

1. Number of Pages *26*
2. Date of Report *2-1-36*
3. Initials of Reference *J*

M.R.O. 1-82,400-28-11-80.

MADRAS RECORD OFFICE.

Government of Madras.

Public **DEPARTMENT.**

G.O. No.	<i>994</i>	Press ~~Mis.~~
Dated	<i>17-7-</i>	<i>1869</i>

Not to be folded or roughly handled

***Proceedings of the Madras Government, Public Department,
17th July 1869.***

No. 131. Read the following letter from the Sanitary Commissioner for Madras, to the Chief Secretary to Government, Fort Saint George ; dated Madras, 8th July 1869, No. 2575.

I have the honour to forward, herewith, for submission to Government, the accompanying reports on the mortality in the districts of the Madras Presidency during the fourth quarter of 1868, contrasted with that of 1867, and on the vital statistics in the city of Madras during the first quarter of 1869.

No. 132. ORDER THEREON, 17th July 1869, No. 994.

The Government have learnt with much satisfaction from the foregoing report that the health of the population of Madras, during the first quarter of 1869, has been exceptionally good. The report shows a diminution of mortality from all diseases in the "special" class during this period as compared with the first quarter of 1868, and the average of the nine years 1860-8 ; and the total absence of cholera is a fact specially deserving of notice.

* 2. The Government regret that the working of the recently introduced system of registrations of births and deaths is not yet satisfactory ; but refrain from detailed remarks pending the receipt of the report upon the subject which the Sanitary Commissioner states he is about to submit to the Municipal Commissioners. The Sanitary Commissioner is requested to furnish Government with a copy of this report when issued.

(True Extract).

Actg. Secy. to Govt.

To the Sanitary Commissioner.

- „ Inspector General of the Indian Medical Department.
- „ President of the Municipal Commission for the Town of Madras.

VITAL STATISTICS OF THE CITY OF MADRAS.

FOR THE

FIRST QUARTER OF 1869.

Under the above title of Vital Statistics, I have now to commence a new series of Reports regarding the state of public health in this city as regards actual mortality and the number of births registered during the past quarter.

That these reports should be more comprehensive in their character than those accompanying the former Records of "Deaths in Madras" from 1855 to 1868 inclusive, is due to the following clauses of the Madras Municipal Act (No. IX. of 1867) being now fully brought into force, and being henceforward binding upon the Inhabitants of the city.

218. "The Commissioners shall keep in their office a Register of all Births and Deaths in the Town, and for this purpose they shall divide the Town into such and so many Districts as they shall think fit, and for every such District, they shall appoint a person to be Registrar of Births and Deaths within such District.

219. "Every Registrar shall reside within the District of which he is Registrar, and shall cause his name, with the addition of Registrar of Births and Deaths for the District for which he shall be so appointed, to be placed in some conspicuous place on or near the outer door of his own dwelling house; and the Commissioners shall cause to be printed and published, a list containing the name and place of abode of every Registrar of Births and Deaths in the Town.

220. "The Commissioners shall cause to be prepared and printed a sufficient number of Register Books for making entries of all Births and Deaths which may take place in the Town, according to the forms prescribed in Schedules K. and L. to this Act annexed, and the pages of such book shall be numbered progressively from the beginning to the end.

221. "Every Registrar shall inform himself carefully of every birth and of every death which shall happen in his District after this Act comes into operation, and shall learn and register, as soon as conveniently may be after the event, without fee or reward, the particulars required to be registered, according to the forms in the said Schedules K. and L., respectively, touching every such birth and every such death, as the case may be, which shall not have been already registered, every such entry being made in order from the beginning to the end of the book.

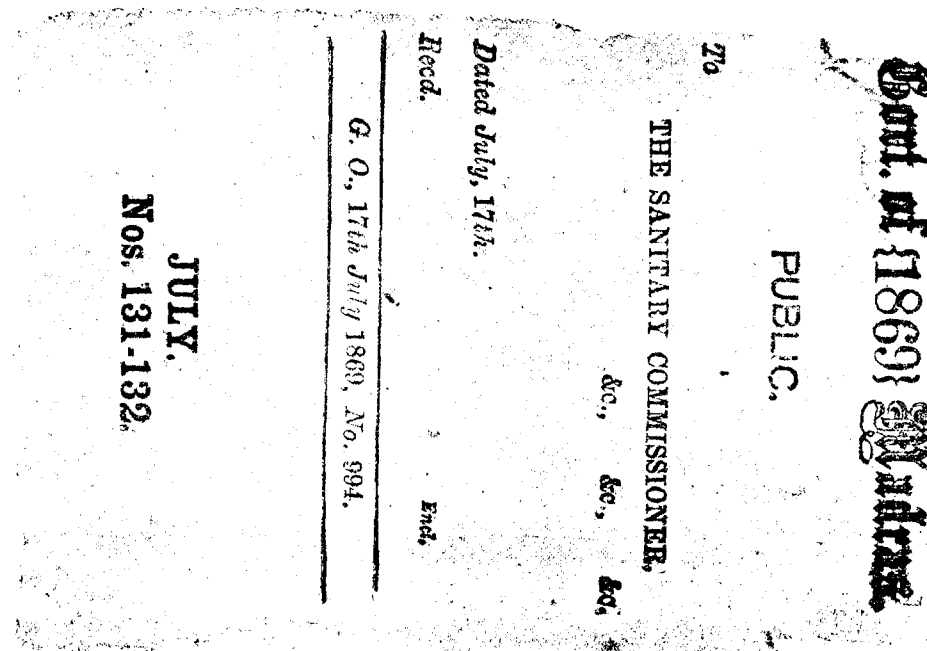


Table showing the Mortality from Special diseases in the first quarter of 1869.

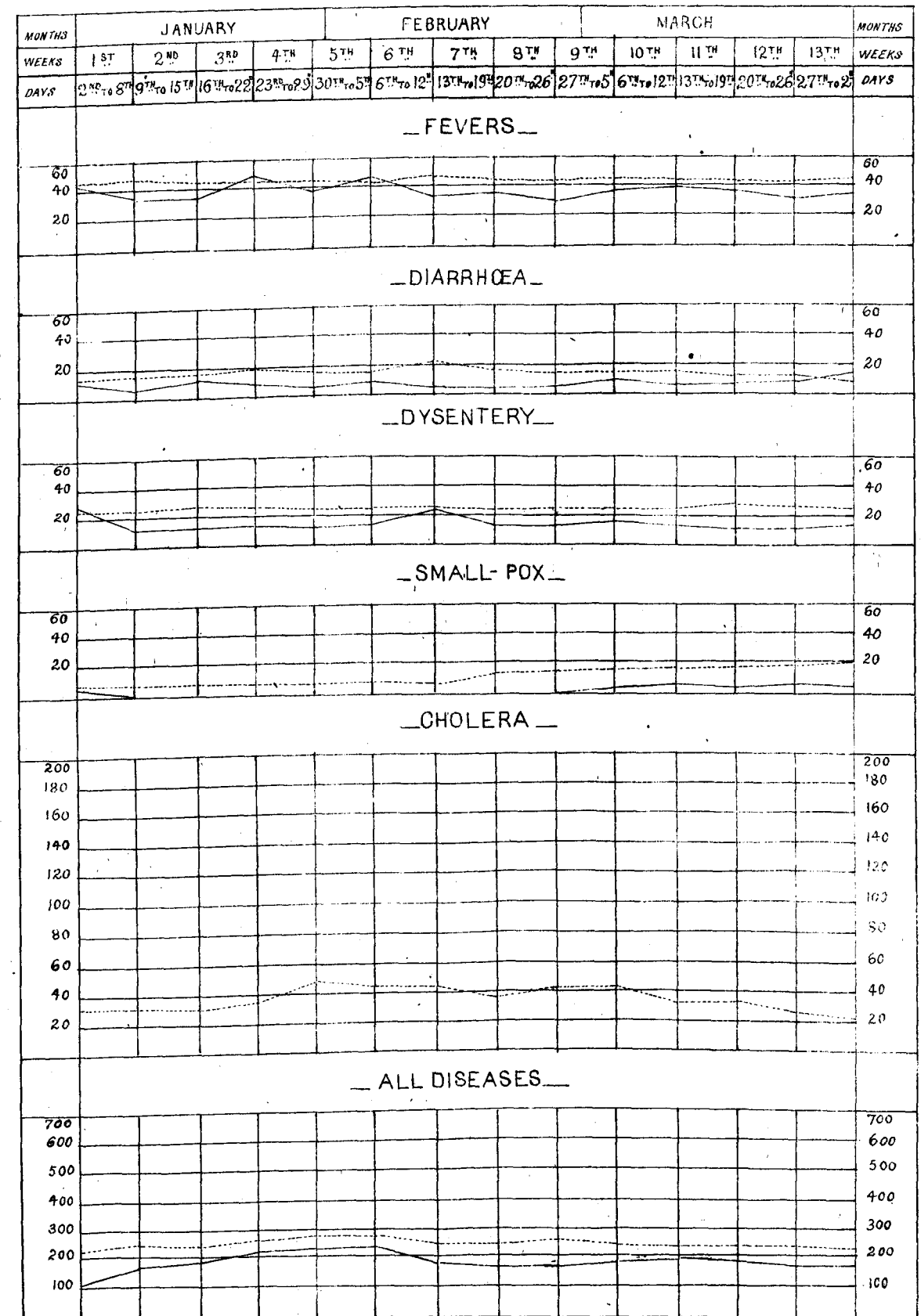
	1st Janu-ary.	Week ending 8th Jan.	Week ending 15th Jan.	Week ending 22nd Jan.	Week ending 29th Jan.	Week ending 5th Feb.	Week ending 12th Feb.	Week ending 19th Feb.	Week ending 26th Feb.	Week ending 5th Mar.	Week ending 12th Mar.	Week ending 19th Mar.	Week ending 26th Mar.	27th to 31st Mar.	Total.
Small-pox	...	...	...	1	1	...	...	...	...	2	5	2	5	...	16
Measles	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3
Fevers	5	35	36	47	39	45	34	37	28	38	39	38	80	25	476
Dysentery	5	14	15	15	15	16	22	14	14	17	12	12	11	9	191
Diarrhoea	2	6	11	9	7	10	4	3	6	12	9	9	9	11	108
Cholera	...	...	124	...	...	...	...	...	...	...	...	...	...	...	...
Other diseases	24	121	124	144	157	159	190	123	123	109	133	121	117	87	1,672
All diseases	36	176	186	216	219	230	190	177	173	178	199	182	172	132	2,466

Average of the first quarters of nine previous years arranged according to weeks.

	5.4	6.2	6.1	6.6	9.3	8.1	7.2	13.9	13.9	14.8	16.7	17.5	22.5	Total.
Small-pox	...	...	...	...	...	...	...	...	...	...	...	...	...	161.3
Measles	1.1	0.2	0.3	0.7	0.5	0.7	0.7	0.7	1.0	0.6	1.3	0.9	1.7	11.0
Fevers	9.4	46.3	44.4	44.5	43.3	41.3	46.3	44.8	40.1	40.7	41.6	40.6	31.4	558.8
Dysentery	3.6	25.1	28.1	26.0	24.9	25.4	25.4	25.3	23.3	26.0	23.6	24.7	17.6	322.9
Diarrhoea	2.6	19.0	19.6	20.1	19.7	18.4	21.1	19.1	18.4	18.9	16.5	16.2	10.0	237.6
Cholera	4.6	32.9	31.2	37.0	50.4	44.2	40.9	37.3	40.1	32.8	32.2	28.4	10.2	457.4
Other diseases	16.9	118.7	112.2	117.8	108.9	120.1	102.9	105.6	124.6	108.7	108.9	109.3	48.5	1408.0
All diseases	43.6	248.4	241.9	252.7	257.0	258.2	244.5	245.9	261.4	242.5	240.8	232.6	141.9	3157.0

DIAGRAM SHOWING THE MORTALITY FROM SPECIAL DISEASES IN MADRAS DURING THE 1ST QUARTER

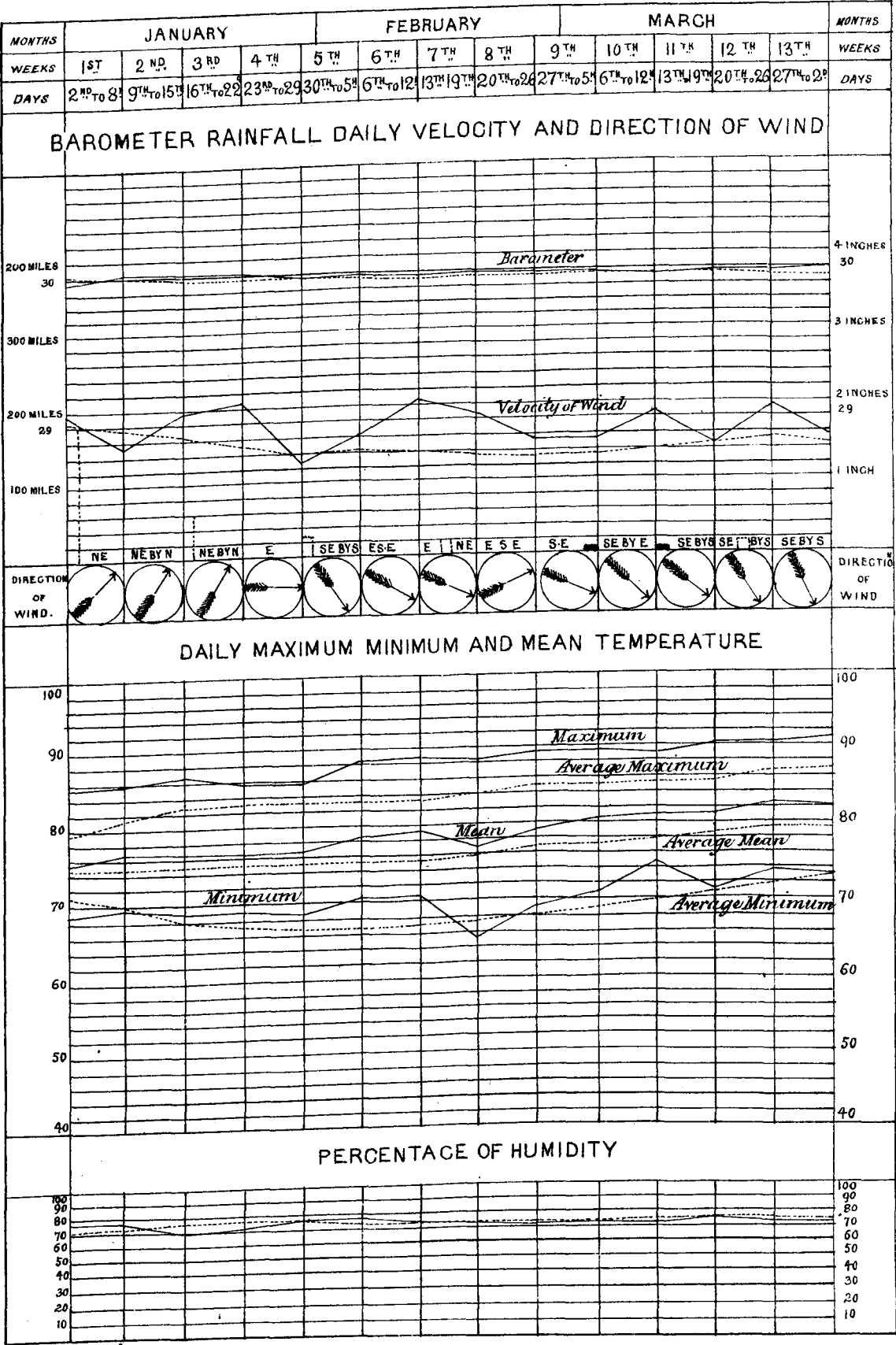
1869



N.B. The total Mortality from each disease during each week is plotted on the perpendicular lines which represent these periods. The horizontal dotted wave lines show the average mortality from each disease for the previous eight years.

DRAWN ON TRANSFER PAPER BY V. V. BANAJI MURDELY, OFFICE OF SANITARY COMMISSIONER, MADRAS, 1869.
LITHO BY R. J. BALOREY GOVT. LITHO PRESS, FORT ST. GEORGE, MADRAS, MAY 1869.

DIAGRAM SHOWING THE METEOROLOGICAL CONDITION OF MADRAS
DURING THE 1ST QUARTER
1869



The mean weekly Meteorological elements are plotted on the perpendicular lines. The dotted wave lines show bi-monthly average for twenty years from observations kept at the Madras Observatory.

Table showing the Mean Meteorological Observations during the first quarter of 1869.

	1st January.	Week ending 8th Jan.	Week ending 15th Jan.	Week ending 22nd Jan.	Week ending 29th Jan.	Week ending 5th Feb.	Week ending 12th Feb.	Week ending 19th Feb.	Week ending 26th Feb.	Week ending 5th Mar.	Week ending 12th Mar.	Week ending 19th Mar.	Week ending 26th Mar.	27th to 31st Mar.	Average.
Barometer reduced to 32° F.	30.008	30.047	30.051	30.020	29.947	29.918	29.905	29.997	29.980	29.946	29.878	29.881	29.867	29.909	29.954
Mean Maximum temperature	86.9	85.6	86.2	85.7	85.8	88.2	89.0	88.5	89.4	89.5	89.2	90.4	90.3	91.8	88.3
" Minimum ..	75.7	69.9	68.6	69.0	67.6	70.1	72.8	65.5	69.4	70.8	74.2	71.7	73.8	73.4	70.9
" Temperature ..	78.6	76.7	76.8	76.2	76.4	78.3	80.0	76.8	79.4	80.3	81.0	81.4	82.1	82.1	79.0
" Humidity ..	76	78	70	70	78	79	73	71	71	73	74	72	71	73	73
Prevailing wind.	N. E.	N. E.	N. E. by N.	N. E. by N.	E.	S. E. by S.	S. E. by E.	E. S. E.	E. N. E.	E. S. E.	S. E.	S. E. by E.	S. E. by S.	S. E. by S.	E. N. E.
Mean velocity in miles	283	156	199	202	131	160	201	184	158	159	184	147	196	128	177
Rain-fall ..	0.02	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.04	.....	.....	.....	0.06

Table showing the Mean half monthly Meteorological conditions of Madras for twenty years past.

	Half month ending 15th January.	Half month ending 31st January.	Half month ending 14th February.	Half month ending 28th February.	Half month ending 15th March.	Half month ending 31st March.	Average.
Barometer reduced to 32° F.	30.004	29.984	29.981	29.958	29.920	29.886	29.956
Mean Maximum temperature	83.0	82.7	83.2	84.8	86.5	86.9	84.3
" Minimum ..	68.1	66.9	67.4	68.7	70.8	72.3	69.2
" Temperature	75.4	75.0	75.7	77.1	78.3	80.1	76.9
" Humidity ..	76	74	73	75	72	75	74
Prevailing wind	N. E.	N. E. by E.	E.	E. S. E.	S. E.	S. S. E.	E. by S.
Mean velocity in miles	163	138	140	130	154	152	146
Rain-fall ..	0.6	0.29	0.20	0.02	0.14	0.34	1.59

Table shewing the Births in Madras among differen

		BORN ALIVE.										Total of both Males & Females.	
		European		East Indians.		Hindoos.		Mahomedans.		Total.			
		M	F.	M	F.	M.	F.	M	F.	M.	F.		
1st Division.	Tondiarpettah ... Washerman's Pettah Moonegar Choultry Royapooram ... Cashmode ...	 4 ...	... ... ... ... ...	... 1 ... 2 ...	... ... ... ... ...	1 9 ... 9 ...	1 6 ... 6 ...	1 4	... 2	2 14 ... 13 ...	1 8 ... 8 ...	3 22 ... 21 ...	
2nd	Peddoo Naick's Pettah Big Parcherry ... John Pereira's garden				5 ... 2	2	43	33	1		49	35	84
3rd.	Fort Saint George Moottialpettah ... Uttapolliam ...	... 2 ...	... 2 ...	... 9 ...	... 4 ...	... 33 ...	... 25 ...	... 1 ...	... 1 ...	... 45 ...	... 32 ...	... 77 ...	
4th.	Choolay ... Pursewalkum ... Gun Powder Mills Pereimbore ... Viasarapandy ...	... 2 ... 1 ...	... 1	... 1 1	... 1	28 40 ... 10 5	32 33 ... 3 3	3 7 ... 1 ...	2 5 ... 1 ...	30 50 ... 12 6	34 40 ... 4 3	64 90 ... 6 9	
5th.	Pareamettoo ... New Town ... Vepery .. Poodoopettah ... Egmore ... Comaluswarpooram Kilpaukum ... Chetput ...	 5	... 1 1	 1 1 ... 20	... 3 2 1 ... 18	6 1 18 3 4	8 ... 19 3 97 3 ... 1	 8 ... 4	1 2 10 ... 1	9 2 27 4 172 4	9 4 31 4 116 3 ... 2	18 6 58 8 288 7 ... 2	
6th.	Chintadripettah Narasingapooram Codumbaukum ... Nungumbaukum Mackay's garden Nagatha Covil ...	... ... ... ... ... ...	... 1	... 1 ... 2 ... ... ...	... ... ... ... ... ...	11 3 ... 5	6 1 1 ...	... 2	... 2	11 6 ... 1	9 4 ... 2 1 ...	20 10 ... 7 1 ...	
7th.	Triplicane .. Poodoopaukum... Fisherman's Pettah Theroovateeswaran Pettah				1		28 12 ... 2	30 9 ... 3	27 3 ... 1	20 1	56 15 ... 3	50 9 ... 4	106 24 ... 7
8th.	Saint Thome ... Alwarpettah ... Royapettah ... Meer Saib's Pettah Kistnam Pettah... Thenampettah ..	 1	1	 1	1	23 1 7 4 1 6	14 3 5 2 2 2	1 ... 4 1 1 ...	2 ... 5 1	25 1 12 5 2 7	18 3 10 3 2 2	43 4 22 8 4 9	
Total...		17	10	45	36	456	351	69	54	587	451	1,038	

classes of the Inhabitants in the first quarter ending 31st March 1869.

STILL-BORN.											
Europeans.		East Indians.		Hindoos.		Mahomedans.		Total.		Total of both Males and Females.	General Total.
M.	F.	M.	F.	M.	F.	M.	F.	M.	F.		
	...	...	...	...	...	...	...	...	...	...	3 22 ... 21 ...
	...	...	...	4	2	...	...	4	2	6	90
	...	...	1	...	...	1	...	1	1	2	79
	...	...	...	1	3	...	...	1	3	4	65 98 ... 16 9
	...	...	...	...	...	...	...	...	...	...	18 6 58 8 316 7 2 2
1	...	1	...	...	...	...	...	2	...	2	23 10 ... 7 1 ...
	...	...	...	1	2	...	...	1	2	3	...
	...	...	...	...	1	2	2	2	3	5	111 24 ... 7
	...	...	...	...	...	1	...	1	...	1	44 4 23 8 5 10
1	...	1	4	18	22	5	2	25	28	53	1,091

This total failure of rain, combined with the excessive heat prevailing during the quarter told considerably upon the city and its inhabitants. Water has become a crying want throughout Madras, and the water, obtainable from the few sources of supply is so brackish and turbid that it is almost unfit for drinking purposes and the use of it must, as a matter of course, be dangerous to health. If drought continues to prevail, and no measures be adopted to avert the evils may arise from such unusual weather, famine and pestilence may be the consequence, and the constitutions of the people may become so enervated as to dispose them to attacks of sickness. Many may then fall victims should epidemic break out, as must naturally be expected from an impure soil such as that of Madras. Partial rain would under such circumstances probably induce appearance of epidemic disease.

HOWARD B. MONTGOMERY, M. D.

Secretary Sanitary Commissioner.

VITAL STATISTICS

OF THE

CITY OF MADRAS

FOR THE

FIRST QUARTER OF 1869.

Public Department

PROCEEDINGS of the MADRAS GOVERNMENT.

Read the following letter from the

Sanitary Commissioners for
Madræs.

Letter dated 6th July 1869 No. 2570

Order No. 24-17 July 1869

The Government have
learned with much satis-
faction from the foregoing
report that the health
of the population of Madras
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but refrain from detail.
3. In remarks pending
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nicipal Commissioners.
The Sanitary Commission

is requested to furnish
Government with a copy
of this report when issued

To
The Sanitary Commission
Shaf. J. S. M. D. Dept
President M. C. for the town of Madras

Board of 1869 Editors.
Public
To
the Sanitary Committee
of the
City

July 17 } 1869 No. 994
Recd

Nos. 132 132

Revising the Report on
the Public Health of
the City of London for
the year 1869.
The first part of