

# ABSTRACT OF SANITARY REPORTS.

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## UNITED STATES.

### SPECIAL REPORTS.

TEXAS—*Smallpox*.—Acting Assistant Surgeon Booth, at Shreveport, La., reports, under date of December 29, that there were 18 cases of smallpox at Houston, Tex.

VERA CRUZ—*Yellow fever*.—United States Sanitary Inspector E. Alexander writes from El Paso, Tex., under date of December 23, 1890, that yellow fever is prevalent in Vera Cruz, and that passengers from that place could reach El Paso in less than four days.

### *Reports of States, and yearly and monthly reports of cities.*

FLORIDA—*Jacksonville*.—Month of November, 1890. Population, 25,000. Total deaths, 42, including phthisis pulmonalis, 6; enteric fever, 1; and diphtheria, 2.

MICHIGAN.—Week ended December 20, 1890. Reports to the State board of health, Lansing, from 60 observers, indicate that diphtheria, measles, and typhoid fever increased, and that membranous croup, whooping cough, inflammation of brain, scarlet fever, dysentery, and pneumonia decreased in area of prevalence.

Diphtheria was reported present during the week at 29 places, scarlet fever at 44 places, enteric fever at 16 places, and measles at 13 places.

NEW YORK.—Month of November, 1890. Reports to the State board of health from 8 districts, including New York City, Brooklyn, and 137 other cities and towns, show a total of 4,710 deaths, including phthisis pulmonalis, 632; enteric fever, 90; scarlet fever, 73; croup and diphtheria, 288; measles, 57; and whooping cough, 47.

The *Monthly Bulletin* says:

The mortality from zymotic diseases has decreased proportionately from 155 deaths in each 1,000 deaths from all causes in October to 146 per 1,000 in November. It is also lower than the average for November, which is 182 per 1,000. All zymotic diseases show lower mortalities except diphtheria, scarlet fever, and measles. As noted in the last *Bulletin*, diphtheria always shows a marked rise in mortality in October,



Table of temperature and rain-fall, week ended December 26, 1890.

[Received from War Department, Signal Office.]

Locality.	Mean temperature in degrees Fahrenheit.			Rain-fall in inches and hundredths.		
	Normal.	Excess	Deficiency.	Normal.	Excess.	Deficiency.
<b>New England States:</b>						
Eastport, Me.....	22		28	.95		.81
Portland, Me.....	20		2	.74		.12
Boston, Mass.....	29	3		.80	.02	
Block Island, R. I.....	32	13		.91		.54
<b>Middle Atlantic States:</b>						
New York, N. Y.....	31	11		.72	.26	
Philadelphia, Pa.....	32	11		.60	.02	
Atlantic City, N. J.....	35	0	0	.98		.21
Baltimore, Md.....	35	3	0	.70	.26	
Lynchburg, Va.....	37	4		.86	.40	
Norfolk, Va.....	43	6		.90	1.81	
<b>South Atlantic States:</b>						
Wilmington, N. C.....	48	8		.83		.52
Charleston, S. C.....	52	10		.82		.10
Augusta, Ga.....	47	22		.86		.43
Savannah, Ga.....	54	6		.80	.33	
Jacksonville, Fla.....	58	4		.75		.09
Key West, Fla.....	71		20	.40		.40
<b>Gulf States:</b>						
Atlanta, Ga.....	44	27		1.21		.10
Pensacola, Fla.....	54	24		1.15		.48
Mobile, Ala.....	52	25		1.06	.37	
Montgomery, Ala.....	49	35		1.15		.21
Vicksburg, Miss.....	49	54		1.22		.57
New Orleans, La.....	54	26		1.10	.64	
Shreveport, La.....	47	67		1.15		.61
Fort Smith, Ark.....	38	52		.56	1.53	
Little Rock, Ark.....	41	46		1.00	.81	
Falsetine, Tex.....	47	76		1.00		.33
Galveston, Tex.....	54	37		1.03	.58	
Corpus Christi, Tex.....	54	48		.70	1.10	
<b>Ohio Valley and Tennessee:</b>						
Memphis, Tenn.....	41	50		.89	.74	
Nashville, Tenn.....	40	26		.84	1.02	
Chattanooga, Tenn.....	43	15		1.20	.21	
Knoxville, Tenn.....	40	13		1.02	.61	
Louisville, Ky.....	36	32		.97	.17	
Indianapolis, Ind.....	31	23		.77		.06
Cincinnati, Ohio.....	34	28		.83	0	0
Columbus, Ohio.....	30	30		.81	.31	
Pittsburgh, Pa.....	31	11		.65	.92	
<b>Lake Region:</b>						
Oswego, N. Y.....	27		45	.82		.53
Rochester, N. Y.....	25	6		.67	.4	
Buffalo, N. Y.....	27	5		.73		.23
Erie, Pa.....	32		11	.78		.56
Cleveland, Ohio.....	29	20		.62		.19
Sandusky, Ohio.....	31	15		.63		.42
Toledo, Ohio.....	27	32		.58		.52
Detroit, Mich.....	26	24		.61		.61
Port Huron, Mich.....	27	6		.54		.52
Alpena, Mich.....	23	25		.52		.52
Marquette, Mich.....	21	15		.47		.16
Grand Haven, Mich.....	27	16		.58		.56
Milwaukee, Wis.....	22	48		.42		.41
Chicago, Ill.....	28	32		.52		.52
Duluth, Minn.....	14	52		.30		.21
<b>Upper Mississippi Valley:</b>						
St. Paul, Minn.....	16	62		.30		.30
La Crosse, Wis.....	21	58		.29		.29
Davenport, Iowa.....	26	41		.37		.37
Des Moines, Iowa.....	23	88		.33		.33
Dubuque, Iowa.....	25	26		.41		.41
Keokuk, Iowa.....	26	58		.48		.48
Springfield, Ill.....	31	22		.67		.66
Cairo, Ill.....	36	33		.81	.41	
St. Louis, Mo.....	30	56		.55	.28	
<b>Missouri Valley:</b>						
Kansas City, Mo.....	27	74		.35	.23	
Springfield, Mo.....	30	72		.35		.64
Concordia, Kan.....	27	67		.14		.14
Omaha, Nebr.....	21	98		.23		.23
Yankton, Dak.....	19	101		.16		.16
Valentine, Nebr.....	21	83		.08		.08
Huron, Dak.....	15	92		.07		.07

Table of temperature and rain-fall, week ended December 19, 1890—Continued.

Locality.	Mean temperature in degrees Fahrenheit.			Rain-fall in inches and hundredths.		
	Normal.	Excess.	Deficiency.	Normal.	Excess.	Deficiency.
<b>Extreme Northwest:</b>						
Moorhead, Minn.....	6	95	.....	.14	.....	.14
St. Vincent, Minn.....	1	134	.....	.14	.....	.11
Bismarck, Dak.....	10	93	.....	.17	.....	.10
Buford, Fort, Dak.....	5	130	.....	.18	.....	.15
<b>Rocky Mountain Slope:</b>						
Assinniboine, Fort, Mont.....	16	96	.....	.14	.....	.05
Helena, Mont.....	18	137	.....	.28	.....	.27
Custer, Fort, Mont.....	15	141	.....	.22	.....	.22
Rapid City, Dak.....	18	100	.....	.07	.....	.06
Salt Lake City, Utah.....	33	.....	1	.32	20	.....
Cheyenne, Wyo.....	24	91	.....	.05	.....	.05
North Platte, Nebr.....	21	92	.....	.17	.....	.17
Dodge City, Kans.....	27	74	.....	.18	.....	.18
Sill, Fort, Ind. T.....	37	90	.....	.43	.....	.03
Santa Fé, N. Mex.....	29	46	.....	.18	.....	.12
<b>Pacific Coast:</b>						
Portland, Oreg.....	39	47	.....	1.89	.....	1.09
Roseburg, Oreg.....	40	45	.....	1.45	.....	1.10
Red Bluff, Cal.....	48	.....	26	1.14	.....	1.12
Sacramento, Cal.....	48	.....	51	.91	.....	.91
San Francisco, Cal.....	52	.....	30	1.07	.....	1.07
Los Angeles, Cal.....	54	75	.....	.73	.....	.73
San Diego, Cal.....	55	58	.....	.47	.....	.47
Yuma, Ariz.....	55	64	.....	.09	.....	.09

## FOREIGN.

(Reports received through the Department of State and other channels.)

AFRICA—*Loanda*.—Month of June, 1890. Population, 14,500. Total deaths, 61, including 1 from smallpox.

Month of July, 1890. Total deaths, 72, including 6 from smallpox. The vice-consul writes that smallpox is prevalent among the natives, owing to the bad sanitary condition of the town and the unsatisfactory measures taken to isolate such cases.

AUSTRALIA—*Melbourne*.—Month of August, 1890. Population, 458,470. Total deaths, 737, including scarlet fever, 4; enteric fever, 5; diphtheria, 18; and whooping cough, 4.

Month of September, 1890. Total deaths, 613, including scarlet fever, 1; enteric fever, 3; diphtheria, 27; and whooping cough, 3.

CUBA—*Havana*.—Week ended December 18, 1890. Total deaths, 128, including yellow fever, 1 (4 new cases); enteric fever, 2; so-called pernicious fever, 4; and diphtheria and croup, 2.

*Santiago de Cuba*.—Two weeks ended November 30, 1890. Total deaths, 42, including yellow fever 5; pernicious fever, 4; and phthisis pulmonalis, 6.

EGYPT.—Week ended November 20, 1890. Total deaths, 809, including phthisis pulmonalis, 63; enteric fever, 17; diphtheria and croup, 4; and whooping cough, 8.

Week ended November 27, 1890. Total deaths, 779, including phthisis pulmonalis, 62; enteric fever, 11; diphtheria and croup, 7; measles, 1; and whooping cough, 13.

FIJI ISLANDS—*Levuka*.—The United States commercial agent, under date of October 27, 1890, reports that whooping cough has made its appearance during the month, and that the cases are being quarantined for the protection of the natives, who, owing to their ignorance and carelessness, suffer severely. The disease seems to leave them in a very low condition; dysentery usually following, with fatal results.

FRANCE—*Nice*.—Month of November, 1890. Population, 78,482. Total deaths, 121, including phthisis pulmonalis, 5; enteric fever, 1; diphtheria, 1; and measles, 1.

GREAT BRITAIN—*England and Wales*.—The deaths registered in 28 great towns of England and Wales during the week ended December 13 corresponded to an annual rate of 21.3 a thousand of the aggregate population, which is estimated at 9,715,559. The lowest rate was recorded in Cardiff, viz, 12.9, and the highest in Preston, viz, 33.2 a thousand.

Diphtheria caused 5 deaths in Leeds, 3 in Liverpool, and 3 in Portsmouth.

*London.*—One thousand seven hundred and eighty-seven deaths were registered during the week, including measles, 92; scarlet fever, 30; diphtheria, 45; whooping cough, 27; enteric fever, 13; and diarrhœa and dysentery, 12. The deaths from all causes corresponded to an annual rate of 21.1 a thousand. Diseases of the respiratory organs caused 487 deaths. In greater London 2,261 deaths were registered, corresponding to an annual rate of 20.5 a thousand of the population. In the "outer ring" the deaths included measles, 29; diphtheria, 9; and whooping cough, 12.

*Ireland.*—The average annual death rate, represented by the deaths registered during the week ended December 13, in the 16 principal town districts of Ireland, was 23.9 a thousand of the population. The lowest rate was recorded in Dundalk, viz, 8.7, and the highest in Galway, viz, 40.3 a thousand. In Dublin and suburbs 173 deaths were registered, including enteric fever 4 and whooping cough 4.

*Scotland.*—The deaths registered in eight principal towns during the week ended December 13 corresponded to an annual rate of 20.1 a thousand of the population, which is estimated at 1,345,563. The lowest mortality was recorded in Leith, viz, 11.3, and the highest in Perth, viz, 28.1 a thousand. The aggregate number of deaths registered from all causes was 519, including measles, 12; scarlet fever, 2; diphtheria, 6; whooping cough, 16; fever, 2; diarrhœa, 8; and croup and laryngitis, 4.

*INDIA—Singapore.*—Month of October, 1890. Total deaths, 567, including fevers 163 and smallpox 7.

*JAPAN—Nagasaki-Ken—Cholera.*—The following has been received from the United States consul, dated November 10, 1890:

On November 8 an official notification from the government of Nagasaki-Ken was circulated to all the consuls of the treaty powers, informing them that the port of Nagasaki has been declared free of the disease.

The epidemic of cholera in Nagasaki-Ken from its first outbreak, June 27, up to November 4, comprised 3,723 cases, of which 835 were in the city of Nagasaki and 2,888 in the surrounding towns and villages. Of the persons attacked 2,507 died. The dead were in most cases cremated. It is proper to say in this connection that while the disease was unusually fatal to the natives, the foreign residents were peculiarly exempt. Great credit is due to the authorities for the exertions made to prevent the spread of the disease to the surrounding ports.

*NEW ZEALAND.*—Month of September, 1890. Reports to the registrar-general from the 4 principal towns, having an aggregate population

of 105,619, show a total of 98 deaths, including scarlet fever, 2; enteric fever, 2; diphtheria, 1; and whooping cough, 2.

NORFOLK ISLAND.—Month of August, 1890. Population, 723. Total deaths, 1.

Month of September, 1890. Total deaths, 1.

SWITZERLAND—*Lucerne*.—Month of November, 1890. Population, 20,550. Total deaths, 21, including 1 from diphtheria.

ZURICH.—Month of November, 1890. Population, 91,323. Total deaths, 171; including phthisis pulmonalis, 13; diphtheria and croup, 1; and whooping cough, 2.

TURKEY IN ASIA—*Cholera*.—The United States consul at Beirut, Syria, under date of November 25, 1890, transmits the following circular, issued by the Beirut sanitary office:

“In view of the appearance of the cholera in Adana, the quarantine has been extended to the north of Selefké as far as and including Anamour, since the 24th instant.”

Adana is the capital of the vilayet of the same name, and is a short distance inland from Mersine, the principal seaport of that province. Anamour, on the Mediterranean, is about three quarters of a degree southwest of Selefké, not north, as the circular indicates.

The following statistical reports of cholera in Aleppo, Syria, have been received from the same consul, dated November 29:

	<i>Cases.</i>	<i>Deaths.</i>
<i>Aleppo</i> .—Week ended November 6, 1890.....	34	19
20, 1890.....	14	12

No report has as yet been received concerning the other infected places in the vilayet of Aleppo, but the epidemic in the city of Aleppo is reported as entirely extinct.

MORTALITY TABLE, FOREIGN CITIES.

Cities.	Week ended.	Estimated popula- tion.	Total deaths from all causes.	Deaths from—								
				Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
London.....	Dec. 6.....	5,758,500	2,226					16	24	52	133	
Liverpool.....	Dec. 6.....	613,463	291				2	3	17	2		
Brussels.....	Dec. 6.....	469,459	203			6						
Hamburg.....	Nov. 29.....	455,000	237					4	3	3		
Buda Pesth.....	Dec. 10.....	422,377	21				3		7	6		
Rome.....	Nov. 1.....	417,392	191					5		2	1	
Lyons.....	Dec. 6.....	401,930	174					5		13		
Odessa.....	Nov. 22.....	276,300	117					5	13	2	2	
Odessa.....	Nov. 29.....	276,300	123					4	12	4		
Dresden.....	Nov. 29.....	269,000	97					2	1	9		
Palermo.....	Dec. 6.....	250,000	121							2		
Antwerp.....	Dec. 6.....	232,418	127					1				
Bristol.....	Dec. 6.....	232,248	94					1	1			
Belfast.....	Dec. 6.....	232,222	119					2	1	3		
Rotterdam.....	Dec. 13.....	203,472	114									
Genoa.....	Dec. 6.....	180,634	93				3			1	2	
Venice.....	Nov. 29.....	156,800	115		19			1	1			
Venice.....	Dec. 6.....	156,800	103			17			3			
Hanover.....	Nov. 29.....	155,000	61					1		4		
Ghent.....	Dec. 6.....	152,395	74			1		2	1	1		1
Cardiff.....	Dec. 6.....	119,012	50					1				
Havre.....	Dec. 6.....	112,074	69					2		1		
Catania.....	Dec. 8.....	103,000	63									
Crefeld.....	Dec. 6.....	108,000	94									
Crefeld.....	Dec. 13.....	108,000	65							1		
Jeghorn.....	Dec. 7.....	103,723	49						1			
Gothenburg.....	Nov. 30.....	100,622	36						4			
Rheims.....	Dec. 6.....	97,903	49					2		1		
Zurich.....	Dec. 6.....	91,323	20				2		4	3		4
Mannheim.....	Dec. 6.....	80,000	16									
Messina.....	Dec. 6.....	79,971	27							3		
Jerez de la Frontera.....	Nov. 8.....	61,708	38					3				
Jerez de la Frontera.....	Nov. 29.....	61,708	43			2						
Trapani.....	Dec. 6.....	43,095	8									
Cienfuegos.....	Dec. 21.....	41,191	17		2							
Marsala.....	Dec. 6.....	40,131	21									
Amherstburg.....	Dec. 20.....	30,000	2									
Schiedam.....	Dec. 13.....	25,600	9									
Curacao.....	Dec. 13.....	25,000	4									
Vera Cruz.....	Dec. 18.....	23,800	29		4							
Gibraltar.....	Dec. 7.....	23,681	16							1		
Girgenti.....	Dec. 6.....	23,547	8					1	1	1		
Licata.....	Dec. 7.....	19,000	10									
Kingston, Can.....	Dec. 19.....	18,172	5									
Matamoras.....	Dec. 13.....	16,000	8			2						
Dunfermline.....	Nov. 30.....	15,839	18							2		1
Flushing.....	Dec. 13.....	13,200	3									
Port Stanley and St. Thomas.....	Dec. 13.....	11,000	3						2			
Queenstown.....	Dec. 13.....	10,340	5									
Guelph.....	Dec. 21.....	10,173	1									
Tampico.....	Dec. 16.....	9,000	10									
Chatham.....	Dec. 20.....	8,730	2									
La Guayra.....	Dec. 6.....	7,428	5									
La Guayra.....	Dec. 13.....	7,428	6									
Port Sarnia.....	Dec. 20.....	6,200	1									
St. Helena.....	Nov. 15.....	4,500	2									
St. Helena.....	Nov. 22.....	4,500	1									
Coaticook.....	Dec. 20.....	3,800	1									
Green Turtle Bay.....	Dec. 17.....	3,227	3									
Livingston.....	Dec. 16.....	3,000	1									
Prescott.....	Dec. 18.....	2,988	3									

OFFICIAL :

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