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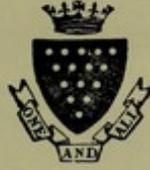
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**Cornwall County Council.**

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**Sanitary Committee,**

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**ANNUAL REPORT,**  
**VITAL STATISTICS,**  
**And Meteorological Summary**  
**for 1908.**

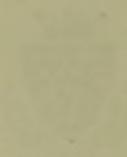
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TRURO :

BLACKFORD, ROYAL PRINTERIES,

1909.



Franklin County Council

Annual Report

ANNUAL REPORT

VITAL STATISTICS

And Meteorological Summary

for 1908

Printed by

Franklin County Council

# CORNWALL COUNTY COUNCIL

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## County Sanitary Committee :

MR. WILLIAM COLE PNDARVES,  
Chairman of the County Council (*Ex. Officio*).

MR. WILLIAM HAWK,  
Vice-Chairman of the County Council (*Ex. Officio*).

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THE HONORABLE JOHN R. de C. BOSCAWEN, Chairman.  
MR. JAMES HENDY, Truthan, St. Erme, Truro, Vice-Chairman.

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MR. GEORGE BERINGER, 18, Meneage Street, Helston.  
,, JOHN DAVIES ENYS, Enys, Penryn.  
,, THOMAS REGINALD GRILLS, Falmouth.  
,, FREDERICK WILLIAM JENKIN, Boscundle, Par Station.  
,, JAMES WALTER LAWRY, Tharsis Villa, Calstock.  
,, JOHN PARNELL, Trecarne, Camelford.  
,, JOHN MICHAEL NICHOLLS, The Terrace, St. Ives.  
,, HENRY MONTAGUE ROGERS, Helston.  
,, RICHARD JOHN RUNNALLS, Fore Street, Copperhouse, Hayle.  
,, JOHN SPEAR, Penyoke, Cargreen, Hatt, R.S.O.  
,, CHARLES TREGENZA, Mousehole, Penzance.  
,, EDWARD FORBES WHITLEY, Woodville, Truro.

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MR. CHRISTOPHER L. COWLARD, Clerk.

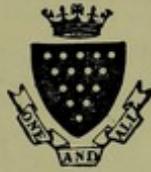
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Place of Meeting :  
**PUBLIC ROOMS, TRURO.**

# LOCAL SANITARY AUTHORITIES.

## CHAIRMEN AND OFFICERS, 1909.

No. of District in Report.	Sanitary District.	Chairman.	Clerk.	Medical Officer.	Inspector.
<b>RURAL</b>					
1	Stratton ...	Peter Stacey ...	G. H. Gurney ...	D. A. Chamberlain ...	J. P. Baker
1a	Holsworthy ...	Wm. Allin ...	J. Rowland ...	W. G. Gray ...	R. Banbury
2	Launceston ...	J. Rawling, C.C. ...	G. G. White ...	C. G. Gibson ...	J. Frayne
3	Calstock ...	H. Reed ...	J. P. Blight ...	A. Bowhay, M.D. ...	J. V. Bennett
4	Boscastle ...	J. Parnell ...	J. Mitchell ...	C. Wade ...	A. Metherell
5	Camelford ...	do. ...	do. ...	E. J. Jerome ...	
6	Liskeard ...	Martin West ...	A. de C. Glubb ...	W. Nettle ...	E. Mallett
7	St. Germans ...	J. Spear ...	F. E. Cleverton ...	R T Meadows, M.D. ...	J. A. Andrews
8	Bodmin ...	W. Phillips ...	J. Pethybridge ...	A. G. Salmon ...	W. J. Jenkins, M.S.I.
9	St. Columb ...	W. Hellyar ...	C. E. Whitford ...	F. S. McMahan ...	R. G. Hawken
10	St Austell ...	J. C. Lawry ...	J. Stephens ...	W. Mason ...	T. Darlington
11	Truro ...	J. Hendy, C.C. ...	F. Truscott ...	T. M. Bonar ...	E. W. Tonkin
12	Redruth ...	W. J. Trebilcock ...	T. C. Peter ...	A. E. Permewan, M.D. ...	J. Tredinnick
13	East Kerrier ...	M. H. Holman ...	M. H. Truscott ...	J. Blamey ...	W. Martin
14	Helston ...	J. M. Stephens ...	A. E. Ratcliffe ...	N. R. Haswell ...	J. D. Hosking
15	West Penwith... ..	J. H. Roberts ...	T. H. Cornish ...	J. R. Richmond ...	J. H. Chubb
16	Scilly Isles ...	... ..	E. N. V. Moyle ...	T. Brushfield, M.D. ...	R. J. Wearne
<b>URBAN</b>					
17	Callington ...	G. Hawke ...	J. P. Blight ...	H. Davis, junr. ...	J. Richards
18	Stratton & Bude	J. H. Treleven ...	R. A. Foster-Melliar ...	J. King ...	J. Ellis
19	Launceston ...	The Mayor ...	C. H. Peter ...	C. G. Gibson ...	A. W. Grace
20	Liskeard ...	The Mayor ...	H. L. Caunter ...	W. Nettle ...	T. McMeikan
21	Torpoint ...	W. H. Terrell ...	A. N. F. Goodman ...	S. G. Vinter ...	R. H. Beaumont
22	Looe ...	R. A. Peter ...	R. A. Peter ...	J. E. Webb, M.B. ...	C. Martin
23	Saltash ...	The Mayor ...	F. E. Cleverton ...	G. Meadows ...	W. W. Harvey
24	Bodmin ...	The Mayor ...	J. Pethybridge ...	B. G. Derry ...	R. Buscombe
25	Lostwithiel ...	The Mayor ...	W. Pease ...	E. A. Milner ...	J. Knight
26	Wadebridge ...	H. Lander ...	W. O. Wellington ...	J. B. O. Richards... ..	J. Bate
27	Truro City ...	The Mayor ...	F. Parkin ...	H. C. Sharp, M.B. ...	W. H. Ennor
28	Penryn ...	The Mayor ...	M. H. Truscott ...	J. Blamey ...	J. P. Jenkins, C.E.
29	Falmouth ...	The Mayor ...	E. E. Armitage ...	A. Gregor ...	H. Kelway
30	Helston ...	The Mayor ...	J. W. Tyacke, C.C. ...	M. R. Taylor ...	W. J. Winn
31	St. Ives ...	The Mayor ...	E. Boase ...	J. M. Nicholls, M.D. ...	F. E. Wintle, C.E.
32	Penzance ...	The Mayor ...	T. H. Cornish ...	R. D. Boase ...	N. C. Whear, ASI
33	Padstow ...	R. S. Langford ...	E. C. Williams ...	F. Harvey ...	P. Blake
34	Newquay ...	W. J. Trythall ...	E. Julian ...	A. Hardwick, M.D. ...	J. Ennor, junr.
35	St. Austell ...	H. S. Hancock ...	H. W. Higman ...	W. Mason ...	T. Samble
36	Redruth ...	H. Trestrail ...	G. P. Paige ...	F. Hichens, M.D. ...	H. D. Strange
37	Camborne ...	R. A. Thomas ...	J. R. Daniell ...	J. T. Thomas ...	J. Williams
38	Phillack ...	C. Ellis, Junr. ...	W. G. Kempthorne ...	Z. B. Mudge ...	Y. W. Chinn
39	Hayle ...	F. Harvey ...	E. Boase ...	do. ...	do.
40	Madron ...	T. R. Bolitho ...	A. Taylor ...	W. R. Wilson ...	W. N. Mathews
41	Paul ...	S. Cotton ...	W. Curnow ...	R. D. Boase ...	W. F. Trembath
42	Ludgvan ...	P. D. Thomas ...	J. J. Hill ...	H. R. Phillips ...	J. N. Rowe
43	St. Just ...	J. E. Hallo ...	P. Olds ...	R. G. Nesbitt ...	J. Hodge



# CORNWALL COUNTY COUNCIL.

## Sanitary Committee.

### Report for the Year 1908.

#### VITAL STATISTICS.

##### POPULATION.

We are a long way removed from the 1901 Census. In the absence of any authoritative data to attempt an estimate of the County's population as a whole is beset with many and great difficulties which, in our opinion, are insurmountable. For this, and other reasons, we think it both wise and politic not to make the attempt, and to adhere to the 1901 Census; and this, evidently, is the opinion of the majority of the Medical Officers of Health, for they still use that data as the basis for calculating in their Annual Reports the various rates relating to their respective districts. But exception is made in three or four districts, viz.:—Torpoint, Looe, Bodmin Urban and Newquay, whose several populations are estimated to the middle of 1908, there being strong evidence of increases since 1901. These increases, however, are not added to the County's total, as there is presumptive evidence that in some districts the population has declined, and so the one balances the other. Therefore, as in the four previous years, the Statistical Tables have been prepared on the population basis as given in the Committee's Reports for those years, viz.:—

For the Rural districts	...	...	...	186,376
„ Urban „	...	...	...	136,329
For the County as a whole	...	..	..	322,705

## BIRTHS.

It is gratifying to be enabled to record a greatly improved condition of the birth-rate in Cornwall after years of steady decline. The condition of the birth-rate throughout the country generally is also slightly better, but we think that Cornwall's rise of 1 per thousand leads the van in this direction. During 1908 7,244 births were registered—3,695 males and 3,549 females, giving a birth-rate of 22·44 per thousand, compared with 6,925 and 21·45 respectively for the previous year. The average birth-rate for the last five years is 21·97. The previous five years' average was 22·2. Table 1 shows that in the Rural districts 4,080 births were registered, of which 2,054 were males, and 2,026 females, equal to a birth-rate of 21·89 per thousand; and in the Urban 3,164, of which 1,641 were males and 1,523 females, equal to a birth-rate of 23·20 per thousand.

The birth-rate in England and Wales in 1908 was 26·5 per thousand of the population, which the Registrar-General says is 0·2 per thousand above the rate in 1907. The rate for 76 Great Towns was 27·0.

## DEATHS.

It is also a matter for congratulation that improvement is shown in the condition of the County's general death-rate. The total number of deaths registered from all causes during the year was 4,763, of which 2,387 were males and 2,376 females, giving a general death-rate of 14·75 per thousand, compared with 4,867 and 15·08 respectively for the previous year—a decline of 0·33 per thousand, and a corresponding saving of 134 lives. The average death-rate for the County for the last five years is 14·98 per thousand. The previous five years' average was 14·87.

The Rural districts' contribution to the total deaths was 2,570—1,279 males and 1,291 females, giving a death-rate of 13·78 per thousand, and the Urban's proportion was 2,193—1,108 males and 1,085 females, giving a death-rate of 16·08 per thousand. Table 7 shows that, with the exception of the birth-rate, all the various rates were in favour of the Rural districts. Similar conditions have existed for the last three years.

The death-rate in England and Wales in 1908 was 14·7 per thousand, which the Registrar-General says was 0·3 per thousand below the rate in 1907, and lower than the rate in any other year on record, and for 76 Great Towns 14·9. Cornwall's rate of 14·75 is the same as for the rest of the Country. Like conditions have existed for the last three years.

## AGE AND RELATION TO DEATHS.

Table 2 shows that of the 4,763 deaths, 748 occurred under one year of age (against 678 last year); 223 between one and five years (52 less than last year); 121 between five and fifteen years (26 less than last year); 246 between fifteen and twenty-five years (33 more than last year); 1,419 between twenty-five and sixty-five years (50 less than last year); and 2,006 amongst persons of sixty-five and upwards (79 less than last year). The table also shows how these deaths were distributed among the Rural and Urban districts respectively.

By eliminating the deaths under five, and sixty-five and above, the mortality among the active portion of the County's population is arrived at. It will be seen that these were 1,786 (43 less than last year), giving a death-rate of 5.53 per thousand. The mortality rate of the 971 deaths under five years (18 more than last year), is three per thousand, and that of the 2,006 deaths of aged persons (79 less than last year), is 6.21.

### ZYMOTIC DEATHS.

The Zymotic death-rate is 16 per cent. better than last year. This satisfactory decline has been brought about principally by a considerably lessened number of deaths from Measles. Diseases taken as Zymotics for statistical purposes are the following:—Small-pox, Measles, Scarlet Fever, Whooping Cough, Diphtheria, and Membranous Croup, Typhus Fever, Enteric or Typhoid Fever, Continued Fever, Cholera, and Diarrhœa and Dysentery, and the Zymotic death-rate is calculated upon the number of deaths occurring from these diseases. Table 3 shows that there were 187 deaths during 1908, giving a Zymotic death-rate of 0.579 per thousand, against 223 and 0.691 respectively for 1907—a decline of 36 deaths, 0.112 death-rate and 16 per cent. on the figures for last year. The Zymotic deaths included Measles, 3 (against 75 in 1907); Scarlet Fever, 15 (against 7 in 1907); Whooping Cough, 88 (against 47 in 1907); Diphtheria and Membranous Croup, 28 (against 31 in 1907); Enteric or Typhoid Fever, 10 (against 15 in 1907); Continued Fever, 1 (against 3 in 1907); and Diarrhœa, 42 (against 45 in 1907). There were no deaths from Small-pox, Typhus Fever, nor Cholera. Of these 187 Zymotic deaths, 95 occurred in the Rural districts and 92 in the Urban, giving a Zymotic death-rate of 0.509 and 0.674 respectively.

The striking fact is again borne out by this Table (3), and which was commented on in our two previous Annual Reports, that compulsory notification tends to the lowering of the mortality-rate of Infectious diseases, for it shows that out of the 187 Zymotic deaths, 133, that is 71 per cent., were due to the three Zymotic diseases, viz.:—Measles, Whooping Cough and Diarrhœa, which are not compulsory notifiable.

The Zymotic death-rate for England and Wales in 1908 was 1.29 per thousand, and for 76 Great Towns, 1.59. Cornwall's rate of 0.579 continues to be immensely better than that of the rest of the country.

### INFANTILE MORTALITY.

The Infantile Mortality-rate is not quite so good this year as last. There were 748 deaths under 1 year (inclusive of 166 premature births), against 678 in 1907, giving a percentage of 15.70 of the total deaths, a death-rate of 2.31 per thousand of the population, and the proportion of 101.87 per thousand births. This proportion is higher than last year by 3.97. Both the death-rate and percentage are also higher.

The relative proportions of the Rural and Urban districts are as follows:—*Rural*.—399 deaths (inclusive of 87 premature births), giving a death-rate of 2.14 per thousand of its population, 15.51 per cent. of its total deaths, and 97.79 per thousand births.

*Urban.*—349 deaths (inclusive of 79 premature births), giving a death-rate of 2·55 per thousand of its population, 15·91 per cent. of its total deaths, and 110·30 per thousand births.

We would urge respectfully on those Local Sanitary Authorities who have not yet issued pamphlets to poorer mothers on the better rearing of children the desirability of doing so, as undoubtedly this method of education in maternal duties has resulted in the saving of many infantile lives in the districts where it has been tried.

The Infantile mortality-rate for England and Wales in 1908 was 121 per thousand births, and for 76 Great Towns 128.

### INFECTIOUS DISEASES.

There were 184 less cases of notifiable diseases in 1908 than occurred in 1907, and this, following a decline of 536 in the latter year, must be regarded as satisfactory. Table 6 shows the number of new cases of Infectious sickness in each district coming to the knowledge of the Medical Officer of Health during the year. There were again no cases of Cholera, Typhus Fever, and Relapsing Fever reported for the year. In the Rural districts there were notified or ascertained 71 cases of Diphtheria; 75 cases of Erysipelas; 709 cases of Scarlet Fever (87 more than last year); 29 cases of Enteric or Typhoid Fever (11 less than last year); 2 cases of Continued Fever, and 6 cases of Puerperal Fever, making a total of 892 cases, compared with 818 in 1907, giving a disease-rate of 4·78 per thousand, against 4·38 last year. In the Urban districts 333 cases were reported, equal to a disease-rate of 2·44 per thousand, against 591 and 4·33 respectively for last year, and included 53 cases of Diphtheria (6 less than last year); 46 cases of Erysipelas (40 less than last year); 185 cases of Scarlet Fever (213 less than last year); 45 cases of Enteric or Typhoid Fever (14 more than last year); 1 case of Continued Fever; and 3 cases of Puerperal Fever. For the County as a whole 1,225 cases were notified or ascertained, against 1,409 in 1907, giving a disease-rate of 3·79 per thousand—a decline of 0·57 per thousand on the rate of last year. 197 of the cases were under 5 years, and 1,028 above.

### MEASLES AND WHOOPING COUGH.

The Measles death-rate for 1908 is practically *nil*. There were only 3 deaths for the whole year, and this number worked out to 2 decimal places represents zero. This is a remarkable drop from the previous year's number, which was 75. But while it is a matter for congratulation that the fatalities from Measles were so few, on the other hand it is regrettable that this cannot be said of Whooping Cough. The number of deaths due to Whooping Cough was 88—nearly double of that for last year. 46 of the 88 deaths occurred in the Urban districts, so the advantage this year is with the Rural districts—a reversion of the conditions which obtained the last two years. As these diseases are not notifiable the number of cases cannot be stated, and for the same reason the ratio of percentage of deaths to attacks cannot be given.

The mortality rates for the whole County are :—Measles, *nil*, against 0·23 per thousand last year; Whooping Cough, 0·27, against 0·14 last year.

For England and Wales the death-rates from Measles and Whooping Cough are respectively 0·22 and 0·27 per thousand, and for 76 Great Towns 0·31 and 0·29. It will thus be seen that while Cornwall's Whooping Cough death-rate is the same as the rest of the Country, its Measles death-rate is infinitely better.

### DIARRHŒA.

During the year there were 42 deaths from Diarrhœal diseases, giving a death-rate of 0·13 per thousand, which rate is identical with that of last year. The deaths were nearly equally divided between the two divisions of the County. 37 of the deaths, or 88 per cent. of the total number, were under 5 years of age. This is 15 per cent. higher than last year.

In England and Wales in 1908 the Diarrhœal death-rate was 0·50 per thousand, 0·21 higher than in 1907, and in 76 Great Towns 0·65, 0·25 higher. Cornwall's rate of 0·13 has not advanced, while the Country's generally has increased considerably.

### SCARLET FEVER AND SCARLATINA.

Although the number of cases notified (894) was 136 less this year than last, the deaths were more than double, *i.e.*, 15 against 7, giving a death-rate of 0·04 per thousand, against 0·02 in 1907. This adverse factor shows that the disease was more virulent in character than in the previous year, and has consequently raised the percentage of deaths to attacks from 0·68 last year to 1·67 this. The Rural districts contributed 709 cases and 12 deaths, giving a death-rate of 0·06 per thousand of the Rural population, and a ratio of 1·69 per cent. of the cases notified; and the Urban districts contributed 185 cases and 3 deaths, giving a death-rate of 0·02 per thousand of the Urban population, and a ratio of 1·62 per cent. to attacks.

For England and Wales the death-rate from Scarlet Fever in 1908 was 0·08 per thousand; and for 76 Great Towns 0·10. Cornwall's rate of 0·04 compares very favourably with that of the rest of the Country.

### DIPHTHERIA AND MEMBRANOUS CROUP.

There were 28 deaths in 1908 resulting from the combined diseases of Diphtheria and Membranous Croup, just 3 less than in 1907, giving a death-rate of 0·08 per thousand, against 0·09 last year. The percentage of deaths to attacks was also slightly better, being 22·58 against 24·03 in 1907. This is still a very high percentage, and is nearly double that of 1906. One half of the 28 deaths were under 5 years of age. In the Rural districts there were 71 cases and 15 deaths, giving a Rural death-rate of 0·08 per thousand, and a Rural ratio of 21·12 per cent.; and in the Urban districts there were 53 cases and 13 deaths, giving an Urban death-rate of 0·09 per thousand, and an Urban ratio of 24·52 per cent. of the cases notified.

The Diphtheritic death-rate for England and Wales last year was 0·15 per thousand, and for 76 Great Towns 0·16. Cornwall's rate still remains nearly one-half lower than that of the Country generally.

## ENTERIC OR TYPHOID FEVER.

From Enteric Fever during the year there resulted 10 deaths—5 less than in 1907, giving a death-rate of 0·03 per thousand of the County's population, against 0·04 last year, and a ratio of 13·50 per cent. of the cases notified. This ratio is 7·62 better than last year, although the number of cases was 2 more. This improved ratio indicates that the disease was more mild in character, or more skilfully treated—perhaps both. None of the deaths were under 5 years of age. The Rural districts contributed 3 deaths, equal to a death-rate of 0·01 per thousand of its population, and a ratio of 10·34 per cent. of the cases notified, and the Urban districts contributed 7 deaths, equal to a death-rate of 0·05 per thousand of its population, and a ratio of 15·55 per cent. of deaths to attacks. Thus the advantage still remains with the Rural division of the County in regard to Enteric Fever.

The Registrar-General in his returns does not give the death-rate for Enteric or Typhoid Fever separately. It is apparently grouped with Continued and Puerperal Fevers, and the death-rate from these combined diseases for England and Wales in 1908 is given as 0·07, and for 76 Great Towns 0·08. Cornwall's death-rate from the same three diseases is 0·04 (0·03 better than last year), and is much below the rest of the Country.

## SMALL-POX.

It is gratifying to be able to report that there were no cases of Small-pox, and, consequently, no deaths during the year. But whilst the County is entirely free from this virulent and loathsome disease, should an epidemic break out, by its woful want of Isolation provision, it would not be prepared to grapple with it. The Medical Officers of Health still report that in their opinion the best precautions against this vile disease are vaccination and re-vaccination, and that the still further facilities given by recent legislation for exemption may be attended by direful consequences to the whole country.

## INFLUENZA.

The deaths assignable to Influenza during 1908 numbered 42, giving a death-rate of 0·15 per thousand, against 58 and 0·17 respectively for the previous year—a decline of 9 deaths and 0·02 rate. This decrease, although small, is welcome. As last year so this, the deaths were spread over the entire year, and the disease does not appear to have assumed epidemic form in any particular district. 32 deaths occurred in the Rural districts, equal to a death-rate of 0·17 per thousand of the Rural population, against 46 and 0·24 respectively last year, and 17 deaths occurred in the Urban districts, equal to a death-rate of 0·12 per thousand of the Urban population, against 12 and 0·08 respectively in 1907. It will thus be seen that the death-rate declined in the Rural division and increased in the Urban. Nevertheless, the figures show that, as in the two previous years, the advantage still remains with the latter, notwithstanding the better hygienic advantages of the former.

## CANCER.

The number of deaths caused by Cancer during the year was 317—just 11 more than in 1907, but 32 less than in 1906. From 1903 to 1906 the death-rate increased year by year, but last year there was a decided improvement, which it was

hoped was indicative of an arrested progress of this baffling and painful disease. But the hope seems to be "deferred." Other parts of England, from what is known, may also show an increase, and from what is expressed by the Medical profession generally, it may be due to a better diagnosis and knowledge of the disease.

The highest number of deaths occurred in the Rural districts, but the death-rate is lower than the Urban's by reason of the former's greater population. Tables 3 and 4 show that the distribution and rates were:—

Rural	...	174 deaths; death-rate 0·93 per thousand.
Urban	...	143 deaths; death-rate 1·04 per thousand.
County	...	317 deaths; death-rate 0·96 per thousand.

### PHTHISIS.

It is a matter for congratulation that there is improvement in the County's Phthisical death-rate, although small. During the year 440 deaths were registered from consumption, giving a percentage of 9·22 of the total deaths, and a death-rate of 1·36 per thousand of the County's population, against 464 and 1·43 respectively for the previous year—a decline of 24 deaths, of 0·33 per cent., and of 0·07 per thousand death-rate. There is also a slight improvement in the number of deaths from other forms of Tubercular disease—the deaths registered being 98—7 less than in 1907. The sexes and age periods of these deaths cannot be given, as only in a few instances is this information supplied. The average death-rate from Phthisis for the last 5 years is 1·35 per thousand. This is practically the same as the previous 5 years' average, which was 1·34. In the Rural districts there were registered 237 deaths, equal to a death-rate of 1·27 per thousand of the Rural population, and 9·22 per cent. of its total deaths, and in the Urban 203 deaths were registered, equal to a death-rate of 1·48 per thousand of the Urban population, and 9·25 per cent. of its total deaths. The advantage, therefore, very properly remains with the Rural portion of the County, and it is also in regard to other Tubercular disease.

### ACCIDENTS AND SUICIDES.

The deaths reported as due to violence during the year were 134, being 110 from Accidents and 24 from Suicides, against 112 and 32 respectively for the previous year. 62 of the Accidents and 14 of the Suicides occurred in the Rural districts, and 48 Accidents and 10 Suicides in the Urban portion. The percentage of these fatalities to the total deaths is as follows:—For the whole County, 2·81; for the Rural districts, 2·98; and for the Urban, 2·64.

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The Vital Statistics, on the whole, are very satisfactory. They possess many pleasing features, and bring out many interesting facts—*e.g.*, an increased birth-rate; a decreased general death-rate; a decreased Zymotic death-rate; a decreased Infectious disease-rate (this latter is very encouraging, as it is indicative of improved sanitary conditions); a decreased Phthisical death-rate; and a decreased percentage of the combined diseases of Consumption, Bronchitis, Pneumonia, and Pleurisy (Table 9, foot note).

## METEOROLOGY.

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**RAINFALL.**—The mean total rainfall for the year was 33·07 inches, against 39·55 inches in 1907. The average of the 5 years ending December 31st was 37·62 inches. The previous 5 years' average was 40·12 inches. The total rainfall registered at Greenwich was 23·78 inches, against 22·25 inches in 1907. The highest rainfall was at Pentillie Castle (42·95 inches), and the lowest at St. Mary's, Scilly Isles (24·22 inches) and Newquay (24·50). The wettest month was March (5·04 inches), and the driest, June (0·89 inch).

**TEMPERATURE.**—The mean temperature for the whole County for 1908 was 51·56 degrees, against 50·57 degrees for 1907. The mean temperature at Greenwich was 49·8 degrees, against 49·4 degrees in 1907. By Table 13 it will be seen that Cornwall's mean temperature for the Winter months was 45·23 degrees, against 44·81 degrees for 1907, and 44·76 degrees for 1906; and for the Summer months 57·90 degrees, against 56·33 degrees for 1907; and 57·62 degrees for 1906. The highest mean temperature occurred in August (61·26 degrees); and the lowest in January (40·79 degrees). The mean daily range of temperature was 10·93 degrees, ranging from 13·22 degrees in June to 8·17 degrees in January. The mean absolute extremes of temperature ranged from 77·7 degrees in July to 22·8 degrees in January. The highest mean temperature for the year was at the Lizard Lights Station (54·17 degrees), and the lowest at Pencarrow (48·21 degrees). Launceston's mean of 47·70 is incomplete, being only for 10 months.

**HUMIDITY.**—The relative humidity of the air was 81 per cent., against a like percentage for 1907, and also for 1906, and ranged from 89 in January to 74 in June.

**SUNSHINE.**—The total hours of bright sunshine recorded at eight stations numbered 14,549, giving an average of 1,818 to each station. The previous year's total was 13,006 hours, and average 1,626. The highest recorded was at St. Mary's, Scilly Isles (1,865), and the lowest at Falmouth (1,743).

*Signed on behalf of the Committee.*

JOHN R. de C. BOSCAWEN,

CHAIRMAN.

TRURO, May, 1909.

# BIRTHS AND DEATHS, 1908.

Table No. 1.

No. of District in Report.	SANITARY DISTRICT.	Population, 1901.	BIRTHS.			Birth-rate per 1,000.	DEATHS.			Death-rate per 1,000.	Natural Increase.	Deaths under 1 year per 1,000 births.	Zymotic Death-rate per 1,000 of the population.
			Male.	Female.	Total.		Male.	Female.	Total.				
<b>RURAL.</b>													
1	Stratton ..	5,008	54	40	94	18·76	24	30	54	10·78	40	53·19	Nil
2	Launceston ..	7,797	73	73	146	18·72	53	51	104	13·33	42	82·19	Nil
3	Calstock ..	5,874	72	67	139	23·66	47	52	99	16·85	40	97·37	0·510
4	Boscastle ..	2,176	16	25	41	18·84	19	13	32	14·70	9	48·78	0·919
5	Camelford ..	5,012	56	52	108	21·54	39	30	69	13·76	39	157·40	Nil
6	Liskeard ..	15,674	167	162	329	20·99	96	89	185	11·80	144	91·18	0·319
7	St. Germans ..	14,386	146	121	267	18·55	72	85	157	10·91	110	97·37	0·556
8	Bodmin ..	10,393	99	121	220	21·16	73	78	151	14·52	69	86·36	0·769
9	St. Columb ..	10,747	95	126	221	20·56	60	74	134	12·46	87	85·97	0·093
10	St. Austell ..	29,597	374	400	774	26·15	194	196	390	13·17	384	107·23	0·575
11	Truro ..	22,062	217	191	408	18·49	166	169	335	15·18	73	95·58	0·453
12	Redruth ..	18,383	248	237	485	26·38	175	151	326	17·73	159	123·71	1·251
13	East Kerrier ..	8,192	84	80	164	20·19	54	55	109	13·30	55	91·46	1·220
14	Helston ..	17,685	188	177	365	20·63	127	133	260	14·70	105	98·63	0·390
15	West Penwith ..	11,298	142	134	276	24·42	70	76	146	12·92	130	79·71	0·088
16	Scilly Isles ..	2,092	23	20	43	20·55	10	9	19	9·08	24	46·51	Nil
		186,376	2054	2026	4080	21·89	1279	1291	2570	13·78	1510	97·79	0·509
<b>URBAN.</b>													
17	Callington ..	1,714	20	16	36	21·00	8	18	26	15·16	10	55·55	Nil
18	Stratton & Bude ..	2,308	32	30	62	26·86	21	22	43	18·63	19	64·51	Nil
19	Launceston ..	4,053	42	32	74	18·25	26	27	53	13·07	21	67·56	0·493
20	Liskeard ..	4,010	43	45	88	21·94	44	38	82	20·44	6	136·36	0·249
21	Torpoint ..	4,524	65	63	128	28·29	40	36	76	16·79	42	125·00	0·884
22	Looe ..	2,548	24	20	44	17·22	13	18	31	12·17	13	45·45	0·392
23	Saltash ..	3,357	44	37	81	24·12	35	22	57	16·97	24	111·11	1·489
24	Bodmin ..	5,981	48	57	105	17·55	75	76	151	25·24	-46	57·14	0·167
25	Lostwithiel ..	1,331	11	9	20	15·02	6	8	14	10·51	6	50·00	Nil
26	Wadebridge ..	2,186	21	18	39	17·84	14	17	31	14·18	8	76·92	Nil
27	Truro City ..	11,557	130	109	239	20·67	90	92	182	15·74	57	117·15	0·778
28	Penryn ..	3,190	33	26	59	18·49	23	36	59	18·49	Nil	135·59	1·254
29	Falmouth ..	11,789	139	125	264	22·39	90	88	178	15·09	86	87·12	0·502
30	Helston ..	3,088	32	40	72	23·31	26	28	54	17·48	18	97·22	0·323
31	St. Ives ..	6,699	96	103	199	29·72	55	51	106	15·82	93	85·42	1·044
32	Penzance ..	13,136	128	146	274	20·08	100	117	217	16·51	57	127·73	0·761
33	Padstow ..	1,566	28	12	40	25·54	12	8	20	12·77	20	75·00	1·279
34	Newquay ..	4,200	38	31	69	16·42	27	12	39	9·28	30	146·37	0·476
35	St. Austell ..	3,340	44	42	86	25·74	34	28	62	18·56	24	244·18	2·395
36	Redruth ..	10,451	140	120	260	24·87	86	71	157	15·02	163	119·23	0·574
37	Camborne ..	14,726	178	173	351	23·83	122	116	238	16·16	113	145·29	0·746
38	Phillack ..	3,881	42	43	85	21·90	18	25	43	11·07	42	129·41	0·259
39	Hayle ..	1,084	10	6	16	14·76	10	4	14	12·91	2	250·00	Nil
40	Madron ..	3,486	42	34	76	21·80	33	41	74	21·22	2	105·26	1·147
41	Paul ..	6,332	96	77	173	27·32	38	26	64	10·10	109	80·92	0·157
42	Ludgvan ..	2,274	20	30	50	21·98	10	25	35	15·39	15	140·00	0·439
43	St. Just ..	5,646	95	79	174	30·81	52	35	87	15·40	87	63·20	0·885
		136,329	1641	1523	3164	23·20	1108	1085	2193	16·08	971	110·30	0·674
	Rural ..	186,376	2054	2026	4080	21·89	1279	1291	2570	13·78	1510	97·79	0·509
	Urban ..	136,329	1641	1523	3164	23·20	1108	1085	2193	16·08	971	110·30	0·674
	County ..	322,705	3695	3549	7244	22·44	2387	2376	4763	14·75	2481	101·87	0·579

NOTE.—The following deaths in Workhouses, Infirmarys, Asylums, etc., are included in the above Table—Launceston (Rural), 7; Calstock (Rural), 7; St. Columb (Rural), 6; Truro (Rural), 22; Redruth (Rural), 12; East Kerrier (Rural), 15; Stratton and Bude (Urban), 5; Launceston (Urban), 1; Liskeard (Urban), 21; Saltash (Urban), 3; Bodmin (Urban), 97; Truro City, 21; Falmouth (Urban), 11; Helston (Urban), 5; Penzance (Urban), 20; St. Austell (Urban), 20; Redruth (Urban), 21; and Madron (Urban), 21. Total 315.

# MORTALITY FROM ALL CAUSES,

at subjoined Ages—1908.

Table No. 2.

No. of District in Report.	SANITARY DISTRICT.	Population, 1901.	Deaths at all ages.	Rate per 1,000.		Under 1 year.		Rate per 1,000.		1 and under 5.		Rate per 1,000.		5 and under 15.		Rate per 1,000.		15 and under 25.		Rate per 1,000.		25 and under 65.		Rate per 1,000.		65 and over.		Rate per 1,000.	
<b>RURAL.</b>																													
1	Stratton ..	5,008	54	10.78	5	0.99	1	0.19	1	0.19	4	0.79	14	2.79	29	5.79													
2	Launceston ..	7,797	104	13.33	12	1.54	..	..	4	0.51	2	0.25	35	4.46	51	6.54													
3	Calstock ..	5,874	99	16.85	12	2.04	3	0.51	2	0.34	5	0.85	41	6.97	36	6.12													
4	Boscastle ..	2,176	32	14.70	2	0.91	1	0.46	1	0.46	..	..	13	5.98	15	6.89													
5	Camelford ..	5,012	69	13.76	17	3.39	..	..	3	0.59	1	0.19	17	3.39	31	6.18													
6	Liskeard ..	15,674	185	11.80	30	1.91	5	0.32	4	0.25	10	0.63	51	3.25	85	5.42													
7	St. Germans ..	14,386	157	10.91	26	1.80	12	0.83	8	0.55	10	0.69	44	3.05	57	3.96													
8	Bodmin ..	10,393	151	14.52	19	1.82	9	0.86	7	0.67	11	1.05	36	3.46	69	6.63													
9	St. Columb ..	10,747	134	12.46	19	1.76	5	0.46	4	0.37	8	0.74	35	3.25	63	5.85													
10	St. Austell ..	29,597	390	13.17	83	2.80	29	0.97	9	0.30	23	0.77	98	3.31	148	5.00													
11	Truro ..	22,062	335	15.16	39	1.76	12	0.54	9	0.40	12	0.54	89	4.03	174	7.88													
12	Redruth ..	18,383	326	17.73	60	3.29	20	1.09	10	0.54	10	0.54	128	6.92	98	5.32													
13	East Kerrier ..	8,192	109	13.30	15	1.83	7	0.85	3	0.36	7	0.85	29	3.54	48	5.85													
14	Helston ..	17,685	260	14.70	36	2.03	12	0.67	8	0.45	13	0.73	73	4.12	118	6.67													
15	West Penwith ..	11,298	146	12.92	22	1.94	4	0.35	2	0.17	8	0.70	39	3.45	71	6.28													
16	Scilly Isles ..	2,092	19	9.08	2	0.95	..	..	1	0.47	2	0.95	5	2.38	9	4.30													
		186,376	2,570	13.78	399	2.14	120	0.64	76	0.40	126	0.67	747	4.00	1102	5.91													
<b>URBAN.</b>																													
17	Callington ..	1,714	26	15.16	2	1.16	2	1.16	..	..	1	0.58	11	6.41	10	5.83													
18	Stratton & Bude ..	2,308	43	18.63	4	1.73	..	..	..	..	..	..	8	3.46	31	13.43													
19	Launceston ..	4,053	53	13.07	5	1.23	..	..	1	0.24	4	0.98	21	5.18	22	5.42													
20	Liskeard ..	4,010	82	20.44	12	2.99	3	0.74	..	..	4	0.99	23	5.73	40	9.98													
21	Torpoint ..	4,524	76	16.79	16	3.53	5	1.10	2	0.44	4	0.88	19	4.19	30	6.63													
22	Looe ..	2,548	31	12.17	2	0.78	1	0.39	1	0.39	1	0.39	9	3.53	17	6.67													
23	Saltash ..	3,357	57	16.97	9	2.68	8	2.38	1	0.29	7	2.08	15	4.46	17	5.06													
24	Bodmin ..	5,981	151	25.24	6	1.00	2	0.33	2	0.33	5	0.84	57	9.53	79	13.19													
		(including Gaol and Asylum)																											
		Do. excluding do.	(4,072)	(54)	(12.35)	(6)	(1.37)	(2)	(0.45)	(2)	(0.45)	(5)	(1.14)	(15)	(3.43)	(24)	(5.51)												
25	Lostwithiel ..	1,331	14	10.51	1	0.75	..	..	..	..	2	1.50	2	1.50	9	6.76													
26	Wadebridge ..	2,186	31	14.18	3	1.37	..	..	1	0.45	3	1.37	4	1.84	20	9.14													
27	Truro City ..	11,557	182	15.74	28	2.42	8	0.69	6	0.51	8	0.69	72	6.22	60	5.19													
28	Penryn ..	3,190	59	18.49	8	2.50	4	1.25	..	..	3	0.93	19	5.95	25	7.83													
29	Falmouth ..	11,789	178	15.09	23	1.95	10	0.84	4	0.33	17	1.44	58	4.91	66	5.59													
30	Helston ..	3,088	54	17.48	7	2.26	2	0.64	..	..	1	0.32	20	6.47	24	7.77													
31	St. Ives ..	6,699	106	15.82	17	2.53	4	0.59	..	..	2	0.29	30	4.47	53	7.91													
32	Penzance ..	13,136	217	16.51	35	2.65	9	0.67	6	0.45	14	1.06	65	4.94	88	6.69													
33	Padstow ..	1,566	20	12.77	3	1.91	3	1.91	..	..	4	2.55	3	1.91	7	4.46													
34	Newquay ..	4,200	39	9.28	10	2.38	2	0.47	1	0.23	..	..	13	3.09	13	3.09													
35	St. Austell ..	3,340	62	18.56	21	6.29	6	1.79	1	0.29	1	0.29	11	3.29	22	6.58													
36	Redruth ..	10,451	157	15.02	31	2.96	4	0.38	4	0.38	8	0.76	44	4.21	66	6.31													
37	Camborne ..	14,726	238	16.16	51	3.47	15	1.01	7	0.47	11	0.74	84	5.70	70	4.75													
38	Phillack ..	3,881	43	11.07	11	2.83	..	..	1	0.25	3	0.77	10	2.57	18	4.63													
39	Hayle ..	1,084	14	12.91	4	3.68	..	..	1	0.92	..	..	3	2.76	6	5.53													
40	Madron ..	3,486	74	21.22	8	2.29	5	1.43	2	0.57	2	0.57	17	4.87	40	11.47													
41	Paul ..	6,332	64	10.10	14	2.21	1	0.15	1	0.15	4	0.62	17	2.68	27	4.26													
42	Ludgvan ..	2,274	35	15.39	7	3.07	1	0.43	..	..	2	0.87	12	5.27	13	5.71													
43	St. Just ..	5,646	87	15.40	11	1.94	8	1.41	3	0.52	9	1.59	25	4.42	31	5.49													
		136,329	2,193	16.08	349	2.55	103	0.75	45	0.32	120	0.88	672	4.92	904	6.63													
		Rural ..	186,376	2,570	13.78	399	2.14	120	0.64	76	0.40	126	0.67	747	4.00	1102	5.91												
		Urban ..	136,329	2,193	16.08	349	2.55	103	0.75	45	0.32	120	0.88	672	4.92	904	6.63												
		County ..	322,705	4,763	14.75	748	2.31	223	0.69	121	0.37	246	0.76	1419	4.39	2006	6.21												

NOTE—Deaths in Workhouses, Infirmaries, Asylums, etc., are included in the above Table as per details at foot of preceding Table. This accounts for the high death-rate of some districts—notably Liskeard (Urban), Bodmin (Urban), Truro City, Helston (Urban), Penzance (Urban), St. Austell (Urban), Redruth (Urban), and Madron.



# MORTALITY RATES

Per 1,000 of the Population in all Tabulated Diseases—1908.

**Table No. 4.**

No. of District in Report.	SANITARY DISTRICT.	Small Pox.	Measles.	Scarlet Fever.	Whooping Cough.	Diphtheria and Memb. Group.	Croup.	Typhus Fever.	Enteric Fever.	Other Continued Fever.	Epidemic Influenza.	Cholera.	Plague.	Diarrhoea.	Enteritis.	Puerperal Fever.	Erysipelas.
	<b>RURAL.</b>	Z	Z	Z	Z	Z		Z	Z	Z		Z	Z	Z			
1	Stratton ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2	Launceston ..	..	..	..	..	..	..	..	..	..	0.38	..	..	..	0.38	..	..
3	Calstock ..	..	..	..	0.51	..	..	..	..	..	..	..	..	..	0.17	..	..
4	Boscastle ..	..	..	..	..	0.46	..	..	..	..	0.46	..	..	0.46	..	..	..
5	Camelford ..	..	..	..	..	..	..	..	..	..	0.39	..	..	..	..	..	..
6	Liskeard ..	..	0.06	..	0.12	..	..	..	..	0.06	..	..	..	0.06	..	..	..
7	St. Germans ..	..	..	..	0.06	0.49	..	..	..	..	0.13	..	..	..	0.27	..	..
8	Bodmin ..	..	..	..	0.28	..	..	..	..	..	0.57	..	..	0.48	..	..	..
9	St. Columb ..	..	..	..	0.09	..	..	..	..	..	0.18	..	..	..	0.09	..	..
10	St. Austell ..	..	..	..	0.03	0.37	0.10	..	0.03	..	..	..	..	0.10	..	..	..
11	Truro ..	..	..	..	0.09	0.27	0.04	..	0.04	..	0.36	..	..	..	0.04	0.04	0.09
12	Redruth ..	..	0.05	0.10	0.59	0.10	..	..	..	..	0.21	..	..	0.38	0.16	..	..
13	East Kerrier ..	..	..	..	0.61	0.35	..	..	0.12	..	..	..	..	0.12	0.24	0.12	..
14	Helston ..	..	..	..	0.05	0.05	0.16	..	..	..	0.22	..	..	0.11	0.11	..	..
15	West Penwith ..	..	..	..	..	..	0.08	..	..	..	..	..	..	..	0.26	..	..
16	Scilly Isles ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		0.00	0.01	0.06	0.22	0.08	0.02	0.00	0.01	0.00	0.17	0.00	0.00	0.10	0.12	0.01	0.01
	<b>URBAN.</b>																
17	Callington ..	..	..	..	..	..	..	..	..	..	0.58	..	..	..	0.58	..	..
18	Stratton & Bude ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
19	Launceston ..	..	..	..	..	0.24	..	..	..	..	0.24	..	..	0.24	..	..	..
20	Liskeard ..	..	..	..	0.24	..	..	..	..	..	..	..	..	..	0.24	..	..
21	Torpoint ..	..	..	..	0.80	..	..	..	..	..	0.66	..	..	..	0.66	..	..
22	Looe ..	..	..	..	..	..	..	..	0.39	..	..	..	..	..	..	..	..
23	Saltash ..	..	..	..	0.29	0.88	..	..	0.29	..	..	..	..	..	0.29	..	..
24	Bodmin ..	..	..	..	..	..	..	..	..	..	..	..	..	0.16	..	..	..
25	Lostwithiel ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
26	Wadebridge ..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.45	..	..
27	Truro City ..	..	0.08	..	0.25	0.25	..	..	..	..	..	..	..	0.17	0.17	..	..
28	Penryn ..	..	..	..	1.25	..	..	..	..	..	..	..	..	..	0.31	..	..
29	Falmouth ..	..	..	..	0.50	..	..	..	..	..	0.08	..	..	..	0.59	..	..
30	Helston ..	..	..	..	..	..	..	..	0.32	..	..	..	..	..	0.32	..	..
31	St. Ives ..	..	..	..	0.74	..	..	..	..	..	..	..	..	0.29	..	..	..
32	Penzance ..	..	..	..	0.07	0.07	..	..	..	..	0.15	..	..	1.60	0.37	..	..
33	Padstow ..	..	..	..	1.27	..	..	..	..	..	..	..	..	..	0.63	..	..
34	Newquay ..	..	..	..	..	..	..	..	..	..	0.23	..	..	0.47	0.47	..	..
35	St. Austell ..	..	..	..	2.39	..	..	..	..	..	..	..	..	..	..	..	..
36	Redruth ..	..	..	0.19	0.09	0.09	..	..	..	..	..	..	..	0.19	..	..	..
37	Camborne ..	..	..	..	0.47	0.13	..	..	0.06	..	0.40	..	..	0.06	0.74	0.06	..
38	Phillack ..	..	..	..	0.25	..	..	..	..	..	..	..	..	..	..	..	..
39	Hayle ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
40	Madron ..	..	..	..	0.57	..	..	..	..	..	..	..	..	0.57	..	..	..
41	Paul ..	..	..	..	..	..	..	..	0.15	..	0.15	..	..	..	..	..	..
42	Ludgvan ..	..	..	..	..	..	..	..	0.43	..	..	..	..	..	0.87	..	..
43	St. Just ..	..	..	0.17	..	0.35	..	..	0.17	..	0.17	..	..	0.17	..	..	..
		0.00	0.00	0.02	0.33	0.09	0.00	0.00	0.05	0.00	0.12	0.00	0.00	0.16	0.28	0.01	0.00
	Rural ..	0.00	0.01	0.06	0.22	0.08	0.02	0.00	0.01	0.00	0.17	0.00	0.00	0.10	0.12	0.01	0.01
	Urban ..	0.00	0.00	0.02	0.33	0.09	0.00	0.00	0.05	0.00	0.12	0.00	0.00	0.16	0.28	0.01	0.00
	County ..	0.00	0.00	0.04	0.27	0.08	0.01	0.00	0.03	0.00	0.15	0.00	0.00	0.13	0.81	0.01	0.00

NOTE.—The total death-rate from all causes for the whole County was 14.75 per 1,000 of the population. The Zymotic death-rate was 0.579 per 1,000.

# MORTALITY RATES

Per 1,000 of the Population in all Tabulated Diseases—1908.

**Table No. 4—continued.**

Other Septic Diseases.	Phthisis.	Other Tubercular Diseases.	Cancer.	Bronchitis.	Pneumonia.	Pleurisy.	Other Diseases of Respiratory Organs.	Alcoholism, Cirrhosis of Liver. }	Venereal Disease.	Premature Birth.	Diseases and Accidents of Parturition.	Heart Disease.	Accidents.	Suicides.	All other Causes.	SANITARY DISTRICT.	No. of District in Report.
<b>RURAL.</b>																	
..	0.79	0.59	0.59	0.39	0.99	..	..	..	..	..	..	1.59	..	..	5.79	Stratton ..	1
..	0.89	0.12	1.15	0.89	1.41	..	..	..	..	0.64	..	1.66	0.89	0.25	4.61	Launceston ..	2
..	2.04	0.51	1.53	0.68	0.85	..	0.34	0.17	..	0.34	0.17	3.23	0.51	0.17	5.61	Calstock ..	9
..	0.91	0.46	..	..	..	..	..	..	..	..	..	3.67	..	0.46	6.89	Boscastle ..	4
..	0.59	0.39	0.59	1.39	0.59	..	..	0.19	..	0.79	..	0.59	0.39	..	7.79	Camelford ..	5
..	0.95	0.25	0.63	1.27	0.76	..	..	..	..	0.45	..	1.59	0.06	0.06	5.42	Liskeard ..	6
..	1.32	0.13	0.55	0.77	0.49	0.06	..	..	0.06	0.49	0.13	1.59	0.13	0.06	4.10	St. Germans ..	7
..	0.86	0.48	0.86	0.86	0.86	..	..	..	..	0.48	..	2.02	0.67	..	6.06	Bodmin ..	8
..	1.02	..	0.55	0.83	0.74	..	..	..	0.09	0.18	0.18	2.23	0.55	..	5.67	St. Columb ..	9
..	1.11	0.30	0.67	1.18	0.84	0.06	..	0.03	0.03	0.57	0.20	2.36	0.43	0.10	4.45	St. Austell ..	10
..	1.45	0.45	1.26	0.99	0.45	0.04	0.04	0.09	..	0.41	..	1.54	0.13	0.13	7.16	Truro ..	11
..	2.44	0.43	1.09	1.41	0.27	0.05	0.05	0.10	..	0.42	0.10	1.79	0.42	0.05	7.39	Redruth ..	12
..	0.36	0.24	1.10	0.73	0.61	0.12	..	0.12	..	0.48	0.12	1.59	0.12	..	6.13	East Kerrier ..	13
..	1.41	..	1.35	1.01	0.91	..	..	0.05	..	0.56	..	1.47	0.22	0.05	6.89	Helston ..	14
..	1.23	..	1.41	0.79	0.44	..	..	..	..	0.62	0.17	2.30	0.44	..	5.04	West Penwith ..	15
..	1.43	..	..	0.95	0.95	..	..	..	..	..	..	0.47	..	..	5.21	Scilly Islands ..	16
0.00	1.27	0.26	0.93	1.01	0.69	0.03	0.02	0.04	0.01	0.46	0.08	1.86	0.33	0.07	5.83		
<b>URBAN.</b>																	
..	2.33	..	1.16	1.74	..	..	..	..	..	..	..	4.66	..	..	4.08	Callington ..	17
..	1.73	0.43	0.43	1.29	0.43	..	..	..	..	..	..	1.73	..	0.43	12.13	Stratton & Bude ..	18
..	1.97	0.49	1.23	0.24	0.24	..	0.24	0.24	0.24	0.49	..	2.22	..	0.24	4.44	Launceston ..	19
..	1.74	1.22	0.74	1.49	0.49	..	..	..	..	1.22	..	1.74	..	..	11.22	Liskeard ..	20
..	0.66	..	1.10	0.44	2.21	..	0.22	0.22	0.22	0.44	..	3.06	0.44	..	4.64	Torpoint ..	21
..	1.56	..	0.39	0.39	0.18	..	..	0.39	..	0.39	..	2.35	..	..	5.49	Looe ..	22
..	2.08	0.29	1.78	..	2.08	0.29	0.29	..	..	0.29	..	1.78	0.88	..	5.36	Saltash ..	23
..	3.16	..	1.17	1.17	1.50	..	0.33	..	..	..	..	5.35	..	..	12.37	Bodmin ..	24
..	2.25	0.75	0.75	2.25	..	..	..	..	..	..	..	2.25	..	..	2.25	Lostwithiel ..	25
..	0.92	..	1.84	0.92	0.45	..	0.92	..	..	..	0.45	1.37	0.45	..	6.37	Wadebridge ..	26
..	1.47	0.51	1.03	1.47	..	..	..	0.08	..	0.86	..	1.81	0.25	..	7.26	Truro City ..	27
..	1.56	0.62	1.56	1.56	0.31	..	..	..	..	0.31	..	0.93	..	..	10.03	Penryn ..	28
..	1.27	0.50	0.84	0.42	0.66	..	0.59	0.17	..	0.17	0.08	2.03	0.66	0.17	6.27	Falmouth ..	29
..	0.64	0.97	0.97	0.97	1.29	..	..	..	..	0.97	..	1.94	0.64	0.32	8.09	Helston ..	30
..	0.14	..	1.19	2.53	..	..	0.89	..	..	..	0.29	..	0.14	0.14	9.40	St. Ives ..	31
..	1.21	0.07	1.75	0.60	1.75	0.07	0.15	0.07	..	0.45	0.22	1.75	0.53	..	6.54	Penzance ..	32
..	0.63	0.63	..	1.91	1.27	..	..	..	..	..	..	..	0.63	..	5.74	Padstow ..	33
..	1.42	..	0.23	..	0.23	0.23	0.47	..	..	0.71	0.23	0.71	0.23	..	3.57	Newquay ..	34
..	1.49	1.79	0.29	1.49	0.59	..	..	0.29	0.29	1.49	..	2.98	0.29	..	3.09	St. Austell ..	35
..	1.42	0.47	0.67	1.81	0.28	..	..	..	..	0.57	..	1.72	0.09	..	7.36	Redruth ..	36
..	2.58	0.33	0.88	0.81	0.40	0.13	..	..	..	1.22	0.06	2.70	0.33	0.06	4.61	Camborne ..	37
..	..	..	0.77	0.77	0.25	..	..	..	..	..	..	1.80	0.77	..	6.44	Phillack ..	38
..	..	1.84	0.92	..	0.92	..	..	..	..	1.84	..	4.61	..	..	2.76	Hayle ..	39
..	0.86	..	1.72	0.86	0.86	..	..	..	..	0.86	0.28	3.15	..	..	11.47	Madron ..	40
..	..	0.47	0.15	0.78	0.31	0.78	0.15	0.15	..	..	0.15	..	1.25	..	5.52	Paul ..	41
..	1.31	..	1.75	..	..	..	..	..	..	0.43	0.87	1.75	..	..	7.91	Ludgvan ..	42
..	2.12	0.17	1.06	0.52	0.70	0.17	0.35	..	..	0.88	0.17	1.77	0.88	..	5.49	St. Just ..	43
0.00	1.48	0.36	1.04	0.97	0.71	0.05	0.19	0.05	0.02	0.59	0.08	2.06	0.35	0.07	6.92		
0.00	1.27	0.26	0.93	1.01	0.69	0.03	0.02	0.04	0.01	0.46	0.08	1.86	0.33	0.07	5.83	Rural	
0.00	1.48	0.36	1.04	0.97	0.71	0.05	0.19	0.05	0.02	0.59	0.08	2.06	0.35	0.07	6.92	Urban	
0.00	1.36	0.30	0.96	0.99	0.70	0.04	0.09	0.05	0.01	0.51	0.08	1.94	0.34	0.07	6.29	County	

NOTE.—The total death-rate from all causes for the whole County was 14.75 per 1,000 of the population. The Zymotic death-rate was 0.579 per 1,000.

# MORTALITY FROM SUBJOINED CAUSES,

Distinguishing Deaths of Children under 5 years of age—1908.

Table No. 5.

No. of District in Report.	SANITARY DISTRICT.	Small-pox.	Measles.	Scarlet Fever.	Whooping Cough.	Diphtheria and Memb. Croup.	Croup.	Typhus Fever.	Enteric Fever.	Other continued Fever.	Epidemic Influenza.	Cholera.	Plague.	Diarrhoea.	Enteritis.	Puerperal Fever.	Erysipelas.	Other Septic Diseases.	
		under 5 and over.	under 5 and over.	under 5 and over.	under 5 and over.	under 5 and over.	under 5 and over.	under 5 and over.	under 5 and over.	under 5 and over.	under 5 and over.	under 5 and over.	under 5 and over.	under 5 and over.					
		5 and over.	5 and over.	5 and over.	5 and over.	5 and over.	5 and over.	5 and over.	5 and over.	5 and over.	5 and over.	5 and over.	5 and over.	5 and over.					
<b>RURAL.</b>																			
1	Stratton																		
2	Launceston																		
3	Calstock				3														
4	Boscastle						1												
5	Camelford													1					
6	Liskeard		1		2									1					
7	St. Germans				1	4	3												
8	Bodmin				3									4	1				
9	St. Columb			1															
10	St. Austell			1	10	1	1	3		1				2	1	3			
11	Truro			2	6		1							1	1		1		
12	Redruth		1	1	11	1	1			1				4		7			
13	East Kerrier			3	2	3								1	1	1	1		
14	Helston				1	1		3						4		1	1		
15	West Penwith				1			1								3			
16	Scilly Isles																		
			2	5	7	41	1	6	9	4				3	1	1	31		
<b>URBAN.</b>																			
17	Callington										1								
18	Stratton and Bude																		
19	Launceston						1							1					
20	Liskeard				1														
21	Torpoint				4									3					
22	Looe									1									
23	Saltash				1	3				1									
24	Bodmin													1					
25	Lostwithiel																		
26	Wadebridge																1		
27	Truro City		1		3	1	2							2					
28	Penryn				3										1				
29	Falmouth				6						1				4	3			
30	Helston									1						1			
31	St. Ives				5									2					
32	Penzance				1		1				2			6	2	1	4		
33	Padstow				2														
34	Newquay										1			2		1	1		
35	St. Austell				8														
36	Redruth			1	1	1								2					
37	Camborne				7	1	1			1				1	11		1		
38	Phillack				1														
39	Hayle																		
40	Madron				2									2					
41	Paul									1									
42	Ludgvan									1									
43	St. Just				1		2			1				1					
			1	1	2	45	1	8	5		7			1	16				
	Rural		2	5	7	41	1	6	9	4				17	3	19	4	2	2
	Urban		1	1	2	45	1	8	5		7			20	2	28	10	2	
	County		3	6	9	86	2	14	14	4	10			37	5	47	14	4	2



# INFECTIOUS DISEASE.

Cases of Infectious Disease notified during 1908.

**Table No. 6.**

No. of District in Report.	SANITARY DISTRICT.	Small-pox		Cholera		Diphtheria		Membranous Croup		Erysipelas		FEVERS.						Totals			
												Scarlet	Typhus	Enteric	Relapsing	Continued	Puerperal	Plague			
		under 5 & over	under 5 & over	under 5 & over	under 5 & over	under 5 & over	under 5 & over	under 5 & over	under 5 & over	under 5 & over	under 5 & over	under 5 & over	under 5 & over	under 5 & over							
<b>RURAL.</b>																					
1	Stratton	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
2	Launceston	..	..	..	..	1	2	..	..	1	1	4	4	..	..	..	..	..	..	5	7
3	Calstock	..	..	..	..	1	1	..	..	1	3	3	8	..	..	..	..	..	..	4	12
4	Boscastle	..	..	..	..	3	3	..	..	..	..	..	..	..	..	..	..	..	..	..	3
5	Camelford	..	..	..	..	..	..	..	..	1	1	1	1	..	..	..	..	..	..	1	1
6	Liskeard	..	..	..	..	..	..	..	..	2	20	43	..	..	..	..	..	..	..	20	45
7	St. Germans	..	..	..	..	7	9	..	..	7	6	11	..	..	4	..	..	1	..	13	32
8	Bodmin	..	..	..	..	1	1	..	..	2	2	13	..	..	..	..	..	..	..	2	16
9	St. Columb	..	..	..	..	1	1	..	..	3	2	16	..	..	1	..	..	..	..	2	21
10	St. Austell	..	..	..	..	1	1	..	..	10	32	71	..	..	4	..	..	..	..	33	86
11	Truro	..	..	..	..	12	12	..	..	15	30	177	..	..	3	..	..	2	..	30	209
12	Redruth	..	..	..	..	13	13	..	..	19	..	114	..	..	3	..	..	..	..	..	149
13	East Kerrier	..	..	..	..	1	1	..	..	1	26	61	..	..	3	..	..	1	..	26	67
14	Helston	..	..	..	..	16	16	..	..	5	10	42	..	..	4	..	2	..	..	10	69
15	West Penwith	..	..	..	..	1	1	..	..	5	1	12	..	..	1	6	..	2	..	3	26
16	Scilly Isles	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		..	..	..	..	10	61	..	..	1	74	137	572	..	..	128	..	2	6	149	743
<b>URBAN.</b>																					
17	Callington	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
18	Stratton & Bude	..	..	..	..	..	..	..	..	1	..	2	..	..	1	..	..	..	..	..	4
19	Launceston	..	..	..	..	1	1	..	..	4	1	4	..	..	1	..	..	..	..	2	10
20	Liskeard	..	..	..	..	..	..	..	..	..	2	1	..	..	..	..	..	..	..	2	1
21	Torpoint	..	..	..	..	..	..	..	..	2	..	..	..	..	3	..	..	..	..	..	5
22	Looe	..	..	..	..	..	..	..	..	..	..	2	..	..	4	..	..	..	..	..	6
23	Saltash	..	..	..	..	10	..	..	..	..	..	8	..	..	3	..	..	..	..	10	11
24	Bodmin	..	..	..	..	..	..	..	..	..	..	4	..	..	..	..	..	..	..	..	4
25	Lostwithiel	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
26	Wadebridge	..	..	..	..	..	..	..	..	..	2	2	..	..	..	..	..	..	..	2	2
27	Truro City	..	..	..	..	21	..	..	..	3	..	24	..	..	3	..	..	..	..	..	51
28	Penryn	..	..	..	..	..	..	..	..	..	3	14	..	..	..	..	..	..	..	3	14
29	Falmouth	..	..	..	..	..	..	..	..	2	5	8	..	..	3	..	1	..	..	5	14
30	Helston	..	..	..	..	2	..	..	..	1	..	27	..	..	2	..	..	..	..	..	32
31	St. Ives	..	..	..	..	..	..	..	..	2	..	..	..	..	2	..	..	1	..	..	5
32	Penzance	..	..	..	..	5	..	..	..	..	4	9	..	..	3	..	..	..	..	4	17
33	Padstow	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..
34	Newquay	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	2
35	St. Austell	..	..	..	..	1	..	..	..	1	1	4	..	..	..	..	..	..	..	1	6
36	Redruth	..	..	..	..	2	..	..	..	2	5	19	..	..	..	..	..	..	..	7	21
37	Camborne	..	..	..	..	4	..	..	..	11	5	16	..	..	4	..	..	1	..	5	36
38	Phillack	..	..	..	..	..	..	..	..	3	..	1	..	..	1	..	..	1	..	..	6
39	Hayle	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
40	Madron	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	1
41	Paul	..	..	..	..	..	..	..	..	1	..	..	..	..	4	..	..	..	..	..	5
42	Ludgvan	..	..	..	..	1	..	..	..	4	..	..	..	..	1	..	..	..	..	1	5
43	St. Just	..	..	..	..	3	2	..	..	7	2	9	..	..	9	..	..	..	..	5	27
		..	..	..	..	17	36	..	..	46	30	155	..	..	144	..	1	3	..	48	285
<b>Rural</b>		..	..	..	..	10	61	..	..	1	74	137	572	..	..	128	..	2	6	149	743
<b>Urban</b>		..	..	..	..	17	36	..	..	46	30	155	..	..	144	..	1	3	..	48	285
<b>County</b>		..	..	..	..	27	97	..	..	1120	167	727	..	..	272	..	3	9	..	197	1028

## Births, Deaths, Natural Increase, and Infantile and Zymotic Deaths

of the Population of Cornwall, during the Year 1908.

Table No. 7.

	BIRTHS.			DEATHS.		NATURAL INCREASE.		INFANTILE & ZYMOTIC DEATHS.			
	Population, 1901.	Births.	Birth-rate per 1,000.	Deaths.	Death-rate per 1,000.	Natural Increase.	Natural Increase per 1,000 of the population.	Deaths under 1 year.	Deaths under 1 year per 1,000 Births.	Zymotic Deaths.	Zymotic Death-rate per 1,000 of the population.
RURAL ..	186,376	4,080	21·89	2,570	13·78	1,510	8·10	399	97·79	95	0·509
URBAN ..	136,329	3,164	23·20	2,193	16·08	971	7·12	349	110·30	92	0·674
COUNTY ..	322,705	7,244	22·44	4,763	14·75	2,481	7·68	748	101·87	187	0·579

REMARKS.—The above Table shows that with the exception of the Birth-rate, all the various rates were in favour of the Rural districts.

## Mortality of the Population of Cornwall from all Causes

at the subjoined ages during 1908.

Table No. 8.

	Population, 1901.	Deaths at all ages.	General death-rate.	Deaths classified according to ages and death-rates at each of these ages per 1,000 deaths at all ages.											
				Deaths under 1.		1 and under 5.		5 and under 15.		15 and under 25.		25 and under 65.		65 and over.	
				Deaths	Death-rate.	Deaths	Death-rate.	Deaths	Death-rate.	Deaths	Death-rate.	Deaths	Death-rate.	Deaths	Death-rate.
RURAL ..	186,376	2,570	13·78	399	155·25	120	46·69	76	29·57	126	49·02	747	290·66	1102	428·79
URBAN ..	136,329	2,193	16·08	349	159·14	103	46·96	45	20·52	120	54·71	672	306·42	904	412·22
COUNTY	322,705	4,763	14·75	748	157·04	223	46·81	121	25·40	246	51·64	1419	297·92	2006	421·16

REMARKS.—By the above Table it will be seen that out of each 1,000 deaths which occurred in the County during 1908, omitting fractions—

157 were infants under 1 year.  
 47 were children over 1 year and under 5.  
 25 were aged 5 and under 15.  
 51 „ 15 „ 25.  
 298 „ 25 „ 65.  
 421 „ 65 and over.

The relative proportions of the deaths as occurring in Rural and Urban districts are also shown by the Table.

## Mortality Rates per 1,000 of the Population of Cornwall

from the undermentioned Diseases and Causes, 1908.

Table No. 9.

	Small-pox.	Measles.	Scarlet Fever.	Whooping Cough.	Diphtheria and Membr. Croup.	Croup.	Enteric Fever.	Continued Fever.	Influenza.	Diarrhoea.	Enteritis.	Puerperal Fever.	Erysipelas.	Other Septic Diseases.	Phthisis.	Other Tubercular Diseases.	Cancer.	Bronchitis, Pneumonia and Pleurisy.	Other diseases of the Respiratory Organs.	Alcoholism } Cirrhosis of Liver }	Veneral Disease.	Premature Birth.	Diseases & Accidents of Parturition.	Heart Disease.	Accidents.	Suicides.	All other causes.	Death-rate per 1,000 from all causes.
RURAL ..	0.00	0.01	0.06	0.22	0.08	0.02	0.01	0.00	0.17	0.10	0.12	0.01	0.01	0.00	1.27	0.26	0.93	1.73	0.02	0.04	0.01	0.46	0.08	1.86	0.33	0.07	5.83	13.78
URBAN ..	0.00	0.00	0.02	0.33	0.09	0.00	0.05	0.00	0.12	0.16	0.28	0.01	0.00	0.00	1.48	0.36	1.04	1.73	0.19	0.05	0.02	0.59	0.08	2.06	0.35	0.07	6.92	16.08
COUNTY ..	0.00	0.00	0.04	0.27	0.08	0.01	0.03	0.00	0.15	0.13	0.18	0.01	0.00	0.00	1.36	0.30	0.96	1.73	0.09	0.05	0.01	0.51	0.08	1.94	0.34	0.07	6.29	14.75

REMARKS.—Scarlet Fever, Croup, Influenza and Erysipelas were more fatal in the Rural districts than in the Urban; but the former had the advantage over the latter as regards Whooping Cough, Diphtheria, Enteric Fever, Diarrhoea, Phthisis, Cancer, Premature Births, Heart Disease and Accidents. It will be noticed, too, that Bronchitis was equally fatal in both districts.

The Table also shows that 20 per cent. of the total deaths were caused by Phthisis (Consumption) and its allied diseases, Bronchitis, Pneumonia and Pleurisy—a decrease of one on the percentage of last year.

## Mortality Rates of England and Wales and the Principal Towns compared with those of Cornwall—1908.

Table No. 10.

		MORTALITY PER 1,000 POPULATION FROM										
		All causes.	The following seven Zymotic diseases.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping Cough.	Fevers.	Diarrhoea.		Deaths under 1 year per 1,000 births.
England and Wales ..	{	1899	18.3	2.21	0.01	0.31	0.12	0.29	0.30	0.20	0.98	163
		1900	18.3	2.00	0.00	0.39	0.12	0.29	0.34	0.17	0.69	154
		1901	16.9	2.05	0.01	0.27	0.13	0.27	0.30	0.16	0.91	151
		1902	16.3	1.64	0.08	0.38	0.15	0.23	0.29	0.13	0.38	133
		1903	15.4	1.46	0.02	0.27	0.12	0.18	0.27	0.10	0.50	132
		1904	16.2	1.94	0.01	0.36	0.11	0.71	0.34	0.09	0.86	146
		1905	15.2	1.52	0.00	0.32	0.11	0.16	0.25	0.09	0.59	128
		1906	15.4	1.73	0.00	0.27	0.10	0.17	0.23	0.09	0.87	133
		1907	15.0	1.26	0.00	0.36	0.09	0.16	0.29	0.07	0.29	118
1908	14.7	1.29	0.00	0.13	0.06	0.15	0.25	0.07	0.33	121		
CORNWALL ..	{	1899	16.0	1.05	0.000	0.00	0.03	0.04	0.33	0.17	0.48	135
		1900	16.4	0.71	0.000	0.04	0.03	0.08	0.16	0.10	0.30	126
		1901	15.9	0.83	0.000	0.25	0.03	0.11	0.13	0.08	0.23	121
		1902	16.7	1.15	0.000	0.29	0.03	0.17	0.47	0.07	0.12	135
		1903	14.2	0.35	0.000	0.01	0.01	0.09	0.04	0.08	0.12	99
		1904	14.7	0.55	0.000	0.12	0.01	0.07	0.13	0.04	0.18	112
		1905	15.9	0.82	0.000	0.05	0.02	0.08	0.43	0.03	0.19	117
		1906	14.4	0.68	0.000	0.06	0.08	0.04	0.13	0.08	0.29	99
		1907	15.0	0.68	0.000	0.23	0.02	0.09	0.14	0.07	0.13	98
1908	14.7	0.56	0.000	0.00	0.04	0.08	0.27	0.04	0.13	101		
33 Great Towns ..	{	1897	19.1	2.87	0.00	0.55	0.18	0.31	0.41	0.18	1.24	177
		1898	19.0	2.85	0.00	0.56	0.14	0.31	0.42	0.20	1.22	178
		1899	20.2	2.81	0.01	0.46	0.13	0.40	0.38	0.22	1.21	181
		1900	19.5	2.50	0.00	0.43	0.13	0.35	0.45	0.20	0.94	172
		1901	18.6	2.68	0.02	0.43	0.17	0.30	0.36	0.17	1.23	168
76 Great Towns ..	{	1902	17.4	0.12	0.12	0.49	0.19	0.26	0.37	0.15	0.54	145
		1903	16.3	1.89	0.03	0.36	0.14	0.20	0.33	0.12	0.71	144
		1904	17.2	2.49	0.01	0.47	0.12	0.19	0.40	0.10	1.20	160
		1905	15.7	1.88	0.00	0.39	0.13	0.16	0.29	0.08	0.83	140
		1906	15.9	2.24	0.00	0.40	0.12	0.19	0.28	0.09	1.16	145
		1907	15.4	1.54	0.00	0.43	0.12	0.17	0.35	0.07	0.49	127
1908	14.9	1.59	0.00	0.31	0.10	0.16	0.29	0.08	0.65	128		

## DISTRICT MONTHLY RAINFALL—1908.

Table No. 11.

STATIONS.	Altitude.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	TOTALS.
	ft.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.
Poughill ..	200	2·36	2·93	4·01	2·38	1·53	0·98	3·23	3·63	2·43	1·37	2·05	4 21	31·11
Tintagel ..	..	1·74	2·27	4·33	1·79	1·20	0·56	2·23	2·91	2·25	1·44	1·43	2·83	24·98
Launceston ..	476	1·98	3·07	4·40	2·79	1·70	0·89	2·78	4·45	3·09	1·48	2·00	4·12	32·75
Gunnislake ..	850	1·84	2·93	5·78	3·23	2·57	0·44	3 58	3·92	4·39	1·89	1·97	4·95	37·49
Pentillie Castle ..	150	2·69	3·25	5·75	3·65	3·11	0·97	4·08	4·77	3·76	2·24	2·36	6·32	42·95
Liskeard ..	375	3·22	3·53	6·27	3·10	2·43	0 87	3·48	5·24	3·45	2·18	1·90	5·47	41·14
Bodmin ..	480	2·15	3·49	5·99	3·15	2·09	0 99	3·28	4·99	4·00	2 71	1 69	4·58	39·11
Pencarrow ..	..	1·47	3·45	5·19	2·45	1·97	0·98	3·17	4·44	2·59	1·92	1·39	3·97	32·99
Newquay ..	100	0·98	1·49	3·98	2·06	1·31	0·72	1·92	3·29	2·11	2·28	1·31	3·05	24·50
Plymouth (Dev.)	117	1·69	2·48	4·17	3·04	2·12	0·41	1·98	3·95	3·24	1·96	1·45	4·76	31·25
Cremyll ..	25	1·62	2·71	4·28	3·05	2·08	0 57	1·90	4·14	3·09	1·68	1·32	5·19	31·63
St. Austell ..	300	1·59	2·78	5·48	2·60	2·42	0·61	2 43	4·85	4·55	2·96	1·71	4·85	36·83
St. Agnes ..	318	1·34	1·98	4·83	1·75	1·48	0·99	2·17	3·14	2·24	1·66	1·69	4·59	27·86
Probus ..	..	1·38	2·32	5·17	1·97	1·98	1·51	2·09	3·90	3·94	2·57	1·40	4·51	32·74
Truro (R.I.C.) ..	40	1·32	2·40	5 58	2 02	1·86	1·04	2·22	4·32	3 93	2 97	1·49	5·36	34·51
Redruth ..	..	1·50	2·31	6·32	2·36	2·11	0 86	2·79	5·34	3·85	2·20	1·73	6·10	37 47
Trevince ..	240	1·12	2·21	6·31	2·34	2·16	1·08	2·91	5·92	4·41	2·13	1·61	6 08	38·28
St. Ives ..	60	1·43	2·26	5·03	1·68	1·84	0·51	2·21	5·40	2·82	2·76	1·44	5·48	32·86
Phillack ..	70	0·99	1·71	4·47	1·55	1·56	1·46	1·97	4·11	2·53	2·47	1·40	4·20	28·42
Falmouth (Ob.) ..	169	2 04	3·35	5·80	2·45	2·32	1·06	2·28	4 33	3·77	2·71	1·42	6·08	37·61
Bosahan ..	..	0·68	1·39	4·17	1·92	1·57	0·97	1·41	2 61	2·58	2·32	1·31	4·36	25·29
Mullion ..	..	1·17	2·26	4·93	1·78	1·82	0·57	1·71	3 64	3·73	2·11	1·29	4 54	29·55
Marazion ..	30	1·48	2·74	5·27	1·72	2 22	1·36	2·11	4·39	3 87	2·93	1 43	5·65	35·17
Penzance..	55	1·52	2·88	5·48	2·16	2·13	1·21	2·43	4 72	3·71	3·22	1·60	6·87	37·93
Scilly (St. Mary's) ..	..	1·15	1·49	3·02	1·28	0·90	0·77	1·77	2·82	3·79	1·25	0·91	5·07	24 22

## Temperature and Humidity—1908.

Table No. 12.

	Mean Temperature.	Mean Daily Range of Temperature.	Absolute extremes of Temperature.		Mean Relative Humidity of the air. <small>saturation=100</small>
			Highest.	Lowest.	
	°	°	°	°	
January .. ..	40·79	8·17	52·8	22·8	89
February .. ..	44·84	7·66	53·4	32·9	85
March .. ..	43·00	11·26	55·1	29·6	82
April .. ..	45·86	12·79	61·7	30·3	77
May .. ..	54·27	11·98	69·7	41·7	80
June .. ..	58·24	13·22	77·5	42·8	74
July .. ..	60·70	12·57	77·7	49·8	79
August .. ..	61·26	12·30	74·5	47·1	77
September .. ..	56·66	11·19	70·0	42·6	81
October .. ..	56·28	11·42	71·3	33·1	87
November .. ..	50·41	9·54	61·1	36·4	83
December .. ..	46·47	9·08	53·0	32·5	86
Means .. ..	51·56	10·93	Highest 77·7	Lowest 22·8	81

## Winter and Summer Temperature and Humidity—1908.

Table No. 13.

	Mean Temperature.	Mean Daily Range of Temperature.	Absolute extremes of Temperature.		Mean Relative Humidity of the air. <small>saturation=100</small>
			Highest.	Lowest.	
	°	°	°	°	
<b>WINTER.</b>					
January .. ..	40·79	8·17	52·8	22·8	89
February .. ..	44·84	7·66	53·4	32·9	85
March .. ..	43·00	11·26	55·1	29·6	82
April .. ..	45·86	12·79	61·7	30·3	77
November .. ..	50·41	9·54	61·1	36·4	83
December .. ..	46·47	9·08	53·0	32·5	86
Means .. ..	45·23	9·75	Highest 61·7	Lowest 22·8	83
<b>SUMMER.</b>					
May .. ..	54·27	11·98	69·7	41·7	80
June .. ..	58·24	13·22	77·5	42·8	74
July .. ..	60·70	12·57	77·7	49·8	79
August .. ..	61·26	12·30	74·5	47·1	77
September .. ..	56·66	11·19	70·0	42·6	81
October .. ..	56·28	11·42	71·3	33·1	87
Means .. ..	57·90	12·11	Highest 77·7	Lowest 33·1	79

## RAINFALL—1908.

Table No. 14.

			Mean Total Rainfall.	No. of days with rain (0.01 in. or more.	Greatest fall in 1 day.
			Inches.		Inches.
January	..	..	1.63	14	0.47
February	..	..	2.54	19	0.63
March	..	..	5.04	20	0.80
April	..	..	2.33	15	0.65
May	..	..	1.94	15	0.50
June	..	..	0.89	7	0.40
July	..	..	2.48	13	0.59
August	..	..	4.20	15	0.91
September	..	..	3.36	17	0.74
October	..	..	2.21	11	0.87
November	..	..	1.53	12	0.38
December	..	..	4.92	24	0.95
Totals	..	..	33.07	182	Greatest 0.95

## SUMMARY.

### Temperature, Humidity, Rainfall, and Sunshine—1908.

Table No. 15.

STATIONS.	Mean Tempera- ture. — The Year.	Mean Daily Range of Tempera- ture.	Mean Relative Humidity.	Total Rainfall.	Total duration of hours of bright Sunshine.	Authority supplying the Monthly Returns.
	°	°	%	Inches.		
Poughill .. ..	*	*	*	31·11	*	Miss Field
Tintagel .. ..	*	*	*	24·98	*	Mr. W. Taylor
Launceston ..	†47·70	†13·10	†82	32·75	*	Capt. Ching, R.N.
Gunnislake ..	*	*	*	37·49	*	Mr. C. A. Wadge
Pentillie Castle ..	*	*	*	42·95	*	Mr. W. T. Johnson
Liskeard .. ..	50·42	10·83	*	41·14	*	Mr. S. W. Jenkin
Bodmin .. ..	*	*	*	39·11	*	Rev. Preb. J. T. Every
Pencarrow ..	48·21	15·52	*	32·99	*	Mr. A. C. Bartlett
Newquay .. ..	51·65	8·70	86	24·50	1832	Dr. Vigurs
Plymouth (Dev.)	51·46	10·74	80	31·25	1811	Mr. H. V. Prigg
Cremyll .. ..	52·64	13·25	*	31·63	*	Mr. W. Wonnacott
St. Austell ..	*	*	*	36·86	*	Mr. W. M. Coode
St. Agnes .. ..	*	*	*	27·86	*	Dr. Whitworth
Probus .. ..	*	*	*	32·74	*	Mr. H. Tresawna
Truro (R.I.C.) ..	52·14	13·37	81	34·51	1863	Mr. G. Penrose
Redruth .. ..	*	*	*	37·47	*	Mr. A. Lanyon
Trevince .. ..	*	*	*	38·28	*	Mr. E. B. Beauchamp
St. Ives .. ..	52·23	8·12	79	32·86	*	Dr. Nicholls
Phillack .. ..	*	*	*	28·42	*	Rev. A. P. Hockin
Falmouth (Ob.) .	51·68	9·64	83	37·61	1743	Mr. E. Kitto
Bosahan .. ..	52·04	8·62	*	25·29	1798	Mr. T. Crawford
Mullion .. ..	51·92	13·31	*	29·55	1820	Mr. R. Thomas
Lizard Lights ..	54·17	*	*	*	*	Mr. J. E. Davies
Marazion .. ..	*	*	*	35·17	*	Mr. T. W. Field
Penzance .. ..	52·90	9·37	80	37·93	1817	Mr. C. H. Benn
Scilly, (St. Mary's)	*	*	*	24·22	1865	Mr. A. Hicks

\* No Observations.    † 10 months average.    ‡ 9 months average.

