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Contributors

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ANNUAL REPORT OF THE MEDICAL OFFICER OF HEALTH
FOR THE EPPING RURAL DISTRICT FOR THE YEAR 1944.

GENERAL STATISTICS

Area	...	...	...	...	...	...	34,856 acres
Resident Population Mid 1944 (Estimated)	...	...	...	...	...	...	16,350
Number of Inhabited Houses (end of 1944)	...	...	...	...	...	...	
according to Rate Books	...	...	...	...	...	...	4,912
Rateable Value	...	...	...	...	...	...	£92,924
Sum represented by a Penny Rate	...	...	...	...	...	...	£368
Rainfall for the Year:-						1944	
January	...	...	...	...	...	1.57	
February	...	...	...	...	...	.79	
March	...	...	...	...	...	.04	
April	...	...	...	...	...	1.38	
May	...	...	...	...	...	.70	
June	...	...	...	...	...	1.01	
July	...	...	...	...	...	.72	
August	...	...	...	...	...	3.20	
September	...	...	...	...	...	2.64	
October	...	...	...	...	...	3.37	
November	...	...	...	...	...	3.15	
December	...	...	...	...	...	1.30	
						<u>19.87</u>	

EXTRACTS FROM VITAL STATISTICS OF THE YEAR

						Birth Rate per 1000 of the estimated resident population
Live Births	Legitimate	M. 132	F. 132	Total		17.19
	Illegitimate	10	7	281		
						Still Birth Rate per 1000 total (live and still) births
Still Births	Legitimate	3	5	9		31.03
	Illegitimate	-	1			
						Death rate per 1000 of the estimated average population
Deaths	...	109	83	192		11.74
Deaths from puerperal causes (Headings 29 and 30/ of the Registrar General's Short List):-						
No. 29	Puerperal Sepsis	...	...	...	Deaths	Nil
No. 30	Other maternal causes	...	...	...		Nil
Deaths of infants under one year of age:-						
		M.	F.	Total		
	Legitimate	8	2	10		
	Illegitimate	Nil	Nil			
Death Rate of Infants under one year of age:-						
All Infants per 1000 live births						35.58
Legitimate Infants per 1000 legitimate live births						35.58
Illegitimate Infants per 1000 illegitimate live births						Nil.
Deaths from Cancer (all ages)						27
"	"	Measles (all ages)	...	...	...	Nil
"	"	Whooping Cough (all ages)	...	...	...	Nil
"	"	Diarrhoea (under 2 years of age)	...	...	...	Nil
Ages at which Deaths occurred:-						
Under 1 year						10
1 and under 2						1
2 and under 5						2
5 and under 15						6
15 and under 25						3
25 and under 35						2
35 and under 45						14
45 and under 55						8
55 and under 65						30
65 and under 75						52
75 and upwards						64
						<u>192</u>

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

Nineteen cases of Scarlet Fever were notified during the year.
One hundred and ninety children were immunised against Diphtheria.
(Total to end of Year 3,823). There were no cases notified.

W. F. BRISKING.
Medical Officer of Health.

NOTIFIABLE DISEASES DURING THE YEAR

	All Ages	Under 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 10	10 to 15	15 to 20	20 to 35	35 to 45	45 to 65	Over 65
Scarlet Fever	19	-	1	1	1	-	9	5	-	-	1	1	-
Pneumonia	17	-	1	-	-	-	4	1	-	5	5	2	1
Erysipelas	3	-	-	-	-	-	-	-	-	-	1	1	1
Puerperal Pyrexia	2	-	-	-	-	-	-	-	-	-	2	-	-
Infective Hepatitis	28	-	-	-	-	-	5	9	4	5	2	2	1
Dysentery	3	-	-	-	1	-	-	-	-	2	-	-	-
Measles	115	1	2	12	10	6	68	6	4	4	2	-	-
Whooping Cough	101	10	15	9	9	24	31	1	-	1	-	1	-
Malaria	1	-	-	-	-	-	-	-	-	1	-	-	-
Relapsing Fever	1	-	-	-	-	-	-	-	-	-	1	-	-
Totals	290	11	19	22	21	30	117	22	8	16	14	7	3

TUBERCULOSIS

Age Periods	New Cases				Deaths			
	Pulmonary		Non- Pulmonary		Pulmonary		Non- Pulmonary	
	M.	F.	M.	F.	M.	F.	M.	F.
Under 1	-	-	-	-	-	-	-	-
1 - 5	-	-	1	-	-	-	-	-
5 - 15	1	-	-	5	-	-	-	-
15 - 25	1	-	1	1	-	-	-	-
25 - 35	2	8	2	-	1	-	-	-
35 - 45	1	1	1	-	-	-	-	-
45 - 55	-	3	-	-	-	2	-	-
55 - 65	1	-	-	-	1	-	-	-
65 and upwards	1	-	-	-	1	-	-	-
Totals	7	12	5	6	3	2	-	-

NOTIFIABLE DISEASES DURING THE LAST FIVE YEARS

Disease	1940	1941	1942	1943	1944
Scarlet Fever	51	15	30	56	19
Diphtheria	10	4	3	-	-
Typhoid and Paratyphoid	-	-	1	-	-
Pneumonia	22	14	24	42	17
Erysipelas	8	6	-	5	3
Puerperal Fever and Pyrexia	6	-	1	1	2
Measles	87	511	9	298	115
Whooping Cough	5	266	50	5	101
Cerebro-Spinal meningitis	5	1	1	-	-
Dysentery	-	5	-	1	3
* Infective Hepatitis	-	-	-	8	23

* Became notifiable in November 1943.

Report of the Chief Sanitary Inspector relating
to the Water Supply in the Area

The water supply in the Area is generally satisfactory being supplied by the Herts. & Essex Waterworks Company. It is sufficient in quantity and of a good standard of purity. Samples are taken periodically both by the Council's Officers and the Water Company. Reports in respect of these are transmitted, in the event of the Water Company taking the sample, to the Health Authority or vice versa.

The water is chlorinated before going into supply. Samples have been taken of the raw water and after treatment. Twelve samples were taken during the year, all being satisfactory, and reports of specimen samples are as follows:-

Before Treatment - Bacteriological Examination

Date: 27.11.44. 3.40 p.m.
Taken from: Aerating Fountain, No.1 Well, Sawbridgeworth.

Smallest quantity of water producing acid and gas in Bile-Salt Lactose Broth after 2 days incubation at 37°C. (Presumptive Bacillus Coli Test)	Present - Absent 100 c.c.
Smallest quantity of water containing the Bacillus Coli	Present - Absent 100 c.c.
Smallest quantity of water giving the reaction of the B. Welchii (Bacillus Enteritidis Sporogenes)	Present - Absent 100 c.c.

This is a very satisfactory sample of the raw water. It is clear and bright in appearance and of the highest standard of bacterial purity, indicative of a pure and wholesome water, suitable for the purposes of a public supply.

(Signed) Charles W. Martin, F.R.I.C.
Gordon Miles, B.Sc., F.R.I.C.

After Treatment - Bacteriological Examination

Date: 19.12.44. 3.15 p.m.
Taken from: Standpipe, Scott's Bakery, Potter Street, Harlow.

Number of Colonies per cubic centimetre or millilitre of water growing upon Agar in 37°C. in 1 day	3
Number of Colonies per cubic centimetre or millilitre of water growing upon Agar in 37°C. in 2 days	4
Number of Colonies per cubic centimetre or millilitre of water growing upon Agar at 20°C. in 3 days	12
Smallest quantity of water producing acid and gas in Bile-Salt Lactose Broth after 2 days incubation at 37°C. (Presumptive Bacillus Coli Test)	Present - Absent 100 c.c.
Smallest quantity of water containing the Bacillus Coli	Present - Absent 100 c.c.
Smallest quantity of water giving the reaction of the B. Welchii (Bacillus Enteritidis Sporogenes)	Present - Absent 100 c.c.

This sample is clear and bright in appearance and of very satisfactory bacterial purity.

The water is considered pure and wholesome and suitable for drinking and domestic purposes.

(Signed) Charles W. Martin, F.R.I.C.
Gordon Miles, B.Sc., F.R.I.C.

After Treatment - Chemical and partial Bacteriological examination

Date: 20.6.44. 4.10 p.m.

Taken from: Kitchen tap, Epping Upland.

CHEMICAL RESULTS IN PARTS PER 100,000

Appearance:	Clear and bright		
Colour:	Normal	Odour:	Nil
Reaction pH	Neutral: 7.3	Free Carbonic Acid:	2.1
Electric Conductivity at 20°C.			650
Total Solids, 180°C.			43.5
Chlorine in Chlorides:	2.6	Alkalinity as Calcium Carbonate:	30.0
Nitrogen in Nitrates:	0.00	Nitrites:	Absent
Hardness: Permanent	7.0		
Temporary	28.0		
Total	35.0		
Metals:	Iron: 0.007	Other metals	absent
Free Ammonia:	0.0000	Ammoniacal Nitrogen:	-
Albuminoid Ammonia:	0.0000	Albuminoid Nitrogen:	-
Oxygen absorbed in 4 hrs. at 27°C.:	0.015		
Free chlorine reaction:	Absent		

BACTERIOLOGICAL RESULTS

Bacteriological sample dechlorinated on collection.

No. of Bacteria per c.c. or ml.

On Agar in 3 days at 20°C.	40
1 day at 37°C.	1
2 days at 37°C.	4

The Bacillus Coli:	Present in	-	Absent in	100 c.c.
Bacillus Welohii	Present in	-	Absent in	100 c.c.
(B. Enteritidis Sporogenes)				

Report:

This sample is clear and bright in appearance, neutral in reaction, and free from metals apart from an insignificant trace of iron. The water is very hard in character although not to an abnormal degree, contains no excess of saline or mineral matter in solution, and is of the highest standard of organic and bacterial purity.

It is therefore considered pure and wholesome in character and suitable for drinking and domestic purposes.

(Signed) E.V. Suckling.

For Drs. Beale and Suckling.

The water is not liable to have plumbo-solvent action and as the results of the samples are good no action has been taken regarding contamination.

The following areas are in need of a main supply of water:-

Newmans End, Matching.
Church Road, Great Parndon.
Cottages at Latton Mill, Latton.
Avenue Road, Dobbs Weir, Roydon.
Premises situated along the Tow Path, from Dobbs Weir to Carthage Lock in the Parishes of Roydon and Nazeing respectively.
The Glen Faba and Riverfields Estates, Roydon.

These matters have been the subject of Reports made to the Council and in consequence estimates are being prepared in respect of the proposed schemes, which will be submitted to the County Council in due course under the provisions of the Rural Water Supplies and Sewerage Act, 1944, for the purpose of obtaining grants to enable the work to be carried out.

Approximately 90% of the dwelling houses have a piped supply of water direct to the house. The remainder are mostly supplied by standpipes, whilst a few derive the supply from wells.

(Signed) H. J. HEBLEY

Chief Sanitary Inspector.