

Public Health Reports

Treasury Department, United States Marine-Hospital Service. Published in accordance with act of Congress approved February 15, 1893.

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UNITED STATES.

Amendments to quarantine regulations—Inspection of certain vessels and baggage on and after April 1 and until November 15.

[Circular No. 190.]

TREASURY DEPARTMENT,
Washington, D. C., October 22, 1898.

*To officers of the Treasury Department, State and local
quarantine officers, consular officers, and others concerned:*

The following amendments to the quarantine regulations, to be observed at ports and on the frontiers of the United States, are hereby promulgated:

Article II, paragraph 2, exception 1, is amended to read as follows: Vessels arriving during certain seasons of the year, to wit, November 15 to April 1, may be admitted to entry.

Article II, paragraph 2, exception 2, is amended by striking out the words "November 1" and inserting the words "November 15," in lieu thereof.

O. L. SPAULDING,
Acting Secretary.

Yellow fever in the South.

Since the last issue of the PUBLIC HEALTH REPORTS, the disease has declined, and no new places have been reported infected. Train-inspection service has been abolished except between Montgomery and Atlanta and at Flomaton, at which places it is still maintained on account of the civilian and military travel from New Orleans to Jacksonville via those points. The quarantine against New Orleans has been raised by all states except Florida and Texas.

Yellow fever in the United States as officially reported from July 1 to October 20, 1898.

Places.	Date.	Cases.	Deaths.	Remarks.
Louisiana :				
Alexandria.....	To Oct. 15.....	200	2	Estimated.
Amite City.....	.....do.....	1	1	
Baton Rouge.....	.....do.....	176	4	
Baton Rouge, East.....	Oct. 17.....			Yellow fever reported.
Baton Rouge, West.....	.....do.....			Do.
Bowie.....	Oct. 6.....	1		
Cinclare.....	To Oct. 15.....	11	1	
Deligny.....	Oct. 1.....	1		
Feliciana, East.....	Oct. 17.....			Do.
Feliciana, West.....	.....do.....			Do.
Franklin.....	To Oct. 6.....	375	7	
	Oct. 7-Oct. 13.....	166	1	
	Oct. 14-Oct. 20.....	66	1	
	Oct. 21.....	6	0	
	Oct. 22.....	3	0	
	Oct. 23.....	5	0	
	Oct. 24.....	5	0	
Harveys Canal.....	To Oct. 6.....	14	3	
Houma.....	To Oct. 15.....	40	2	
Iberville.....	Oct. 17.....			Yellow fever reported.
Jackson.....	To Oct. 15.....	15	0	
Jefferson Parish.....	To Sept. 20.....	5	0	
Lake Charles.....	To Oct. 15.....	1	0	
Lobdell.....	Oct. 12.....			Do.
Lutcher.....	To Oct. 15.....	14	2	
New Orleans.....	.....do.....	74	19	
Plaquemine.....	.....do.....	6	1	
St. Charles Parish.....	Oct. 4.....			Yellow fever reported.
St. James Parish.....	Oct. 1.....	1		
Wilson.....	To Oct. 15.....	303	7	
Mississippi :				
Bay St. Louis.....				The 9 cases previously reported from Bay St. Louis should have been from Waveland.
Canton.....	To Oct. 15.....	4		
	Oct. 17.....	1		
	Oct. 19.....	2		
	Oct. 26.....	2		
Clinton.....	To Oct. 15.....	40	0	
Crystal Springs.....	Oct. 11.....	5		
	Oct. 19.....	1		
	Oct. 21.....	1		
Edwards (vicinity).....	To Oct. 6.....	6		
	Oct. 7-Oct. 16.....	6	1	
Fayette.....	Oct. 6-Oct. 13.....	5		
Harriston.....	To Oct. 6.....	42	4	
	Oct. 7-Oct. 13.....	66	1	
	Oct. 14-Oct. 20.....	16	1	
	Oct. 21.....		1	
	Oct. 22.....	3		
	Oct. 23.....	1		
	Oct. 26.....	1		
Hattiesburg.....	Oct. 8-Oct. 13.....	18		
	Oct. 14-Oct. 20.....	15	3	
	Oct. 21.....	2		
Hermanville.....	To Oct. 13.....	3		
Jackson.....	To Oct. 6.....	41	4	
	Oct. 7-Oct. 13.....	61	1	
	Oct. 14-Oct. 20.....	52	1	
	Oct. 21.....	7	1	
	Oct. 22.....	8		
	Oct. 23.....	5		
	Oct. 24.....	5	2	
	Oct. 26.....	8		
	Oct. 27.....	2		
Madison.....	Oct. 6-Oct. 13.....	45		
	Oct. 14-Oct. 20.....	8		
	Oct. 21.....	8		
	Oct. 22.....	9		
	Oct. 23.....	2		
	Oct. 24.....	8		
	Oct. 26.....	1		
	Oct. 27.....	3		
Meridian.....	Oct. 15.....	1		
	Oct. 17.....	2		
Natchez.....	Oct. 7-Oct. 13.....	8		
	Oct. 14-Oct. 19.....	17	1	
	Oct. 20-Oct. 22.....	5		
	Oct. 23.....		1	
	Oct. 24.....	2		

Yellow fever in the United States, etc.—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
<i>Mississippi—Continued.</i>				
Orwood.....	To Oct. 6.....	79	4	The 470 cases and 36 deaths previously reported to October 10 referred to the entire State.
	Oct. 7—Oct. 13.....	6	1	
	Oct. 14—Oct. 18.....	13	.....
	Oct. 26.....	1	.....
	To Oct. 10.....	56	9	
Oxford.....	Oct. 11—Oct. 13.....	13	2	
	Oct. 14—Oct. 19.....	8	1	
	Oct. 22.....	3	.....
	Oct. 23.....	1	.....
	Oct. 24.....	1	.....
	Oct. 26.....	2	.....
Poplarville.....	Oct. 9—Oct. 13.....	9	.....
	Oct. 16—Oct. 18.....	15	1	
Port Gibson.....	Oct. 6.....	1	1	
Queen Hill.....	Oct. 15.....	1	1	
Ridgeland.....	Oct. 8—Oct. 13.....	5	.....
	Oct. 15—Oct. 17.....	2	.....
Starkville.....	Oct. 6—Oct. 13.....	6	.....
	Oct. 17.....	1	.....
	Oct. 18.....	1	.....
	Sept. 23—Oct. 18.....	9	.....
Taylors.....	To Oct. 6.....	100	11	
	Oct. 7—Oct. 13.....	4	2	
	Oct. 15.....	1	.....
	Oct. 21.....	1	1	
Tongaloo.....	Oct. 16—Oct. 17.....	2	.....
Waterford.....	To Oct. 6.....	2	.....
Water Valley.....	To Oct. 6.....	10	.....
	Oct. 20.....	1	.....
	Oct. 21.....	1	.....
Waveland.....	Oct. 10—Oct. 13.....	16	1	
	Oct. 14—Oct. 18.....	4	.....
Woodville.....	To Oct. 6.....	1	.....
Yazoo City.....	Oct. 16—Oct. 20.....	20	2	
	Oct. 23.....	2	.....
	Oct. 24.....	2	.....

[Reports to the Supervising Surgeon-General, United States Marine-Hospital Service.]

Case of yellow fever in New York.

[Telegram.]

ST. GEORGE, S. I., *October 27, 1898.*

Yellow fever in New York—case left Habana October 20, was taken sick at sea October 22. *Plasmodia malriæ* not found; typhoid bacillus not found—urine contains albumin. * * *

WHITE, *Surgeon.*

Yellow fever at Monterey, Mexico.

In response to Bureau telegram of the 21st, inquiring as to the truth of the report of yellow fever at Monterey, the following telegram was received:

LAREDO, TEX., *October 25, 1898.*

Dr. Turpin, sent by State of Texas to Monterey, investigated yellow fever—reports 40 cases. Shall I allow passenger train crews and coaches which pass Monterey and carry Monterey passengers to other points to cross frontier?

H. J. HAMILTON,
Acting Assistant Surgeon, U. S. M. H. S.

He was instructed as follows :

WASHINGTON, D. C., *October 25, 1898.*

Train crews and coaches carrying Monterey passengers should be detained at frontier until they have been away from said locality five days, and baggage disinfected. See Treasury Regulations, p. 32. Enforce them.

BAILHACHE,
For Surgeon-General.

Precautions against the importation of smallpox and yellow fever from Mexico.

EAGLE PASS, TEX., *October 20, 1898.*

SIR : I beg to report as follows :

Since my last report I have refused admission to a number of passengers (both on trains, and upon wagon and foot bridge), coming from presumably infected districts and cities in Mexico. Mexican press reports show no amelioration of yellow fever in the Republic.

Smallpox still exists in several points on the Mexican border. A vigilant inspection is being carried on. I have vaccinated all Government employees not protected by recent successful vaccination or previous attack of smallpox.

Most respectfully,

J. B. BURDITT, M. D.,
Acting Assistant Surgeon, U. S. M. H. S.

Smallpox in Selma, Ala., and vicinity.

MOBILE, ALA., *October 20, 1898.*

SIR : I have the honor to report that a case of smallpox in a colored man was discovered in Selma, Ala., on the 13th instant ; also that there are 15 cases on plantations in Dallas County, Alabama, on the Alabama River about 10 miles south of Selma.

I am, very respectfully, your obedient servant,

R. D. MURRAY,
Surgeon, U. S. M. H. S.

Train inspection service at Atlanta, Ga.

ATLANTA, GA., *October 24, 1898.*

SIR : I have the honor to report that, for the ten days previous to this date, 407 traveling certificates have been issued to persons proceeding South from this point to noninfected territory.

This pratique is given to quite a number of officers and soldiers from Louisiana, returning to the camp at Jacksonville, Fla., after detention in Atlanta for ten days and disinfection of their baggage. It is important, therefore, that the train inspection on the line between Montgomery and this city be retained for the present in order to furnish this office with a daily check list of this travel.

My dispatch recommending the discontinuance of the inspection service between Atlanta and Birmingham was forwarded just prior to receiving your message of this same date in regard to retention of the inspectors at Flomaton and Atlanta.

Respectfully, yours,

A. H. GLENNAN,
Surgeon, U. S. M. H. S.

*Tennessee abolishes quarantine against yellow fever infected districts.*NASHVILLE, TENN., *October 21, 1898.*

WHEREAS, In view of the fact that several heavy frosts have recently occurred in Tennessee and the northern portion of Mississippi; and

WHEREAS, This fact, coupled with the continued prevalence of cold weather, has reduced to a minimum the danger of any further spread of yellow fever in the States of Mississippi and Louisiana, and its possible introduction into Tennessee; therefore, be it

Resolved, That from and after this date all quarantine established by the State board of health against yellow fever infected districts be, and the same is hereby, removed.

By order of the Tennessee State board of health.

J. A. ALBRIGHT, M. D.,

Secretary and Executive Officer, State Board of Health.

W. J. McMURRAY, M. D., *President.*

*Report on yellow fever at the A. and M. College, Starkville, Miss.*STARKVILLE, MISS., *October 18, 1898.*

SIR: I have the honor to report that in obedience to instructions from Surgeon Murray, I proceeded, October 15, from Mobile, Ala., to the A. and M. College, Miss., to aid in the treatment and extermination of yellow fever at this place. I arrived here on the morning of the 16th instant, and found that the college and local health authorities had taken thorough precautions to limit the spread of the disease. An efficient cordon of guards under the direction of General S. D. Lee, the president of the college, assured no escape from the infected area, and all suspects were isolated and made to serve a detention of ten days. There has been a total of 9 cases of yellow fever within the college grounds since September 28. The last case developed on yesterday morning, and was discovered after I made my telegraphic report yesterday. This patient's name is R. C. Nickles. He is a student here and was roommate of the last case preceding. There are yet 18 suspects under the ten days' detention.

A decided frost occurred here this morning. All patients have recovered except 3, and these are doing well. The fever here is of a mild type.

Very respectfully, your obedient servant,

G. H. FONDE,

Acting Assistant Surgeon, U. S. M. H. S.

Smallpox in the United States as reported to the Supervising Surgeon-General United States Marine-Hospital Service, January 1 to October 28, 1898.

Places.	Date.	Cases.	Deaths.	Remarks.
Alabama:				
Bessemer.....	Jan. 6-Feb. 19....	148		
Birmingham.....	Jan. 6-Feb. 19....	47		
	May 18.....	15		
In Jefferson county, outside of the city.....	Feb. 6-Feb. 19....	26		
Carneys Bluff.....	Feb. 17.....			Smallpox reported.
Cedarville.....	Aug. 1-Sept. 29....	50		
Corona.....	Mar. 4.....	1		
Dallas County (near Selma)...	Oct. 20.....	15		
Dolomite.....	Dec. 1-Jan. 17....	21		
Dwight, Washington County	Aug. 16-Sept. 12..	12	1	
Gosport.....	Feb. 17.....			Do.
Glendon.....	Feb. 17.....			Do.
Haynesville.....	Mar. 11.....	400		
Horse Creek Mine.....	Mar. 4.....	8		
Hurricane Bayou.....	Mar. 31-June 12..	30		
Jackson.....	Feb. 17.....	10		
Letohatchie.....	May 18.....	50		
	July 30.....	25		Three miles from town.
Mobile.....	Feb. 5-June 15..	82	1	
	July 1-Aug. 17....	9		
Montevallo.....	Mar. 3.....	1		
Montgomery.....	June 29.....	2		
Newton.....	Jan. 15-Feb. 2....	7		
Nichols.....	Feb. 17.....			Smallpox reported.
Oxmar.....	Jan. 19.....			Do.
Patton.....	Feb. 1-Mar. 4....	9		
Pinckard.....	Feb. 2.....	50		
Port Deposit.....	May 18.....	1		
Rock Springs.....	Mar. 11.....	15		
Saltpa.....	Feb. 17.....			Do.
Selma.....	Jan. 13-Feb. 14..	3		
	Oct. 13.....	1		
Shelby.....	Jan. 28-Apr. 22..	8		
Talladega.....	Jan. 9-Feb. 15..	45		
Walker Springs.....	Feb. 17.....			Do.
Wayne County.....	June 23-July 1....	2		
Whistler.....	June 4-June 15..	1		
Arkansas:				
Beebe.....	June 30.....	1		
Conway.....	Sept. 28.....	3		
Fair Oaks.....	Mar. 1.....	5		
Hot Springs.....	June 30.....	2		
Little Rock and vicinity.....	Mar. 31-May 20..	110	1	
Newport.....	Apr. 28.....	1		
Sweet Home.....	May 20.....	11	1	
Colorado:				
Boulder County.....	June 24-July 26..	5		
Colorado Cañon.....	Aug. 8.....	7		
Las Animas County.....	July 26.....	5		
District of Columbia:				
Washington.....	Feb. 7.....	1		Naval Hospital.
	Apr. 2-May 5....	9		
	Aug. 13.....	1		
Florida:				
Bartow.....	June 25.....	1		
Bluff Springs.....	June 18.....	1		
Jacksonville.....	Mar. 20-Mar. 26..	1		
Pensacola.....	Apr. 24-May 11..	2		
Washington County.....	Jan. 24.....	12		
Georgia:				
Atlanta.....	Jan. 17-Feb. 16..	178	2	Most cases from county.
	May 27-July 27..	2		
Cartersville.....	Jan. 15-Mar. 1....	9	1	
Griffin.....	Feb. 12.....	2		
Macon.....	Jan. 15-June 1....	100	8	
Stilesboro.....	Jan. 15.....			Smallpox reported.
Illinois:				
Chicago.....	May 4.....	1		
Indiana:				
Evansville.....	Feb. 26.....	1		
Kansas:				
Fort Scott.....	Sept. 15.....	1		
Kentucky:				
Butler.....	Feb. 8-Feb. 24..	1		
Louisville.....	Apr. 16.....	1		
Middlesborough.....	Feb. 8-Apr. 7....	183	2	
Laurel County.....	July 20.....			Do.
Clay County.....	July 20.....			Do.
Jackson County.....	July 20.....			Do.

Smallpox in the United States, etc.—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
Louisiana:				
New Orleans.....	Mar. 13-May 21....	5		
Massachusetts:				
Greenfield.....	Feb. 5-Feb. 22....	1		
Westfield.....	Feb. 20-Mar. 2....	1		
Michigan:				
Detroit.....	Sept. 17-Sept. 27... Oct. 2-Oct. 8....	6 1	1	
Ionia.....	Mar. 20-Apr. 23....			Smallpox reported.
Oteego.....	Sept. 10.....			Do.
Royal Oak.....	Feb. 12-Mar. 12....	1		
Seneca Township.....	Aug. 6..... Aug. 27.....	1		Do.
Mississippi:				
Basin.....	May 16.....	7		
Chicora.....	June 23-July 1....			Cases reported.
Denny.....	May 16-May 31....	19		
Hattiesburg.....	June 4-June 15....	4		
Hendersons Point.....	Feb. 8.....	3		
Laurel.....	May 28-July 28....	11		
Meridian.....	July 28.....	2		
Moss Point.....	Feb. 15.....	1		
Ocean Springs.....	Feb. 20.....	3		
Prairie.....	June 4-June 15....			Several cases.
State Line.....	June 23-July 1....	1		
Shubuta, Clark County.....	May 28-June 15....	50		
New Jersey:				
Westfield.....	Mar. 4.....	1		
New Mexico:				
Albuquerque and vicinity....	Mar. 5-Sept. 4....	52	3	Smallpox reported prevalent along the line of the Santa Fe R. R. August 4, 1898.
New York:				
Buffalo.....	May 21-June 18....	1		
Deposit.....	Nov. 1-Nov. 30....	1		
Livonia.....	July.....	1		
New York City.....	May 14-May 21....	1		
Waverley.....	July.....	5		
North Carolina:				
Alamance County.....	Feb. 18-Feb. 25....	1		
Asheville.....	Apr. 14-July 19....	1		
Buncombe County.....	Apr. 16.....	1		
Catawaba.....	July 19.....	6		In one family.
Charlotte.....	Jan. 25-Feb. 12....	4		
Clay County.....	Feb. 15-Feb. 24....	3		
Cleveland.....	July 19.....	7		13 found recovered; total, 20 cases.
Durham.....	.....do.....	1		
Elmwood.....	.....do.....	2		
Iredell County.....	May 19-June 2....	9		
Mooreville.....	July 19.....	1		
Reidsville.....	.....do.....	1		
Wilmington.....	Jan. 12.....	1		
Wilson County.....	May 28.....	1		
Ohio:				
Bays.....	July 14.....	2		
Cincinnati.....	May 5..... Oct. 8.....	1 3		
Columbus.....	Apr. 16-Apr. 22....	1		
Dayton.....	Sept. 23..... Oct. 8.....	1 1		
Delphos.....	May 4-July 14....	15		
Fairfield County.....	Apr. 8-May 11....	12	1	
Goshen.....	July 28.....	15		
New Paris.....	Oct. 8.....	1		
Oberlin.....	.....do.....	1		
Put-in-Bay.....	Sept. 6.....	26		
Sandusky.....	Oct. 8.....	1		
St. Marys.....	.....do.....	2		
Uniopolis.....	.....do.....	1		
Van Wert.....	June 23-July 15....	13		
Wapakoneta.....	Oct. 8.....	20		
Pennsylvania:				
Chester County (near Spring City).....	Oct. 7.....	7		
Dunbar.....	June 23-July 13....	6		
Philadelphia.....	Apr. 13.....	2		
Sayre, Bradford County.....	Oct. 7.....	1		
South Carolina:				
Arkwright.....	Mar. 25.....	9		
Beaufort.....	Jan. 17.....			Smallpox reported.

Smallpox in the United States, etc.—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
South Carolina—Continued.				
Charleston.....	Apr. 22.....	1		
Columbia.....	Apr. 6-May 2....	86		
Dyson.....	Mar. 25.....	3		
Greenville.....	Jan. 17.....			Smallpox reported.
Orangeburg.....	Jan. 17.....			Do.
Pelham.....	Mar. 25.....	20		
Ridge Springs.....	Mar. 25.....	1		
Rock Hill.....	Jan. 17.....			Do.
Spartanburg.....	Jan. 17-July 26....	4		Do.
Sumter.....	May 2.....	12		
Swansea.....	Jan. 15.....			Do.
Tennessee:				
Bristol.....	Mar. 1-Mar. 31....	1		
Chattanooga.....	Jan. 1-Apr. 30....	21		
Cleveland.....	Apr. 1-Apr. 30....	6		
	July 1-July 31....	12		
Elk Valley.....	Mar. 1-Mar. 31....	1		
Huntington (near).....	Jan. 1-Jan. 29....	1		
Jellico.....	Feb. 1-Mar. 31....	9		
Johnson City.....	Feb. 1-Mar. 31....	13		
Knoxville.....	Jan. 1-Apr. 30....	43		
Lenoir City.....	Jan. 1-Feb. 28....	5		
Memphis.....	Jan. 22-Apr. 30....	4		
	July 1-July 31....	2		
Mingo mines.....	Jan. 1-Jan. 29....	6		
Mingo.....	Feb. 1-Mar. 31....	3		
Morristown.....	Feb. 1-Mar. 31....	6		
Newcomb.....	Feb. 1-Feb. 28....	3		
Rockford.....	Mar. 1-Mar. 31....	1		
Rutledge.....	Feb. 1-Apr. 30....	14		
Shields Ferry.....	Mar. 1-Mar. 31....	4		
Sprowlies.....	Mar. 1-Mar. 31....	1		
Texas:				
Brownsville.....	Feb. 26.....	1		
Columbus.....	Feb. 2-Apr. 2....	30	7	Do.
Virginia:				
Colburn.....	Feb. 1.....			Do.
Norfolk.....	Mar. 1-Mar. 10....	2		
	Sept. 19-Oct. 18....	12		
Norton.....	Feb. 1.....			Do.
West Virginia:				
Bluefield.....	Feb. 25.....	5		
Fayette County.....	May 6.....	8		
Mercer County.....	May 6.....	6		
McDowell County.....	May 6.....	12		
Wisconsin:				
Milwaukee.....	May 19.....	1		
Oshkosh.....	Apr. 28.....	1		
Wausau.....	Oct. 12.....	1		

*Report of Immigration at Boston for the week ended October 22, 1898.*OFFICE OF U. S. COMMISSIONER OF IMMIGRATION,
*Port of Boston, October 23, 1898.**Number of alien immigrants who arrived at this port during the week ended October 22, 1898;
also names of vessels and ports from which they came.*

Date.	Vessel.	Where from.	No. of immigrants.
Oct. 16	Steamship Yarmouth.....	Yarmouth, Nova Scotia.....	129
Oct. 18	Steamship Cestrian.....	Liverpool, England.....	26
Oct. 19	Steamship Boston.....	Yarmouth, Nova Scotia.....	73
Do.....	Steamship Prince Edward.....	.....do.....	73
Oct. 20	Steamship Barnstable.....	Kingston, Jamaica.....	2
Do.....	Steamship Kansas.....	Liverpool, England.....	15
Do.....	Steamship Scandinavian.....	Glasgow, Scotland.....	11
Do.....	Steamship Herman Wedal Jarlsberg.....	Progreso, Mexico.....	3
Do.....	Steamship Yarmouth.....	Yarmouth, Nova Scotia.....	89
Do.....	Steamship Cambrian.....	London, England.....	3
Do.....	Steamship Moravia.....	Hamburg, Germany.....	59
Oct. 21	Steamship Bay State.....	Liverpool, England.....	5
Do.....	Steamship Pavonia.....	.....do.....	199
Do.....	Steamship Halifax.....	Halifax, Nova Scotia.....	152
Oct. 22	Steamship Prince Edward.....	Yarmouth, Nova Scotia.....	56
	Total.....	.....	895

GEORGE B. BILLINGS,
*Commissioner.**Report of immigration at Philadelphia for the week ended October 22, 1898.*OFFICE OF U. S. COMMISSIONER OF IMMIGRATION,
*Port of Philadelphia, October 22, 1898.**Number of alien immigrants who arrived at this port during the week ended October 22, 1898;
also names of vessels and ports from which they came.*

Date.	Vessel.	Where from.	No. of immigrants.
Oct. 17	Steamship Korean.....	Glasgow.....	1
Oct. 19	Steamship Fluorine.....	Ivigtut.....	2
Do.....	Steamship Scotia.....	Liverpool and Queenstown.....	99
Oct. 21	Steamship Switzerland.....	Antwerp.....	103
	Total.....	.....	205

J. L. HUGHES,
Acting Commissioner.

QUARANTINE REPORTS.

National quarantine and inspection stations.
[Vessels named only when detained or given treatment at quarantine.]

Name of station.	Week ended.	Name of vessel.	Date of arrival.	Port of departure.	Destination.	Treatment of vessel, passengers, and cargo.	Date of departure.	Remarks.	Vessels inspected and passed.
Alexandria, Va.	Oct. 23	Port. bk. Maria	Oct. 9	Rio	Brunswick	Disinfected and held	Oct. 19		1
Brunawick, Ga.	Oct. 22	Emelia (a)	Oct. 16	New Orleans.	Newport News.	Inspected and held	Oct. 16	Pratique limited to coal in quarantine.	5
Cape Charles, Va.	do.	Aus. ss. Isiria	do.	do.	do.	do.	do.	do.	12
Cape Fear, N. C.	do.	do.	do.	do.	do.	do.	do.	do.	4
Delaware Breakwater Quarantine, Del.	do.	do.	do.	do.	do.	do.	do.	do.	5
Eureka, Cal.	Oct. 18	do.	do.	do.	do.	do.	do.	do.	1
Gray's Harbor, Wash.	do.	do.	do.	do.	do.	do.	do.	do.	2
Gulf Quarantine, Ship Island, Miss.	do.	Am. sc. W. H. Barney (a)	Oct. 2	Scranton	Pascagoula	Disinfected and held	Oct. 9	No transactions.	1
		Nor. bk. Argentin. (a)	do.	Rio	Ship Island	do.	Oct. 15		2
		Am. sc. Myra B. Weaver (a)	Oct. 4	Tampico	do.	do.	Oct. 15		
		Am. sc. Ellen Cue (a)	do.	New Orleans.	Kilin	do.	Oct. 11	2 cases malarial fever.	
		Am. sc. J. Wago (a)	Oct. 5	do.	Wolf River	do.	do.		
		Am. sc. T. W. Sons (a)	do.	do.	Pascagoula	do.	Oct. 9		
		Am. sc. Rita Cue (a)	Oct. 6	do.	Mobile	do.	Oct. 11		
		Am. sc. Elizabeth H. Raabe (a)	do.	do.	Handsboro	do.	do.		
		Am. sc. J. McCaffrey (a)	do.	do.	Lorraine	do.	do.		
		Am. sc. James H. Dudley (a)	Oct. 7	Vera Cruz	Pascagoula	do.	Oct. 13		
		Am. sc. M. L. Williams (a)	do.	do.	do.	do.	do.		
		Am. sc. Lewis A. Edwards (a)	Oct. 8	Habana	do.	do.	do.		
		Nor. bk. Athene (a)	do.	Bahia	do.	Held for disinfection	do.		
		Am. sc. Ass. T. Skowell	Oct. 9	Cardenas	do.	Disinfected and held	Oct. 14		
		Am. sc. O. A. Fish	do.	New Orleans.	Logtown	do.	do.		
		Am. sc. W. C. Braisher	Oct. 10	do.	Pascagoula	do.	do.		

Am. sc. A. J. Ramsey.	do.	do.	Biloxi	do	Oct. 15		
Am. sc. Gertrude A. Rosch.	do.	do.	Scranton	do	Oct. 13		
Am. sc. V. M. Fauria.	do.	do.	Pascagoula	do	do		
Am. sc. Chasseur.	do.	do.	Biloxi	do	Oct. 14		
Am. sc. Wade Hampton.	do.	do.	Wolf River	do	do		
Am. sc. Geo. W. Lister.	do.	do.	do	do	do		
Nor. bk. Florid Bay/les.	do.	Rio Vera Cruz	Mobile	Held for disinfection. Disinfected and held.			
Am. sc. Elsie A. Bay/les.	do.	do.	Biloxi	do			
Am. sc. Monitor Esda.	Oct. 11	New Orleans	Pascagoula	do			
Am. sc. Addie Esda.	do.	do.	Pearl River	do			
Am. sc. Lizzie Haas.	do.	do.	Horn Island	do			
A. sc. Jennie Dawsey.	do.	do.	Biloxi	do			
Am. sc. Alphonse.	Oct. 12	Jordan River	Jordan River	do			
Am. sc. Champion Splitter.	do.	do.	do	do			
Am. sc. Missouri Sliglets.	Oct. 13	do.	Lorraine	do			
Am. sc. May Flower.	do.	do.	Bay St. Louis	do			
Am. sc. Olivia.	Oct. 14	do.	do	do			
Am. sc. M. Fiechas.	do.	do.	Biloxi	do			
Am. sc. Wanderer.	Oct. 15	Moss Point	Mobile	do			7
Oct. 8	do.	do.	do	No transactions			12
Newbern, N. C.	Oct. 15	do.	do	1 death from yellow fever on voyage; body brought to quarantine.	Oct. 20		16
Reedy Island Quarantine, Del.	Oct. 22	Port Antonio.	Philadelphia.	Disinfected and held.			
San Diego, Cal.	Oct. 15	do.	do	do			2
San Francisco Quarantine, Cal.	do	Manila, P. I.	San Francisco	Disinfected and released.	Oct. 9		14
South Atlantic Quarantine, Blackbeard Island, Ga.	do	Paramaribo	Philadelphia.	Disinfected and held.	Oct. 14		2
Oct. 23	do.	Darien, Ga.	Darien, Ga.	Held in quarantine.	Oct. 10		1

^a Previously reported.

QUARANTINE REPORTS—Continued.
National quarantine and inspection stations—Continued.

Name of station.	Week ended.	Name of vessel.	Date of arrival.	Port of departure.	Destination.	Treatment of vessel, passengers, and cargo.	Date of departure.	Remarks.	Vessels inspected and passed.
Tortugas Quarantine, Key West, Fla.	Oct. 15	Am. brig. Pedro(a)	Sept. 29	Habana	Mobile	Disinfected and held.		1 case of dengue in quarantine.	
		Nor. ss. John Wilson.	Oct. 13	do	Mobile via Rocas del Toro. Cruising	do			
Washington, N. C.		Am. ss. Resolute.	do	do		Disinfected in part.	Oct. 15	Vessel left for New York before completion of disinfection. 1 death from yellow fever.	
	Oct. 22							No transactions	

a Previously reported.

QUARANTINE REPORTS—Continued.

State and municipal quarantine stations.

[Vessels named only when detained or given treatment at quarantine.]

Name of station.	Week ended.	Name of vessel.	Date of arrival.	Port of departure.	Destination.	Treatment of vessel, passengers, and cargo.	Date of departure.	Remarks.	Vessels inspected and passed.
Anclote, Fla.....	Oct. 22	.....	.....	.....	.....	.....	.....	No report.....	.....
Baltimore, Md.....	do.....	.....	.....	.....	.....	.....	.....	No report.....	25
Baylor, Mo.....	do.....	.....	.....	.....	.....	.....	.....	do.....	.....
Boston, Mass.....	do.....	.....	.....	.....	.....	.....	.....	do.....	.....
Carabelle, Fla.....	do.....	.....	.....	.....	.....	.....	.....	do.....	16
Cedar Keys, Fla.....	Oct. 15	.....	.....	.....	.....	.....	.....	No report.....	9
Charleston, S. C.....	Oct. 22	.....	.....	.....	.....	.....	.....	do.....	.....
Charlotte Harbor, Fla.....	Oct. 15	.....	.....	.....	.....	.....	.....	No report.....	.....
.....	Oct. 22	.....	.....	.....	.....	.....	.....	do.....	7
Elizabeth River, Va.....	do.....	.....	.....	.....	.....	.....	.....	No report.....	.....
Galveston, Tex.....	do.....	.....	.....	.....	.....	.....	.....	do.....	.....
Gardiner, Ore.....	do.....	.....	.....	.....	.....	.....	.....	do.....	8
Key West, Monroe Co., Fla.....	do.....	.....	.....	.....	.....	.....	.....	do.....	.....
Los Angeles, Cal.....	Oct. 15	.....	.....	.....	.....	.....	.....	No transactions.....	8
Mayport, Fla.....	Oct. 22	.....	.....	.....	.....	.....	.....	do.....	11
Mobile Bay, Ala.....	Oct. 15	.....	.....	.....	.....	.....	.....	do.....	10
.....	Oct. 22	.....	.....	.....	.....	.....	.....	do.....	.....
New Orleans, La.....	do.....	.....	.....	.....	.....	.....	.....	No report.....	10
Newport News, Va.....	do.....	.....	.....	.....	.....	.....	.....	do.....	.....
Newport, R. I.....	do.....	.....	.....	.....	.....	.....	.....	do.....	.....
New York, N. Y.....	do.....	.....	.....	.....	.....	.....	.....	do.....	.....
Pass Cavallo, Tex.....	Oct. 15	.....	.....	.....	.....	.....	.....	do.....	.....
.....	Oct. 22	.....	.....	.....	.....	.....	.....	do.....	.....
Providence, R. I.....	do.....	.....	.....	.....	.....	.....	.....	No transactions.....	4
Round Island, Miss.....	Oct. 15	.....	.....	.....	.....	.....	.....	do.....	1
St. Helena Entrance, S. C.....	Oct. 23	.....	.....	.....	.....	.....	.....	No report.....	.....
San Pedro, Cal.....	Oct. 22	.....	.....	.....	.....	.....	.....	No report.....	1
.....	Oct. 15	.....	.....	.....	.....	.....	.....	do.....	.....
Savannah, Ga.....	Oct. 22	.....	.....	.....	.....	.....	.....	No report.....	8
.....	Oct. 15	Nor. bk. Ole Smith Piong (a) Br. bk. Lucia.....	Oct. 8 Oct. 10	Bahia via Barbados Rio via Philadelphia.....	Savannah..... .....do.....	Bellied discharged; vessel disinfected and held. Disinfected and held.....	Oct. 13	.....	.....
Tampa Bay, Fla.....	do.....	Gen. bk. Bessel.....	Oct. 10	Para.....	Apalachicola.....	.....do.....	Oct. 23	.....	9
.....	Oct. 22	do (a).....	Oct. 11	do.....	do.....	.....do.....	.....	.....	15

a Previously reported.

Reports of States and yearly and monthly reports of cities.

COLORADO—*Denver*.—Month of September, 1898. Estimated population, 167,000. Total number of deaths, 132, including diphtheria, 1; enteric fever, 6; whooping cough, 1, and 42 from phthisis pulmonalis.

CONNECTICUT—*New Haven*.—Month of September, 1898. Estimated population, 110,000. Total number of deaths, 71, including diphtheria, 1; enteric fever, 8; whooping cough, 2, and 6 from phthisis pulmonalis.

IOWA—*Burlington*.—Month of September, 1898. Estimated population, 30,000. Total number of deaths, 24, including enteric fever, 2, and 4 from phthisis pulmonalis.

Cedar Rapids.—Estimated population, 27,000. Total number of deaths, 20, including 3 from phthisis pulmonalis.

Davenport.—Estimated population, 36,000. Total number of deaths, 36, including diphtheria, 1, and 1 from phthisis pulmonalis.

Des Moines.—Estimated population, 70,000. Total number of deaths, 60, including enteric fever, 9, and 6 from phthisis pulmonalis.

Dubuque.—Estimated population, 45,000. Total number of deaths, 29, including diphtheria, 1, and 5 from phthisis pulmonalis.

Eldon.—Estimated population, 1,900. Total number of deaths, 1.

Grinnell.—Estimated population, 4,000. Total number of deaths, 2, including 1 from enteric fever.

Iowa City.—Estimated population, 7,016. Total number of deaths, 3.

Keokuk.—Estimated population, 19,305. Total number of deaths, 12, including enteric fever, 8, and 1 from phthisis pulmonalis.

Muscatine.—Estimated population, 12,237. Total number of deaths, 22, including enteric fever, 8, and 1 from phthisis pulmonalis.

Ottumwa.—Estimated population, 18,000. Total number of deaths, 26, including enteric fever, 1, and 2 from phthisis pulmonalis.

The following outbreaks of infectious diseases have been reported as having occurred in the State of Iowa during the month of September:

Diphtheria.—Alvord, Attica, Burchinal, Columbus Junction, Concord Township, Hancock County; Davenport, Dubuque, Elgin, Howard Township, Story County; Iowa City, Kellerton, Muscatine, Plattsville, Mills County; Springbrook, Springfield Township, Winneshiek County; Washington Township, Harrison County.

Scarlet fever.—Boone Township, Dallas County; Cedar Rapids, Doon, Eldorado, Eliot Township, Louisa County; Iowa City, Radcliffe, Sac City.

Typhoid fever.—Burlington, Des Moines, Grinnell, Jolley, Keokuk, Muscatine, Ottumwa.

MASSACHUSETTS—*Worcester*.—Month of September, 1898. Estimated population, 106,202. Total number of deaths, 154, including 16 from phthisis pulmonalis.

MICHIGAN.—Reports to the State board of health, Lansing, for the week ended October 15, 1898, from 78 observers, indicate that erysip-

las, intermittent fever, and influenza increased, and cholera infantum, enteric fever, inflammation of kidney, phthisis pulmonalis, and dysentery decreased in area of prevalence. Phthisis pulmonalis was reported present at 183, enteric fever at 88, diphtheria at 30, scarlet fever at 22, whooping cough at 10, measles at 8 places, and smallpox at 1 place (Detroit).

Grand Rapids.—Month of September, 1898. Estimated population, 90,000. Total number of deaths, 86, including diphtheria, 2; enteric fever, 5, and 8 from phthisis pulmonalis.

MINNESOTA—*St. Paul.*—Month of September, 1898. Estimated population, 215,582. Total number of deaths, 133, including diphtheria, 5; enteric fever, 9; whooping cough, 1, and 23 from phthisis pulmonalis.

MISSOURI—*Kansas City.*—Month of September, 1898. Estimated population, 200,000. Total number of deaths, 127, including diphtheria, 2; enteric fever, 5, and 6 from phthisis pulmonalis.

St. Louis.—Month of August, 1898. Estimated population, 623,000. Total number of deaths, 695, including diphtheria, 3; enteric fever, 9; whooping cough, 3, and 76 from phthisis pulmonalis.

STATE OF NEW YORK.

Mortality statistics for the year ended 1896 (annual report, State board of health).

Month.	Causes of death.								Total deaths from sym- tomic diseases.
	Phthisis pul- monalis.	Smallpox.	Typhus.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.	
January	1,152	1	.....	158	118	530	199	73	10,176
February	1,084	.....	.....	121	110	444	192	52	9,825
March.....	1,490	1	.....	103	76	370	251	77	11,080
April.....	1,189	.....	.....	87	81	345	234	88	10,480
May.....	1,193	1	.....	59	78	392	172	100	9,541
June.....	1,097	.....	.....	66	50	362	140	85	9,342
July.....	1,050	.....	.....	103	55	293	85	117	12,659
August.....	1,059	.....	.....	171	19	257	59	132	12,475
September.....	1,023	.....	.....	221	26	294	31	102	9,467
October.....	990	.....	.....	195	35	361	37	67	8,676
November.....	876	.....	.....	132	48	429	45	44	7,888
December.....	1,062	.....	.....	126	63	520	50	59	9,074
Total.....	13,265	3	0	1,542	759	4,597	1,495	996	120,683

OHIO—*Cincinnati.*—Month of September, 1898. Estimated population, 405,000. Total number of deaths, 391, including diphtheria, 5; enteric fever, 7; measles, 2; whooping cough, 1, and 41 from phthisis pulmonalis.

Cleveland.—Month of September, 1898. Estimated population, 370,000. Total number of deaths, 399, including diphtheria, 9; enteric fever, 14; scarlet fever, 2; whooping cough, 1, and 7 from phthisis pulmonalis.

RHODE ISLAND—*Newport*.—Month of September, 1898. Estimated population, 21,500. Total number of deaths, 33, including 3 from phthisis pulmonalis.

WASHINGTON—*Tacoma*.—Month of September, 1898. Estimated population, 50,000. Total number of deaths, 43, including enteric fever, 4; whooping cough, 1, and 1 from phthisis pulmonalis.

WISCONSIN—*Milwaukee*.—Month of September, 1898. Estimated population, 280,000. Total number of deaths, 324, including diphtheria, 1; enteric fever, 7; scarlet fever, 1; whooping cough, 9, and 27 from phthisis pulmonalis.

MORTALITY TABLE, CITIES OF THE UNITED STATES.

Cities.	Week ended.	Population, U. S. Census of 1890.	Total deaths from all causes.	Deaths from—										
				Phthisis pulmonalis.	Yellow fever.	Smallpox.	Varicoid.	Cholera.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Allegheny, Pa.....	Oct. 22.....	105,287	44	2						3	1	4		
Ashtabula, Ohio.....	Oct. 15.....	8,338	1									1		
Do.....	Oct. 22.....	8,338	4									1		
Bristol, R. I.....do.....	do.....	5,478	9											
Brockton, Mass.....	Oct. 15.....	27,294	3							1				
Bucyrus, Ohio.....	Oct. 8.....	5,974	1											
Do.....	Oct. 15.....	5,974	1											
Cambridge, Mass.....	Oct. 22.....	70,028	30	4										
Charleston, S. C.....	Oct. 15.....	a 54,955	638	5						1				
Chicago, Ill.....	Oct. 8.....	1,099,850	381	33						23	1	12	1	4
Do.....	Oct. 22.....	1,099,850	365	43						13	1	16	1	3
Cincinnati, Ohio.....do.....	do.....	296,908	6							5		4		
Concord, N. H.....	Oct. 8.....	17,044	4								1			1
Do.....	Oct. 15.....	17,044	4											
Dayton, Ohio.....	Oct. 22.....	61,220	26	2								1		
Detroit, Mich.....	Oct. 8.....	205,876	92	3	1						2	1		
Dubois, Pa.....	Oct. 15.....	6,149	2											
Dunkirk, N. Y.....	Oct. 1.....	9,416	2											
Do.....	Oct. 10.....	9,416	2											
Do.....	Oct. 15.....	9,416	4	1										
Erie, Pa.....	Oct. 8.....	40,634	7	1										
Everett, Mass.....do.....	do.....	11,068	11									1		
Do.....	Oct. 15.....	11,068	5	2										
Fitchburg, Mass.....	Oct. 8.....	22,037	5	3										
Do.....	Oct. 15.....	22,037	7											
Flint, Mich.....	Oct. 8.....	9,803	3											1
Do.....	Oct. 22.....	9,803	3											
Grand Rapids, Mich.....	Oct. 15.....	60,278	14							1				
Green Bay, Wis.....do.....	do.....	9,069	3							1				
Haverhill, Mass.....	Oct. 22.....	27,412	7											1
Hoboken, N. J.....do.....	do.....	43,648	18									2		
Jacksonville, Fla.....	Oct. 8.....	17,201	37	1						22				
Do.....	Oct. 15.....	17,201	41	1						18				
Jersey City, N. J.....	Oct. 9.....	163,003	75							1	1			
Do.....	Oct. 16.....	163,003	69							1	1	3		
Do.....	Oct. 23.....	163,003	73	9						1	1	2		2
Johnstown, Pa.....	Oct. 22.....	21,806	5											
Kalamazoo, Mich.....	Oct. 8.....	17,853	8											
Do.....	Oct. 15.....	17,853	14							1				
Lancaster, Pa.....	Oct. 8.....	32,011	5											
Lawrence, Mass.....do.....	do.....	44,654	21							1				
Do.....	Oct. 15.....	44,654	21	1								1		
Lowell, Mass.....	Oct. 22.....	77,696	24							2		2		
Lynchburg, Va.....do.....	do.....	19,709	7	3										
McKeesport, Pa.....	Oct. 8.....	20,741	19							1		1		
Do.....	Oct. 15.....	20,741	5											
Manchester, N. H.....do.....	do.....	44,126	21								1	1		
Do.....	Oct. 22.....	44,126	10	1						1		1		
Massillon, Ohio.....	Oct. 8.....	10,092	0											
Medford, Mass.....	Oct. 22.....	11,079	4											
Melrose, Mass.....	Oct. 8.....	8,519	4	1										
Do.....	Oct. 15.....	8,519	5	2										
Memphis, Tenn.....	Oct. 22.....	64,495	21	4										
Michigan City, Ind.....	Oct. 15.....	10,776	8											
Do.....	Oct. 22.....	10,776	3											
Middletown, N. Y.....	Oct. 15.....	11,977	9									1		
Milwaukee, Wis.....	Oct. 8.....	204,468	62	8						1				4
Do.....	Oct. 15.....	204,468	58	6						1		1		
Do.....	Oct. 22.....	204,468	48	3						1				1
Nashville, Tenn.....do.....	do.....	76,168	4							1		2		
New Bedford, Mass.....do.....	do.....	40,733	23	1						3		1		
Newburyport, Mass.....	Sept. 24.....	13,947	4	1										
Do.....	Oct. 1.....	13,947	10	2										
Do.....	Oct. 8.....	13,947	3											1
Do.....	Oct. 15.....	13,947	7											
New Orleans, La.....	Oct. 8.....	242,039	159	21	9					7				
Do.....	Oct. 15.....	242,039	136	14	8					5				
Newport, R. I.....	Oct. 22.....	19,457	3							c1				
New York, N. Y.....do.....	do.....	d3,438,899	1,140	130						24	6	28	4	11
North Adams, Mass.....	Oct. 8.....	16,074	8							1				
Do.....	Oct. 22.....	16,074	8							1				

a Estimated population, 65,165—white, 28,870; colored, 36,295.
 c From Montauk Point, Long Island.

b White, 14; colored, 24.
 d Estimated.

MORTALITY TABLE, CITIES OF THE UNITED STATES—Continued.

Cities.	Week ended.	Population, U. S. Census of 1890.	Total deaths from all causes.	Deaths from—													
				Phtthisis pulmonalis.	Yellow fever.	Smallpox.	Variceloid.	Cholera.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.			
Omaha, Nebr.....	Oct. 15.....	140,452	22														
Oneonta, N. Y.....	Oct. 22.....	6,272	1														
Orange, N. J.....	do.....	18,814	6														
Petersburg, Va.....	Oct. 9.....	22,680	1														
Do.....	Oct. 16.....	22,680	9	2													
Philadelphia, Pa.....	Oct. 8.....	1,046,964	408	42						14			22				
Do.....	Oct. 15.....	1,046,964	331	58						11		1	21				7
Do.....	Oct. 22.....	1,046,964	^b 386	36						17		4	26				
Pittsburg, Pa.....	Oct. 8.....	238,617	87	9						7		1	3				4
Do.....	Oct. 15.....	238,617	70	4						4			3				2
Pittsfield, Mass.....	Oct. 8.....	17,281	8	3								1					
Do.....	Oct. 22.....	17,281	9							2							
Plainfield, N. J.....	do.....	11,267	5										1				
Portland, Me.....	Oct. 15.....	36,425	14	2						1							
Do.....	Oct. 22.....	36,425	16							2							
Pottstown, Pa.....	Oct. 21.....	13,284	4														
Providence, R. I.....	Oct. 22.....	132,146	49	6						2							
Pueblo, Colo.....	Oct. 8.....	24,558	8							1			1				
Do.....	Oct. 15.....	24,558	7							2							
Salt Lake City, Utah...	Oct. 10.....	44,843	11	1						1							
San Diego, Cal.....	Oct. 15.....	16,159	2														
Santa Barbara, Cal.....	do.....	5,864	2														
Sault Ste. Marie, Mich...	Oct. 8.....	5,760	1														
Do.....	Oct. 15.....	5,760	4														
Scranton, Pa.....	Oct. 22.....	75,215	29							1			2				
Shreveport, La.....	do.....	11,979	7	1													
Spokane, Wash.....	Oct. 15.....	19,922	8	1						1							
Taunton, Mass.....	Oct. 22.....	28,448	5														
Waltham, Mass.....	do.....	18,707	4														
Warren, Ohio.....	Oct. 15.....	5,973	2														
Do.....	Oct. 22.....	5,973	1														
Washington, D. C.....	Oct. 8.....	230,392	111	13						6		1	11				1
Do.....	Oct. 15.....	230,392	100	11						5		1	6				
Winona, Minn.....	do.....	18,208	7														
Woburn, Mass.....	Oct. 1.....	13,499	7														
Do.....	Oct. 8.....	13,499	7	1													
Do.....	Oct. 15.....	13,499	3	2													
Worcester, Mass.....	Oct. 7.....	84,655	33	4						1							
Do.....	Oct. 21.....	84,655	26	3						1			2				
Yonkers, N. Y.....	Oct. 7.....	23,083	17	1						1			1				
Do.....	Oct. 14.....	23,083	15	5													2
Do.....	Oct. 21.....	23,083	20	2													
Youngstown, Ohio.....	Oct. 22.....	33,220	6														

^a Four soldiers.

^b Eleven sold lers in hospitals.

Table of temperature and rainfall, week ended October 17, 1898.

[Received from Department of Agriculture, Weather Bureau.]

Locality.	Temperature in degrees Fahrenheit.			Rainfall in inches and hundredths.		
	Normal.	αExcess.	αDeficiency.	Normal.	Excess.	Deficiency.
Atlantic Coast:						
Eastport, Me.....	47		1	.91	.00	
Portland, Me.....	49		2	.88	.09	
Northfield, Vt.....	43	0		.49	.62	
Boston, Mass.....	52		1	.98	.33	
Vineyard Haven, Mass.....	55	0		.91	.79	
Nantucket, Mass.....	53	1		.91		.08
Woods Hole, Mass.....	53	1		.91	1.13	
Block Island, R. I.....	54	0		1.08	1.09	
New Haven, Conn.....	53	0		.91	.88	
Albany, N. Y.....	51	0		.72	.40	
New York, N. Y.....	56	0		.77	.56	
Harrisburg, Pa.....	53	3		.70	.32	
Philadelphia, Pa.....	56	1		.63	.65	
New Brunswick, N. J.....	54	2		.82	.96	
Atlantic City, N. J.....	57	0		.70		.07
Baltimore, Md.....	58	0		.67		.50
Washington, D. C.....	57	0		.70		.37
Lynchburg, Va.....	57	1		.76		.32
Cape Henry, Va.....	62	3		.84		.28
Norfolk, Va.....	61	2		.89		.66
Charlotte, N. C.....	62		1	.84		.84
Raleigh, N. C.....	58	4		1.26		1.17
Kittyhawk, N. C.....	65	1		.80	1.20	
Hatteras, N. C.....	64	2		1.40	.84	
Wilmington, N. C.....	63	0		.83	2.72	
Columbia, S. C.....	65	0		.56		.56
Charleston, S. C.....	67	3		.95		.56
Augusta, Ga.....	64	1		.56		.56
Savannah, Ga.....	66	3		.82		.76
Jacksonville, Fla.....	70	4		1.23		.73
Jupiter, Fla.....	76	3		2.22		2.01
Key West, Fla.....	79	1		1.24	1.30	
Gulf States:						
Atlanta, Ga.....	64		2	.42		.42
Tampa, Fla.....	74	3		.53		.53
Pensacola, Fla.....	70	0		.73		.47
Mobile, Ala.....	68		1	.77		.71
Montgomery, Ala.....	65	0		.49	.05	
Vicksburg, Miss.....	66		2	.49	.44	
New Orleans, La.....	71	1		.66	.10	
Shreveport, La.....	66		1	.63	.60	
Fort Smith, Ark.....	62		1	.58	3.04	
Little Rock, Ark.....	63		1	.49	.60	
Palestine, Tex.....	67	0		.70	.07	
Galveston, Tex.....	74	0		.91		.63
San Antonio, Tex.....	72	3		.35		.35
Corpus Christi, Tex.....	73	3		.46		.45
Ohio Valley and Tennessee:						
Memphis, Tenn.....	62		1	.56	.20	
Nashville, Tenn.....	61		2	.50		.39
Chattanooga, Tenn.....	62		3	.51		.41
Knoxville, Tenn.....	58	0		.63		.60
Louisville, Ky.....	59		1	.63	.39	
Indianapolis, Ind.....	56		2	.58	1.09	
Cincinnati, Ohio.....	58		2	.53		.08
Columbus, Ohio.....	56		2	.56		.25
Parkersburg, W. Va.....	53	2		.70		.36
Pittsburg, Pa.....	56	0		.54	.08	
Lake Region:						
Oswego, N. Y.....	51		1	.72	1.27	
Rochester, N. Y.....	50		1	.63	.08	
Buffalo, N. Y.....	51	0		.64		.23
Eric, Pa.....	53	0		.91		.35
Cleveland, Ohio.....	53	1		.63	.04	
Sandusky, Ohio.....	55		2	.63	.12	
Toledo, Ohio.....	53		1	.56	.45	
Detroit, Mich.....	52		1	.56	.48	
Lansing, Mich.....	50		1	.58	.04	
Port Huron, Mich.....	50	1		.63	1.06	
Alpens, Mich.....	46	1		.37	1.25	
Sault Ste. Marie, Mich.....	45		2	.77		.40
Marquette, Mich.....	47	0		.71		.39
Green Bay, Wis.....	49	0		.56	1.32	
Grand Haven, Mich.....	51	1		.72		.10
Milwaukee, Wis.....	51	0		.56	.58	
Chicago, Ill.....	54		2	.67		.16
Duluth, Minn.....	46		3	.59	.29	

α The figures in these columns represent the average daily departure.

Table of temperature and rainfall, week ended October 17, 1898—Continued.

Locality.	Temperature in degrees Fahrenheit.			Rainfall in inches and hundredths.		
	Normal.	α Excess.	α Defic. ncy.	Normal.	Excess.	Deficiency.
Upper Mississippi Valley:						
St. Paul, Minn.....	49		3	.43	1.96	
La Crosse, Wis.....	52		4	.47	1.42	
Dubuque, Iowa.....	53		3	.59	.42	
Davenport, Iowa.....	54		2	.60		.08
Des Moines, Iowa.....	54		2	.70	1.38	
Keokuk, Iowa.....	56		1	.63	1.12	
Hannibal, Mo.....	56		2	.62	1.23	
Springfield, Ill.....	57		2	.57	.88	
Cairo, Ill.....	60		1	.56	.50	
St. Louis, Mo.....	59	0		.63	.51	
Missouri Valley:						
Columbia, Mo.....	58		3	.24	.97	
Springfield, Mo.....	57		1	.60	2.44	
Kansas City, Mo.....	57	0		.77	1.68	
Topeka, Kans.....	59		1	.42	.71	
Wichita, Kans.....	59	0		.42	.42	
Concordia, Kans.....	57	0		.35		
Lincoln, Nebr.....	55			.42		.28
Omaha, Nebr.....	54		1	.59	.08	
Sioux City, Iowa.....	54		3	.42		
Yankton, S. Dak.....	50	0		.30		.41
Valentine, Nebr.....	49	1		.21		.29
Huron, S. Dak.....	47	1		.28		.18
Pierre, S. Dak.....	51	0		.14		.09
Moorhead, Minn.....	44		2	.49		.13
Bismarck, N. Dak.....	45	0		.21	.03	.43
Williston, N. Dak.....	43	2		.26	.03	
Rocky Mountain Region:						
Havre, Mont.....	42	3		.14		.10
Helena, Mont.....	44	1		.21	.30	
Miles City, Mont.....	47	0		.21	.08	
Rapid City, S. Dak.....	49	0		.16		.15
Spokane, Wash.....	48	1		.35		.25
WallaWalla, Wash.....	54		1	.37		.22
Baker City, Oreg.....	46	0		.28		.07
Winnemucca, Nev.....	46	2		.07		.07
Idaho Falls, Idaho.....	46		3	.21		.21
Salt Lake City, Utah.....	52		2	.35	.13	
Lander, Wyo.....	44		1	.21		.15
Cheyenne, Wyo.....	45		1	.14		.08
North Platte, Nebr.....	50	0		.21		.17
Denver, Colo.....	51	0		.21	.34	
Pueblo, Colo.....	52		1	.20		.16
Dodge City, Kans.....	56	1		.28	.14	
Oklahoma, Okla.....	63		2	.34		.18
Amarillo, Tex.....	57	1		.35		.20
Abilene, Tex.....	66	3		.56		.56
Santa Fe, N. Mex.....	51		1	.21		.21
El Paso, Tex.....	65	1		.21		.21
Phoenix, Ariz.....	70	5		.14		.14
Pacific Coast:						
Seattle, Wash.....	52	1		.77	1.70	
Tacoma, Wash.....	51			.91		
Portland, Oreg.....	53	1		.88		.35
Roseburg, Oreg.....	52			.63		
Redbluff, Cal.....	62			.28		
Carson City, Nev.....	51	1		.07		.07
Sacramento, Cal.....	60	8		.21		.21
San Francisco, Cal.....	59	5		.27		.27
Fresno, Cal.....	64	6		.14		.14
Los Angeles, Cal.....	63	4		.14		.14
San Diego, Cal.....	63			.07		
Yuma, Ariz.....	73	4		.07		.07
San Luis Obispo, Cal.....	62	12		.21		.21

α The figures in these columns represent the average daily departure.

FOREIGN.

[Reports received from United States consuls through the Department of State and from other sources.]

Cholera, yellow fever, plague, and smallpox as reported to the Supervising Surgeon-General United States Marine-Hospital Service, January 1 to October 28, 1898.

CHOLERA.

Places.	Date.	Cases.	Deaths.	Remarks.
China:				
Hongkong.....	Apr. 24-Apr. 30...	5	3	
India:				
Bombay.....	Nov. 24-Nov. 30.....		4	
	Dec. 1-Mar. 1.....		55	
	Mar. 2-Mar. 29.....		11	
	Mar. 30-May 24.....		16	
	June 1-June 7.....		1	
	June 20-June 28.....		2	
	July 5-July 12.....		3	
	July 19-July 26.....		4	
	July 26-Aug. 30.....		4	
Calcutta.....	Nov. 14-Dec. 4.....		42	
	Dec. 5-Jan. 1.....		31	
	Jan. 2-Jan. 29.....		28	
	Jan. 30-Feb. 26.....		82	
	Feb. 27-Mar. 26.....		95	
	Mar. 27-June 11.....		271	
	June 25-July 16.....		17	
	July 16-July 30.....		8	
	July 31-Aug. 20.....		10	
	Aug. 27-Sept. 8.....		4	
	Sept. 4-Sept. 10.....		5	
Madras.....	Nov. 20-Dec. 10.....		8	
	Dec. 4-Dec. 31.....		11	
	Jan. 1-Jan. 28.....		45	
	Jan. 29-June 10.....		43	
	May 28-June 3.....		1	
	July 9-July 22.....		43	
	July 22-July 29.....		38	
	July 30-Aug. 5.....		38	
	Aug. 6-Aug. 12.....		71	
	Sept. 4-Sept. 16.....		103	Cholera reported epidemic.
Singapore.....	Nov. 1-Nov. 30.....		1	
	Dec. 1-Dec. 31.....		1	
	Mar. 1-Mar. 31.....		1	
Japan:				
Awomori Ken.....	Aug. 17-Sept. 11.....	1		
Fukuoka Ken.....	June 27-July 27.....	1		
Fukushima Ken.....	Aug. 17-Sept. 11.....	3	2	
Hiogo.....	May 19-June 5.....	1	1	
Iahikawa Ken.....	June 27-July 27.....	3	2	
Kanagawa Ken.....	Mar. 24-June 26.....	15	7	
	Aug. 17-Sept. 29.....	6	3	
Okayama.....	Apr. 29-May 19.....	1		
Osaka and Hiogo.....	Mar. 26-June 11.....	4	2	
	May 21-May 28.....	1		
	July 16-Sept. 3.....	7	4	
Tokyo Fu.....	Apr. 11-June 15.....	14	4	
	July 28-Sept. 29.....	29	20	
Yamagata Ken.....	June 27-July 27.....	1		
Yokohama.....	Apr. 15-Apr. 29.....		1	
Straits Settlements:				
Singapore.....	June 1-June 30.....		1	

YELLOW FEVER.

Brazil:				
Araraguara.....	Mar. 1-Mar. 31...	4	3	
	Apr. 1-May 31...	125	57	
Bahia.....	Dec. 27.....	3	2	
	Dec. 29.....	6		
	May 2-June 7...	6	3	
Ceara.....	Nov. 1-Nov. 30.....		1	
Descalvado.....	May 1-May 31...	2	1	
Jaboticabal.....	Mar. 1-Mar. 31...	35	16	
Para.....	Dec. 12-Jan. 1.....		24	
	Jan. 2-Jan. 15.....		22	

Taken off of Nor. bk. Adonis.

Cholera, yellow fever, plague, smallpox, etc.—Continued.

YELLOW FEVER—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
Brasil—Continued.				
Para.....	Jan. 16-Feb. 28.....	5	30	
	June 1-June 23.....	5	1	
Ribeirao Bonito.....	Feb. 1-Mar. 31.....	99	22	
	Apr. 1-Apr. 30.....	6	3	
Rio Clara.....	Mar. 1-Mar. 31.....	9	4	
	Apr. 1-May 31.....	69	33	
Rio de Janeiro.....	Nov. 21-Dec. 4.....	1	1	
	Dec. 5-Jan. 1.....	8	3	
	Jan. 1-Jan. 29.....	22	17	
	Jan. 30-July 29.....	.....	990	
	July 30-Aug. 19.....	40	26	
Sao Carlos de Pinhal.....	Feb. 28-Mar. 31.....	223	58	Yellow fever reported.
	Apr. 1-May 31.....	262	90	
	May 24.....	.....	.....	Yellow fever reported epidemic.
Santos.....	Jan. 2-Jan. 8.....	1	1	
	Jan. 23-Jan. 29.....	3	.....
	Jan. 30-Feb. 28.....	21	3	
	Mar. 1-Mar. 31.....	32	18	
	Apr. 1-Apr. 30.....	103	52	In isolation hospital.
	May 3-May 24.....	159	97	84 deaths in isolation hospital.
	June 4-June 18.....	72	43	
Sao Paulo.....	Feb. 1-Mar. 31.....	4	3	
Taboticabal.....	Apr. 1-Apr. 30.....	106	42	
Tahir.....	May 1-May 31.....	3	1	
Victoria.....	Apr. 29-May 13.....	3	2	
Colombia:				
Cartagena.....	June 1-June 30.....	1	1	
	July 1-July 30.....	5	4	
	Sept. 1-Sept. 30.....	1	1	
Colon.....	June 6-June 22.....	.....	.....	Sporadic cases of yellow fever occur from time to time.
Costa Rica:				
Limon.....	June 14-Aug. 19.....	.....	3	
	Aug. 16-Aug. 24.....	.....	2	
	Aug. 25-Sept. 10.....	.....	2	
Cuba:				
Cienfuegos.....	Dec. 20-Jan. 2.....	.....	2	No reports received since hostilities with Spain began.
	Jan. 3-Jan. 23.....	.....	1	
Gibara.....	Sept. 1-Sept. 15.....	4	0	
Habana.....	Dec. 17-Dec. 30.....	.....	6	Do.
	Jan. 1-Oct. 13.....	.....	101	
Manzanillo.....	Dec. 1-Dec. 31.....	.....	28	Do.
	Jan. 1-Jan. 31.....	.....	9	
Matanzas.....	Feb. 14-Feb. 28.....	.....	3	
	Dec. 15-Jan. 19.....	.....	4	Do.
Regla.....	Feb. 9-Feb. 23.....	.....	2	
	Dec. 31-Feb. 28.....	.....	7	Do.
Sagua la Grande.....	Mar. 1-Mar. 24.....	.....	2	
	Dec. 18-Jan. 20.....	.....	.....	A few cases of yellow fever, but impossible to obtain statistics. No reports received since hostilities with Spain began.
Santiago de Cuba.....	Dec. 19-Jan. 29.....	.....	6	
	July 20-Aug. 2.....	.....	.....	Yellow fever reported.
	Aug. 18.....	1	.....
Siboney.....	July 10.....	14	.....
Jamaica:				
Kingston.....	Dec. 19-Jan. 1.....	1	1	
	Jan. 2-Jan. 31.....	2	2	
	Feb. 5-Feb. 19.....	2	1	
	Aug. 10.....	.....	1	From steamer Darien.
St. Andrew.....	Dec. 19-Jan. 1.....	1	.....
St. Catherine.....	Feb. 27-Mar. 5.....	1	1	
	Dec. 19-Jan. 1.....	1	.....
St. Elizabeth.....	Dec. 19-Jan. 1.....	1	1	
Mexico:				
Jimenez.....	Sept. 28.....	.....	.....	Yellow fever reported.
	Aug. 2.....	.....	.....	Do.
	Oct. 25.....	.....	.....	D.
Tampico.....	July 17-July 24.....	15	7	
	July 24-July 31.....	.....	9	
	Aug. 1-Sept. 4.....	.....	122	Reported epidemic August 6.
	Sept. 5-Oct. 2.....	.....	61	
	Oct. 3-Oct. 16.....	.....	19	
Vera Cruz.....	July 9.....	.....	.....	1 case reported.
	Aug. 14-Sept. 15.....	.....	23	
	Sept. 22-Oct. 6.....	.....	16	

Cholera, yellow fever, plague, smallpox, etc.—Continued.

YELLOW FEVER—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
Santo Domingo:				
Santo Domingo.....	May 7-May 14...	1	1	
San Salvador.....	June 4.....	34	8	Yellow fever reported.
	July 2.....	5	2	
	July 10-Aug. 7...	33	6	
West Indies:				
Curacoa	June 4.....	10	1	On H. M. S. Atkmaar. Patients taken to quarantine hospital.
Yucatan:				
Merida.....	July 8.....			Yellow fever reported.

PLAGUE.

Arabia:				
Aden.....	July 28.....	1	1	Patient removed from steamship Carthage from Bombay.
Djiddah.....	Mar. 22-Apr. 16.....		34	
Nuslah.....	Mar. 1-Mar. 25.....	1		
China:				
Amoy.....	June 11.....			Plague reported. June 14, 20 deaths a day. Under date of June 14, the United States consul reports that in Amoy and three adjacent cities the deaths amount to "not less than 100 daily."
Canton.....	Mar. 22-Apr. 5.....	10		
Hongkong.....	Nov. 7-Nov. 20.....	2	2	
	Dec. 18-Jan. 1.....	2	2	
	Jan. 2-Jan. 29.....	6	5	
	Jan. 30-Feb. 26.....	64	56	
	Feb. 27-Apr. 30.....	596	529	
	Apr. 30-May 28.....	518	443	
	June 1-June 14.....	131	91	
	June 4-June 25.....		134	
	June 26-July 16.....		17	
	Aug. 7-Aug. 13.....	1		
	Aug. 27-Sept. 3.....	1	1	
Swatow.....	Mar. 25.....			Do.
Macao.....	Apr. 9.....			Do.
Shanghai.....	Apr. 23.....			On ss. Glenturret, in quarantine.
Egypt:				
Suez.....	May 5.....			1 case plague on ss. Mahale.
India:				
Bombay.....	Nov. 24-Nov. 30.....		70	
	Dec. 1-Feb. 8.....		4,833	
	Feb. 9-Mar. 1.....		3,436	
	Mar. 2-Mar. 29.....		4,579	
	Mar. 30-May 17.....		2,731	
	June 1-June 23.....		94	
	July 5-July 26.....		122	
	July 27-Aug. 30.....		467	
	Sept. 14-Sept. 20.....		126	
Calcutta.....	Apr. 25-May 4.....	25	12	Plague reported. "Sporadic." May 28.
	June 25-July 30.....		48	
	July 31-Sept. 8.....		27	
	Sept. 4-Sept. 10.....		7	
Japan:				
Higo.....	May 19-June 5.....	1	1	In quarantine on steamship Peru.
Osaka and Higo.....	May 21-May 23.....	1	1	
Taiwan, Formosa.....	Dec. 28-Apr. 23.....	505	84	
Formosa Ports (Taipeh-Tainan, and Taiwan.)	Apr. 29-June 15.....	2,338	1,483	
Yokohama.....	Mar. 1-Apr. 11.....	2	1	
Nagasaki.....	June 6-June 15.....	1	1	In quarantine steamship Hikozan Maru.
Karachi.....	Apr. 6-Apr. 12.....	51	31	
Russia:				
St. Petersburg.....	Mar. 26-Apr. 2.....		1	
	Aug. 13.....		1	

Cholera, yellow fever, plague, smallpox, etc.—Continued.

SMALLPOX.

Places.	Date.	Cases.	Deaths.	Remarks.	
Africa:					
Cape Colony	Sept. 3.....			Smallpox reported.	
Natal.....	Sept. 3.....			Do.	
Pretria.....	Sept. 3.....			Do.	
Australia:					
Sydney.....	June 1-June 30...	1			
Belgium:					
Antwerp.....	May 1-May 7... June 4-June 11... July 31-Aug. 6... Aug. 13-Aug. 20... June 4-June 11... May 7-May 14... July 9-July 30... Sept. 10-Sept. 17... July 23-July 30... Aug. 13.....	2 3 1 2 1 1 4 1 1 1	2 2 1 1 1 1 1 1 1		
Brussels.....	June 4-June 11...	1			
Ghent.....	May 7-May 14... July 9-July 30... Sept. 10-Sept. 17... July 23-July 30... Aug. 13.....	1 4 1 1 1			
Liege.....	Sept. 10-Sept. 17... July 23-July 30... Aug. 13.....	1 1 1			
Bohemia:					
Prague.....	Dec. 12-Jan. 1... Jan. 2-May 14... June 11-June 18...	11 151 5			
Brazil:					
Bahia.....	June 11-June 25... Aug. 23-Sept. 24...	17 116			
Ceara.....	Mar. 1-Mar. 31...		17		
Montevideo.....	May 14-May 21...	1	10		
Pernambuco.....	Dec. 1-Dec. 25... Apr. 15-Apr. 23... Nov. 21-Dec. 4... Dec. 5-Jan. 1... Jan. 1-Apr. 8... July 1-July 29... Feb. 1-July 29...	1 10 9 2 11 40	8 1 1 1 13		
Rio de Janeiro.....	Dec. 16-Jan. 30...	32	10		
Sao Paulo.....	Dec. 16-Jan. 30...	32	10		
Sorocaba.....	Dec. 16-Jan. 30...	32	10		
British Columbia:					
Vancouver.....	June 14.....	9			
Victoria.....	May 9.....	1			
Canada:					
Halifax.....	May 14-May 28...	6			
Maisonneuve.....	Jan. 26-Feb. 16...	3			
Montreal.....	Jan. 3-Jan. 12... Feb. 11-Feb. 16...	3 1	0		
China:					
Hongkong.....	Nov. 7-Dec. 4... Dec. 5-Jan. 1... Jan. 2-Apr. 30... May 1-May 14... May 28-June 18...	6 11 194 4 3	4 8 113 4 2		
Cuba:					
Cardenas.....	Dec. 19-Jan. 22... Mar. 6-Mar. 27... Dec. 20-Jan. 2... Jan. 3-Jan. 23... Feb. 7-Feb. 27... Feb. 28-Apr. 3... Dec. 17-Apr. 7... Sept. 1-Sept. 15... Jan. 20-Feb. 23... Feb. 18-Apr. 7... Dec. 19-Jan. 29... Jan. 30-Feb. 26... Feb. 27-Apr. 4...	5 8 7 19 35 9 154 65 8 3 238 470 437			
Cienfuegos.....	Dec. 19-Jan. 22... Mar. 6-Mar. 27... Dec. 20-Jan. 2... Jan. 3-Jan. 23... Feb. 7-Feb. 27... Feb. 28-Apr. 3... Dec. 17-Apr. 7... Sept. 1-Sept. 15... Jan. 20-Feb. 23... Feb. 18-Apr. 7... Dec. 19-Jan. 29... Jan. 30-Feb. 26... Feb. 27-Apr. 4...	5 8 7 19 35 9 154 65 8 3 238 470 437			
Habana.....	Dec. 19-Jan. 22... Mar. 6-Mar. 27... Dec. 20-Jan. 2... Jan. 3-Jan. 23... Feb. 7-Feb. 27... Feb. 28-Apr. 3... Dec. 17-Apr. 7... Sept. 1-Sept. 15... Jan. 20-Feb. 23... Feb. 18-Apr. 7... Dec. 19-Jan. 29... Jan. 30-Feb. 26... Feb. 27-Apr. 4...	5 8 7 19 35 9 154 65 8 3 238 470 437			
Gibara.....	Dec. 19-Jan. 22... Mar. 6-Mar. 27... Dec. 20-Jan. 2... Jan. 3-Jan. 23... Feb. 7-Feb. 27... Feb. 28-Apr. 3... Dec. 17-Apr. 7... Sept. 1-Sept. 15... Jan. 20-Feb. 23... Feb. 18-Apr. 7... Dec. 19-Jan. 29... Jan. 30-Feb. 26... Feb. 27-Apr. 4...	5 8 7 19 35 9 154 65 8 3 238 470 437			
Matanzas.....	Dec. 19-Jan. 22... Mar. 6-Mar. 27... Dec. 20-Jan. 2... Jan. 3-Jan. 23... Feb. 7-Feb. 27... Feb. 28-Apr. 3... Dec. 17-Apr. 7... Sept. 1-Sept. 15... Jan. 20-Feb. 23... Feb. 18-Apr. 7... Dec. 19-Jan. 29... Jan. 30-Feb. 26... Feb. 27-Apr. 4...	5 8 7 19 35 9 154 65 8 3 238 470 437			
Regla.....	Dec. 19-Jan. 22... Mar. 6-Mar. 27... Dec. 20-Jan. 2... Jan. 3-Jan. 23... Feb. 7-Feb. 27... Feb. 28-Apr. 3... Dec. 17-Apr. 7... Sept. 1-Sept. 15... Jan. 20-Feb. 23... Feb. 18-Apr. 7... Dec. 19-Jan. 29... Jan. 30-Feb. 26... Feb. 27-Apr. 4...	5 8 7 19 35 9 154 65 8 3 238 470 437			
Sagua la Grande.....	Dec. 19-Jan. 22... Mar. 6-Mar. 27... Dec. 20-Jan. 2... Jan. 3-Jan. 23... Feb. 7-Feb. 27... Feb. 28-Apr. 3... Dec. 17-Apr. 7... Sept. 1-Sept. 15... Jan. 20-Feb. 23... Feb. 18-Apr. 7... Dec. 19-Jan. 29... Jan. 30-Feb. 26... Feb. 27-Apr. 4...	5 8 7 19 35 9 154 65 8 3 238 470 437			
England:					
Bristol.....	Feb. 6-Feb. 19... July 16-July 23... Mar. 19-Apr. 9... Jan. 15-Jan. 29... Feb. 1-Apr. 2... Feb. 27-Mar. 26... June 4-June 25... Aug. 21-Sept. 17... Feb. 9..... Mar. 19-June 18... June 25-July 2... Jan. 8-Feb. 12... June 18-June 25... Sept. 10-Sept. 17...	1 1 6 3 6 4 1 9 90 13 1 2 2 5	4 4 3 3 1 1 1 1 2 2 3 2 3 5		
Leeds.....	Feb. 6-Feb. 19... July 16-July 23... Mar. 19-Apr. 9... Jan. 15-Jan. 29... Feb. 1-Apr. 2... Feb. 27-Mar. 26... June 4-June 25... Aug. 21-Sept. 17... Feb. 9..... Mar. 19-June 18... June 25-July 2... Jan. 8-Feb. 12... June 18-June 25... Sept. 10-Sept. 17...	1 1 6 3 6 4 1 9 90 13 1 2 2 5	4 4 3 3 1 1 1 1 2 2 3 2 3 5		
Liverpool.....	Feb. 6-Feb. 19... July 16-July 23... Mar. 19-Apr. 9... Jan. 15-Jan. 29... Feb. 1-Apr. 2... Feb. 27-Mar. 26... June 4-June 25... Aug. 21-Sept. 17... Feb. 9..... Mar. 19-June 18... June 25-July 2... Jan. 8-Feb. 12... June 18-June 25... Sept. 10-Sept. 17...	1 1 6 3 6 4 1 9 90 13 1 2 2 5	4 4 3 3 1 1 1 1 2 2 3 2 3 5		
London.....	Feb. 6-Feb. 19... July 16-July 23... Mar. 19-Apr. 9... Jan. 15-Jan. 29... Feb. 1-Apr. 2... Feb. 27-Mar. 26... June 4-June 25... Aug. 21-Sept. 17... Feb. 9..... Mar. 19-June 18... June 25-July 2... Jan. 8-Feb. 12... June 18-June 25... Sept. 10-Sept. 17...	1 1 6 3 6 4 1 9 90 13 1 2 2 5	4 4 3 3 1 1 1 1 2 2 3 2 3 5		
Middlesborough.....	Feb. 6-Feb. 19... July 16-July 23... Mar. 19-Apr. 9... Jan. 15-Jan. 29... Feb. 1-Apr. 2... Feb. 27-Mar. 26... June 4-June 25... Aug. 21-Sept. 17... Feb. 9..... Mar. 19-June 18... June 25-July 2... Jan. 8-Feb. 12... June 18-June 25... Sept. 10-Sept. 17...	1 1 6 3 6 4 1 9 90 13 1 2 2 5	4 4 3 3 1 1 1 1 2 2 3 2 3 5		
Newcastle on Tyne.....	Feb. 6-Feb. 19... July 16-July 23... Mar. 19-Apr. 9... Jan. 15-Jan. 29... Feb. 1-Apr. 2... Feb. 27-Mar. 26... June 4-June 25... Aug. 21-Sept. 17... Feb. 9..... Mar. 19-June 18... June 25-July 2... Jan. 8-Feb. 12... June 18-June 25... Sept. 10-Sept. 17...	1 1 6 3 6 4 1 9 90 13 1 2 2 5	4 4 3 3 1 1 1 1 2 2 3 2 3 5		
Southampton.....	Feb. 6-Feb. 19... July 16-July 23... Mar. 19-Apr. 9... Jan. 15-Jan. 29... Feb. 1-Apr. 2... Feb. 27-Mar. 26... June 4-June 25... Aug. 21-Sept. 17... Feb. 9..... Mar. 19-June 18... June 25-July 2... Jan. 8-Feb. 12... June 18-June 25... Sept. 10-Sept. 17...	1 1 6 3 6 4 1 9 90 13 1 2 2 5	4 4 3 3 1 1 1 1 2 2 3 2 3 5		Removed from vessels. Do.

Cholera, yellow fever, plague, smallpox, etc.—Continued.

SMALLPOX—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
England—Continued.				
South Shields.....	May 7-May 14...	1	.....
Sunderland.....	Dec. 18-Jan. 8	1	.....
	Feb. 27-Mar. 26	4	.....
	June 11-June 18	1	.....
West Hartlepool.....	Jan. 9-Jan. 22	5	.....
France:				
Marseilles.....	May 1-May 31	1	1	
Nantes.....	July 1-July 31	.....	1	
Paris.....	July 2-July 9	.....	1	
	July 31-Aug. 6	.....	1	
Germany:				
Bremen.....	Apr. 23-May 14	2	.....
Hamburg.....	Mar. 6-Mar. 12	2	.....
	July 16-July 23	1	.....
Gibraltar.....	Dec. 6-Dec. 12	1	.....
	Dec. 27-Apr. 3	6	.....
	Sept. 12-Sept. 25	2	.....
Honduras:				
Tegucigalpa.....	July 9-July 23	2	.....
India:				
Bombay.....	Feb. 9-May 24	.....	32	
	June 20-June 28	.....	3	
	July 5-July 12	.....	1	
	Aug. 2-Aug 30	.....	3	
Calcutta.....	Dec. 19-Dec. 25	.....	1	
	Jan. 30-May 28	.....	56	
	June 4-June 11	.....	2	
	June 25-July 16	.....	5	
	Aug. 21-Sept. 3	.....	1	
	Sept. 4-Sept. 10	.....	1	
Madras.....	Nov. 27-Dec. 3	.....	1	
	Dec. 4-Dec. 31	.....	3	
	Jan. 1-Jan. 28	.....	6	
	Jan. 29-Feb. 4	.....	6	
	Feb. 5-Apr. 22	.....	66	
	Apr. 30-May 20	.....	12	
	May 20-May 27	.....	2	
	July 22-July 29	.....	1	
	Aug. 6-Sept. 2	.....	4	
	Sept. 3-Sept. 16	.....	3	
Singapore.....	Mar. 1-Mar. 31	.....	1	
	Aug. 1-Aug. 31	.....	1	
Italy:				
Messina.....	Dec. 12-Jan. 8	.....	5	
	Jan. 30-May 21	.....	5	
Japan:				
Aichi Ken.....	Dec. 28-June 5	9	1	
	June 27-July 27	4	.....
	Sept. 20-Sept. 29	1	.....
Akita Ken.....	Dec. 28-June 5	18	4	
	June 27-July 27	4	2	
	Aug. 17-Sept. 11	53	16	
Awomori Ken.....	Dec. 28-Aug. 16	244	39	
	Aug. 17-Sept. 29	64	21	
Chiba Ken.....	Dec. 28-Apr. 10	9	.....
	June 27-July 27	1	.....
Formosa.....	Feb. 4-Mar. 3	7	4	
Fukui Ken.....	Dec. 28-Feb. 3	1	.....
Fukuoka Ken.....	Mar. 24-June 5	6	.....
Fukushima Ken.....	Dec. 28-Aug. 16	151	39	
Gifu Ken.....	Feb. 4-Feb. 22	1	.....
Gumma Ken.....	Feb. 4-Feb. 22	1	.....
Hiogo.....	Apr. 29-June 5	3	.....
	June 27-July 27	6	1	
Hiroshima Ken.....	Jan. 22-Feb. 3	1	.....
Ishikawa Ken.....	Apr. 29-May 19	2	.....
	Sept. 12-Sept. 19	1	.....
Iwate Ken.....	Dec. 28-June 5	47	10	
	June 27-July 27	4	2	
Kagoshima Ken.....	Feb. 4-Feb. 22	1	.....
Kanagawa Ken.....	Dec. 28-Jan. 21	3	.....
	June 27-July 27	1	.....
Kioto Fu.....	Apr. 29-May 19	1	.....
Kochi Ken.....	Dec. 28-Jan. 21	1	.....
Miyagi Ken.....	Dec. 17-July 27	107	27	
Miyazaki Ken.....	Jan. 22-Feb. 3	3	1	
	Apr. 29-June 5	96	7	
	June 16-June 26	1	.....

Cholera, yellow fever, plague, smallpox, etc.—Continued.

SMALLPOX—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
Japan—Continued.				
Nagano Ken.....	Feb. 4-Mar. 28...	9	5	
	Apr. 29-May 19...	1	.....
Nagasaki Ken.....	Jan. 22-Mar. 23...	4	1	
	Apr. 29-May 19...	1	.....
Nara.....	Apr. 29-May 19...	1	.....
Niigata Ken.....	Mar. 4-Mar. 23...	4	1	
	June 16-June 26...	1	.....
Oita Ken.....	July 28-Aug. 16...	1	.....
Okayama Ken.....	Feb. 4-Apr. 10...	3	1	
	June 16-June 26...	1	.....
Osaka Fu.....	Dec. 28-June 5...	4	.....
	June 27-July 27...	1	.....
Oyama Ken.....	Mar. 4-Mar. 23...	1	.....
Saitama Ken.....	Dec. 17-Dec. 27...	1	.....
Shizuoka Ken.....	Apr. 29-May 19...	2	1	
Shiga Ken.....	May 19-June 26...	3	.....
Tohigo Ken.....	Mar. 24-Apr. 10...	1	.....
Tokyo Fu.....	Dec. 28-Mar. 23...	6	.....
	June 16-July 27...	9	.....
	Sept. 20-Sept. 29...	1	.....
Tokushima Ken.....	Apr. 29-June 5...	3	.....
Tottori.....	June 6-June 15...	1	.....
Yamagata Ken.....	Jan. 22-Aug. 16...	48	9	
	June 27-July 27...	4	1	
	Aug. 17-Sept. 29...	8	.....
Yamaguchi Ken.....	Feb. 4-Apr. 23...	10	1	
Yamanashi Ken.....	Mar. 24-Apr. 23...	5	1	
	June 27-July 27...	4	1	
Yehime Ken.....	Dec. 17-Apr. 10...	59	13	
	Apr. 29-June 26...	12	.....
The Hokkaido.....	Dec. 17-June 15...	510	142	
	July 28-Sept. 29...	4	2	
Mexico:				
Nogales.....	May 13.....	4	.....
Norway:				
Christiania.....	Mar. 20-May 21...	19	2	
	July 2-July 23...	9	1	
	July 31-Aug. 13...	4	.....
	Aug. 13-Aug. 20...	1	1	
	Aug. 20-Aug. 27...	1	.....
	June 4-June 11...	3	.....	At quarantine hospital.
Netherlands:				
Amsterdam.....	Dec. 12-Dec. 24...	1	.....
Rotterdam.....	Dec. 12-Dec. 31...	3	1	
	Jan. 1-Jan. 29...	1	.....
Russia:				
Moscow.....	Nov. 29-Dec. 4...	1	1	
	Dec. 5-Dec. 11...	1	1	
	Jan. 1-May 14...	63	17	
	May 21-May 28...	4	2	
	June 4-July 9...	30	11	
	July 23-July 30...	2	2	
	Aug. 27-Sept. 24...	40	3	
Odessa.....	Dec. 5-Jan. 1...	53	9	
	Jan. 2-Jan. 29...	34	7	
	Jan. 30-July 3...	.....	21	
	July 23-Aug. 6...	7	2	
	Aug. 13-Oct. 1...	18	1	
St. Petersburg.....	Dec. 4-Dec. 25...	35	13	
	Jan. 9-Jan. 29...	56	19	
	Jan. 30-July 30...	.....	80	
	Aug. 6-Aug. 27...	3	.....
	Aug. 28-Sept. 3...	6	2	
	Sept. 4-Sept. 24...	8	5	
Warsaw.....	Dec. 19-May 28...	.....	136	
	June 4-June 18...	.....	15	
	June 25-July 23...	.....	22	
	Aug. 1-Aug. 8...	.....	6	
	Aug. 13-Aug. 20...	.....	3	
	Sept. 3-Oct. 1...	.....	27	
Scotland:				
Edinburgh.....	Apr. 16-Apr. 30...	2	.....
Glasgow.....	Dec. 5-Dec. 25...	3	1	
Leith.....	Apr. 3-Apr. 30...	2	1	
Spain:				
Corunna.....	Jan. 1-Feb. 5...	.....	2	
Madrid.....	Dec. 22-Dec. 28...	.....	1	
	Feb. 8-Apr. 6...	.....	3	

Cholera, yellow fever, plague, smallpox, etc.—Continued.

SMALLPOX—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
Straits Settlements:				
Singapore.....	June 1-June 30.....		3	
Turkey:				
Constantinople.....	Jan. 10-Feb. 6.....		53	
	Feb. 28-May 8.....		94	
	Sept. 5-Sept. 25.....		17	
Uruguay:				
Montevideo.....	Dec. 25-Mar. 19.....	5		
	May 1-May 7.....		1	
	June 19-June 26.....	1		
	July 9-July 16.....		2	
	July 30-Aug. 6.....	1		
Venezuela:				
Caracas.....	June 7-July 25.....			More than 150 cases in the city.
Puerto Cabello.....	Apr. 2-Apr. 11.....	23	6	Smallpox increasing, June 7, 1898.
Valencia.....	Apr. 2-Apr. 11.....	54		July 23, about 1,000 cases.
Wales:				
Cardif.....	To Aug. 21.....	2,000	600	
	Dec. 18-Dec. 24.....	1		

Current quarantine measures.

[Report on recent constructions at the quarantine station of Camaran in the Red Sea—Translation in this Bureau from official report.]

The committee on construction at the lazaretto at Camaran reported the result of its labors on March 17, 1898, and later presented a supplementary report at the session of the council held August 20, 1898. The basis of the report was a statement drawn up by Engineer Roulet under direction of Dr. Stieповich, secretary of the superior council of health, detailed for service at Camaran. This statement covered the work executed at Camaran up to May 25 of the current year. The work comprised: Six hospitals; 12 houses for persons of rank; 1 building for machinery, with 1 annex and accommodations for engineers, apparatus for distilling sea water, ice plant, steam saw, repairing shop, etc.; 1 building for the accommodation of the personnel, officers, pharmacy, and for storage; 5 small houses for lodgings for guards; 1 water tower with ice house in its lower portion; 1 building to accommodate the steam plant, brick, tiles, plaster mill, and large storeroom; 8,000 meters (about) of railway laid; 2 cisterns cut in the rock and reservoirs with a capacity of more than 4,000 tons; 2 conduits of fresh water which supply the cisterns; 1 conduit for supplying fresh water to vessels at the Mervani jetty; 1 conduit supplied from the wells on the main road, with cisterns and filters at the wells; 47 pavilions for latrines, with 24 sinks and 94 basins; 1 steam brick and tile plant with drying spaces; 1 plaster workshop with crusher; inclosed spaces for storage; lodgings for workmen.

The lazaretto of Camaran is arranged to receive 4,000 pilgrims at one time, but the present buildings and those which it is proposed to erect will accommodate 6,000. The following is a brief description of the work completed and in place:

(1) A large structure which accommodates the inspector and physicians and contains offices, a pharmacy, and a storeroom for supplies. It is a brick building on a stone foundation. On the ground floor are the offices, pharmacy, and supply department. Above, on the first floor, are the apartments of the inspector and the eight physicians, and the bathrooms. The building is surrounded by a veranda, forming a cir-

cular gallery 3 meters wide, on the ground floor and first story, and affording complete shelter from the sun. The plan of construction adopted secures perfect ventilation and prevents suffering from heat. To the northeast of the building is a pavilion containing latrines.

(2) Five small brick buildings roofed with wood and tiles, each being 9 meters in length and 4 in width. Two of these buildings are used, one as a workshop for the manufacture of cement blocks, the other for the manufacture of sewer pipes. The first contains a hydraulic press, the second molds and models for tubing.

(3) Machine house. This building is 25 meters long by 20 wide and 12 high. It is constructed entirely of stone, the walls being 0.80 and 60 centimeters thick. The roof is iron, covered with brick. Ventilation is so carefully provided for that the temperature in the sections containing the distilling apparatus is lower than in the offices. On the south side of the building is an annex, 10 meters long by 7 wide, containing a "Mirrless" generator, a forge, and a repair shop. The machines are installed on the ground floor of the building, and comprise a refrigerating plant, pressure pumps, condenser, receivers for fresh and sea water, for use in condensing sulphuric acid, apparatus for the distillation of sea water (yarrand), a De Naeyer generator, a steam engine of 40 horsepower, a pump for feeding the two water receivers, and a steam saw. All the plant is worked by a transmitter set in motion by the motor attached to the ice plant. The kitchen opens on a wide and airy corridor. On the east and west fronts is a veranda 2 meters wide. On an elevation of 5 meters on the north front is a magnetic filter, through which water passes to the conduits. In the courtyard of the machine house is a small structure to receive kitchen refuse.

(4) A stone building constructed on a small hill overlooking the machine house and serving as a water tower and ice house. It contains 8 reservoirs of fresh water of 140 tons capacity and an ice machine of 60 tons capacity. The building is 16 meters long by 10 wide and the walls are more than 3 meters thick. All the buildings at Camaran are whitewashed as a protection against contact with the air, which would otherwise disintegrate the brick and stone.

The delegate of England, Dr. E. D. Dickson, protested against the establishment of a bacteriological laboratory at Camaran not only on account of the expense which it would entail but because in the present status of our knowledge of bacteriology a laboratory of bacteriology would in many cases furnish diagnoses at variance with the clinical symptoms observed and thus embarrass the regular course of restrictive measures in force at the lazaretto.

BARBADOS.

Quarantine measures in West Indies against smallpox and yellow fever.

BARBADOS, October 1, 1898.

SIR: I have to report as follows:

(1) This colony has imposed quarantine against the whole of Venezuela, and in addition, quarantine is in force here against Bahia, Cuba, Para, Rio Janeiro, and Santos.

(2) Guadeloupe has imposed a quarantine of nine days against Puerto Rico and New Orleans for yellow fever.

(3) The Leeward Islands have imposed quarantine against Laguayra.

(4) St. Thomas has imposed a quarantine of fifteen days against Margarita for smallpox, and five days against Vera Cruz and Tampico (Mexico), for yellow fever.

(5) St. Vincent has imposed quarantine against Curaçoa, Margarita, and Colon. The administrator reported on 30th ultimo the health of that colony to be good, with the exception of diseases in consequence of injuries and exposure.

(6) The chairman of the St. Lucia quarantine board has kindly furnished the following reports since my circular of August 18 last:

Bahia: For the fourteen days prior to August 25, 5 cases yellow fever and 19 cases smallpox. For the fourteen days prior to September 10, 18 cases smallpox.

Buenos Ayres: To September 13, clean bills of health.

Montevideo: For the fortnight ended September 13, 1 case smallpox.

Rio Janeiro: For the fourteen days prior to August 27, 29 cases, 19 deaths, yellow fever; 3 cases, 1 death, smallpox. For the fortnight ended September 13, 20 cases, 14 deaths, yellow fever.

Santos: For the fourteen days prior to August 30, a few sporadic cases of yellow fever ashore. For the fortnight ended September 13, clean bill of health.

Victoria: For the fourteen days prior to August 25, clean bill of health.

The public health here is, I am glad to say, very good.

I have the honor to be, sir, your obedient servant,

JAS. SANDERSON,
Clerk, Quarantine Board.

The SUPERVISING SURGEON-GENERAL,
U. S. Marine-Hospital Service.

CUBA.

Deaths in Habana from January 1 to October 13, 1898.

HABANA, CUBA, October 13, 1898.

SIR: I have the honor to transmit the following statistical table, showing the principal causes of death and total deaths occurring in Habana, Cuba, from January 1 to October 13, inclusive.

Very respectfully,

W. F. BRUNNER,
Sanitary Inspector, U. S. M. H. S.

The SUPERVISING SURGEON-GENERAL,
U. S. Marine-Hospital Service.

Mortality of the city of Habana from January 1 to October 13, inclusive.

Diseases.	January.	February.	March.	April.	May.	June.	July.	August.	September.	Up to October 13.	Total.
Yellow fever.....	10	2	3	2	3	3	18	20	23	17	101
Enteric fever.....	67	31	48	45	43	57	87	127	136	69	710
Pernicious fever.....	39	35	24	14	11	9	41	41	38	57	309
Malarial fever.....	52	53	45	33	38	28	36	105	117	145	652
Dysentery.....	157	119	122	121	115	73	89	104	107	45	952
Enteritis.....	337	270	267	220	209	183	209	302	286	125	2,408
Diphtheria.....	.....	2	3	1	.....	1	2	1	2	.....	12
Smallpox.....	31	56	58	14	10	8	1	6	2	.....	186
Beriberi.....	4	1	.....	1	.....	.....	2	.....	1	.....	9
Leprosy.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Glanders.....	.....	1	2	.....	2	1	1	1	.....	.....	8
Starvation.....	26	2	6	10	15	12	37	49	44	.....	201
Pneumonia.....	32	24	30	41	23	19	26	25	21	14	255
Tuberculosis.....	255	233	253	209	255	190	232	247	258	111	2,243
Total of deaths.....	1,763	1,537	1,456	1,315	1,271	1,127	1,362	1,727	1,638	1,014	14,210

Sanitary report from Habana.

HABANA, CUBA, *October 21, 1898.*

SIR: The following report for the week ended Thursday, October 20, is respectfully submitted:

The temperature for the past week has been intolerably warm; the rainfall has been excessive, especially during the past three days, when certainly more than 5 inches must have fallen, the downpour extending into the nights, which does not often occur here.

The neglect of sanitary matters still continues; the streets and public markets reek with filth, and the paved streets need repairs to prevent the collection of storm water and surface filth.

There were 6 deaths from yellow fever, which are three less than the preceding week; 4 of these deaths occurred among the Spanish soldiers.

One of the deaths was credited to borras fever which, in my opinion, is fatal yellow fever among the Cubans.

There was a slight falling off in all the other fevers prevailing here, and the total deaths show a decided decrease.

The 2 deaths from beriberi occurred among the Chinese population.

The American bark *Maryland* reported by letter and cable as being infected with yellow fever is still in port, but is ready to leave for Baltimore after proceeding to Tortugas, for disinfection.

While there are not many known cases of yellow fever, yet on account of the extremely hot weather and the continuance of the rainy season, I would recommend that the close of quarantine season be extended from November 1 to November 15.

Very respectfully,

W. T. BRUNNER,

Sanitary Inspector, U. S. M. H. S.

The SUPERVISING SURGEON-GENERAL,

U. S. Marine-Hospital Service.

Mortality of the city of Habana for the week ended Thursday, October 20, 1898.

Cause of death.	Total.
Yellow fever.....	6
Enteric fever.....	28
Malarial fever.....	75
Pernicious fever.....	29
Smallpox.....	0
Enteritis.....	72
Dysentery.....	26
Tuberculosis.....	66
Pneumonia.....	1
Beriberi.....	2
Deaths from all causes.....	513
Deaths in military hospitals from yellow fever.....	4
Deaths in the city from yellow fever.....	2
Annual ratio per 1,000.....	133.35

HAWAIIAN ISLANDS.

Surgeon Carmichael enters on his duties as sanitary inspector at Honolulu.

HONOLULU, H. I., *October 1, 1898.*

SIR: Referring to the Department's instructions No. 40, of August 20 last, informing me of the detail by the President of Surgeon D. A. Carmichael to serve as sanitary inspector in this office, I have the honor to inform you that Dr. Carmichael arrived this morning by the *Australia*.

I have introduced him to the president of the board of health, and he has started in to relieve me of all labor in connection with the clearing and issuing of bills of health to vessels going to American ports.

Until Dr. Carmichael becomes thoroughly familiar with his duties here, it will afford me much pleasure to do everything I can to aid him.

Very respectfully, yours,
Hon. ASSISTANT SECRETARY OF STATE.

WM. HAYWOOD,
Consul-General.

JAPAN.

Sanitary report from Yokohama.

SIR: I have the honor to forward herewith my regular report of infectious disease in Japan for period September 12 to September 19, inclusive. (Report for September 20-29 also included.)

Beyond the continued prevalence of epidemic dysentery, there is nothing in the present sanitary condition of the country demanding special attention.

I am, sir, very respectfully, your obedient servant,

STUART ELDRIDGE, M. D.,
Sanitary Inspector, U. S. M. H. S.

The SUPERVISING SURGEON-GENERAL,
U. S. Marine-Hospital Service.

Report of infectious disease in Japan from September 12 to September 19, 1898.

Locality.	Cholera.		Dysentery.		Smallpox.		Plague.	
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Kioto Fu.....			93	16				
Osaka Fu.....			114	21				
Tokyo Fu.....	2	1	242	60				
Aichi Ken.....			151	34				
Akita Ken.....			38	6				
Awamori Ken.....			48	10	9	3		
Chiba Ken.....			126	23				
Fukui Ken.....			64	17				
Fukuoka Ken.....			54	7				
Fukushima Ken.....			193	28				
Gifu Ken.....			171	50				
Gumma Ken.....			239	94				
Hogo Ken.....			231	63				
Hiroshima Ken.....			182	51				
Ibaraki Ken.....			216	60				
Ishikawa Ken.....			69	14	1			
Iwate Ken.....			73	9				
Kagawa Ken.....			123	37				
Kagoshima Ken.....			145	40				
Kanagawa Ken.....	1		192	44				
Kochi Ken.....			76	12				
Kumamoto Ken.....			108	27				
Miyagi Ken.....			130	24				
Miyazaki Ken.....			36	4				
Miye Ken.....			35	21				
Nagano Ken.....			1,093	255				
Nagasaki Ken.....			60	22				
Nara Ken.....			27	8				
Nilgata Ken.....			1,202	227				
Oita Ken.....			48	12				
Okayama Ken.....			205	54				
Okinawa Ken.....			4	2				
Saga Ken.....			28	13				
Saitama Ken.....			150	61				
Shizuoka Ken.....			328	89				
Shiga Ken.....			32	9				
Shimane Ken.....			339	73				
Tochigi Ken.....			83	15				
Tokushima Ken.....			164	55				
Tottori Ken.....			90	24				
Toyama Ken.....			51	10				
Wakayama Ken.....			51	13				
Yamagata Ken.....			10	2	7			
Yamaguchi Ken.....			85	24				
Yamanashi Ken.....			661	161				
Yehime Ken.....			91	27				
The Hokkaido.....			3	2				
Taiwan (Formosa).....			(a)					
Total.....	3	1	7,962	1,932	17	3		

a No report.

Report of infectious disease in Japan from September 20 to September 29, 1898.

Locality.	Cholera.		Dysentery.		Smallpox.		Plague.	
	Cases.	Deaths	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Kioto Fu.....			81	21				
Osaka Fu.....			124	33				
Tokyo Fu.....	2		324	91	1			
Aichi Ken.....			193	38	1			
Akita Ken.....			20	3				
Awomori Ken.....			61	7	2	2		
Chiba Ken.....			254	78				
Fukui Ken.....			59	17				
Fukuoka Ken.....			39	7				
Fukushima Ken.....			243	58				
Gifu Ken.....			249	77				
Gumma Ken.....			315	85				
Hiogo Ken.....			217	52				
Hiroshima Ken.....			170	68				
Ibaraki Ken.....			203	71				
Iahikawa Ken.....			89	26				
Iwate Ken.....			115	14				
Kagawa Ken.....			143	41				
Kagoshima Ken.....			55	12				
Kanagawa Ken.....	1		222	63				
Kochi Ken.....			34	17				
Kumamoto Ken.....			77	21				
Miyagi Ken.....			117	34	1			
Miyazaki Ken.....			27	4				
Miye Ken.....			121	28				
Nagano Ken.....			1,181	293				
Nagasaki Ken.....			69	24				
Nara Ken.....			22	8				
Niigata Ken.....			1,779	436				
Osaka Ken.....			53	12				
Okayama Ken.....			173	61				
Okinawa Ken.....			7	3				
Saga Ken.....			20	5				
Saitama Ken.....			162	69				
Shidzuoka Ken.....			360	107				
Shiga Ken.....			38	10				
Shimane Ken.....			333	114				
Tochigi Ken.....			73	18				
Tokushima Ken.....			156	55				
Tottori Ken.....			69	15				
Toyama Ken.....			44	20				
Wakayama Ken.....			47	15				
Yamagata Ken.....			17	1	1			
Yamaguchi Ken.....			57	17				
Yamanashi Ken.....			616	196				
Yehime Ken.....			79	11				
The Hokkaido.....			5	2	1			
Taiwan (Formosa).....	(a)							
Total.....	3		8,912	2,458	7	2		

a No report.

TURKEY.

Sanitary report from Constantinople.

[Report No. 201.]

CONSTANTINOPLE, TURKEY, October 8, 1898.

SIR: I have the honor to report that besides the epidemic of smallpox, there exist in Constantinople zymotic diseases, cases which are usually met in all the large towns. There are cases of diphtheria as well as of typhoid fever, of whooping cough, of broncho-pneumonia, in children, as well as of diarrhea. The dejections in the latter being yellow, resembling cholera, accompanied with vomiting, sinking of the eyes, and high fever. I have written in my previous reports that the only treatment of said diarrhea is to bathe the little patient in cold water many times during the hot hours of the day.

From the 9th to the 25th of last September, 554 deaths were registered; of these, 2 were from measles, 4 from typhoid fever, 9 from diphtheria, and 17 from smallpox. The latter has, this year, an extraordinary intensity. I have seen a little boy, four years old, who died from confluent smallpox, though vaccinated with good result not long before.

The official sanitary news from the provinces is good. I am glad to state that the sanitary condition of Djiddah is also good in spite of what has been already written. At the last sitting of the International Sanitary Commission, its vice-president announced the acceptance, by the Ottoman Government, of the institution of the sanitary commission of Djiddah, which I have already mentioned in my Report No. 198. The cause of said acceptance is that although the sanitary inspector of Djiddah has stated officially that no plague cases have occurred in Djiddah, and that the one reported by the British vice-consul of the latter town has been found out as not being a plague case; in spite of said statements, the International Sanitary Commission of Alexandria continues to impose a five days' quarantine on arrivals from Djiddah. The Ottoman sanitary representative in said International Sanitary Commission in Alexandria reports having been told by the president of said International Sanitary Commission that the Egyptian Government has given special instructions by which the above-mentioned five days' quarantine has to be maintained. I have the honor to forward a French copy of the above-mentioned declaration of the vice-president of the International Sanitary Commission in Constantinople concerning the acceptance of the institution of the sanitary commission in Djiddah among the members of which there will be appointed two from the members of the sanitary commission of this town. After a long discussion in which the Ottoman members of the above-mentioned commission declared that the members to be appointed must be from the foreign sanitary representatives, it has been decided to submit said question to the consideration of the ambassadors and ministers who have sanitary representatives in said International Sanitary Commission.

SPIRIDION C. ZAVITZIANO,
U. S. Sanitary Commissioner.

STATISTICAL REPORTS.

AUSTRALIA—*New South Wales—Sydney.*—Month of July, 1898. Estimated population, 417,250. Total number of deaths, 630, including diphtheria, 12, and 75 from phthisis pulmonalis.

Month of August, 1898. Estimated population, 417,250. Total number of deaths, 674, including diphtheria, 7; enteric fever, 2; scarlet fever, 7; measles, 98, and 7 from whooping cough.

AUSTRIA—*Cracow.*—Year 1895-96. Estimated population, 74,593. Total number of deaths, 5,629, including diphtheria, 168; enteric fever, 77, scarlet fever and measles, 321; typhus, 15, and 718 from phthisis pulmonalis. No deaths from smallpox were reported. In the preceding year the deaths from smallpox numbered 171.

BAHAMAS—*Dunmore Town.*—Two weeks ended October 17, 1898. Estimated population, 1,472. Total number of deaths, 1. No contagious diseases.

Governors Harbor.—Two weeks ended October 18, 1898. Estimated population, 1,500. Number of deaths not reported. No contagious diseases.

Inagua.—Month of September, 1898. Estimated population, 200. No deaths and no contagious diseases.

Nassau.—Two weeks ended October 15, 1898. Estimated population, 11,000. Number of deaths not reported. No contagious diseases.

FRANCE—*Roubaix.*—Month of September, 1898. Estimated population, 125,595. Total number of deaths, 217, including diphtheria, 1; enteric fever, 1; measles, 1, and 6 from whooping cough.

GERMANY—*Stuttgart.*—Month of August, 1898. Estimated population, 170,692. Total number of deaths, 171, including diphtheria, 2; enteric fever, 2; measles, 1; scarlet fever, 2, and 21 from phthisis pulmonalis.

GREAT BRITAIN—*England and Wales.*—The deaths registered in 33 great towns in England and Wales during the week ended October 1 correspond to an annual rate of 21.8 a thousand of the aggregate population, which is estimated at 11,218,378. The highest rate was recorded in Gateshead, viz, 33.7, and the lowest in Croydon, viz, 13.8.

London.—One thousand seven hundred deaths were registered during the week, including measles, 10; scarlet fever, 10; diphtheria, 33; whooping cough, 29; enteric fever, 9, and diarrhea and dysentery, 247. The deaths from all causes correspond to an annual rate of 19.7 a thousand. In greater London 2,301 deaths were registered, corresponding to an annual rate of 18.7 a thousand of the population. In the "outer ring" the deaths included 17 from diphtheria, 3 from measles, 2 from scarlet fever, and 11 from whooping cough.

Wales—Cardiff.—Two weeks ended October 1, 1898. Estimated population, 177,770. Total number of deaths, 104, including diphtheria, 2; enteric fever, 3, and 1 from whooping cough.

GREAT BRITAIN—*England and Wales.*—The deaths registered in 33 great towns in England and Wales during the week ended October 8 correspond to an annual rate of 20.5 a thousand of the aggregate population, which is estimated at 11,218,378. The highest rate was recorded in Sunderland, viz, 30.4, and the lowest in Croydon, viz, 12.2.

London.—One thousand six hundred and twenty deaths were registered during the week, including measles, 7; scarlet fever, 7; diphtheria, 34; whooping cough, 18; enteric fever, 6, and diarrhea and dysentery, 138. The deaths from all causes correspond to an annual rate of 18.8 a thousand. In greater London 2,165 deaths were registered, corresponding to an annual rate of 17.6 a thousand of the population. In the "outer ring" the deaths included 10 from diphtheria, 2 from measles, 2 from scarlet fever, and 13 from whooping cough.

Ireland.—The average annual death rate represented by the deaths registered during the week ended October 8 in the 23 principal town districts of Ireland was 23.9 a thousand of the population. The lowest

rate was recorded in Carrickfergus, viz, 8.8, and the highest in Sligo, viz, 60.9 a thousand. In Dublin and suburbs 155 deaths were registered, including enteric fever, 2, and whooping cough, 3.

Scotland.—The deaths registered in 8 principal towns during the week ended October 8 correspond to an annual rate of 20.6 a thousand of the population, which is estimated at 1,568,536. The lowest mortality was recorded in Perth, viz, 18.7, and the highest in Dundee, viz, 24.3 a thousand. The aggregate number of deaths registered from all causes was 621, including diphtheria, 7; measles, 7; scarlet fever, 14, and whooping cough, 19.

HONDURUS—Belize.—Two weeks ended October 13, 1898. Estimated population, 13,000. Total number of deaths, 7. No contagious diseases.

INDIA—Singapore.—Month of August, 1898. Estimated population, 97,111. Total number of deaths, 731, including cholera, 1; smallpox, 1; beriberi, 111, and 126 from phthisis pulmonalis.

JAMAICA—Kingston.—Month of September, 1898. Estimated population, 34,314. Total number of deaths, 75, including 9 from phthisis pulmonalis.

MALTA.—Two weeks ended September 15, 1898. Estimated population, 177,745. Total number of deaths, 198, including 4 from enteric fever.

NICARAGUA—San Juan.—Month of September, 1898. Estimated population, 1,156. Total number of deaths, 4. No contagious diseases.

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.	
Amapala.....	Aug. 6.....	1,500	0										
Do.....	Aug. 13.....	1,500	0										
Do.....	Aug. 20.....	1,500	1										
Do.....	Aug. 27.....	1,500	0										
Do.....	Sept. 3.....	1,500	0										
Do.....	Sept. 10.....	1,500	1										
Do.....	Sept. 17.....	1,500	1										
Do.....	Sept. 24.....	1,200	0										
Do.....	Oct. 1.....	1,500	1										
Amsterdam.....	Oct. 10.....	500,889	178										
Belfast.....	Oct. 1.....	304,610	137					18			1	3	4
Do.....	Oct. 8.....	304,610	176					25		1	4	1	2
Belleville.....	Oct. 10.....	10,300	1										
Berlin.....	Sept. 24.....	1,728,201	718							7	16		
Birmingham.....	Oct. 1.....	510,848	229					3		1	2	2	2
Do.....	Oct. 8.....	510,848	194					2		3	3	3	1
Bluefields.....	Sept. 24.....	3,018	1										
Do.....	Oct. 1.....	3,018	2										
Do.....	Oct. 8.....	3,018	4										
Bombay.....	Sept. 20.....	821,764	a 748										
Bradford.....	Oct. 1.....	231,260	97								1		
Do.....	Oct. 8.....	231,260	88					1				1	3
Bremen.....	Oct. 1.....	144,000	62										
Bristol.....	do.....	318,900								1			1
Do.....	Oct. 8.....	318,900	107										3
Brussels.....	Oct. 1.....	551,011	175					2				2	1
Budapest.....	do.....	640,000						5		4	2		
Calcutta.....	Sept. 3.....	681,660	b 371	4						1			1
Do.....	Sept. 10.....	681,660	c 357	5	1								2
Catania.....	Oct. 6.....	108,000	67				1	6					1
Chemnitz.....	Oct. 1.....	172,840	71				1						
Christiania.....	Oct. 8.....	208,337	69							1			
Cognac.....	Oct. 1.....	20,400	6										
Do.....	Oct. 7.....	20,400	5										
Cologne.....	Oct. 1.....	348,836	189					1			1	1	1
Colon.....	Oct. 7.....	8,000	5										
Do.....	Oct. 13.....	8,000	3										
Copenhagen.....	Oct. 1.....	351,000	118								3		2
Dublin.....	do.....	349,594	165				1	4	1				5
Do.....	Oct. 8.....	349,594	155					2					8
Edinburgh.....	Oct. 1.....	295,628	103							2	1	4	
Do.....	Oct. 8.....	295,628	113							1			6
Frankfort on the Main.....	do.....	245,000	68										
Funchal.....	Oct. 2.....	36,982	16										
Ghent.....	Oct. 1.....	161,125	60					1					
Gibraltar.....	Oct. 2.....	25,900	5										
Girgenti.....	Oct. 1.....	21,219	9										
Glasgow.....	Sept. 30.....	724,349	245					6	6	1	1		10
Do.....	Oct. 8.....	724,349	281					10	9	4	4		10
Gothenburg.....	Oct. 1.....	120,852	29										
Halifax.....	Oct. 15.....	38,700	12				1				1		8
Hamburg.....	Oct. 8.....	661,015	265										
Havre.....	Sept. 24.....	119,470	68					4			1	1	1
Hongkong.....	Aug. 13.....	248,710	94										
Do.....	Aug. 20.....	248,710	91										
Do.....	Aug. 27.....	248,710	90										
Do.....	Sept. 3.....	248,710	d 93						1				
Do.....	Sept. 10.....	248,710	103						1				
Honolulu.....	Sept. 17.....	30,000	12						1				
Do.....	Sept. 24.....	30,000	9										
Do.....	Oct. 1.....	30,000	12										
Kingston.....	Oct. 21.....	18,800	6										
Leeds.....	Oct. 8.....	416,618	149					6	1	4			
Leghorn.....	Oct. 2.....	104,372	42					2		1			
Leipzig.....	Sept. 24.....	422,071	197					1	1		1		
Do.....	Oct. 1.....	422,071	207					1		3	1		
Leith.....	do.....	76,277	23									2	
Do.....	Oct. 8.....	76,277	30										
Liege.....	Oct. 1.....	168,150	57										2
Livingston, Gustemala.....	do.....	1,500	1										
Do.....	Oct. 8.....	1,500	3										
Liverpool.....	Oct. 1.....	668,645	550					1	3	2	3	6	4
Do.....	Oct. 8.....	668,645	356					1	5	3	1	7	6
London.....	do.....	6,408,321	2,165					14	9	44	9	31	

a Plague, 126.

b Plague, 3.

c Plague, 7.

d Plague, 1.

MORTALITY TABLE, FOREIGN CITIES—Continued.

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.	
Lyons.....	Sept. 17.....	466,028	167					8					2
Do.....	Oct. 1.....	466,028	147					6					1
Madras.....	Sept. 9.....	452,518	520	62		1							4
Do.....	Sept. 16.....	452,518	490	41		2							2
Manchester.....	Oct. 1.....	541,296	290							1			1
Do.....	Oct. 8.....	541,296	253					4	1	1		4	1
Mannheim.....	Oct. 1.....	109,714	41										
Maracaibo.....	do.....	50,000	10										
Do.....	Oct. 8.....	50,000	16										
Do.....	Oct. 14.....	50,000	2										
Mayence.....	Oct. 1.....	76,984	28										1
Melbourne.....	Sept. 10.....	450,000						1		1			
Do.....	Sept. 17.....	450,000								2			
Messina.....	Oct. 1.....	107,000	38					1					
Do.....	Oct. 8.....	107,000	33										
Moscow.....	Sept. 24.....	1,000,000	467			2	5	3	6	8	2		2
Newcastle on Tyne.....	Oct. 1.....	223,000	108										2
Do.....	Oct. 8.....	223,000	101					6			1		1
Nuremberg.....	Sept. 24.....	190,750	121					2	1				3
Odessa.....	Oct. 1.....	883,000	182				1	11	4	5	3		2
Osaka and Hloga.....	Aug. 20.....	302,912	101										
Do.....	Aug. 27.....	302,912	109					1					
Do.....	Sept. 3.....	302,912	118	1				1					
Palermo.....	Oct. 1.....	300,000	106				1						
Paris.....	do.....	2,511,955	873					8	2	2	3		13
Plymouth.....	Oct. 8.....	99,136	43					1		1	1		
Port au Prince.....	Sept. 4.....	60,000	18										
Do.....	Sept. 11.....	60,000	24										
Do.....	Sept. 18.....	60,000	24										
Do.....	Sept. 25.....	60,000	19										
Do.....	Oct. 2.....	60,000	31										
Prague.....	Oct. 1.....	196,320	101					1	7	2			
Puerto Cortes.....	Oct. 5.....	2,000	0										
Do.....	Oct. 12.....	2,000	0										
Rotterdam.....	Oct. 8.....	304,888	117						1		1		
St. John.....	Oct. 1.....	15,000	19										
St. Stephen, N. B.....	Oct. 8.....	3,000	1										
Do.....	Oct. 15.....	3,000	1										
St. Petersburg.....	Oct. 17.....	1,267,023	547			1		16	14	20	9		13
Do.....	Oct. 24.....	1,267,023	601			4		27	13	22	2		18
Schiedam.....	Oct. 8.....	26,884	9										
Sheffield.....	Oct. 1.....	359,871	174					6	2	1	1		3
Do.....	Oct. 8.....	359,871	170					4	1	4	2		1
Southampton.....	Oct. 1.....	100,886	51					2		3			1
Do.....	Oct. 8.....	100,886	49					3		3	1		1
South Shields.....	Oct. 1.....	98,922	61					1	1				2
Do.....	Oct. 8.....	98,922	44								1		1
Stettin.....	Oct. 1.....	150,000	58										
Stockholm.....	Oct. 15.....	283,550	82							4			1
Stuttgart.....	Oct. 6.....	162,934	69										
Sunderland.....	Oct. 1.....	143,849	89						2	2		1	2
Do.....	Oct. 8.....	143,849	84					7	1		1		1
Tampico.....	Oct. 9.....	14,000	26			7							
Do.....	Oct. 16.....	14,000	31			12							
Trapani.....	Oct. 1.....	45,095	14										
Trieste.....	do.....	165,000	97						2	4			
Venice.....	do.....	169,545	61					6	1		1		1
Vera Cruz.....	Oct. 6.....	30,000	52			6		1					
Do.....	Oct. 13.....	30,000	56										
Vienna.....	Sept. 24.....	1,590,295	542					4		7	1		4
Warsaw.....	Oct. 1.....	601,408	415			7	3	1	46	8	14		1
Zurich.....	do.....	164,233	69							3			

By authority of the Secretary of the Treasury :

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