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BOGNOR URBAN DISTRICT.

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ANNUAL REPORT

OF THE

MEDICAL OFFICER OF HEALTH,

AND THE REPORT OF THE

CLIMATOLOGICAL SOCIETY,

FOR THE YEAR 1907.

TO THE CHAIRMAN AND MEMBERS OF THE BOGNOR URBAN DISTRICT COUNCIL.

Gentlemen,

I beg to present to you my 18th Annual Report on the health and sanitary condition of the Urban District of Bognor for the year ended 31st December, 1907.

The area of the District is 865 acres and contains about 1625 inhabited houses.

During the last few years the increase in the number of inhabited houses has been considerable, namely :—

In 1904 there were 1443 Inhabited Houses.

„ 1905	„	1531	„	„
„ 1906	„	1586	„	„
„ 1907	„	1625	„	„

52 plans for new houses were passed by the Council, and 48 erected.

The population estimated to the middle of the year under report is 7477.

The gross number of deaths registered during the year was 75, viz:—32 males and 43 females ; and were distributed over the 12 months as follows:—

	MALE.	FEMALE.	TOTAL.
January	3	4	7
February	4	6	10
March	4	3	7
April	2	9	11
May	2	4	6
June	1	0	1
July	2	0	2
August	4	5	9
September	3	5	8
October	1	5	6
November	4	1	5
December	2	1	3
	32	43	75

Included in this number are 4 deaths which occurred in Public Institutions.

The estimated death rate is 10.0 which, you will agree, is most satisfactory.

The total number of deaths and the death rates since the increase in the area of the district which took place on 1st October, 1900 are as follows :—

	TOTAL.	RATE.
1901	66	10.5
1902	80	12.4
1903	76	11.4
1904	82	11.9
1905	71	10.0
1906	66	9.0
1907	75	10.0

The various ages at which death occurred during the year under report were as follows :—

Under 1 year	9
1 year and under 5 years	6
5 years and under 15 years	6
15 years and under 25 years	1
25 years and under 65 years	28
65 years and under 80 years	17
80 years and over	8
	<hr/>
	75
	<hr/>

The ages of death of those of 80 years and upwards were as follows :—

2 at 81
1 at 82
1 at 83
1 at 85
1 at 86
1 at 87
1 at 89

The chief causes of death were as follows :—

Scarlet fever	...	1	Other diseases of the res-		
Epidemic influenza	...	1	piratory organs	...	3
Phthisis	...	4	Cirrhosis	...	3
Other tubercular diseases		4	Premature birth	...	1
Cancer	...	5	Heart diseases	...	11
Bronchitis	...	5	Accidents	...	2
Pneumonia	...	4	Senile decay	...	10
			All other causes	...	21

The two deaths from accident were due to burns occurring in infants; one aged 2 years, and the other aged 15 months.

During the year there were, as stated above, 9 deaths of infants under 1 year of age, which gives an infantile mortality rate of 1.2 per 1000 general population and 67.6 per 1000 births registered.

It is satisfactory to note that these figures are lower than those for the year 1906 in which the infantile mortality rate per 1000 general population was 1.5 and 83.9 per 1000 births registered. This is accounted for by the fact that owing to the cold and wet summer no death was registered as having occurred from infantile diarrhoea. During the hot and dry summer of 1906, seven deaths were registered from this cause.

Under the Infectious Diseases Notification Act I have received 38 certificates, viz :—

Scarlet fever	...	...	28
Diphtheria	...	...	6
Enteric fever	...	...	1
Erysipelas	...	...	3



The above notified cases were spread over the 12 months as follows:—

	Scarlet fever.	Diphtheria.	Enteric fever.	Erysipelas.
January	5	1		
February	8			2
March	1	2		
April	6			
May	1			1
June	1	1		
July				
August	3		1	
September	1			
October				
November	2			
December		2		

Five of the cases of Scarlet fever and one of the cases of Diphtheria occurred in Public Institutions in the Town.

It is satisfactory to record that of the 38 cases notified only 1 death occurred, viz:—from Scarlet fever. This gives an average death rate from notifiable diseases of 0.1 per 1000 estimated population.

The one case of Enteric fever notified was brought into the Town suffering from the disease and was at once removed.

Six cases, namely 4 of Scarlet fever and 2 of Diphtheria, were removed from their dwellings (where there was no adequate means of isolation) to the Isolation Hospital, where they all recovered.

During the previous 5 years the number of cases notified to me were as follows:—

1902	39
1903	26
1904	35
1905	34
1906	35

The number of births registered in the District was 133, viz:—61 males and 72 females.

This gives a birth rate of 17.7 per 1000 estimated population.

The figures for the previous 5 years are as follows:—

	MALE.	FEMALE.	TOTAL.	RATE.
1902	81	64	145	22.5
1903	64	54	118	17.7
1904	75	62	137	19.9
1905	59	59	118	16.7
1906	52	79	131	18.0

Systematic inspections of the District have been made from time to time, or as occasion required, by myself or the Sanitary Inspector.

Regular monthly reports of the work have been laid before the Sanitary Committee. Beside this general supervision I have paid 23 visits in cases where I received special notice.

Twenty-six complaints of nuisances were reported to the Sanitary Inspector. 13 were abated after statutory notice and one is in hand. The remaining 12 were abated after instructions.

During the year a new Mortuary, wash house, and disinfecting room have been erected in connection with the Isolation Hospital.

The Factories on the Register at the end of the year and under the supervision of the Council are 5 in number and are classified as follows :—

- 1 Steam Laundry.
- 1 Mineral Water Works.
- 1 Forage Contractor.
- 2 Printers.

The Workshops on the Register at the end of the year were 67 in number and are classified as follows :—

Bakehouses	...	...	...	9
Dressmakers	...	...	...	8
Tailors	...	...	...	6
Laundries	...	...	...	4
Carpenters	...	...	...	10
Shoemakers	...	...	...	7
Plumbers	...	...	...	4
Coachbuilders	...	...	...	2
Harness Makers	...	...	...	2
Farriers	...	...	...	3
Watchmakers	...	...	...	3
Cabinet Makers	...	...	...	2
Forage Contractors	...	...	...	2
Cycle Makers	...	...	...	3
Brick Makers	...	...	...	2
Total				67

The above Factories and Workshops have been inspected during the year. All were found to be in a satisfactory condition.

The house refuse is collected weekly in covered carts and more frequently during the summer months.

The scavenging and watering of the streets under the control of the Council have been thoroughly carried out.

The water supply of the town has been ample in quantity and still maintains its high standard of purity.

I also enclose Tables 1, 2, 3, 4 and 5 specially required by the Local Government Board, and I take this opportunity of thanking the Members of the Sanitary Committee and the Inspector of Nuisances for the courtesy and help they have extended to me during the year, and beg to remain,

Your obedient Servant,

W. CONWAY COOKE,

Fell. Royal Institute Public Health.  
Med. Officer of Health.

Bognor,

7th February, 1908.



**TABLE I.**  
**Vital Statistics of Whole District during 1907 and previous Years.**

*Name of District: BOGNOR URBAN SANITARY.*

YEAR.	Population estimated to Middle of each Year.	BIRTHS.		TOTAL DEATHS REGISTERED IN THE DISTRICT.				Total deaths in Public Institutions in the District.	Deaths of Non-residents registered in Public Institutions in the District.	Deaths of Residents registered in Public Institutions beyond the District.	Nett Deaths at all Ages belonging to the District	
		Number.	Rate*	Under 1 Year of Age.		At all ages.					Number	Rate.*
				Number.	Rate per 1,000 Births registered.	Number.	Rate.*					
1	2	3	4	5	6	7	8	9	10	11	12	13
1897.	4613	77	16.6	8	103.8	63	13.6					
1898.	4694	78	14.4	14	179.4	69	13.4					
1899.	4775	80	16.7	17	212.5	71	14.8					
1900.	4856	81	16.6	14	172.8	73	15.0	6	6			
1901.	6232	108	17.3	7	64.8	66	10.5	5	5			
1902.	6439	145	22.5	14	96.5	80	12.4	5	5			
1903.	6647	118	17.7	7	59.3	76	11.4	5	5			
1904.	6854	137	19.9	17	124.0	82	11.9	1	1			
1905.	7062	118	16.7	15	127.1	71	10.0	2	2			
1906.	7269	131	18.0	11	83.9	66	9.0	3	3			
Averages for years 1897-1906.	5944.1	107.3	17.6	12.4	122.4	71.7	12.2					
1907.	7477	133	17.7	9	67.6	75	10.0	4	4			

\*Rates in Columns 4, 8, and 13 calculated per 1,000 of estimated population.

Area of District in acres }  
(exclusive of area } 865 Acres.  
covered by water)

Total population at all ages 6180

Number of inhabited houses 1210

N.B.—Until the 1st Oct., 1900, the area of the District was 503 acres. On that date the area was increased by the addition of 362 acres.

Average number of persons per house 5.1

At Census of 1901.

1.	2.
Institutions within the District receiving sick and infirm persons from outside the District.	Institutions outside the District receiving sick and infirm persons from the District.
<p>Merchant Taylors' Convalescent Home for Men.</p> <p>Merchant Taylors' Convalescent Home for Women.</p> <p>Victorian Convalescent Home for Surrey Women.</p> <p>Cambridge House (Children).</p> <p>Victoria Convalescent Home (Women).</p> <p>Princess Mary's Memorial Home (Women).</p> <p>Scott's Memorial Home.</p> <p>Arthur's Home (Children).</p> <p>Princess Mary's Convalescent Home (Children).</p> <p>Rest Lodge.</p> <p>Maconachie Home.</p> <p>Cottage Homes.</p>	<p>Westhampnett Union.</p> <p>Chichester Infirmary.</p> <p>Various London and Provincial Hospitals and Convalescent Homes.</p> <p>Various Sanatoria for the open air treatment of Pulmonary Tuberculosis.</p> <p>Gralingwell Asylum situated at Westhampnett near Chichester.</p>

TABLE III.

**Cases of Infectious Disease notified during the Year 1907.***Name of District: BOGNOR URBAN SANITARY.*

NOTIFIABLE DISEASE.		AT ALL AGES.		TOTAL CASES REMOVED TO HOSPITAL.	
Small-pox	...	...	...	...	...
Cholera	...	...	...	...	...
Diphtheria (including Membranous croup)	6	...	...	2	...
Erysipelas	...	3	...	...	...
Scarlet Fever	...	28	...	4	...
Typhus Fever	...	...	...	...	...
Enteric Fever	...	1	...	...	...
Relapsing Fever	...	...	...	...	...
Continued Fever	...	...	...	...	...
Puerperal Fever	...	...	...	...	...
Plague	...	...	...	...	...
Totals	...	38	...	6	...

Bognor Isolation Hospital provided by the Bognor Urban District Council. Pauper patients are in some cases sent to the Westhampnett Union Isolation Hospital situated at Westhampnett, near Chichester, provided by Guardians.



TABLE IV.  
Causes of, and Ages at, Death during Year 1907.  
*Name of District: BOGNOR URBAN SANITARY.*

CAUSES OF DEATH.	Deaths at the subjoined ages of "Residents" whether occurring in or beyond the District.							Total deaths whether of Residents or non-Residents in Public Institutions in the District.
	All ages.	Under 1 year.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 65.	65 and upwards.	
1	2	3	4	5	6	7	8	9
Small-pox ...	...	...	...	...	...	...	...	...
Measles ...	...	...	...	...	...	...	...	...
Scarlet fever ...	1	...	...	1	...	...	...	...
Whooping-cough ...	...	...	...	...	...	...	...	...
Diphtheria and membranous croup ...	...	...	...	...	...	...	...	...
Croup ...	...	...	...	...	...	...	...	...
Fever { Typhus ...	...	...	...	...	...	...	...	...
{ Enteric ...	...	...	...	...	...	...	...	...
{ Other continued ...	...	...	...	...	...	...	...	...
Epidemic influenza ...	1	...	...	...	...	...	1	...
Cholera ...	...	...	...	...	...	...	...	...
Plague ...	...	...	...	...	...	...	...	...
Diarrhoea ...	...	...	...	...	...	...	...	...
Enteritis ...	...	...	...	...	...	...	...	...
Puerperal fever ...	...	...	...	...	...	...	...	...
Erysipelas ...	...	...	...	...	...	...	...	...
Other septic diseases ...	...	...	...	...	...	...	...	...
Phthisis, (Pulmonary Tuberculosis) ...	4	...	...	...	...	4	...	...
Other tubercular diseases ...	3	1	...	1	...	1	...	1
Cancer, malignant disease ...	5	...	...	...	...	3	2	...
Bronchitis ...	4	1	...	...	...	...	3	1
Pneumonia ...	3	...	2	1	...	...	...	1
Pleurisy ...	...	...	...	...	...	...	...	...
Other diseases of Respiratory organs ...	3	1	...	...	...	...	2	...
Alcoholism—Cirrhosis of liver ...	3	...	...	...	...	3	...	...
Venereal diseases ...	...	...	...	...	...	...	...	...
Premature birth ...	1	1	...	...	...	...	...	...
Diseases and accidents of parturition ...	...	...	...	...	...	...	...	...
Heart diseases ...	11	1	...	...	1	6	3	...
Accidents ...	2	...	2	...	...	...	...	...
Suicides ...	...	...	...	...	...	...	...	...
Senile decay ...	10	...	...	...	...	...	10	...
All other causes ...	20	4	1	1	...	10	4	1
All causes ...	71	9	5	4	1	27	25	4

TABLE V.  
BOGNOR URBAN SANITARY DISTRICT.  
INFANTILE MORTALITY DURING THE YEAR 1907.  
DEATHS FROM STATED CAUSES IN WEEKS AND MONTHS UNDER ONE YEAR OF AGE.

CAUSE OF DEATH.		Under 1 week.	1-2 Weeks.	2-3 Weeks.	3-4 Weeks.	Total under 1 Month.	1-2 Months.	2-3 Months.	3-4 Months.	4-5 Months.	5-6 Months.	6-7 Months.	7-8 Months.	8-9 Months.	9-10 Months.	10-11 Months.	11-12 Months.	Total Deaths under One Year.
All causes.	Certified ...	1	...	2	...	3	...	...	...	3	2	1	...	...	...	...	...	9
	Uncertified ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Common Infectious Diseases.	Small-pox ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Chicken-pox ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Measles ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Scarlet Fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Diphtheria (including Membranous Croup) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diarrhoeal Diseases.	Whooping Cough ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Diarrhoea, all forms ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Enteritis, Muco-enteritis } Gastro-enteritis }	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Gastritis, Gastro-intestinal Catarrh }	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Wasting Diseases.	Premature Birth ...	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1
	Congenital Defects ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Injury at Birth ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Want of Breast-milk } Starvation }	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Atrophy, Debility } Marasmus }	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1
Tuberculous Diseases.	Tuberculous Meningitis }	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1
	Tuberculous Peritonitis }	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Tabes Mesenterica }	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Other Tuberculous Diseases }	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Other Causes.	Erysipelas ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Syphilis ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Rickets ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Meningitis (Not Tuberculous) }	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Convulsions ...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1
	Bronchitis ...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	1
	Laryngitis ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Pneumonia ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Suffocation, overlaying }	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Other causes ...	...	...	1	...	1	...	...	...	2	...	1	...	...	...	...	...	4
		1		2		3				3	2	1						9
Births in the year { legitimate M 55. F 70. Total: 125. } { illegitimate M 6. F 2. Total: 8. }		Population. Estimated to middle of 1907. 7477.																
Deaths in the year { legitimate infants M 4. F 3. } { illegitimate infants M 0. F 2. }		Deaths from all Causes at all Ages 75.																



Annual Report of the Medical Officer of Health for the year 1907 for the URBAN DISTRICT of BOGNOR, on the administration of the Factory and Workshop Act, 1901, in connection with

FACTORIES, WORKSHOPS, LAUNDRIES, WORKPLACES AND HOMEWORK.

1.—INSPECTION.

INCLUDING INSPECTIONS MADE BY SANITARY INSPECTOR OR INSPECTOR OF NUISANCES.

Premises.	Number of		
	Inspections.	Written Notices.	Prosecutions.
<b>Factories</b> .. .. . (Including Factory Laundries).	5	..	..
<b>Workshops</b> .. .. . (Including Workshop Laundries).	67	..	..
<b>Workplaces</b> .. .. . (Other than Outworkers' premises included in Part 3 of this Report).	..	..	..
<b>Total</b> .. .. .	72		

2.—DEFECTS FOUND.

Particulars.	Number of Defects.			Number of Prosecutions.
	Found.	Remedied.	Referred to H. M. Inspector.	
<i>Nuisances under the Public Health Acts :—</i>				
Want of cleanliness .. .. .				
Want of ventilation .. .. .				
Overcrowding .. .. .				
Want of drainage of floors .. .. .				
Other nuisances .. .. .				
Sanitary accommodation { insufficient .. .. .		NIL.		
{ unsuitable or defective .. .. .				
{ not separate for sexes .. .. .				
<i>Offences under the Factory and Workshop Act :—</i>				
Illegal occupation of underground bakehouse (s 101) .. .. .				
Breach of special sanitary requirements for bakehouses (ss. 97 to 100). .. .. .				
Other offences .. .. .				
(Excluding offences relating to outwork which are included in Part 3 of this Report). .. .. .				
Total .. .. .				

NIL.

3.—REGISTERED WORKSHOPS.

Important classes of workshops such as workshop bakehouses, may be enumerated here.	Bakehouses .. .. .	9	Harness Makers .. .. .	2
	Dressmakers .. .. .	8	Farriers .. .. .	3
	Tailors .. .. .	6	Watchmakers .. .. .	3
	Laundries .. .. .	4	Cabinet Makers .. .. .	2
	Carpenters .. .. .	10	Forge Contractors .. .. .	2
	Shoemakers .. .. .	7	Cycle Makers .. .. .	3
	Plumbers .. .. .	4	Brick Makers .. .. .	2
	Coach Makers .. .. .	2		

Total number of workshops on Register .. .. . 67.



# Bognor Climatological Society.

## REPORT OF THE OBSERVERS FOR 1907.

Owing to unavoidable circumstances the Observers can do little more than submit the following Tables with but very few remarks this year.

ATMOSPHERIC PRESSURE.—TABLE I. The highest recorded at 9 a.m. was on the 23rd of January when the reduced reading of the Barometer was 30.787 inches.

TEMPERATURE.—TABLE II. The minimum temperature on the grass was higher than that in the screen 4-ft. above, on 6 occasions during the year.

SUBSOIL TEMPERATURE.—TABLE III. The maximum and mean temperatures 4-ft. below the surface reached the critical point of 56 degs. on July 15th, and the minimum rose to 56 on the 19th. The temperature did not fall below this point until the 22nd of October.

RAINFALL.—TABLE IV. Although an impression appears to be rather general that 1907 was a very wet year, reference to the Table will show this idea to be erroneous, for though the number of rain days was rather in excess of the records of the last few years the total quantity of rain measured was about  $\frac{3}{4}$  of an inch below the average, while the amount of bright sunshine recorded (see Table V.) was about the greatest in the South of England.

The following statistics of rainfall have been kindly supplied by Mr. Guernonprez of Albert Road, Bognor, Mr. F. J. Neale of Felpham, and Mr. H. Neale of Lidsey.

### RAINFALL.

	Albert Road.			Felpham.			Lidsey.		
	Inches.	Greatest Fall.	On.	Inches.	Greatest Fall.	On.	Inches.	Greatest Fall.	On.
January	1.21			1.05	0.58	1st	0.98	0.64	1st
February	1.02			.93	.24	10th	1.11	.34	19th
March	.65			.58	.12	12th	.79	.17	12th
April	3.61			3.66	.76	12th	4.28	.71	12th
May	2.47			2.12	.57	11th	2.35	.57	11th
June	2.41	0.76	1st	2.40	1.03	1st	2.93	1.34	1st
July	.86			.70	.23	3rd	.94	.25	3rd
August	1.03			.82	.25	17th	1.03	.38	17th
September	.56			.52	.20	5th	.57	.22	4th
October	4.68			4.65	.77	29th	6.11	.91	17th
November	1.95	0.80	26th	1.94	.76	26th	2.58	.86	26th
December	2.75			2.68	.52	13th	3.63	.71	7th
Totals	23.20			22.05			27.30		
Number of rain days			187						150

In considering rainfall it should be borne in mind that this term includes all water of either condensation or deposition, including rain, hail, snow and dew, and that all quantities exceeding 0.005 of an inch are recorded and placed under the general head of "Rain days" which term must not be confused with "rainy days,"—a rain day being simply a day on which a measurable quantity of liquid, dew for example, has been deposited in the gauge, though the whole 24 hours of that day may have been brilliantly fine.

Mr. Guernonprez states that "moisture was deposited in the guage on 208 occasions; "amounts less than 0.001 on 21 days, and between .001 and .01 on 41 days, leaving the days on "which over .01 fell 146. On the 29th of June was a very heavy rainfall at Barnham but there "was none at Bognor."

The Bognor Climatological Society has now been in existence for over ten years, the first observations having been recorded on the 1st of June, 1897, and we have thought that it would be interesting to see what are the average values of some of the more important of the instrumental readings for the last decade. With this object in view Table VI has been compiled. The records of bright sunshine during the first seven years, 1898 to 1904, were obtained by means of the Jordan Photographic Recorder, and the records of the remaining three years 1905 to 1907 by means of the Campbell-Stokes burning Recorder.

A "dull day" is one during which the sunlight has not been sufficiently intense to affect the instruments and cause them to register the amount.

H. C. L. MORRIS, M.D., F.R. MET. SOC.

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TABLE I.

1907.	Atmospheric Pressure at 9 a.m.									
	Barometer reduced to 32° and mean sea level.	Elastic force of vapour, in decs. of an inch of mercury.	Wind.							
			Number of times observed to be blowing from.							
			N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
	Averages.									
January.	30.334	0.204	5	6	2	1	0	2	1	14
February.	30.036	.192	6	7	2	1	0	6	1	5
March.	30.218	.242	2	5	4	5	0	3	7	5
April.	29.795	.269	0	10	3	3	2	4	5	3
May.	29.884	.302	2	5	8	7	3	0	4	2
June.	29.911	.363	0	1	0	1	2	13	9	4
July.	30.048	.397	1	5	4	2	0	12	6	1
August.	30.038	.427	1	0	0	2	1	13	8	6
September.	30.129	.432	3	9	8	2	1	3	2	2
October.	29.636	.353	1	1	1	2	5	13	5	3
November.	29.994	.294	3	11	0	3	1	4	2	6
December.	29.793	.240	2	0	7	4	0	11	3	1
Totals.			26	60	39	33	15	84	53	55
Averages for the year.	29.985	0.310								

\*Obtained by calculation from the average readings of the Dry and Wet bulbs, by Guyot's Smithsonian Tables.



TABLE II.

Average Temperature in Shade and on Grass												
1907.	Mean Maximum.	Mean Minimum.	Average Mean.	Mean Range.	Greatest range of temperature from min. to max.	Date.	Highest.		Lowest.		Lowest on.	
							Temperature.	Date.	Temperature.	Date.	Mean Minimum on grass.	Grass. Date.
January.	43.6	35.6	39.6	8.0	18.8	on 27th	49.8	on 13th	19.8	on 24th	31.1	17.2 on 27th
February.	42.4	33.2	37.8	9.2	18.8	" 25th	52.8	" 17th	24.7	" 23rd	27.7	15.7 " 23rd
March.	50.4	37.2	43.8	13.2	20.9	" 22nd	57.8	" 31st	26.8	" 12th	30.0	19.2 " 21st
April.	52.1	41.6	46.8	10.5	19.9	" 1st	69.4	" 24th	33.5	" 7th	34.2	25.0 " 19th
May.	57.2	46.9	52.1	10.3	24.5	" 25th	67.7	" 25th	36.6	" 19th	41.1	30.0 " 20th
June.	60.1	50.9	55.5	9.2	17.5	" 17th	63.0	" 16th	44.2	" 17th	47.4	38.0 " 4th
July.	63.6	52.2	57.9	11.4	20.6	" 16th	74.8	" 16th	45.1	" 11 & 12	46.0	35.5 " 12th
August.	64.9	54.1	59.5	10.8	19.2	" 21st	69.9	" 29th	45.4	" 21st	47.9	38.4 " 1st
September.	65.0	52.4	58.7	12.6	23.2	" 16th	69.6	" 8 & 27	42.5	" 16th	45.9	36.0 " 16th
October.	58.2	49.1	53.7	9.1	20.2	" 5th	62.8	" 1st	35.8	" 25th	43.3	30.2 " 28th
November.	52.6	42.4	47.5	10.2	20.7	" 11th	58.4	" 9th	31.6	" 16th	36.7	25.9 " 24th
December.	47.2	40.4	43.8	6.8	20.5	" 7th	55.3	" 8th	31.9	" 28th	35.5	25.6 " 7th
Averages for the year.	54.8	44.7	49.7	10.1							38.9	

TABLE III.

1907.	Frosts.		Subsoil temperature.	Accum. Heat.	
	Number of times the thermometer in box registered 32 degrees and under.	Do. on the grass.		Above 42°	Below 42°
January.	7	17	45.8	41.9	137.6
February.	13	21	43.4	25.6	153.0
March.	4	24	44.5	144.9	70.3
April.	0	11	47.3	179.6	23.5
May.	0	5	50.5	331.1	3.6
June.	0	0	54.0	405.3	0
July.	0	0	56.2	494.9	0
August.	0	0	58.3	543.8	0
September.	0	0	58.2	502.0	0
October.	0	2	56.5	367.9	1.2
November.	1	8	53.4	210.0	26.4
December.	1	9	50.0	130.6	66.9
Totals.	26	97		3377.6	476.5
Average for the year.			51.5	281.5	39.7



TABLE IV.

1907.	Humidity.							
	Average Temperature of			Weight of aqueous vapour in a cubic foot of air. Grains.	Per centage of saturation.	Rain, &c.		
	Dry Bulb.	Wet Bulb.	Dew Point.			Total rain in inches & decs.	Number of rain days.	Greatest fall.
	°	°	°	Grains				Inch.
January	39.3	37.6	35.0	2.44	84.5	1.22	9	0.60 on 1st
February	37.5	36.1	33.6	2.30	85.3	1.18	14	.25 „ { 10th „ { 19th
March	45.3	42.8	39.5	2.78	80.0	0.73	16	.12 „ { 12th „ { 16th
April	47.8	45.3	42.2	3.09	81.0	3.58	18	.65 „ 12th
May	52.9	49.2	45.2	3.47	75.3	2.29	17	.60 „ 11th
June	56.6	53.4	50.2	4.06	79.2	2.25	16	.52 „ 1st
July	59.7	55.9	52.6	4.10	77.5	0.92	16	.11 „ 26th
August	61.9	58.0	54.6	4.77	77.2	1.04	11	.37 „ 17th
September	60.7	57.5	54.9	4.87	81.4	0.55	8	.20 „ 4th
October	54.9	52.1	49.4	3.94	81.8	5.03	30	.73 „ 29th
November	47.5	46.1	44.5	3.38	89.3	2.11	21	.78 „ 26th
December	43.9	41.9	39.2	2.78	83.6	2.88	17	.53 „ 13th
Totals.						23.78	193	
Averages for the year	50.7	49.7	45.1	3.50	81.3			

NOTE.—The weight of aqueous vapour is that existing at the time of observation under the Atmospheric pressure at the level of the Station which is 20 feet above mean-sea level.

\*Calculated from the averages of the Dry and Wet bulbs, by Guyot's Smithsonian Tables.

TABLE V.

1907.	Bright Sunshine. By the Campbell-Stokes Recorder.						Cloud
	Total.  <i>Hours and tenths.</i>	<i>Per centage of possible amount.</i>	Brightest Days.			<i>Number of sunless days.</i>	<i>Average amount of cloud at 9 a.m., 1 to 10.</i>
			<i>Date.</i>	<i>Hours. tenths.</i>	<i>Per centage of possible amount</i>		
January.	80.7	31.3	18th	7.7	90.5	10	7
February.	93.3	33.8	28th	9.4	87.0	6	7
March.	216.5	59.5	31st	11.5	89.8	2	3
April.	189.8	46.2	13th	11.8	86.7	4	5
May.	168.1	35.3	4th	12.7	85.8	1	7
June.	173.6	35.6	10th	14.4	87.8	2	8
July.	227.6	46.5	17th	14.8	93.7	1	7
August.	217.9	49.1	11th	13.6	92.5	2	6
September.	190.2	50.9	10th	11.6	90.0	2	5
October.	116.7	35.8	20th	8.4	84.0	4	7
November.	73.7	28.0	9th 11th	7.1	77.2 78.1	8	6
December.	60.6	25.3	6th	6.7	82.8	11	6
Totals.	1808.7	41.0				53	

TABLE VI.

Averages of the monthly means of the readings at 9 a.m. of Barometer reduced to 32° and mean sea level; and the average Maximum and Minimum temperature; and average monthly totals of Rainfall and Bright Sunshine, for the 10 years from 1898 to 1907 inclusive.

*Bognor Climatological Station ground 20-ft. above Mean-Sea level.*

Month.	Barometer.	Shade Temperature.				Relative Humidity Saturation 100.	Rain Totals.	Average Number of Rain days per Month.	Bright Sunshine Totals.	Average Number of Dull days per Month.
		Max.	Min.	Mean.	Range.					
	Inches.	°	°	°	°		Inches.		Hours.	
January.	30.102	46.1	37.5	41.8	8.6	87.7	2.346	15.6	69.3	10.6
February.	29.922	44.7	36.0	40.4	8.7	86.2	2.204	14.8	91.3	6.3
March.	29.901	48.0	37.2	42.6	10.8	82.0	1.515	14.1	145.4	4.6
April.	29.893	52.5	40.9	46.7	11.6	75.5	1.717	13.2	190.6	2.3
May.	29.935	57.9	45.5	51.7	12.4	75.0	1.799	12.2	218.2	1.7
June.	30.012	63.4	50.9	57.2	12.5	78.3	1.943	11.3	223.9	2.2
July.	30.046	68.3	55.1	61.7	13.2	74.5	1.159	9.5	261.4	0.4
August.	30.006	67.6	55.3	61.5	12.3	74.3	1.873	12.7	238.2	0.8
September.	30.062	64.4	52.1	58.3	12.3	77.3	1.549	11.6	194.5	0.9
October.	29.922	57.7	47.1	52.4	10.6	83.0	3.180	19.3	121.9	4.0
November.	29.967	51.3	41.6	46.5	9.7	86.6	2.966	16.9	77.3	9.2
December.	29.954	46.7	38.2	42.5	8.5	87.8	2.276	17.2	55.6	13.0
Yearly Means.	29.977	55.7	44.8	50.2	10.9	80.7	24.527	168.4	1890.6	56.0

