

[Report 1946] / Medical Officer of Health, Mangotsfield U.D.C.

Contributors

Mangotsfield (England). Urban District Council.

Publication/Creation

1946

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MANGOTSFIELD URBAN DISTRICT COUNCIL.

ANNUAL REPORT
of
MEDICAL OFFICER OF HEALTH
for the year
1946

- - oOo - -

Council Offices,
Staple Hill,
Bristol.



AMERICAN ANTHROPOLOGICAL ARCHIVES

RESEARCH REPORT

ANNUAL REPORT

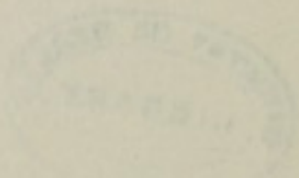
OF THE

SMITHSONIAN INSTITUTION

FOR THE YEAR

1900

1900



Smithsonian Institution
Washington, D.C.

AMERICAN ANTHROPOLOGICAL ARCHIVES

MANGOTSFIELD URBAN DISTRICT

comprising;- Downend, Soundwell and Mangotsfield
wards.

Chairman of the Council;-

Mr. H.Wren.

Vice-Chairman of the Council;-

Mr. B.J.Woodhall.

Members of the Council;-

Mrs H. Smith.
Miss C.M.Gapper.
Mr. F. Banks.
Mr. A. Beazer.
Mr. E.P.Birt.
Mr. J.R.Bizley.
Mr. H.C.Bracey.
Mr. H.G.Harris.
Mr. W. Hathway.
Mr. J.Sheppard.
Mr. W. Hughes.
Mr. F. Cowles.
Mr. R.E.G.Powell.

Clerk to the Council;-

Mr. F. Wallace.

Public Health Staff;-

Medical Officer of Health.
(who is combined MOH to the South
Gloucestershire Combined
(MOH) Districts).

Dr. James Menzies Cormack.
M.B., Ch.B., D.P.H., D.P.A.

Sanitary Inspector & Surveyor.

Mr. F. Alan Long. M.I.Mun.E.,
A.R.I.C.S., M.S.I.A.,
Cert R.S.I.

Clerical Assistants;-

Mr. D.S. Cross.
Mr. G.D. Howell. (H.M. Forces).

MANCOTPHIELD URAN DISTRICT

Committee:-- Downes, Sandwell and Mansfield
wards.

Chairman of the Council:--

Mr. E. Vign.

Vice-Chairman of the Council:--

Mr. S. L. Woodhall.

Members of the Council:--

- Mr. H. Smith.
- Miss G. M. Cooper.
- Mr. E. Brown.
- Mr. A. Brown.
- Mr. J. P. Smith.
- Mr. J. R. Smith.
- Mr. J. C. Brown.
- Mr. E. J. Smith.
- Mr. J. Smith.
- Mr. J. Brown.
- Mr. J. Brown.
- Mr. J. Brown.
- Mr. J. Brown.
- Mr. J. Brown.
- Mr. J. Brown.

Clerk to the Council:--

Mr. E. Smith.

Public Health Officer:--

Medical Officer of Health.

(who is appointed by the Council)

Sanitary Inspector & Surveyor.

(MR) District.

Mr. F. Alan Jones, M.I.M.S.

A.R.I.C.E., M.S.I.A.

City, R.S.I.

Official Assessor:--

Mr. D. S. Green.

Mr. G. D. Howell, (R.M. Forces)

A. STATISTICS AND SOCIAL CONDITIONS OF THE AREA.

i. General Statistics.

Area	1553 acres.
Population (Registrar-General's estimate mid 1946)	16,560
Number of inhabited houses December (Rate Books).....	4,700
Estimated number of houses void in December	Nil.
Rateable Value	£71,960
Sum represented by 1d rate	£ 276

The population of the district continues to increase and has now reached 16,560, an increase of 790 over the 1945 estimate.

ii. Social Conditions.

There has been no important change in the industries carried out in the area. The following indicates the nature of the chief trades carried out;-

Boot and Shoe Making.	Baking & Confectionery.
Motor repairing.	Cardboard Box Making.
Printing.	Laundering.
Clothing.	Building.
Saw Mill, Joinery and Ladder Making.	

iii. Extracts from Vital Statistics for the year 1946.

	<u>Total.</u>	<u>M.</u>	<u>F.</u>
Live Births.- Legitimate.	286	145	141
Illegitimate.	16	14	2
Still Births.-Legitimate.	10	3	7
Illegitimate.	-	-	-

Deaths;-

Birth rate (per 1000 estimated resident population mid 1946)	18.2
Birth Rate for England and Wales	19.1
Still Birth rate (per 1000 estimated resident population mid 1946.6
Death Rate (per 1000 estimated resident population mid 1946).....	10.
Death Rate per 1000 for England and Wales	11.5
Death Rate per 1000 for Mangotsfield '39	11.6
Deaths from Puerperal Causes	Nil.
" " Cancer (all Ages)	28
" " Measles (all ages)	Nil.
" " Whooping Cough(all ages) ..	Nil.
" " Diarrhoea (under 2 yrs)....	1

STATISTICS AND SOCIAL CONDITIONS OF THE AREA.

General Statistics.

Area 1223 acres.
 Population (Registrar-General's
 estimate mid 1945) 16,500
 Number of inhabited houses
 December (Rate Books) 4,700
 Estimated number of houses void
 in December 711.
 Rateable Value 271,900
 Tax represented by 1d rate 2,376

The population of the district continues to increase and has now reached 16,500, an increase of 790 over the 1945 estimate.

Social Conditions.

There has been no important change in the industries carried out in the area. The following indicates the nature of the chief trades carried out:-

- Shoe and Boot Making.
- Motor repairing.
- Printing.
- Clothing.
- Shaw Mill, Tailors and Ladies Making.
- Baking & Confectionery.
- Cardboard Box Making.
- Laundry.
- Building.

Extracts from Vital Statistics for the year 1946.

	Total.	M.	F.
Live Births - Estimated	386	185	141
Still Births - Estimated	16	14	2
Still Deaths - Estimated	10	3	7
Deaths - Estimated	-	-	-

Deaths:-
 Birth rate (per 1000 estimated resident population mid 1946) 18.2
 Birth rate for England and Wales 19.1
 Still Birth rate (per 1000 estimated resident population mid 1946) 6
 Death rate (per 1000 estimated resident population mid 1946) 10
 Death rate per 1000 for England and Wales 9
 Death rate per 1000 for Manchester and Salford 11.0
 Deaths from Respiratory Causes 111
 " Cancer (all ages) 58
 " Malaria (all ages) 21
 " Whooping Cough (all ages) 111
 " Diarrhoea (under 5 yrs) 1

CAUSES OF DEATHS.

Year 1946.

	ages.	-1	1-	5-	15-	25-	45-	65-	75-	Total.
1. Typhoid and paratyphoid fevers.										-
2. Cerebro-Spinal Fever.										-
3. Scarlet Fever.										-
4. Whooping Cough.										-
5. Diphtheria.										5
6. Tuberculosis of respiratory system.				2	2	1				1
7. Other forms of Tuberculosis.		1								-
8. Syphilitic disease										1
9. Influenza.				1						-
10. Measles.										-
11. Acute Poliomyelitis & polioencephalitis.										-
12. Acute infectious encephalitis										-
13. Cancer of buccal cavity & oesophagus(Males only)					5	1	1			1
14. Cancer of uterus.					2					6
15. Cancer of Breast.					3	3	5			2
16. Cancer of all other sites.				2	1	6	7	17	1	18
17. Diabetes.								11	30	31
18. Intra-Cranial Vascular lesions.				2	8	11	2	2	3	51
19. Heart Disease.					1	2	2	2	3	7
20. Other diseases of the circulatory system.					1	2	2	3	2	7
21. Bronchitis.								5	2	10
22. Pneumonia.		1						2	1	3
23. Other Respiratory diseases.		3						2	1	3
24. Ulceration of the stomach or duodenum.										1
25. Diarrhoea (under 2yrs of age).		1								1
26. Appendicitis.										1
27. Other Digestive diseases.										-
28. Nephritis.					1	1	2			2
29. Puerperal and post-abortive sepsis.										4
30. Other Maternal causes.										-
31. Premature Birth.										2
32. Congenital malformations, birth injury, infantile dis		2								2
33. Suicide.		2								-
34. Road Traffic Accidents.							1			1
35. Other Violent causes.			1							2
36. All other causes.		1	1		2	3	1	5		13.

No.	Plant Name	1	2	3	4	5	6	7	8	9	10	11	12	13
10	...	1												
11	...	1												
12	...	1												
13	...	1												
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B. GENERAL PROVISION OF HEALTH SERVICES OF THE AREA.

i. Public Health Staff.

A list of Public Health Officers is set out on the front page of this report.

ii. Public Health Services.

(a) Laboratory Services.

Examinations of Sputa, Swabs and blood are carried out by the Department of Preventive Medicine Bristol University, through an arrangement with the County Council.

(b) Ambulance Facilities.

The St. Johns Ambulance Brigade and the Bristol City and Marine Ambulance Corps continue to serve the district for accidents and ordinary cases. Their service is efficient and satisfactory, and is adequate for the needs of the area. For cases of infectious diseases the ambulance of the Mangotsfield and Warmley Joint Hospital Committee is also used.

iii. Hospitals.

Table shown below gives details of patients treated in hospital.

Hospital.	Number of patients	Total number of days.	Average no. of days per patient.
<u>Mangotsfield Isolation.</u>			
Scarlet Fever	4	137	34.25
Diphtheria	-	-	-
Erysipilas	2	10	5
Measles	1	13	13
<u>Ham Green.</u>			
Meningitis	1	13	13
Diphtheria	1	18	18
Pnuemonia	1	21	21
Enteritis	1	6	6
Whooping Cough . . .	1	28	28

GENERAL REVIEW OF THE SERVICES OF THE AREA

B.

1. Public Health Staff.
 A list of Public Health Officers is set out on the front page of this report.

2. Public Health Services.

(a) Laboratory Services.

Examinations of Sputa, Swabs and blood are carried out by the Department of Preventive Medicine, Bristol University, through an arrangement with the County Council.

(b) Dispensing Facilities.

The St. Johns Ambulance Brigade and the Bristol City and Marine Ambulance Corps continue to serve the district for accidents and ordinary cases. Their service is efficient and satisfactory, and is adequate for the needs of the area. For cases of infectious diseases the ambulance of the Hengrovefield and Wesley Joint Hospital Committee is also used.

III. Hospitals.

Table shown below gives details of patients treated in Hospital.

Hospital.	Number of patients	Total number of days.	Average no of days per patient.
<u>Hengrovefield Hospital.</u>			
Scarlet Fever	4	137	34.25
Diphtheria	2	10	5
Erysipelas	1	13	13
Malaria	1	13	13
<u>St. John's Hospital.</u>			
Scarlet Fever	1	13	13
Diphtheria	1	18	18
Pneumonia	1	21	21
Erysipelas	1	6	6
Whooping Cough	1	28	28

C. SANITARY CONDITIONS OF THE AREA.

1. WATER SUPPLY.

Supply; West Gloucestershire Water Company.

Analysis of sample of Shipton Moyne -Consumers House tap - chlorinated water taken 7th Jan 47.

Chemical results expressed in parts per million.

Appearance ... Bright with very slight flocculent deposit of mineral debris.
Turbidity (Silica Scale) less than 5

Colour (Hazen) ... Nil. Odour ... Nil.
Reaction, pH ... Neutral, 7.3 Free Carbon Dioxide 20.
Electric conductivity at 20° C 610. Alkalinity as CaCO₃ 245.

Ca.	Mg.	Na.	CO ₃	SO ₄	Cl	NO ₃	SiO ₂	Probable combinations.
79	9	-	147	44	47	Nil	16	
79	9	5	118					Calcium Carbonate 197
		21	22					Magnesium " 31
		30	7	44				Sodium Carbonate 12
					47			Sodium Sulphate 65
								Sodium Chloride 77
							16	Silica 16
								Difference 9
Total solid constituents dried at 180° C								407

Hardness total .. 230 Carbonate(Temporary)..230 Non-Carbonate (permanent).. 0
Nitrogen in Nitrates 0.0 Nitrogen in Nitrites less than 0.01
Free Ammonia 0.20 Free Chlorine Absent
Albuminoid Ammonia 0.000 Oxygen absorbed in 4 hrs at 270 C 0.00
Metals, iron 0.26 Other metals absent.

BACTERIOLOGICAL RESULTS.

No of Colonies developing on Agar per cc or ml in. { 1 day at 37° 2 days at 37° 3 days. 20°
o o o
Presumptive Coliform Reaction. Present in.. - Absent from .. 100 ml
Bact. coli. ... " " - " " 100 ml
Cl. welchii Reaction ... " " - " " 100 ml

(Taken by Mr. Gordon Miles,
Counties Public Health Laboratories.

o o o

2. DRAINAGE AND SEWERAGE.

During 1946, 73 new houses were connected to the sewers.

QUALITY CONDITIONS OF THE WATER

WATER SUPPLY

Supply: West Gloucestershire Water Company.

Analysis of sample of water from - Consumers House 74 -
 undisturbed water taken 7th Jan 1917.

Chemical results expressed in parts per million.

Appearance ... bright with very slight fluorescent deposit
 of mineral matter.
 Turbidity (Silt and Solids) less than 5
 Colour (Lambert) ... Nil.
 Reaction, pH ... Neutral, 7.5 Free Carbon Dioxide 30.
 Electric conductivity ... Nil.
 Alkalinity as CaCO₃ 215.
 Other ... Nil.

mg. per gallon	ppm	mg. per gallon	ppm	mg. per gallon	ppm	mg. per gallon	ppm
118	118	115	115	115	115	115	115
22	22	22	22	22	22	22	22
7	7	7	7	7	7	7	7
21	21	21	21	21	21	21	21
30	30	30	30	30	30	30	30
16	16	16	16	16	16	16	16
115	115	115	115	115	115	115	115

Total solid constituents listed at 150° C

Hardness total .. 250 Carbonate (Temporary) .. 250 Non-Carbonate
 Nitrogen in Nitrate ... 0.0 Nitrogen in Nitrite less than
 (partly) ..
 Free Ammonia .. 0.50 Free Chlorine .. 0.00
 Almost no Ammonia .. 0.000 Oxygen absorbed in 4 hrs
 at 57° C .. 0.00
 Metals, from .. 0.26 Other metals absent.

BACTERIOLOGICAL RESULTS

No of Colonies developing on
 Agar per cc or ml in
 1.0 ml at 37° 2 days at 37° 2 days
 Presumptive Coliform Reaction. Present in .. Absent from ..
 Total coli. ...
 Coliform Reaction ...

(Taken by Mr. Gordon Elliot)

Committee Public Health Laboratory

WATER AND SEWERAGE

During 1916, 73 new houses were connected to the sewers.

3. RIVERS AND STREAMS.

No special action was necessary during the year.

3/ 1. CLOSET ACCOMMODATION.

Water Carriage system is general throughout the district ther only being a few exceptions in outlying positions.

ii. PUBLIC CLEANSING.

The whole district is regularly scavanged weekly, and a regular Salvage Scheme in operation.

iii. SANITARY INSPECTIONS OF THE AREA.

(a)	(a)	Inspections made	63
	(b)	Nuisances discovered or reported	3
	(c)	" " (swine only)	-
	(d)	Informal notices sent	30
	(e)	Statutory notices sent	3
	(f)	Summonses issued	-
	(g)	Convictions obtained	-
	(h)	Number of houses disinfected	6
	(i)	Method of disinfection used	Fumiform.

(b) Premises or occupations subject to Statutory Control.

(a)	Factories.	Number inspected.....	14
		Number of inspections ..	14
		Action taken under Factories act, 1937;- ..	-
(b)	Factories (Non Mechanical power)	Number inspected;-	10
		Number of inspections...	10
		Action taken	-
(c)	Bakehouses.	Number inspected	8
		Number of inspections...	8
		Action taken	-
(d)	Offensive trades.	Number inspected;-	Nil.
		Number of inspections...	-
		Action taken.	-
(e)	Outworkers residences.	Number inspections	Nil.
(f)	Canal Boats etc. " "	Nil.
(g)	Dairies, Cow Sheds, Milk Shops etc.	Number inspected.....	13
		Number of inspections...	15
		Action taken.	1

D. HOUSING.

73 buildings were completed during the year.

E. INSPECTION AND SUPERVISION OF FOOD.

(a) Milk Supply.

The Sanitary Inspector keeps a Register of Milk producers and milk retailers, and he inspects dairies, shops etc and takes samples of milk for bacterial content and tubercle bacilli.

(b) Meat and other foods.

The slaughtering of animals is mainly carried out at the Central Abatoir, Bristol, instead of the private slaughter houses as in pre-war years.

No special action was necessary during the year.

3. CEMENT ACTION OFFICER

Water carrying system in general throughout the district has been a few excavations in existing positions.

11. PUBLIC CLEANLINESS

The whole district is regularly scavenged weekly, and a regular bullock cart is in operation.

111. SANITARY INSPECTIONS BY THE AREA

(a)	(1) Method of disinfection used	10
	(2) Number of houses disinfected	10
	(3) Convictions obtained	0
	(4) Summonses issued	0
	(5) Statutory notices sent	0
	(6) Inspected notices sent	0
	(7) " " (same only)	0
	(8) Houses discovered or reported	0
	(9) Inspections made	0

(b) Premises or occupations subject to Statutory Control

(a) Factories	Number inspected	11
	Number of inspections	11
	Action taken under Statutes	0
	Sum, 1927	0
(b) Factories (Non-Mechanical Power)	Number inspected	10
	Number of inspections	10
	Action taken	0
	Sum, 1927	0
(c) Establishments	Number inspected	8
	Number of inspections	8
	Action taken	0
(d) Offensive Trades	Number inspected	11
	Number of inspections	11
	Action taken	0
(e) Outfitter Establishments	Number inspected	11
	Number of inspections	11
(f) Coal Bore etc	Number inspected	11
	Number of inspections	11
(g) Dairies, Cow Sheds, Milk Stalls etc.	Number inspected	15
	Number of inspections	15
	Action taken	1

12. HOUSING

75 buildings were completed during the year.

13. INSPECTION AND SUPERVISION OF FOOD

(a) Milk Supply
The Sanitary Inspector keeps a register of milk producers and milk retailers, and he inspects dairies, shops etc and takes samples of milk for bacterial content and tubercle bacilli.

(b) Meat and other foods
The slaughter of animals is strictly carried out at the Central Slaughter, instead of the private slaughter houses as in previous years.

F. PREVALENCE OF, AND CONTROL OF, INFECTIOUS AND OTHER DISEASES.

(a) Diphtheria.

The Diphtheria Immunisation Scheme is still in force and being administered by the Gloucestershire County Council. School children are treated in schools, and children under school age at the Soundwell Clinic. Immunisation in relation to child population.

Age at 31.12.46.	-1	1-	2-	3-	4-	5-9	10-14	Total	-15
No. Immunised.	28	85	209	155	148	1160	869	2654.	

(b) Table showing the incidence of infectious diseases in the wards.

<u>Disease.</u>	<u>Downend.</u>	<u>Soundwell.</u>	<u>Mangotsfield.</u>
Scarlet Fever.	4	2	-
Diphtheria.	-	-	-
Enteric Fever.	-	-	-
Pneumonia.	1	2	-
Erysipilas.	-	-	4
Measles.	19	-	-
Whooping Cough.	4	4	-
Dysentery.	1	-	-
<u>Totals.</u>	<u>29</u>	<u>8</u>	<u>4</u>

SHOPS AND OFFICES.

No action was taken under the Shops Act, 1934 of the Public Health Act 1936.

No new shops were constructed during the year.

SMOKE ABATEMENT.

- (a) Observations made;- 3
- (b) Complaints received;- 1
- (c) Notices served and nuisance abated 1

SWIMMING POOLS.

There are no swimming baths or pools in the district.

ERADICATION OF BED BUGS.

- (a) Number of Council Houses found to be infected;- 1
- (b) Number of Council Houses disinfected ... 1
- (c) Number of other houses found to be infected;- 2
- (d) Number of other houses disinfected;- ... 3

PREVALENCE OF AND CONTROL OF INFECTIOUS AND OTHER DISEASES

(a) Diphtheria
 The diphtheria investigation covers the entire town and field stations in the district. Cases reported, school children are treated in school, and other children are at the school clinic. Information is related to other population. Age of 12, 10, 8, 6, 4, 2, 1, 0 - Total 45. No. reported 38. 88 800 100 100 100.

(b) Table showing the incidence of infectious diseases in the year.

Disease	Incidence	Deaths
Diphtheria	38	4
Scarlet Fever	1	0
Measles	1	0
Whooping Cough	1	0
Typhoid	1	0
Other	1	0
Total	43	4

REPORT AND OFFICER
 The officer was taken under the name of J. H. Smith, Public Health Act 1926. In the year were conducted during the year.

REPORT AND OFFICER
 (a) Observations made:
 (b) Complaints received:
 (c) Notices served and substance thereof:

REPORT AND OFFICER
 There are no existing cases of pools in the district.

REPORT AND OFFICER
 (a) Number of Council houses found to be infested:
 (b) Number of other houses found to be infested:
 (c) Number of Council houses found to be infested:
 (d) Number of other houses found to be infested:

1. ...
 2. ...
 3. ...
 4. ...
 5. ...

1. ...
 2. ...
 3. ...
 4. ...

No record of the following diseases was reported during 1901-

1. ...
 2. ...
 3. ...

1. ...
 2. ...
 3. ...

1. ...
 2. ...

1. ...

1. ...

TUBERCULOSIS.

- (i) There were 12 new cases reported during the year.
- (ii) There were 6 deaths during the year, 5 being pulmonary, and 1 non-respiratory.

The following tables show sex, and ages of the new cases notified during the year.

Age.	Respiratory.		Non -Respiratory.	
	M.	F.	M.	F.
5-	2			
15-	2	2	2	
25-		2		
35-				
55-	2			
65-				
Total;	6	4	2	

TUBERCULOSIS

(i) There were 12 new cases reported during the year.

(ii) There were 6 deaths during the year, 5 being pulmonary, and 1 non-pulmonary.

The following table shows sex, and ages of the new cases notified during the year.

Age	Pulmonary		Non-pulmonary	
	M.	F.	M.	F.
0-4	2			
5-9	2		2	
10-14			2	
15-19				
20-24				
25-29				
30-34				
35-39				
40-44				
45-49				
50-54				
55-59				
60-64				
65-69				
70-74				
75-79				
80-84				
85-89				
90-94				
95-99				
Total:	4	0	4	0