

ABSTRACT OF SANITARY REPORTS.

VOL. VI.

WASHINGTON, D. C., AUGUST 7, 1891.

No. 32.

[Published at the Marine-Hospital Bureau in accordance with act of Congress of April 29, 1878.]

UNITED STATES.

SPECIAL REPORTS.

Yellow fever at Vera Cruz as shown by consular reports—Clean bills of health given by Vera Cruz authorities.

Surgeon R. D. Murray, in command of Gulf quarantine station, reports the arrival, July 30, of the American schooner *J. M. Fitzpatrick*, eighteen days from Vera Cruz, and calls attention to the fact that the Vera Cruz authorities furnished this vessel a clean bill of health, certifying that "within the city and its environs there does not prevail any epidemic or contagious disease," while the bill of health furnished by United States consul at Vera Cruz to the same vessel, on the same date, announced the prevalence of yellow fever in the city. By reference to the mortality tables of foreign cities in the ABSTRACTS of July 3, 10, 17, 24, 31, and of this date, it will be observed that there has been an average of nine deaths per week from yellow fever at Vera Cruz during the period indicated.

VESSELS REMAINING, ARRIVING AT, AND DEPARTING FROM UNITED STATES QUARANTINE STATIONS.

Cape Charles quarantine, week ended July 24, 1891.

Name of vessel.	Date of arrival.	Where from.	Destina- tion.	Treatment of vessel and cargo.	Date of dep'ture.
Span. S. S. Guido.....	July 20	Cienfuegos..	Norfolk.....	Boarded, inspected, and fumigated.	July 24

Three vessels boarded, inspected, and passed.

Eighteen vessels spoken and passed.

Week ended July 31, 1891.

Span. S. S. Niceto.....	July 26	Cuba.....	Hampton Roads.	Boarded, inspected, and fumigated.	July 29
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Seven vessels boarded, inspected, and passed.

Nineteen vessels spoken and passed.

VESSELS REMAINING, ARRIVING AT, AND DEPARTING FROM UNITED STATES QUARANTINE STATIONS—Continued.

Delaware Breakwater quarantine, week ended July 25, 1891.

Seven vessels inspected and passed.

Week ended August 1, 1891.

Name of vessel.	Date of arrival.	Where from.	Destina-tion.	Treatment of vessel and cargo.	Date of dep'ture.
Br. Bk. Ethardune.....	July 31...	Antigua	Waiting or-ders.	Fumigated and dis-infected.

One death from yellow fever, May 17, 1891.

Five vessels inspected and passed.

Gulf quarantine, week ended July 30, 1891.

Am. Schr. Magnolia (a).....	July 22	Matanzas....	Handsboro..	Held for disinfection.	July 27
Br. S. S. Nigretia (b).....	July 23	Vera Cruz via Pensa-cola.	Pensacola....do.....	
Am. Bk. Mary G. Reed (c).....	July 23	Havana.....	Pascagoula.....do.....	
Br. Ship. Ryerson (c).....	July 25	Rio Janeiro..	Ship Island.....do.....	
Am. Schr. J. M. Fitzpatrick.....	July 27	Vera Cruz...	Pearlingtondo.....	

a Previously reported. Given free pratique.

b Previously reported. Four cases yellow fever developed since arrival at quarantine.

c Previously reported.

Key West quarantine station (Dry Tortugas), week ended July 11, 1891.

Am. Schr. Scotia	July 10	Cardenas....	Apalachicola	Inspected vessel and crew.	July 10
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Captain refused to remain in quarantine.

Port Townsend quarantine station, week ended July 4, 1891.

Two vessels inspected and passed.

Week ended July 11, 1891.

Six vessels inspected and passed.

San Diego quarantine station, week ended July 22, 1891.

Four vessels inspected and passed.

Week ended July 29, 1891.

Three vessels inspected and passed.

South Atlantic quarantine, week ended July 25, 1891.

Norwegian Bk. Albion (a) (b)..	July 16	Santos, Brazil.	Savannah...	Held for disinfection.	July 22
Am. Pilot Schr. Sprite (b).....	July 16	Savannah...do.....	Fumigated with sulphur.	

a No new cases reported.

b Previously reported.

Week ended August 1, 1891.

Norwegian bk, "Albion" undergoing disinfection.

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

CALIFORNIA—*Oakland*.—Month of March, 1891. Population, 48,682. Total deaths, 80, including phthisis pulmonalis, 13; diphtheria, 2; and whooping cough, 1.

Month of April, 1891. Total deaths, 72, including phthisis pulmonalis, 6; enteric fever, 1; diphtheria, 1; and scarlet fever, 1.

Month of May, 1890. Total deaths, 75, including phthisis pulmonalis, 5; enteric fever, 2; diphtheria, 5; and whooping cough, 2.

Month of June, 1890. Total deaths, 52, including phthisis pulmonalis, 5; enteric fever, 1; diphtheria, 4; and whooping cough, 2.

FLORIDA—*Jacksonville*.—Month of June, 1891. Population, 17,201. Total deaths, 57, including phthisis pulmonalis 5 and enteric fever 2.

MICHIGAN.—Week ended July 25, 1891. Reports to the State board of health, Lansing, from 50 observers indicate that membranous croup, pneumonia, inflammation of brain, typhoid fever, cerebro-spinal meningitis, cholera morbus, and cholera infantum increased, and that puerperal fever, pleuritis, erysipelas, typho-malarial fever, and scarlet fever decreased in area of prevalence.

Diphtheria was reported present during the week at 22 places, scarlet fever at 27 places, enteric fever at 22 places, and measles at 15 places.

NEW YORK.—Month of June, 1891. Reports from 148 cities, towns, and villages, including New York and Brooklyn, show a total of 9,321 deaths, including phthisis pulmonalis, 978; enteric fever, 80; scarlet fever, 207; measles, 133; and whooping cough, 65.

OHIO—*Cleveland*.—Month of June, 1891. Population, 261,353. Total deaths, 326, including phthisis pulmonalis, 27; enteric fever, 4; scarlet fever, 5; diphtheria, 11; croup, 1; and whooping cough, 1.

Dayton.—Month of June, 1891. Population, 61,220. Total deaths, 112, including phthisis pulmonalis, 3; enteric fever, 1; scarlet fever, 1; croup, 1; and diphtheria, 4.

Publication received.

Epidemic intestinal diseases in Albany and vicinity, by Joseph Craig, A. M., M. D.

Table of temperature and rainfall, week ended July 31, 1891.

[Received from Department of Agriculture, Weather Bureau.]

Locality.	Mean temperature in degrees Fahrenheit.			Rainfall in inches and hundredths.		
	Normal.	Excess	Deficiency.	Normal.	Excess.	Deficiency.
New England States:						
Eastport, Me.....	63		28	.91		.51
Portland, Me.....	67		28	.84		.12
Boston, Mass.....	70		28	.90	.52	
Block Island, R. I.	71		28	.77		.10
Middle Atlantic States:						
Albany, N. Y.....	72		42	.88	.87	
New York, N. Y.....	73		28	1.05	.69	
Philadelphia, Pa.....	75		28	1.12	.84	
Atlantic City, N. J.....	72		14	.79	1.47	
Baltimore, Md.....	77		42	1.12	.24	
Washington, D. C.....	76		30	1.05	.07	
Lynchburg, Va.....	76		28	.84		.32
Norfolk, Va.....	78		14	1.38	.46	
South Atlantic States:						
Charlotte, N. C.....	78		19	1.35		.60
Wilmington, N. C.....	79		14	1.68	.60	
Charleston, S. C.....	81		14	1.75	.65	
Augusta, Ga.....	81		28	1.13	3.03	
Savannah, Ga.....	82			1.36	2.44	
Jacksonville, Fla.....	82	14		1.47		1.25
Key West, Fla.....	82			1.01		1.01
Gulf States:						
Atlanta, Ga.....	79		28	1.05	1.44	
Pensacola, Fla.....	81			1.73		1.41
Mobile, Ala.....	81			1.47		.16
Montgomery, Ala.....	81			.91	.56	
Vicksburg, Miss.....	82		14	.91		.64
New Orleans, La.....	82			1.40		.48
Shreveport, La.....	83	3		.58		.32
Fort Smith, Ark.....	81		42	.84	7.14	
Little Rock, Ark.....	81		44	.82	5.98	
Palestine, Tex.....	82	14		.56	.34	
Galveston, Tex.....	84			.78		.48
San Antonio, Tex.....	83	28		.68		.66
Corpus Christi, Tex.....	82	14		.42		.42
Brownsville, Tex.....	84			.54		.54
Rio Grande City, Tex.....	87			.44		.10
Lake Region:						
Oswego, N. Y.....	65		42	.63	.59	
Rochester, N. Y.....	70		42	.70		.26
Buffalo, N. Y.....	69		42	.72	.30	
Erie, Pa.....	70		56	.63	.49	
Cleveland, Ohio.....	70		42	.69		.59
Sandusky, Ohio.....	73		42	.70		.44
Toledo, Ohio.....	72		42	.70		.04
Detroit, Mich.....	71		42	.77		.77
Port Huron, Mich.....	68		42	.56		.50
Alpena, Mich.....	65		42	.76		.39
Marquette, Mich.....	64		42	.70		.50
Grand Haven, Mich.....	68		42	.63		.62
Milwaukee, Wis.....	70		42	.70		.18
Chicago, Ill.....	73		56	.78		.78
Duluth, Minn.....	66		28	.85		.50
Ohio Valley and Tennessee:						
Memphis, Tenn.....	80		42	.79	3.61	
Nashville, Tenn.....	79		28	.97		.80
Chattanooga, Tenn.....	78		14	.84	2.58	
Knoxville, Tenn.....	76		14	.98	.48	
Louisville, Ky.....	77		28	.84		.44
Indianapolis, Ind.....	75		28	1.01		.83
Cincinnati, Ohio.....	76		42	.79	.82	
Columbus, Ohio.....	74		40	.77	.74	
Pittsburgh, Pa.....	74		42	.96	.08	
Upper Mississippi Valley:						
St. Paul, Minn.....	71		42	.77		.55
La Crosse, Wis.....	70		42	.93		.26
Dubuque, Iowa.....	73		42	.94	.02	
Davenport, Iowa.....	74		42	.84		.84
Des Moines, Iowa.....	74		42	.76		.68
Keokuk, Iowa.....	76		56	.84	.80	
Springfield, Ill.....	76		56	.85	.47	
Cairo, Ill.....	78		28	.70		.34
St. Louis, Mo.....	79		28	.67		.64

Table of temperature and rainfall, week ended July 31, 1891—Continued.

Locality.	Mean temperature in degrees Fahrenheit.			Rainfall in inches and hundredths.		
	Normal.	Excess.	Deficiency.	Normal.	Excess.	Deficiency.
Missouri Valley:						
Springfield, Mo.....	77		28	.98	.48	
Kansas City, Mo.....	78		28	.90		.86
Concordia, Kans.....	77		28	.84	.06	
Omaha, Nebr.....	76		28	.93		.31
Valentine, Nebr.....	76		28	.65	.67	
Huron, S. D.....	74		42	.84		.82
Pierre, S. D.....	76		36	.49		.22
Extreme Northwest:						
Moorhead, Minn.....	69		42	.77		.65
Bismarck, N. D.....	73		56	.56	.24	
Buford, Fort, N. D.....	72		56	.42	.44	
Rocky Mountain Slope:						
Assiniboine, Fort, Mont.....	70		14	.49	.19	
Helena, Mont.....	68	14		.21	.02	
Custer, Fort, Mont.....	73			.21		
Salt Lake City, Utah.....	77		14	.07	.05	
Cheyenne, Wyo.....	68		28	.42	.78	
North Platte, Nebr.....	73		14	.63	.01	
Denver, Colo.....	72		28	.35	.04	
Montrose, Colo.....	71	28		.28	1.00	
Pueblo, Colo.....	74		14	.49	.80	
Dodge City, Kans.....	78		28	.77	1.30	
Sill, Fort, Ind. T.....	82		28	.62	3.23	
Santa Fé, N. Mex.....	68		14	.70		.50
Pacific Coast:						
Olympia, Wash.....	63			.14		.14
Portland, Oreg.....	69			.14		.14
Roseburg, Oreg.....	68			.07		.07
Red Bluff, Cal.....	82	28				
Sacramento, Cal.....	74	14				
San Francisco, Cal.....	60		14	.02		.02
Los Angeles, Cal.....	73	28		.03		.03
San Diego, Cal.....	69	28		.01		.01
Yuma, Ariz.....	93		14	.07		.03

FOREIGN.

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

BAHAMAS—*Green Turtle Cay—Abaco*.—Two weeks ended July 16, 1891. Population, 3,610. Total deaths, 1. No deaths from contagious diseases.

BRAZIL—*Yellow fever*.—In Rio Janeiro the number of deaths from yellow fever during the month of May was 559.

CHINA—*Hong-Kong*.—Month of May, 1891. Total deaths, 383, including smallpox, 1; enteric fever, 1; and beri-beri, 9.

CUBA—*Havana*.—Week ended July 23, 1891. The United States sanitary inspector, under date of July 25, reports 22 deaths from yellow fever and 11 deaths from smallpox during the week.

Santiago de Cuba.—Month of June, 1891. Total deaths, 163, including yellow fever, 26; pernicious fever, 7; and phthisis pulmonalis, 11.

INDIA—*Calcutta—Cholera*.—[From the publication of the Imperial Board of Health, Berlin, July 21, 1891.]—From Calcutta for the week ending May 30, 45 deaths from cholera were reported; for the week ending June 6, 4 deaths. The weekly death rate of Calcutta during the first quarter of the year varied from 26.5 to 57.2 to 1,000 inhabitants; for Madras, 32.7 to 41.3; for Bombay, 24.9 to 32.8. The increased death rate at Calcutta is to be ascribed partly to a fatal fever and partly to cholera. The latter disease received considerable accessions from the numbers of pilgrims who resorted to the city for the celebration of the twenty-seven-year religious festival. It prevailed chiefly among the pilgrims. At Calcutta the total number of deaths from cholera during the months of January, February, and March was 810, while the average number for the same period during the past ten years was 455.

ITALY—*Milan*.—Month of June, 1891. Population, 409,591. Total deaths, 833, including smallpox, 3; enteric fever, 19; and diphtheria, 36.

GREAT BRITAIN—*England and Wales*.—The deaths registered in 28 great towns of England and Wales during the week ended July 11 corresponded to an annual rate of 16.8 a thousand of the aggregate population, which is estimated at 9,405,108. The lowest rate was recorded in Norwich, viz, 12.4, and the highest in Preston, viz, 21.7 a thousand.

During the week ended July 18, the deaths corresponded to an annual rate of 17.5 a thousand of the aggregate population. The lowest rate was recorded in Derby, viz, 8.8, and the highest in Liverpool, viz, 24.5 a thousand. Diphtheria caused 2 deaths in Liverpool, 3 in Manchester, and 3 in Salford.

London.—One thousand three hundred and fifty-two deaths were registered during the week ended July 11, including smallpox, 1; measles, 31; scarlet fever, 10; diphtheria, 21; whooping cough, 51; enteric fever, 5; and diarrhœa and dysentery, 44. The deaths from all causes corresponded to an annual rate of 16.7 a thousand. Diseases of the respiratory organs caused 187 deaths. In greater London 1,664 deaths were registered, corresponding to an annual rate of 15.3 a thousand of the population. In the "outer ring" the deaths included measles, 5; whooping cough, 10; and diphtheria, 3.

One thousand three hundred and seventy-three deaths were registered during the week ended July 18, including measles, 30; scarlet fever, 7; diphtheria, 25; whooping cough, 48; enteric fever, 7; and diarrhœa and dysentery, 94. The deaths from all causes corresponded to an annual rate of 17.0 a thousand. Diseases of the respiratory organs caused 189 deaths. In greater London 1,661 deaths were registered, corresponding to an annual rate of 15.3 a thousand of the population. In the "outer ring" the deaths included measles, 4; whooping cough, 14; and diphtheria, 2.

Newcastle-upon-Tyne.—Two weeks ended July 18, 1891. Population, 186,502. Total deaths, 122, including enteric fever 1 and diphtheria 2.

Sunderland.—Two weeks ended July 11, 1891. Population, 131,302. Total deaths, 101, including 1 from scarlet fever.

Ireland.—The average annual death rate, represented by the deaths registered during the week ended July 18, in the 16 principal town districts of Ireland, was 19.1 a thousand of the population. The lowest rate was recorded in Sligo, viz, 0.0, and the highest in Galway, viz, 30.4 a thousand. In Dublin and suburbs 112 deaths were registered, including whooping cough 3.

Scotland.—The deaths registered in eight principal towns during the week ended July 18 corresponded to an annual rate of 18.9 a thousand of the population, which is estimated at 1,345,563. The lowest mortality was recorded in Edinburgh, viz, 17.1, and the highest in Greenock, viz, 32.0 a thousand. The aggregate number of deaths registered from all causes was 487, including measles, 11; scarlet fever, 3; diphtheria, 3; whooping cough, 18; fever, 5; and diarrhœa, 22.

GREECE—*Athens*—*Quarantine against Syrian ports.*—The following letter has been received from the United States consul, dated July 11, 1891 :

I have the honor to inform you that I have just received from the minister of foreign affairs notice of quarantine against all steamers

and sailing vessels proceeding from the Gulf of Alexandretta in Syria. Beginning with the 8th instant, all such vessels are required to go through an effective quarantine of eleven days at the Island of Delos.

MEXICO—Matamoras—Denial of reported cases of yellow fever.—Under date of July 15, 1891, the United States consul reports the city in its usual health, and states that there is *no* yellow fever in the city, although such cases were reported by one of the city newspapers.

Paso del Norte.—Month ended July 15, 1891. Population, 10,000. Total deaths 23, including enteric fever 1 and diphtheria 1.

TURKEY IN ASIA—Aleppo—Cholera.—The United States consul at Beirut, under date of July 7, 1891, writes as follows:

In continuation of my despatch, No. 421, of the 30th ultimo, upon the subject of cholera, I now hasten to inform your Department that, pursuant to telegraphic orders received from the head sanitary office in Constantinople, on the 4th instant, the entire vilayet of Aleppo is to be considered and treated as "contaminated."

Official information limits the reappearance of cholera to the Carinakamite or district of "Harem" in the vilayet of Aleppo, between the city of Aleppo and the coast, where notably the villages of Genlee, Hamam, and Aly-Beyh appear to be infected, but private intelligence of a most reliable character positively asserts that a few suspected cases of the epidemic had undoubtedly appeared in the city of Aleppo itself.

The rumor that the port of Alexandretta, in the vilayet of Aleppo, and the city (port) of Mersine, in the vilayet of "Adana," had also again been visited by cholera, has fortunately not been confirmed.

The infected district of "Harem" is said to have a good cordon around it, and active measures have been and are being adopted to prevent the spread and approach to Beirut of the dreaded plague.

Information has just been received from the United States Sanitary Commissioner at Constantinople, under date of July 17, that cholera has made its appearance in the cities of Aleppo and Antioch, and also in Mecca and Medina, and that it is spreading.

MORTALITY TABLE, FOREIGN CITIES.

Cities.	Week ended.	Estimated population.	Total deaths from all causes.	Deaths from—								
				Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
London.....	July 11.....	5,656,909	1,664			1		5	11	24	36	
Paris.....	July 18.....	2,260,945	895			2		7	3	24	27	4
Vienna.....	July 27.....	1,378,530	670			9		1	3	22	23	12
Hamburg.....	July 11.....	570,534	222					1	1	2		
Glasgow.....	July 11.....	567,143	235					1				
Liverpool.....	July 11.....	517,116	202				1	1	2	1		
Brussels.....	July 11.....	482,158	166					1				
Warsaw.....	July 11.....	465,272	215					2	3	5		
Calcutta.....	May 23.....	433,219	157	25								
Calcutta.....	May 30.....	433,219	211	18								
Calcutta.....	June 6.....	433,219	173	18								
Calcutta.....	June 13.....	433,219	188	10								
Lyons.....	July 4.....	430,000	171					2		3		
Lyons.....	July 11.....	430,000	159					1		5		
Rome.....	June 20.....	417,392	163							4	15	3
Munich.....	July 11.....	349,000	220					2	1			
Copenhagen.....	July 11.....	320,000	119					1	1	4		
Cologne.....	July 18.....	284,117	128									3
Dresden.....	July 11.....	276,085	77					1		2		
Barcelona.....	July 17.....	272,000	154			3		1		1		
Edinburgh.....	July 11.....	261,970	84					1				
Palermo.....	July 11.....	250,000	103					1				
Rotterdam.....	July 18.....	209,134	84					1				
Genoa.....	July 18.....	180,901	61									
Frankfort-on-the-Main.....	July 11.....	179,850	55							5	1	
Hanover.....	July 11.....	179,000	60				1					
Trieste.....	July 11.....	158,054	80						1	3		
Ghent.....	July 11.....	152,395	80					1			20	
Nuremberg.....	July 4.....	142,523	80									
Stuttgart.....	July 18.....	139,659	54							5		
Funchal.....	July 11.....	133,250	26									
Bremen.....	July 11.....	125,000	38							3		
Stettin.....	July 18.....	116,500	85					29		1		
Havre.....	July 11.....	112,074	48					2				
Havre.....	July 18.....	112,074	48					6		1		
Crefeld.....	July 18.....	108,000	74									
Gothenburg.....	July 11.....	106,246								1		
Aix-la-Chapelle.....	July 13.....	104,877	45						1			
Zurich.....	July 11.....	91,323	14			1	1			6	6	
Mannheim.....	July 18.....	80,000	37									
Mayence.....	July 11.....	73,271	29									
Mayence.....	July 18.....	73,271	34							1		
Edinburgh.....	July 11.....	69,933	24									
Cadiz.....	July 4.....	57,157	45			2				2		
Cienfuegos.....	July 19.....	41,647	12					1				
Cienfuegos.....	July 26.....	41,647	19			1						
Marsala.....	July 11.....	40,131	19									
Gibraltar.....	July 12.....	25,755	8					1				
Schiedam.....	July 15.....	25,437	11									
Cartagena.....	July 4.....	25,000	14									
Cartagena.....	July 11.....	25,000	13									
Vera Cruz.....	July 24.....	25,000	14			8		1				
Girgenti.....	July 11.....	23,547	12					1				
Licata.....	July 11.....	20,000	31						16			
Victoria.....	July 18.....	20,000	8									
Kingston, Can.....	July 24.....	18,172	5									
Sagua la Grande.....	July 18.....	15,605	9									
Sagua la Grande.....	July 25.....	15,605	9									
Flushing.....	July 18.....	13,200	4									
Matamoras.....	July 25.....	12,000	6									
Guelph.....	July 26.....	10,173	6							4		
Sarnia.....	July 25.....	6,200	1									

OFFICIAL :

WALTER WYMAN,
Supervising Surgeon-General Marine-Hospital Service.