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Contributors

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Brentwood Urban District Council

C.D. Kemp

ANNUAL REPORT

OF THE

MEDICAL OFFICER

OF HEALTH

FOR

1943

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Brentwood Urban District Council

MEMBERS OF COUNCIL

Chairman : Councillor H. J. Farrow, J.P.

Vice-Chairman : Councillor E. G. Stone.

Councillors :

Mrs. E. A. F. Banwell.	W. E. Lane.
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G. A. Joslin.	S. A. Wilson.
H. J. Kirby.	S. J. Wingrave.

PUBLIC HEALTH STAFF.

MEDICAL OFFICER OF HEALTH (Part Time) :

B. Fraser Beatson, M.R.C.S., L.R.C.P., D.P.H., D.T.M. & H.
(late Indian Medical Service and R.A.F. Medical Service).

BACTERIOLOGIST AND ANALYST :

E. V. Suckling, M.B., B.S., D.P.H.,
The Counties Public Health Laboratories,
Gidea Park, Essex.

SENIOR SANITARY INSPECTOR :

F. G. Spencer, M.R.San.I., Sanitary Inspector, Meat and Food
Inspector, and Smoke Inspector, Royal Sanitary Institute.

ADDITIONAL SANITARY INSPECTOR :

(Vacant since March, 1942).

CLERKS AND SHORTHAND TYPISTS :

Miss R. E. M. Bailey.
Miss V. L. Ledden.

BRENTWOOD URBAN DISTRICT COUNCIL.

Annual Report of the Medical Officer of Health for the year 1943.

Mr. Chairman, Ladies and Gentlemen,

I beg to present my Annual Report for the year 1943, drawn up in the now familiar war-time form. I am indebted to the Senior Sanitary Inspector for collaboration in its preparation.

Although the administration of Civil Defence Services is not detailed in this report very many hours were occupied by this work.

My thanks are due to all members of my staff for their unfailing loyalty, efficiency and help throughout the year whereby my responsibilities were lightened and a happy spirit maintained within the Department.

I am,

Your obedient Servant,

B. FRASER BEATSON,

Medical Officer of Health.

SECTION B.

SANITARY CIRCUMSTANCES OF THE AREA.

Water Supply.

During the year 27 samples of water were taken and submitted for bacteriological and for chemical analysis with the following results :—

- 10 samples from public supplies ; these were satisfactory.
- 6 samples from wells ; four of these proved to be unsatisfactory.
- 11 samples were taken from swimming baths. Three of these relating to a private bath were found to be unsatisfactory.

The supply of water from the two Companies which serve the district is constant and sufficient, and is kept under regular analytical observation. All samples have been reported to be pure and wholesome, and suitable for domestic purposes. The waters are not plumbo-solvent.

There are twenty houses which are supplied with main water by means of stand pipes, representing a proportion of about 0.2% of the population.

Sanitary Inspection of the Area.

	Inspections.	Re-inspections.
Housing Consolidated Regulations	1	—
Housing (Overcrowding)	7	—
Sanitary Defects	180	243
Infectious Diseases	90	2
Verminous or Dirty	21	30
Water Supply	6	9
Factories—Power	3	—
Factories—Non-Power	2	—
Bakehouses	15	—
Drains Inspected	19	15
Drains Tested	3	—
Sewers	1	—
Cesspools	8	2
Accumulations of Refuse	4	—
Swine, Fowls, etc.	2	1
Tips, etc.	2	—
Rat Infested Premises	95	146
Ponds, Ditches, Watercourses	18	17
Council Houses	15	—
Miscellaneous Visits	103	—

Civil Defence.

Decontamination Services	43	—
Public Shelters	8	—

Food Inspection.

Slaughterhouses	....	....	2	—
Meat Shops	....	....	101	—
Provision and Other Food Shops	....	....	151	—
Dairies and Milk Shops	....	....	31	—
Cowsheds	....	....	150	—
Knackers Yards—Day	....	....	83	—
Knackers Yards—Evening	....	....	1	—
Samples of Milk	....	....	44	—
Samples of Water	....	....	16	—
Samples from Swimming Pools	....	....	11	—
Horseflesh Shops	....	....	1	—
Samples of Food	....	....	1	—

Number of Complaints received — 383.

Owing to the continuing vacancy in the post of Additional Sanitary Inspector certain of the above inspections were made by the Medical Officer of Health.

SECTION C.**HOUSING.**

1. (a) Number of dwelling-houses inspected for housing defects (under Public Health or Housing Acts) 168
- (b) Number of inspections made for the purposes 220
2. Number found not to be in all respects reasonably fit 121
3. Remedy of Defects during the year without service of Formal Notices :—
 - Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their Officers 95
4. Action under Statutory Powers during the year :—
 - (a) Proceedings under Sections 9, 10 and 16 of the Housing Act, 1936 :—
 - (1) Number of dwelling-houses in respect of which notices were served requiring repairs Nil
 - (2) Number of dwelling-houses which were rendered fit after service of formal notices :—
 - (a) By Owners Nil
 - (b) By Local Authority in default of Owners Nil

(b) Proceedings under Public Health Acts :—

- | | | |
|--|-------|-----|
| (1) Number of dwelling-houses in respect of which notices were served requiring defects to be remedied | ..... | 1 |
| (2) Number of dwelling-houses in which defects were remedied after service of formal notices :— | | |
| (a) By Owners | ..... | 1 |
| (b) By Local Authority in default of Owners | ..... | Nil |

SECTION D.**INSPECTION AND SUPERVISION OF FOOD SUPPLIES.****Milk Sampling.****Accredited Producers—**

Number of samples taken	.....	15
Number of samples satisfactory	.....	15

All samples submitted to Methylene Blue and Coliform Tests.

Pasteurised Milk—

Number of samples taken	.....	16
Number of samples satisfactory	.....	12
4 samples failed to pass the Bacteriological Test.		

Undesignated Milk—

Number of samples taken	.....	13
Number of samples satisfactory	.....	11

All samples submitted to Bacteriological and Coliform Tests.

Meat and Other Foods.

Number of inspections	.....	252
Total weight of meat and other foodstuffs condemned—		
	15 cwts. 3 qtrs. 12 lbs.	

Knackers Yards.

Number of Premises	.....	1
Number of inspections	.....	84

SECTION E.

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

Scarlet Fever.

There was a rise in the incidence of this disease in comparison with the previous year, the period of normal school life showing the largest figures. Scarlet Fever, however, is now a mild disease as a rule and the need for the regular hospitalization of every case is more than doubtful. Except in certain circumstances home nursing might be given more encouragement.

Diphtheria.

The number of cases occurring during the year is the lowest ever recorded in the District. That the influence of Immunisation is making itself felt can hardly be doubted. No immunised child suffered from the disease. There is still plenty of public apathy to be combated however, as in households where Diphtheria has occurred it has been found on enquiry that the parents procrastinated without reason and to their ultimate regret, although fully aware of the facilities provided for Immunisation.

Immunisation—The following figures show the attendances at the Medical Officer of Health's Clinic. In addition a certain number of Immunisations were carried out by General Practitioners.

Thanks are again due to the County Medical Officer for the use of the County Council's Treatment Centre in Queens Road. Valuable assistance at Immunisation Sessions was given by the Sister-in-Charge of the Mobile Unit and members of her staff, thus releasing the County Council's Health Visitors for other duties.

Medical Officer of Health's Clinic.

Children who had received a first dose in 1942	236	} Immunisation completed.
Children who received both doses in 1943	434	
Children who received a first dose in 1943	39	

Total 709

Measles.

This disease which was quiescent during the previous year, following on the widespread epidemic of 1941, again showed a marked increase. The incidence was confined to the early part of the year, some 90% of cases being notified during the first quarter.

Influenza.

A wave of Influenza struck the Country generally towards the close of the year. This District was probably more fortunate than many others. At the request of the Ministry of Health arrangements were made with voluntary organisations such as the British Red Cross Society and the Women's Voluntary Services for domestic help to be provided in households where on the recommendation of a doctor or nurse such assistance was deemed to be essential.

Jaundice.

An addition was made to the list of Notifiable Diseases by order of the Ministry of Health in November, 1943, when all cases of Jaundice were made notifiable in the Eastern Region of England.

The order is designed to assist in the investigation of that group of diseases which have jaundice as a common sign and has special reference to the condition now known as Acute Infective or Epidemic Hepatitis.

Scabies.

Under the Scabies Order facilities for treatment by bathing and application of Benzyl Benzoate were available at "Oakbank" where good service was rendered by members of the Civil Defence Casualty Service.

MISCELLANEOUS.

Schools.—School Medical Inspection carried out under the auspices of the Essex County Council showed that the nutrition of elementary school children in the district was well maintained; in fact in some cases there seemed to be an increase in the numbers of those showing nutrition above the average. Much of this satisfactory state of affairs was no doubt due to the excellent dinners provided at Schools and to the Milk in Schools scheme.

ANALYSIS OF NOTIFIABLE DISEASES UNDER AGE GROUPS.

Disease.	Age Groups.												Total	
	Under 1	1-2	2-3	3-4	4-5	5-10	10-15	15-20	20-35	35-45	45-65	65 and over		
Scarlet Fever ...	...	1	4	4	9	11	45	22	3	5	2	1	—	107
Diphtheria ...	...	—	—	1	1	4	3	2	3	1	—	—	—	15
Puerperal Pyrexia ...	...	—	—	—	—	—	—	—	—	3	2	—	—	5
Pneumonia ...	...	2	3	2	—	2	2	3	2	12	9	8	4	49
Dysentery ...	...	—	—	—	—	—	1	—	2	3	7	10	8	31
Erysipelas ...	...	—	—	—	—	—	—	—	—	—	—	1	1	2
Cerebro-Spinal Fever ...	...	1	—	—	—	—	—	1	—	—	—	1	—	3
Whooping Cough ...	...	8	15	17	14	12	23	2	—	1	—	1	—	93
Measles ...	...	14	32	53	64	81	319	58	13	15	3	1	—	653
Typhoid ...	...	—	—	—	—	—	1	—	—	—	—	—	—	1
Jaundice ...	...	—	—	—	—	—	—	—	—	—	3	2	—	5

1. The first part of the paper is devoted to a general discussion of the problem. It is shown that the problem is of great importance in the theory of the structure of the atom.

2. In the second part of the paper, the author considers the case of a single electron. It is shown that the problem can be reduced to a system of ordinary differential equations. The solution of these equations is obtained in the form of a series in powers of the fine structure constant.

3. In the third part of the paper, the author considers the case of a multi-electron atom. It is shown that the problem can be reduced to a system of ordinary differential equations. The solution of these equations is obtained in the form of a series in powers of the fine structure constant.

4. In the fourth part of the paper, the author considers the case of a multi-electron atom. It is shown that the problem can be reduced to a system of ordinary differential equations. The solution of these equations is obtained in the form of a series in powers of the fine structure constant.

5. In the fifth part of the paper, the author considers the case of a multi-electron atom. It is shown that the problem can be reduced to a system of ordinary differential equations. The solution of these equations is obtained in the form of a series in powers of the fine structure constant.

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10. In the tenth part of the paper, the author considers the case of a multi-electron atom. It is shown that the problem can be reduced to a system of ordinary differential equations. The solution of these equations is obtained in the form of a series in powers of the fine structure constant.

11. In the eleventh part of the paper, the author considers the case of a multi-electron atom. It is shown that the problem can be reduced to a system of ordinary differential equations. The solution of these equations is obtained in the form of a series in powers of the fine structure constant.

12. In the twelfth part of the paper, the author considers the case of a multi-electron atom. It is shown that the problem can be reduced to a system of ordinary differential equations. The solution of these equations is obtained in the form of a series in powers of the fine structure constant.

13. In the thirteenth part of the paper, the author considers the case of a multi-electron atom. It is shown that the problem can be reduced to a system of ordinary differential equations. The solution of these equations is obtained in the form of a series in powers of the fine structure constant.

14. In the fourteenth part of the paper, the author considers the case of a multi-electron atom. It is shown that the problem can be reduced to a system of ordinary differential equations. The solution of these equations is obtained in the form of a series in powers of the fine structure constant.

15. In the fifteenth part of the paper, the author considers the case of a multi-electron atom. It is shown that the problem can be reduced to a system of ordinary differential equations. The solution of these equations is obtained in the form of a series in powers of the fine structure constant.

