number of persons who were born
1100	Number of persons who were born
1150	Number of persons who were born
1200	Number of persons who were born
1250	Number of persons who were born
1300	Number of persons who were born
1350	Number of persons who were born
1400	Number of persons who were born
1450	Number of persons who were born
1500	Number of persons who were born
1550	Number of persons who were born
1600	Number of persons who were born
1650	Number of persons who were born
1700	Number of persons who were born
1750	Number of persons who were born
1800	Number of persons who were born
1850	Number of persons who were born
1900	Number of persons who were born
1950	Number of persons who were born
2000	Number of persons who were born

Continued

Defects remedied and Other Improvements Executed:-

Waste Water Closets cleared	16
Water closet compartment repaired	6
External pointing carried out	2
Rainwater pipes renewed, repaired or cleared	9
Defective drainage	13
Defective sinks	2
Roofs repaired	5
Water supply	5
Eaves gutters renewed, repaired or cleared	6
Internal ceiling plaster renewed	2
Internal wall plaster renewed	3
Doors repaired	2
Window frames renewed or repaired	2
Yard gates provided	3
Wooden floors repaired	3
Defective chimney stack	2
Ruinous buildings demolished	1
Accumulation of refuse	3
Dustbins provided or renewed	135

DISINFESTATION Twenty-five dwellings were treated during the year, sixteen for cockroach infestation, and nine for flea infestation. D.D.T. powder with Pyrethrum, Multispray and Gammexane Smoke Generators were used.

CAMPING SITES AND MOVEABLE DWELLINGS

There are no caravans or sites licensed under the Public Health Act, 1936, and no licenses have been applied for under the ~~Caravan~~ Caravan Sites and Control of Development Act, 1960.

HOUSING

The Housing Act, of 1969 came into operation on the 25th August, 1969.

The Act aims to stimulate the improvement of houses in general improvement areas and of individual houses elsewhere. It is also planned to secure the improvement of the environment by, for example, the provision of improved car parking facilities, play spaces for children and better street furniture.

The Act embodies a new general duty under which authorities are to cause an inspection of their districts to be made from time to time with a view to dealing with a wide range of unsatisfactory conditions in older houses in their areas.

The Act introduces a new system governing the rents of privately rented dwellings which have been brought up to a satisfactory standard.

The Act contains provisions which modify the existing slum clearance code. Owner occupiers of unfit houses affected by slum clearance will in general be entitled to a supplementary payment bridging the gap between site and market value. The level of payments for good maintained houses is being doubled; and a payment can for the first time be made in respect of a house that has been partially well maintained.

Changes have been made in the criteria of fitness for human habitation. "Internal bad arrangement" is now any feature which prohibits the safe or unhampered passage of the occupants in the dwelling e.g. narrow, steep or winding staircases, absence of handrails, inadequate landings outside bedrooms, ill-defined changes in floor levels, a bedroom entered only through another bedroom, and also includes a W.C. opening directly from a living room or kitchen.

The Ministry of Housing and Local Government will be urging local authorities to use their new powers as fully, and as soon as possible. It is now particularly urgent that means be found of increasing the rate at which houses are improved and there must be an enthusiastic approach by this Local Authority, your officers, house owners and tenants.

CONDITION

The majority of the houses are stone built and of the terraced type. This type of property is on an average 70/80 years old and in general are quite well maintained, due to the fact that quite a large percentage of them are owner occupied.

NEW BUILDINGS

During the year 4 houses were completed by private enterprise.

OVERCROWDING

No new cases were reported during the year.

REPORT

The following is a report on the work done during the year 1900.

The first part of the report deals with the general work done during the year. It is divided into two main sections: the first dealing with the work done in the laboratory, and the second dealing with the work done in the field.

The first section deals with the work done in the laboratory. It is divided into two main sections: the first dealing with the work done in the laboratory, and the second dealing with the work done in the field.

The second section deals with the work done in the field. It is divided into two main sections: the first dealing with the work done in the field, and the second dealing with the work done in the laboratory.

The first part of the report deals with the general work done during the year. It is divided into two main sections: the first dealing with the work done in the laboratory, and the second dealing with the work done in the field.

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The second section deals with the work done in the field. It is divided into two main sections: the first dealing with the work done in the field, and the second dealing with the work done in the laboratory.

INSPECTION OF DWELLINGHOUSES DURING THE YEAR

1. (a) Total number of dwellinghouses inspected formally or informally for housing defects under the Public Health or Housing Acts. 161
- (b) Number of inspections, formal or informal made for the purpose 326
- (c) Number of dwellings found to be not in all respects reasonably fit for human habitation but capable of being rendered fit 48
2. Total number of dwellings existing at end of year which were unfit for human habitation and not capable at reasonable expense of being rendered fit and in respect of which:-
 - (a) Demolition, Clearance or Closing Orders have been made (at any time) 2
 - (b) Demolition, Clearance or Closing Orders have not yet been made 140

<u>HOUSES DEMOLISHED</u>	Houses demolished	Displaced during year	
		Persons	Families
In Clearance Areas:			
(i) Houses unfit for human habitation	11	20	7
(ii) Houses included by reason of bad arrangement etc.	NIL	NIL	NIL
(iii) Local Authority owned houses certified unfit by Medical Officer of Health	NIL	NIL	NIL
Unfit Houses Closed	Number	Displaced during year	
		Persons	Families
(i) Under Sections 16(4), 17(1) and 35(1), Housing Act, 1957	2	6	2
(ii) Under Sections 17(3), and 26, Housing Act, 1957.	NIL	NIL	NIL
(iii) Parts of buildings closed under Section 18, Housing Act, 1957.	NIL	NIL	NIL

INSTRUCTIONS TO STUDENTS

- (a) Each student is to submit a written report on the results of his or her research on the topic assigned by the instructor. The report should be typed, double-spaced, and include a title page, a table of contents, and a bibliography. The report should be submitted to the instructor by the due date.
- (b) Each student is to submit a written report on the results of his or her research on the topic assigned by the instructor. The report should be typed, double-spaced, and include a title page, a table of contents, and a bibliography. The report should be submitted to the instructor by the due date.
- (c) Each student is to submit a written report on the results of his or her research on the topic assigned by the instructor. The report should be typed, double-spaced, and include a title page, a table of contents, and a bibliography. The report should be submitted to the instructor by the due date.
- (d) Each student is to submit a written report on the results of his or her research on the topic assigned by the instructor. The report should be typed, double-spaced, and include a title page, a table of contents, and a bibliography. The report should be submitted to the instructor by the due date.
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- (f) Each student is to submit a written report on the results of his or her research on the topic assigned by the instructor. The report should be typed, double-spaced, and include a title page, a table of contents, and a bibliography. The report should be submitted to the instructor by the due date.
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STUDENT INFORMATION		STUDENT NUMBER	STUDENT NAME	STUDENT ADDRESS
STUDENT NUMBER	STUDENT NAME			
1	10	11	12	13
2	20	21	22	23
3	30	31	32	33
4	40	41	42	43
5	50	51	52	53
6	60	61	62	63
7	70	71	72	73
8	80	81	82	83
9	90	91	92	93
10	100	101	102	103
11	110	111	112	113
12	120	121	122	123
13	130	131	132	133
14	140	141	142	143
15	150	151	152	153
16	160	161	162	163
17	170	171	172	173
18	180	181	182	183
19	190	191	192	193
20	200	201	202	203

Unfit Houses made fit and Houses in which Defects were Remedied:

	By Owner	By Local Authority
i. After informal action by Local Authority	27	nil
ii. After formal notice under (a) Public Health Acts. (b) Sections 9 and 16 Housing Act, 1957.	11 nil	3 nil
iii. Under Section 24, Housing Act, 1957,	nil	nil

Housing Act, 1949, and Housing (Financial Provisions) Act, 1958 - Improvement Grants, etc:-

Action during year:	No. of dwelling houses or other Buildings affected in schemes of	
	Private Bodies or Individuals	Local Authority
i. Submitted by private individuals to Local Authority	nil	nil
ii. Approved by Local Authority	nil	nil
iii. Submitted by Local Authority to Ministry	nil	nil
iv. Finally approved by Ministry	nil	nil
v. Work completed	1	nil
vi. Additional separate dwellings included in (v) above	nil	nil

House Purchase and Housing Act, 1959, and Housing Acts, 1961, 1964 and 1969.
- Standard Grants:-

Action during year:	No. of dwellings or other buildings affected
i. Applications submitted to Local Authority for improvement to full standard	90
ii. Applications approved by Local Authority for improvement to reduced standard	nil
iii. Total applications approved by Local Authority	90
iv. Work completed	81
v. Particulars of any action taken relating to compulsory improvement of dwellings	nil

	1969	Total
Number of applications received	90	656
Number of applications not dealt with	-	-
Number approved	90	644
Number refused	-	12

UNITED STATES DEPARTMENT OF THE INTERIOR

By local authority	By State	By Federal Government
all	12	1. After Federal action by local authority
1	12	2. After Federal action by local authority (a) Federal action only
all	all	(b) Federal action only
all	all	3. After Federal action by local authority (a) Federal action only

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

By local authority	By State	By Federal Government
all	all	1. After Federal action by local authority
all	all	2. After Federal action by local authority (a) Federal action only
all	all	(b) Federal action only
all	all	3. After Federal action by local authority (a) Federal action only
all	all	(b) Federal action only
all	all	4. After Federal action by local authority (a) Federal action only
all	all	(b) Federal action only
all	all	5. After Federal action by local authority (a) Federal action only
all	all	(b) Federal action only

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

By local authority	By State	By Federal Government
all	all	1. After Federal action by local authority
all	all	2. After Federal action by local authority (a) Federal action only
all	all	(b) Federal action only
all	all	3. After Federal action by local authority (a) Federal action only
all	all	(b) Federal action only
all	all	4. After Federal action by local authority (a) Federal action only
all	all	(b) Federal action only
all	all	5. After Federal action by local authority (a) Federal action only
all	all	(b) Federal action only

By local authority	By State	By Federal Government
all	all	1. After Federal action by local authority
all	all	2. After Federal action by local authority (a) Federal action only
all	all	(b) Federal action only
all	all	3. After Federal action by local authority (a) Federal action only
all	all	(b) Federal action only
all	all	4. After Federal action by local authority (a) Federal action only
all	all	(b) Federal action only
all	all	5. After Federal action by local authority (a) Federal action only
all	all	(b) Federal action only

Standard Amenities Approved

	1969	Total
Baths	38	401
Wash-hand basins	39	402
Sinks	nil	nil
Hot water supply to bath	38	337
" " " " wash-hand basin	39	338
" " " " sink	23	274
Water closet	7½	564
Food store	64	534

Total amounts of grants approved £9,829. 0. 0. £67,401. 18. 9.

Grants paid

Total grant paid £8,260. 0. 0. £55,349. 7. 4.

Number paid 61 500

WAITING LIST

The following tables give an overall picture of the Housing demands for the District, at the end of the year

In Lodgings

	Padiham	Out of District	Total
Man & wife - no children	4	2	6
" " " - one child	7	2	9
" " " - two children	11	-	11
	22	4	26

Tenants of Houses

	Padiham	Out of District	Total
Man & wife - no children	43	16	59
" " " - one child	29	16	45
" " " - two children	8	17	25
" " " - three children	7	9	16
" " " - four children	4	3	7
" " " - five children	-	1	1
" " " - six or more children	1	1	2
	92	63	155

Elderly Persons' Accommodation

	Padiham	Out of District	Total
In lodgings	5	-	5
Tenants of Houses	99	2	101
	104	2	106

Grand Total 287

Number of new houses erected during the year

4

Number of houses erected under the various acts:-

i. Housing Act, 1919	31
ii. Housing Act, 1923/24	170
iii. Housing Act, 1930/36	228
iv. Housing Act, 1936/46	21
v. Housing Act, 1946/51	260
vi. Housing Act, 1957	177
	887

RENT ACT, 1957

No applications for certificates have been received during the year.

INSPECTION AND SUPERVISION OF FOOD

MILK SUPPLY

Number of registrations effected during the year	1
Total number of Distributors of Milk on the Register at the end of the year.	51

The Lancashire County Council is the Food and Drugs Authority and all Dealers' licenses are issued by the County Council in accordance with Section 12 of the Milk (Special Designation) Regulations, 1960.

MILK SAMPLING

During the year 100 samples of milk were obtained, 98 of which were Raw Milk (Tuberculin Tested), 1 Pasteurised and 1 Sterilised. These samples were submitted to the Public Health Laboratory for bacteriological examination with the following results:-

<u>Type of Test</u>	<u>No. of Samples</u>	<u>Results</u>
Tuberculosis	98	96 satisfactory, 2 no result.
Brucellosis ring test	98	83 negative, 12 positive and 3 equivocal.
" culture test	9	3 negative, 5 positive and 1 no result.
" biological test	5	5 negative.
Methylene Blue	1	1 satisfactory.
Phosphatase	1	1 satisfactory.
Turbidity	1	1 satisfactory.

SLAUGHTERHOUSE FACILITIES

There are no public or private slaughterhouses in operation within the District.

Two persons applied for and were granted licenses to slaughter animals.

THE UNIVERSITY OF CHICAGO

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FOOD POISONING

One case of Food Poisoning was reported during the year.

FOOD HYGIENE (GENERAL) REGULATIONS, 1960.

The number of Food Premises by type of business in the District at the end of 1969 was as follows:-

<u>Type of Business</u>	<u>Number</u>	<u>Number of Inspections</u>
General grocers and provision dealers	48	96
Greengrocers and fruiterers (including those selling wet fish, game etc.)	11	22
Fishmongers (including those selling poultry, game etc.)	1	2
Meat shops (butchers, cooked and preserved meats, tripe etc.)	16	32
Bakers and/or confectioners	13	26
Fried fish shops	9	18
Shops selling mainly sugar, confectionery, minerals, ice cream.	10	20
Licensed premises, clubs, canteens, restaurants, cafes and snack bars	33	67
Others	2	7

- | | |
|--|-----|
| i. Total number of Food Premises subject to the above-mentioned Regulations. | 143 |
| ii. The number of premises fitted to comply with Regulation 16. | 142 |
| iii. The number of premises to which Regulation 19 applies. | 143 |
| iv. The number of premises fitted to comply with Regulation 19. | 143 |

Number of food premises, by type registered under Section 16 of the Food and Drugs Act, 1955, the Lancashire County Council Acts or other local Act:-

<u>Type of Business</u>	<u>Number Registered</u>	<u>Number of Inspections of Registered premises during Year.</u>
Butchers	10	21
Confectioners	12	15
Cafés	4	8
Off Licenses	14	14
Grocers	30	43
Sweets, Ice Cream etc.	9	12

POULTRY INSPECTION

- | | |
|--|--------------|
| 1. Number of poultry processing premises within the District (plucking only) | 1 |
| 2. Number of visits to these premises | 12 |
| 3. Number of birds processed during the year | not known |
| 4. Types of birds processed | Mainly hens |
| 5. Percentage of birds rejected as unfit for human consumption | approx. 1.5% |
| 6. Weight of poultry condemned as unfit for human consumption | not known |
| 7. The poultry plucking is carried out under hygienic conditions and full co-operation is given by the owner as regards inspection | |

FOODSTUFFS

The following foodstuffs were examined, condemned for original use, surrendered for disposal and destroyed.

<u>Type of Food</u>	<u>Quantity condemned</u>
Frozen Fish	20 lbs.
" Vegetables	16 lbs.
" Pastry	2 lbs.
" Cakes	6
" Chicken	2½ lbs.
" Meat	7 lbs.
Ice Lollies	192.

FOOD SAMPLING

A total of 31 samples was obtained comprising 18 milks and 13 others as follows:-

- 1 Sonalgin tablets
- 1 Daprisal tablets
- 1 Beef and tomato paste
- 1 Lard
- 1 Dripping
- 1 Beef sausages
- 1 Part loaf of bread
- 1 Nut mix
- 1 Ground almonds
- 1 Carrots, canned
- 1 Chicken fillots in jelly
- 1 Minced meat
- 1 Creamed mushrooms, canned

The County Analyst gave an adverse report on the following:-

<u>Sample</u>	<u>Result of Analysis</u>	<u>Action taken</u>
Part loaf of bread	Contained 0.200 grammes of dis-coloured dough containing 2 mgms. of mineral grease and 1.76 mgms iron oxide.	Complainant informed and bakery cautioned.

THE LIQUID EGG (PASTEURISATION) REGULATIONS, 1963

There are no egg pasteurisation plants in the District.

The following table shows the results of the survey conducted in 1954.

Summary of Results

1. Total number of respondents: 100
2. Total number of valid responses: 95
3. Total number of invalid responses: 5

Details of Results

1. Age group: 18-25: 30, 26-35: 25, 36-45: 20, 46-55: 15, 56-65: 10
2. Sex: Male: 50, Female: 45
3. Education: High School: 20, College: 30, Graduate: 45

Conclusions

The survey results indicate that the majority of respondents are in the 18-25 age group, are male, and have a college education.

1. The majority of respondents are in the 18-25 age group.
2. The majority of respondents are male.
3. The majority of respondents have a college education.
4. The majority of respondents are employed.
5. The majority of respondents are married.

The survey results indicate that the majority of respondents are in the 18-25 age group, are male, and have a college education.

Recommendations

Future Research

1. Further research should be conducted to determine the reasons for the high percentage of respondents in the 18-25 age group.
2. Further research should be conducted to determine the reasons for the high percentage of male respondents.

References

1. Survey of the General Population, 1954.

FACTORIES ACT, 1961

Inspections for the purpose of provisions as to health.

	Number on Register	Number Inspections	of Written Notices	Occupiers Prosecuted
1. Factories in which sections 1,2,3,4, and 6 are to be enforced by Local Authorities	6	4	-	-
2. Factories not included in (1) in which section 7 is enforced by the Local Authority	61	34	-	-
3. Other premises in which section 7 is enforced by the Local Authority (excluding outworkers' premises)	1	1	-	-
Total	68	39	-	-

Cases in which defects were found.

Particulars	Number of cases in which defects were found				Number 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	1	1	-	1	-
(b) Unsuitable or defective	1	1	-	1	-
(c) Not separate for sexes	-	-	-	-	-
Other offences against the Act (not including offences relating to outwork)	-	-	-	-	-
Total	2	2	-	2	-

Information for the purpose of the study is as follows:

Number of independent variables included	Number of independent variables excluded	Total	Total	Total	Total
1	1	2	2	2	2
2	2	4	4	4	4
3	3	6	6	6	6
4	4	8	8	8	8
5	5	10	10	10	10
6	6	12	12	12	12
7	7	14	14	14	14
8	8	16	16	16	16
9	9	18	18	18	18
10	10	20	20	20	20
11	11	22	22	22	22
12	12	24	24	24	24
13	13	26	26	26	26
14	14	28	28	28	28
15	15	30	30	30	30
16	16	32	32	32	32
17	17	34	34	34	34
18	18	36	36	36	36
19	19	38	38	38	38
20	20	40	40	40	40
21	21	42	42	42	42
22	22	44	44	44	44
23	23	46	46	46	46
24	24	48	48	48	48
25	25	50	50	50	50
26	26	52	52	52	52
27	27	54	54	54	54
28	28	56	56	56	56
29	29	58	58	58	58
30	30	60	60	60	60
31	31	62	62	62	62
32	32	64	64	64	64
33	33	66	66	66	66
34	34	68	68	68	68
35	35	70	70	70	70
36	36	72	72	72	72
37	37	74	74	74	74
38	38	76	76	76	76
39	39	78	78	78	78
40	40	80	80	80	80
41	41	82	82	82	82
42	42	84	84	84	84
43	43	86	86	86	86
44	44	88	88	88	88
45	45	90	90	90	90
46	46	92	92	92	92
47	47	94	94	94	94
48	48	96	96	96	96
49	49	98	98	98	98
50	50	100	100	100	100

Table 1. Number of independent variables

Number of independent variables included	Number of independent variables excluded	Total	Total	Total	Total
1	1	2	2	2	2
2	2	4	4	4	4
3	3	6	6	6	6
4	4	8	8	8	8
5	5	10	10	10	10
6	6	12	12	12	12
7	7	14	14	14	14
8	8	16	16	16	16
9	9	18	18	18	18
10	10	20	20	20	20
11	11	22	22	22	22
12	12	24	24	24	24
13	13	26	26	26	26
14	14	28	28	28	28
15	15	30	30	30	30
16	16	32	32	32	32
17	17	34	34	34	34
18	18	36	36	36	36
19	19	38	38	38	38
20	20	40	40	40	40
21	21	42	42	42	42
22	22	44	44	44	44
23	23	46	46	46	46
24	24	48	48	48	48
25	25	50	50	50	50
26	26	52	52	52	52
27	27	54	54	54	54
28	28	56	56	56	56
29	29	58	58	58	58
30	30	60	60	60	60
31	31	62	62	62	62
32	32	64	64	64	64
33	33	66	66	66	66
34	34	68	68	68	68
35	35	70	70	70	70
36	36	72	72	72	72
37	37	74	74	74	74
38	38	76	76	76	76
39	39	78	78	78	78
40	40	80	80	80	80
41	41	82	82	82	82
42	42	84	84	84	84
43	43	86	86	86	86
44	44	88	88	88	88
45	45	90	90	90	90
46	46	92	92	92	92
47	47	94	94	94	94
48	48	96	96	96	96
49	49	98	98	98	98
50	50	100	100	100	100

NIL

Classification of Factories and Workshops:

Abrasive crushing and grinding	..	..	..	..	..	1
Abrasive wheel manufacture	..	..	..	..	..	1
Bakers	..	..	..	..	..	6
Boiled sweet manufacturer	..	..	..	..	..	1
Boot repairers and cloggers	..	..	..	..	..	2
Cabinet makers	..	..	..	..	..	1
Carpet manufacturer	..	..	..	..	..	1
Cotton weaving etc.	..	..	..	..	..	3
Cotton waste	..	..	..	..	..	4
Electrical generation	..	..	..	..	..	1
Fireplace manufacturer	..	..	..	..	..	1
Gas appliances	..	..	..	..	..	2
Hide and Skin	..	..	..	..	..	1
Hospital clothing maker	..	..	..	..	..	1
Joinery	..	..	..	..	..	7
Jute pulling	..	..	..	..	..	1
Leather (artificial chamois) manufacturer	..	..	..	..	..	1
Light engineering	..	..	..	..	..	4
Mortar grinding	..	..	..	..	..	1
Motor vehicle repairer	..	..	..	..	..	6
Minerals (aerated) waters	..	..	..	..	..	1
Nylon weaving	..	..	..	..	..	2
Printers	..	..	..	..	..	4
Paint manufacturers	..	..	..	..	..	1
Plumbers merchants	..	..	..	..	..	1
Poultry plucker	..	..	..	..	..	1
Production laboratory	..	..	..	..	..	1
Rayon fabric weaving	..	..	..	..	..	1
Ready mixed concrete manufacturer	..	..	..	..	..	1
Reed makers	..	..	..	..	..	1
Sectional buildings ..	..	..	..	..	..	1
Shopfitters	..	..	..	..	..	1
Silk weaving	..	..	..	..	..	1
Tripe dressers	..	..	..	..	..	1
Velvet weaving	..	..	..	..	..	1
Motor spring manufacturers	..	..	..	..	..	1

1. The number of Factories now in the Register is 66
2. The number of workplaces now in the Register is 11

SHOPS ACT, 1950.

Classification of Shops as shown in the Register.

Antiques	1
Boots, shoes	3
Builders merchants	2
Butchers	12
Cafe	4
Car accessories	1
Carpet dealers	1
Chemist	4
Cooked foods	3
Confectioners	8
Cycle dealers	1
Drapers	11
Dyers and cleaners	3
Electrical appliances	6
Fancy goods	4
Fish fryers	9
Fishmongers	1
Furniture dealer	4
General dealer	1
Gas appliances	1
Greengrocers	10
Grocers	33
Hairdressers - gentlemen	4
" - ladies	10
Hardware	6
Handyman's supplies	2
Heating & sanitary appliances	3
Jeweller	1
Launderette	1
Newsagents	6
Newspaper office	2
Optician	1
Outfitters - gentlemen	2
" - ladies	2
Off licence	13
Paint & wallpaper	4
Photographers	3
Petrol and oil	1
Pet shop	1
Poultry and game	1
Public Houses	16
Sports equipment	2
Stationers and printers	1
Sub post offices	2
Sweets and tobacco	10
Timber merchant	1
Tobacconists	1
Wholesale booksellers	1

In accordance with the policy laid down by the County, limited inspectorial duties under the Act were delegated to the Public Health Inspector, and in fulfilment of these duties, 392 visits were undertaken.

OFFENSIVE TRADES

The following offensive trades are in existence within the District:-

Tripe Boiler	1
Fish fryers	9

The various premises have been inspected on 32 occasions.

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Chapter L	500
Chapter LI	510
Chapter LII	520
Chapter LIII	530
Chapter LIV	540
Chapter LV	550
Chapter LVI	560
Chapter LVII	570
Chapter LVIII	580
Chapter LIX	590
Chapter LX	600
Chapter LXI	610
Chapter LXII	620
Chapter LXIII	630
Chapter LXIV	640
Chapter LXV	650
Chapter LXVI	660
Chapter LXVII	670
Chapter LXVIII	680
Chapter LXIX	690
Chapter LXX	700
Chapter LXXI	710
Chapter LXXII	720
Chapter LXXIII	730
Chapter LXXIV	740
Chapter LXXV	750
Chapter LXXVI	760
Chapter LXXVII	770
Chapter LXXVIII	780
Chapter LXXIX	790
Chapter LXXX	800
Chapter LXXXI	810
Chapter LXXXII	820
Chapter LXXXIII	830
Chapter LXXXIV	840
Chapter LXXXV	850
Chapter LXXXVI	860
Chapter LXXXVII	870
Chapter LXXXVIII	880
Chapter LXXXIX	890
Chapter LXXXX	900
Chapter LXXXXI	910
Chapter LXXXXII	920
Chapter LXXXXIII	930
Chapter LXXXXIV	940
Chapter LXXXXV	950
Chapter LXXXXVI	960
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The following table gives a summary of the contents of the book, and shows the page at which each chapter begins.

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The following table gives a summary of the contents of the book, and shows the page at which each chapter begins.

As there is still no evidence of the local rag dealer doing any business in bones, the premises are not included in the list of offensive trades.

Byelaws made under Section 108 of the Public Health Act, 1936, by the Council for the regulation of offensive trades, businesses or manufacturers, and the trade or businesses of fish frying, apply in the district.

The trades affected are:-

Blood boiler and dryer
Tallow melter, fat melter or fat extractor
Tripe boiler
Glue maker and size boiler
Rag and bone dealer
Fish fryer

PET ANIMALS ACT, 1952

One person has been licensed for the keeping of pets for sale.

ANIMAL BOARDING ESTABLISHMENT ACT, 1963

There are no such establishments in the district.

DISEASES OF ANIMALS (WASTE FOOD) ORDER, 1957

No. of plants licensed at the 1st April, 1969	1
No. of plants licensed during the year	nil
No. of licenses cancelled or revoked	nil
No. of inspections	2
No. of prosecutions	nil

AGRICULTURAL ACT, 1956

Sanitary Conveniences on Farms

The farm properties in this district are visited at frequent intervals, and all matters which require inspection are dealt with. It has not been found necessary to take any action under the above Act.

PREVENTION OF DAMAGE BY PESTS ACT, 1949

Action relating to rodent control during the year:-

	Type of Property	
	Non- agricultural	Agricultural
(a) No. of properties in district	4,681	6
(b) Total number of properties (including nearby premises) inspected following notification	149	-
(c) No. of (b) infested by - rats	94	-
" " " " " - mice	55	-
(d) Total number of properties inspected for rats/mice for reasons other than notification	71	5
(e) No. of (d) infested by - rats	69	2 minor inf.
" " " " " - mice	2	-

CLEAN AIR ACT

There are now nine smoke control areas operative within the district.

- No. 1 Smoke Control Order became operative on 1st September, 1961.
No. 2 Smoke Control Order became operative on 1st November, 1962.
No. 3 and 4 Smoke Control Orders became operative on 1st July, 1963.
No. 5 and 6 Smoke Control Orders became operative on 1st November, 1963.
No. 7 Smoke Control Order became operative on 1st December, 1966.
No. 8 Smoke Control Order became operative on 1st July, 1968.
No. 9 Smoke Control Order became operative on 1st July, 1969.

The above Orders cover 566.75 acres and 2,362 premises.

No. 10 and 11 Smoke Control areas have been submitted for Ministry approval.

Much publicity has been given to the fact that there is a shortage of smokeless fuels. There is, however, no shortage of smokeless fuels as a whole but there is a shortage of types of premium fuels, particularly 'Coalite', that more readily burn on the ordinary improved open fire.

Offences are being committed mainly in the first areas to be declared in Padstow (Nos. 1 to 6), where at that time the people were not given freedom of choice in appliances. The only grant-aided appliance was the improved open fire, which will not burn the locally available authorised fuel; that is 'Sunbrite'.

Inspection experiences indicate that there is a defiant attitude on the part of the householders visited, who avow that they will continue to burn coal. One coal merchant is equally adamant in supplying coal to these people.

It is very obvious to your officers that the present situation is due to the fact that far too many pre-1963 improved open fires exist and the open fire requirement of smokeless fuel, set down in paragraph 16 of the Peck Report, 1960, can no longer be met.

It is apparent that maladministration in smokeless fuel distribution is responsible for the present chaotic state, where too much premium fuel is being diverted to too many unqualified areas and also that the approved open fires installed in the pre-1963 smoke control areas can no longer be relied upon to burn locally available smokeless fuel.

OFFICES, SHOPS AND RAILWAY PREMISES ACT, 1963.

No. of registered premises at end of year:-

Offices	22
Retail shops	55
Wholesale shops, warehouses	4
Catering establishments open to the public, canteens	11
Fuel storage depots	Nil

No. of visits of all kinds by inspectors to registered premises 98

No. of registered premises which received general inspections 104

No. of exemptions current at end of year Nil

RAG FLOCK AND OTHER FILLING MATERIALS ACT, 1951.

No contraventions observed.

Table 1. Summary of the results of the experiments.

Exp. No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
Time (min)	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355	360	365	370	375	380	385	390	395	400	405	410	415	420	425	430	435	440	445	450	455	460	465	470	475	480	485	490	495	500	505	510	515	520	525	530	535	540	545	550	555	560	565	570	575	580	585	590	595	600	605	610	615	620	625	630	635	640	645	650	655	660	665	670	675	680	685	690	695	700	705	710	715	720	725	730	735	740	745	750	755	760	765	770	775	780	785	790	795	800	805	810	815	820	825	830	835	840	845	850	855	860	865	870	875	880	885	890	895	900	905	910	915	920	925	930	935	940	945	950	955	960	965	970	975	980	985	990	995	1000																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
Temp. (°C)	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355	360	365	370	375	380	385	390	395	400	405	410	415	420	425	430	435	440	445	450	455	460	465	470	475	480	485	490	495	500	505	510	515	520	525	530	535	540	545	550	555	560	565	570	575	580	585	590	595	600	605	610	615	620	625	630	635	640	645	650	655	660	665	670	675	680	685	690	695	700	705	710	715	720	725	730	735	740	745	750	755	760	765	770	775	780	785	790	795	800	805	810	815	820	825	830	835	840	845	850	855	860	865	870	875	880	885	890	895	900	905	910	915	920	925	930	935	940	945	950	955	960	965	970	975	980	985	990	995	1000																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
Pressure (atm)	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	5.0	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9	11.0	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9	12.0	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.8	12.9	13.0	13.1	13.2	13.3	13.4	13.5	13.6	13.7	13.8	13.9	14.0	14.1	14.2	14.3	14.4	14.5	14.6	14.7	14.8	14.9	15.0	15.1	15.2	15.3	15.4	15.5	15.6	15.7	15.8	15.9	16.0	16.1	16.2	16.3	16.4	16.5	16.6	16.7	16.8	16.9	17.0	17.1	17.2	17.3	17.4	17.5	17.6	17.7	17.8	17.9	18.0	18.1	18.2	18.3	18.4	18.5	18.6	18.7	18.8	18.9	19.0	19.1	19.2	19.3	19.4	19.5	19.6	19.7	19.8	19.9	20.0	20.1	20.2	20.3	20.4	20.5	20.6	20.7	20.8	20.9	21.0	21.1	21.2	21.3	21.4	21.5	21.6	21.7	21.8	21.9	22.0	22.1	22.2	22.3	22.4	22.5	22.6	22.7	22.8	22.9	23.0	23.1	23.2	23.3	23.4	23.5	23.6	23.7	23.8	23.9	24.0	24.1	24.2	24.3	24.4	24.5	24.6	24.7	24.8	24.9	25.0	25.1	25.2	25.3	25.4	25.5	25.6	25.7	25.8	25.9	26.0	26.1	26.2	26.3	26.4	26.5	26.6	26.7	26.8	26.9	27.0	27.1	27.2	27.3	27.4	27.5	27.6	27.7	27.8	27.9	28.0	28.1	28.2	28.3	28.4	28.5	28.6	28.7	28.8	28.9	29.0	29.1	29.2	29.3	29.4	29.5	29.6	29.7	29.8	29.9	30.0	30.1	30.2	30.3	30.4	30.5	30.6	30.7	30.8	30.9	31.0	31.1	31.2	31.3	31.4	31.5	31.6	31.7	31.8	31.9	32.0	32.1	32.2	32.3	32.4	32.5	32.6	32.7	32.8	32.9	33.0	33.1	33.2	33.3	33.4	33.5	33.6	33.7	33.8	33.9	34.0	34.1	34.2	34.3	34.4	34.5	34.6	34.7	34.8	34.9	35.0	35.1	35.2	35.3	35.4	35.5	35.6	35.7	35.8	35.9	36.0	36.1	36.2	36.3	36.4	36.5	36.6	36.7	36.8	36.9	37.0	37.1	37.2	37.3	37.4	37.5	37.6	37.7	37.8	37.9	38.0	38.1	38.2	38.3	38.4	38.5	38.6	38.7	38.8	38.9	39.0	39.1	39.2	39.3	39.4	39.5	39.6	39.7	39.8	39.9	40.0	40.1	40.2	40.3	40.4	40.5	40.6	40.7	40.8	40.9	41.0	41.1	41.2	41.3	41.4	41.5	41.6	41.7	41.8	41.9	42.0	42.1	42.2	42.3	42.4	42.5	42.6	42.7	42.8	42.9	43.0	43.1	43.2	43.3	43.4	43.5	43.6	43.7	43.8	43.9	44.0	44.1	44.2	44.3	44.4	44.5	44.6	44.7	44.8	44.9	45.0	45.1	45.2	45.3	45.4	45.5	45.6	45.7	45.8	45.9	46.0	46.1	46.2	46.3	46.4	46.5	46.6	46.7	46.8	46.9	47.0	47.1	47.2	47.3	47.4	47.5	47.6	47.7	47.8	47.9	48.0	48.1	48.2	48.3	48.4	48.5	48.6	48.7	48.8	48.9	49.0	49.1	49.2	49.3	49.4	49.5	49.6	49.7	49.8	49.9	50.0	50.1	50.2	50.3	50.4	50.5	50.6	50.7	50.8	50.9	51.0	51.1	51.2	51.3	51.4	51.5	51.6	51.7	51.8	51.9	52.0	52.1	52.2	52.3	52.4	52.5	52.6	52.7	52.8	52.9	53.0	53.1	53.2	53.3	53.4	53.5	53.6	53.7	53.8	53.9	54.0	54.1	54.2	54.3	54.4	54.5	54.6	54.7	54.8	54.9	55.0	55.1	55.2	55.3	55.4	55.5	55.6	55.7	55.8	55.9	56.0	56.1	56.2	56.3	56.4	56.5	56.6	56.7	56.8	56.9	57.0	57.1	57.2	57.3	57.4	57.5	57.6	57.7	57.8	57.9	58.0	58.1	58.2	58.3	58.4	58.5	58.6	58.7	58.8	58.9	59.0	59.1	59.2	59.3	59.4	59.5	59.6	59.7	59.8	59.9	60.0	60.1	60.2	60.3	60.4	60.5	60.6	60.7	60.8	60.9	61.0	61.1	61.2	61.3	61.4	61.5	61.6	61.7	61.8	61.9	62.0	62.1	62.2	62.3	62.4	62.5	62.6	62.7	62.8	62.9	63.0	63.1	63.2	63.3	63.4	63.5	63.6	63.7	63.8	63.9	64.0	64.1	64.2	64.3	64.4	64.5	64.6	64.7	64.8	64.9	65.0	65.1	65.2	65.3	65.4	65.5	65.6	65.7	65.8	65.9	66.0	66.1	66.2	66.3	66.4	66.5	66.6	66.7	66.8	66.9	67.0	67.1	67.2	67.3	67.4	67.5	67.6	67.7	67.8	67.9	68.0	68.1	68.2	68.3	68.4	68.5	68.6	68.7	68.8	68.9	69.0	69.1	69.2	69.3	69.4	69.5	69.6	69.7	69.8	69.9	70.0	70.1	70.2	70.3	70.4	70.5	70.6	70.7	70.8	70.9	71.0	71.1	71.2	71.3	71.4	71.5	71.6	71.7	71.8	71.9	72.0	72.1	72.2	72.3	72.4	72.5	72.6	72.7	72.8	72.9	73.0	73.1	73.2	73.3	73.4	73.5	73.6	73.7	73.8	73.9	74.0	74.1	74.2	74.3	74.4	74.5	74.6	74.7	74.8	74.9	75.0	75.1	75.2	75.3	75.4	75.5	75.6	75.7	75.8	75.9	76.0	76.1	76.2	76.3	76.4	76.5	76.6	76.7	76.8	76.9	77.0	77.1	77.2	77.3	77.4	77.5	77.6	77.7	77.8	77.9	78.0	78.1	78.2	78.3	78.4	78.5	78.6	78.7	78.8	78.9	79.0	79.1	79.2	79.3	79.4	79.5	79.6	79.7	79.8	79.9	80.0	80.1	80.2	80.3	80.4	80.5	80.6	80.7	80.8	80.9	81.0	81.1	81.2	81.3	81.4	81.5	81.6	81.7	81.8	81.9	82.0	82.1	82.2	82.3	82.4	82.5	82.6	82.7	82.8	82.9	83.0	83.1	83.2	83.3	83.4	83.5	83.6	83.7	83.8	83.9	84.0	84.1	84.2	84.3	84.4	84.5	84.6	84.7	84.8	84.9	85.0	85.1	85.2	85.3	85.4	85.5	85.6	85.7	85.8	85.9	86.0	86.1	86.2	86.3	86.4	86.5	86.6	86.7	86.8	86.9	87.0	87.1	87.2	87.3	87.4	87.5	87.6	87.7	87.8	87.9	88.0	88.1	88.2	88.3	88.4	88.5	88.6	88.7	88.8	88.9	89.0	89.1	89.2	89.3	89.4	89.5	89.6	89.7	89.8	89.9	90.0	90.1	90.2	90.3	90.4	90.5	90.6	90.7	90.8	90.9	91.0	91.1	91.2	91.3	91.4	91.5	91.6	91.7	91.8	91.9	92.0	92.1	92.2	92.3	92.4	92.5	92.6	92.7	92.8	92.9	93.0	93.1	93.2	93.3	93.4	93.5	93.6	93.7	93.8	93.9	94.0	94.1	94.2	94.3	94.4	94.5	94.6	94.7	94.8	94.9	95.0	95.1	95.2	95

RIVERS AND STREAMS

The Lancashire Rivers Board is responsible for the supervision and protection of rivers and streams in the district.

SOCIAL WELFARE

The Health Department continues to be available for liason work. The principle activity has been to provide contact with the Home Help Organiser. Several cases were dealt with.

ACCIDENTS IN THE HOME AND HEALTH EDUCATION

A policy of propoganda by displays of posters and the distribution of handbills was continued.

REPORT ON THE

The following report is submitted to the Commission on the part of the members of the Commission who have been assigned to the study of the problem of the

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