

# 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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VOL. XIII.

WASHINGTON, D. C., JULY 1, 1898.

No. 26.

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## UNITED STATES.

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

### *Yellow fever in Mississippi.*

(Continuation of report from June 23, contained in the preceding issue.)

June 24 : No new cases reported.

June 25 : The negro case, reported June 23, is the child of a woman who worked for one of the earlier cases. This case has been moved to a tent and the remainder of the family isolated in tents under guard, and the house burned. A hospital tent has been erected, 1 patient is there; suspects are isolated in tents, and many negroes will go to the detention camp which will be established in a few days. One new case in town, developed Thursday, moved to tent and premises disinfected; only 1 person exposed and that one was immune. One case in the country 4 miles out, developed Sunday; house will be disinfected Monday.

June 26 : No new cases.

June 27 : Passed Assistant Surgeon Geddings instructed to open a small detention camp at McHenry. No new cases.

June 28 : Three cases under treatment. One suspect isolated in tent. No new foci. Investigation of a death at Biloxi, which had aroused suspicion, proved it to have occurred from malaria. The town of Gulfport reported clean.

June 29 : One new case, the suspect reported yesterday. One known focus in town, which as soon as patients recover will be obliterated.

Refugee camp established one mile from town and contains about sixty refugees. Thirty-eight refugees left for Fontainebleau.

June 30: No new cases; 5 under treatment; 1 focus. Local refugee camp has 21 inmates. Eucuta released to-day; all well.

*Brig Amapala, war prize, remanded for disinfection to Tampa Bay quarantine.*

The following telegram was received on the 25th instant from the medical officer in command U. S. Marine-Hospital Service, Key West, Fla.:

Brig *Amapala* arrived, war prize, twenty-four hours from Habana, where she has lain two months. Crew of 32, about 30 passengers, many children, much bedding and baggage. \* \* \* Vessel now in the jurisdiction of the U. S. court. \* \* \*

This vessel was ordered to Tampa Bay quarantine for disinfection on June 27, 1898.

*Smallpox at Fredonia, N. Y.*

BUFFALO, N. Y., June 23, 1898.

SIR: At the urgent request of the local board of health of Fredonia, N. Y., I visited that village yesterday to determine whether a number of suspected cases of smallpox were genuine.

On inspection, I found 16 well developed cases of this disease and no precautions having been taken, it will not be surprising if this number is doubled within a few days, as a great many of the inhabitants of the village and vicinity have been exposed.

At my suggestion, the local board of health has taken steps to prevent the spread of the disease.

\* \* \* \* \*

The case of smallpox which we had in this city was discharged from the quarantine hospital on the 18th instant, all danger of contagion being past.

Respectfully yours,

ERNEST WENDE,  
Health Commissioner.

*Report of smallpox in Pennsylvania.*

PHILADELPHIA, PA., June 23, 1898.

SIR: Since my last report of April 13, 1898, smallpox has been reported in Pennsylvania as follows: Johnsonburg, Elk County, 1 case, recovered. Origin unknown. Tioga, Tioga County, 1 case.

Yours very truly,

BENJAMIN LEE, M. D.,  
Secretary State Board of Health.

*Smallpox at Bartow, Fla.*

JACKSONVILLE, FLA., June 25, 1898.

SIR: This office is just apprised by wire of the discovery of a case of smallpox at Bartow, Polk County, Fla. The Board's agent in Polk County wires: "Few exposures. Everything being done. No disposition to panic."

Yours truly,

JOSEPH Y. PORTER,  
State Health Officer of Florida.

*Smallpox in North Carolina.*

RALEIGH, N. C., June 23, 1898.

SIR: Since my last report the following cases of smallpox have been reported to this office: Iredell County, 18; Rowan (a) County, 7.

Truly yours,

RICHARD H. LEWIS,  
*Secretary State Board of Health.*

*Report of smallpox on the steamship Roumanian en route.*

Under date of June 25 the following telegram was received from Passed Assistant Surgeon G. B. Young, U. S. Marine-Hospital Service, in command of Delaware Breakwater Quarantine Station:

*Roumanian* arrived; no passengers; 1 very mild case of rubella. Reported that they had landed passengers at Liverpool with smallpox; the bill of health shows that she left smallpox suspect (steerage passenger's infant) at Halifax. \* \* \* Unless you disapprove, will allow vessel to proceed to Reedy Island for vaccination.

In accordance with the above, the vessel was allowed to proceed to Reedy Island Quarantine Station.

REEDY ISLAND QUARANTINE, June 26, 1898.

SIR: I have the honor to report that the steamship *Roumanian*, from Glasgow via Liverpool, St. Johns, and Halifax, arrived to-day, and has been passed. She had 1 man aboard convalescent from what was, apparently, measles; certainly not smallpox; all others well. I inclose a copy of the certificate issued by the quarantine medical officer at Halifax relative to the case of illness removed at that point, which he states was not, in his opinion, smallpox.

\* \* \* \* \*

Respectfully, yours,

R. M. WOODWARD,  
*Passed Assistant Surgeon, U. S. M. H. S.*

[Copy.]

HALIFAX, June 22, 1898.

This is to certify that the steamship *Roumanian* from Liverpool via Johns, Newfoundland, arrived to-day. One young child, steerage passenger, had some signs of disease (skin eruption) being developed. I am not sure as to the nature of the eruption, but think it is not smallpox. I have decided, however, to remove all the steerage passengers, 21 in number, to the quarantine station and disinfect their luggage and keep the people under observation for a few days. The ship's hospital and places occupied by these passengers have been cleansed and fumigated. The doctor of the ship promises to continue the work thoroughly.

W. N. WICKWIRE, M. D.,  
*Quarantine Medical Officer.*

*No smallpox now at El Paso, Tex.*

Under date of June 18, 1898, the U. S. sanitary inspector at El Paso, Tex., reports that of the 3 cases of variola reported by him June 11, 1 case had died and the 2 others had been discharged from the pesthouse recovered.

*Request for smallpox expert at Reidsville, N. C.*

RALEIGH, N. C., *June 28, 1898.*—Please send smallpox expert to Reidsville, and oblige.—R. H. LEWIS, *Secretary, State Board of Health.*

In compliance with this telegraphic request, Passed Assistant Surgeon C. P. Wertenbaker was ordered to proceed to Reidsville and investigate.

REIDSVILLE, N. C., *June 30, 1898.*—One case of smallpox here, isolated and guarded. All known suspects isolated and vaccinated. Will advise with authorities.—WERTENBAKER, *Passed Assistant Surgeon, U. S. M. H. S.*

*Smallpox reported at Boulder, Colo.*

DENVER, COLO., *June 24, 1898.*

SIR: In compliance with the agreement embodied in resolution adopted by the conference of State boards of health respecting interstate notification of the occurrence of certain communicable diseases, you are hereby notified that 4 cases of smallpox have been reported to this office as existing near Boulder, Boulder County, this State. The origin of the disease is probably Old Mexico and local exposure. The precautions taken are quarantine and vaccination.

Respectfully, yours,

HENRY SEWELL,  
*Secretary State Board of Health.*

*Smallpox in the United States as reported to the Supervising Surgeon-General United States Marine-Hospital Service, January 1 to June 30, 1898.*

Places.	Date.	Cases.	Deaths.	Remarks.
<b>Alabama:</b>				
Bessemer.....	Jan. 6-Feb. 19....	143		
Birmingham.....	Jan. 6-Feb. 19....	47		
	May 13.....	15		
In Jefferson county, outside of the city.....	Feb. 6-Feb. 19....	26		
Carneys Bluff.....	Feb. 17.....			Smallpox reported.
Corona.....	Mar. 4.....	1		
Dolomite.....	Dec. 1-Jan. 17....	21		
Gosport.....	Feb. 17.....			Do.
Glendon.....	Feb. 17.....			Do.
Haynesville.....	Mar. 11.....	400		
Horse Creek Mine.....	Mar. 4.....	3		
Hurricane Bayou.....	Mar. 31-June 12....	30		
Jackson.....	Feb. 17.....	10		
Letohatchie.....	May 13.....	50		
Mobile.....	Feb. 5-June 15....	82	1	
Montevallo.....	Mar. 3.....	1		
Newton.....	Jan. 15-Feb. 2....	7		
Nichola.....	Feb. 17.....			Do.
Oxmar.....	Jan. 19.....			Do.
Patton.....	Feb. 1-Mar. 4....	9		
Pinckard.....	Feb. 2.....	50		
Port Deposit.....	May 13.....	1		
Rock Springs.....	Mar. 11.....	15		
Salitpa.....	Feb. 17.....			Do.
Selma.....	Jan. 13-Feb. 14....	3		
Shelby.....	Jan. 28-Apr. 22....	8		
Talladega.....	Jan. 9-Feb. 15....	45		
Walker Springs.....	Feb. 17.....			Do.
<b>Arkansas:</b>				
Fair Oaks.....	Mar. 1.....	5		
Little Rock and vicinity.....	Mar. 31-May 20....	110	1	
Newport.....	Apr. 23.....	1		
Sweet Home.....	May 20.....	11	1	
<b>Colorado:</b>				
Boulder.....	June 24.....	4		
<b>District of Columbia:</b>				
Washington.....	Feb. 7.....	1		Naval Hospital.
	Apr. 2-May 5....	9		
<b>Florida:</b>				
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		
<b>Georgia:</b>				
Atlanta.....	Jan. 17-Feb. 16....	178	2	Most cases from county.
Cartersville.....	Jan. 15-Mar. 1....	9	1	
Griffin.....	Feb. 12.....	2		
Macon.....	Jan. 15-June 1....	100	3	
Stilesboro.....	Jan. 15.....			Smallpox reported.
<b>Illinois:</b>				
Chicago.....	May 4.....	1		
<b>Indiana:</b>				
Evansville.....	Feb. 26.....	1		
<b>Kentucky:</b>				
Butler.....	Feb. 8-Feb. 24....	1		
Louisville.....	Apr. 16.....	1		
Middlesborough.....	Feb. 3-Apr. 7....	183	2	
<b>Louisiana:</b>				
New Orleans.....	Mar. 13-May 21....	5		
<b>Massachusetts:</b>				
Greenfield.....	Feb. 5-Feb. 22....	1		
Westfield.....	Feb. 20-Mar. 2....	1		
<b>Michigan:</b>				
Ioila.....	Mar. 20-Apr. 23....			Do
Royal Oak.....	Feb. 12-Mar. 12....	1		
<b>Mississippi:</b>				
Basin.....	May 16.....	7		
Denny a.....	May 16-May 31....	19		
Hattiesburg.....	June 4-June 15....	4		
Hendersons Point.....	Feb. 8.....	3		
Laurel.....	May 23-June 15....	8		
Moss Point.....	Feb. 15.....	1		
Ocean Springs.....	Feb. 20.....	3		
Prairie.....	June 4-June 15....			Several cases.
Shubuta, Clark County.....	May 28-June 15....	75		
West Point.....	June 4-June 15....			A few cases.
Whistler.....	June 4-June 15....	1		
<b>New Jersey:</b>				
Westfield.....	Mar. 4.....	1		

a The report of 3 deaths from smallpox in the last two issues of the PUBLIC HEALTH REPORTS is in error.

*Smallpox in the United States, etc.—Continued.*

Places.	Date.	Cases.	Deaths.	Remarks.
<b>New Mexico:</b>				
Albuquerque and vicinity.....	Mar. 5-Apr. 1.....	14		
Lincoln and vicinity.....	June 11.....	30		
<b>New York:</b>				
Buffalo.....	May 21-June 18.....	1		
Deposit.....	Nov. 1-Nov. 30.....	1		
Fredonia.....	June 23.....	16		
New York City.....	May 14-May 21.....	1		
<b>North Carolina:</b>				
Alamance County.....	Feb. 18-Feb. 23.....	1		
Asheville.....	Apr. 14.....	1		
Buncombe County.....	Apr. 16.....	1		
Charlotte.....	June 8.....	1		
Clay County.....	Jan. 25-Feb. 12.....	4		
Iredell County.....	Feb. 15-Feb. 24.....	3		
Irredell County.....	May 19-June 23.....	27		
Mooreville.....	June 16.....	1		
Reldsville.....	June 30.....	1		
Rowan County.....	June 2-June 23.....	7		
Statesville.....	June 11.....	11		
Wilmington.....	Jan. 12.....	1		
Wilson County.....	May 23.....	1		
<b>Ohio:</b>				
Cincinnati.....	May 5.....	1		
Columbus.....	Apr. 16-Apr. 22.....	1		
Delphos.....	May 1-June 8.....	3		
Fairfield County.....	Apr. 8-May 11.....	12	1	
<b>Pennsylvania:</b>				
Philadelphia.....	Apr. 13.....	2		
Johnsonburg.....	Apr. 13-June 23.....	1		
Tioga.....	Apr. 13-June 23.....	1		
<b>South Carolina:</b>				
Arkwright.....	Mar. 25.....	9		
Beaufort.....	Jan. 17.....			Smallpox reported.
Charleston.....	Apr. 22.....	1		
Columbia.....	Apr. 6-May 2.....	86		
Dyson.....	Mar. 25.....	3		
Greenville.....	Jan. 17.....			Do.
Orangeburg.....	Jan. 17.....			Do.
Pelham.....	Mar. 25.....	20		
Ridge Springs.....	Mar. 25.....	1		
Rock Hill.....	Jan. 17.....			Do.
Spartanburg.....	Jan. 17.....			Do.
Sumter.....	May 2.....	12		
Swansea.....	Jan. 15.....			Do.
<b>Tennessee:</b>				
Bristol.....	Mar. 1-Mar. 31.....	1		
Chattanooga.....	Jan. 1-Apr. 30.....	21		
Cleveland.....	Apr. 1-Apr. 30.....	6		
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. 23.....	5		
Memphis.....	Jan. 22-June 27.....	5		
Mingo mines.....	Jan. 1-Jan. 29.....	6		
Mingo.....	Feb. 1-Mar. 31.....	3		
Morristown.....	Feb. 1-Mar. 31.....	6		
Newcomb.....	Feb. 1-Feb. 23.....	3		
Rockford.....	Mar. 1-Mar. 31.....	1		
Rutledge.....	Feb. 1-Apr. 30.....	14		
Shields Ferry.....	Mar. 1-Mar. 31.....	4		
Sprowles.....	Mar. 1-Mar. 31.....	1		
<b>Texas:</b>				
Brownsville.....	Feb. 26.....	1		
Columbus.....	Feb. 2-Apr. 2.....	30	7	
El Paso.....	June 11.....	3		
<b>Virginia:</b>				
Colburn.....	Feb. 1.....			Do.
Norfolk.....	Mar. 1-Mar. 10.....	2		
Norton.....	Feb. 1.....			Do.
<b>West Virginia:</b>				
Benwood.....	June 4.....	1		
Bluefield.....	Feb. 25.....	5		
Fayette County.....	May 6.....	8		
Mercer County.....	May 6.....	6		
McDowell County.....	May 6.....	12		
<b>Wisconsin:</b>				
Wausau.....	May 19.....	1		
Oshkosh.....	Apr. 23.....	1		

*Report of immigration at Boston for the week ended June 25, 1898.*OFFICE OF U. S. COMMISSIONER OF IMMIGRATION,  
*Port of Boston, June 26, 1898.**Number of alien immigrants who arrived at this port during the week ended June 25, 1898;  
also names of vessels and ports from which they came.*

Date.	Vessel.	Where from.	No. of im- migrants.
June 19	Steamship Norseman.....	Liverpool, England.....	4
Do....	Steamship Yarmouth.....	Yarmouth, Nova Scotia.....	56
June 20	Steamship Beverly.....	Port Morant, Jamaica.....	12
June 21	Steamship Prince Edward.....	Yarmouth, Nova Scotia.....	33
Do....	Steamship Lancastrian.....	Liverpool, England.....	6
Do....	Do.....	do.....	3
Do....	Steamship Alabama.....	Bluefields, Nicaragua.....	1
Do....	Steamship Storm King.....	London, England.....	2
June 22	Steamship Scandinavian.....	Glasgow, Scotland.....	158
June 23	Steamship Pro Patria.....	St. Pierre, Miquelon.....	2
Do....	Steamship Yarmouth.....	Yarmouth, Nova Scotia.....	49
June 24	Steamship Oriol.....	London, England.....	3
Do....	Brig R. L. T.....	Ponce, Puerto Rico.....	1
Do....	Steamship Halifax.....	Halifax, Nova Scotia.....	55
Do....	Steamship Prince Edward.....	Yarmouth, Nova Scotia.....	41
Do....	Steamship Canada.....	Liverpool, England.....	170
June 25	Steamship Catalonia.....	do.....	110
	Total.....		708

GEORGE B. BILLINGS,  
*Commissioner.**Report of immigration at New York for the week ended June 25, 1898.*OFFICE OF U. S. COMMISSIONER OF IMMIGRATION,  
*Port of New York, June 27, 1898.**Number of alien immigrants who arrived at this port during the week ended June 25, 1898;  
also names of vessels and ports from which they came.*

Date.	Vessel.	Where from.	No. of im- migrants.
June 19	Steamship Umbria.....	Liverpool and Queenstown.....	167
Do....	Steamship Neustria.....	Marseilles and Naples.....	238
June 20	Steamship Odbam.....	Rotterdam.....	119
Do....	Steamship La Navarre.....	Havre.....	218
June 21	Steamship Southwark.....	Antwerp.....	188
Do....	Steamship Aller.....	Genoa and Naples.....	272
Do....	Steamship Ethiopia.....	Glasgow.....	49
June 22	Steamship Victoria.....	Naples.....	368
Do....	Steamship Chester.....	Southampton and Queenstown.....	137
June 23	Steamship Albano.....	Hamburg.....	80
Do....	Steamship Trave.....	Bremen.....	116
Do....	Steamship Teutonic.....	Liverpool and Queenstown.....	388
Do....	Steamship Barbarossa.....	Bremen.....	251
June 24	Steamship Fürst Bismarck.....	Hamburg.....	211
Do....	Steamship Palatia.....	do.....	119
Do....	Steamship Galileo.....	Rio de Janeiro.....	11
June 25	Steamship Edam.....	Amsterdam.....	66
Do....	Steamship Lucania.....	Liverpool and Queenstown.....	376
	Total.....		3,359

THOMAS FITCHIE,  
*Commissioner.*

July 1, 1898

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*Report of immigration at Philadelphia for the week ended June 25, 1898.*

OFFICE OF U. S. COMMISSIONER OF IMMIGRATION,  
*Port of Philadelphia, June 25, 1898.*

*Number of alien immigrants who arrived at this port during the week ended June 25, 1898;  
also names of vessels and ports from which they came.*

Date.	Vessel.	Where from.	No. of im- migrants.
June 20	Steamship Pennland.....	Liverpool and Queenstown .....	71
June 21	Steamship Ambria.....	Hamburg.....	60
	Total.....	.....	131

J. L. HUGHES,  
*Acting Commissioner.*



## QUARANTINE REPORT

## 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 impeded and passed.
Alexandria, Va.	June 25	Port bg. Vareiro (g)	June 14	Rio	Brunswick	Disinfected and held.	June 21	No transactions.	3
Brunswick, Ga.	do.	Br. bktn. Ramona (g)	June 16	do	do	do	June 25		
Cape Charles, Va.	do.	Am. bktn. St. Lucie.	June 23	do	do	Held for disinfection.			
Cape Fear, N. C.	June 30	Dan. bktn. Anna.	June 30	Para, Brazil	Wilmington, N. C.	Held for disinfection.		1 death from yellow fever en route.	6
Eureka, Cal.	June 18							No transactions.	
Newbern, N. C.	June 25							do	
Tortugas, Key West, Fla.	June 11							do	
Port Townsend, Wash.	June 18	Jap. ss. Kinshiu Maru.	June 16	Hongkong.	Seattle.	Forecastle and steerage sprayed with bichloride solution 1-300.	June 16	67 Japanese and 1 Chinese of the crew were bathed and all their effects disinfected by steam or 1-300 bichloride solution.	3
Reedy Island Quarantine, Del.	June 25								13
San Diego, Cal.	June 18								4
San Francisco, Cal.	do.	Am. ss. Newport.	June 18	Panama.	San Francisco	Disinfected.	June 20	1 death from yellow fever en route; all on board disinfected and held 5 days.	13
Washington, N. C.	June 25							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.....	June 25	Aralachicola, Fla.....	June 25	Bahia	Savannah ...	Disinfected and held.	June 20	No report.	2
Aralachicola, Fla.....	June 25	Baltimore, Md.....	June 25	Bahia	Savannah ...	Disinfected and held.	June 20	No report.	2
Bahia, Mo.....	June 25	Boston, Mass.....	June 25	Bahia	Savannah ...	Disinfected and held.	June 20	No report.	2
Charleston, S. C.....	June 25	Charlotte, N. C.....	June 25	Bahia	Savannah ...	Disinfected and held.	June 20	No report.	2
Charleston, S. O.....	do.	Chillicothe River, Va.....	do.	Bahia	Savannah ...	Disinfected and held.	June 20	No report.	2
Gardiner, Tex.....	June 25	Gardiner, Tex.....	June 25	Bahia	Savannah ...	Disinfected and held.	June 20	No report.	2
Georgetown, S. C.....	June 25	Georgetown, S. C.....	June 25	Bahia	Savannah ...	Disinfected and held.	June 20	No report.	2
Gloucester, Mass.....	June 25	Key West, Monroe Co., Fla.....	June 25	Bahia	Savannah ...	Disinfected and held.	June 20	No report.	2
Mayport, Fla.....	June 25	Mobile Bay, Ala.....	June 25	Barbados	Jacksonville.	Held for disinfection.	June 22	No report.	13
New Bedford, Mass.....	June 25	New Orleans, La.....	June 25	Barbados	Jacksonville.	Held for disinfection.	June 22	No report.	13
Newport News, Va.....	June 25	Newport News, Va.....	June 25	Barbados	Jacksonville.	Held for disinfection.	June 22	No report.	13
New York, N. Y.....	June 18	Port of Los Angeles, Cal.....	June 18	Barbados	Jacksonville.	Held for disinfection.	June 22	No report.	6
Port of San Pedro, Cal.....	June 25	Providence, R. I.....	June 25	Barbados	Jacksonville.	Held for disinfection.	June 22	No report.	6
Round Island, Miss.....	June 18	Round Island, Miss.....	June 18	Barbados	Jacksonville.	Held for disinfection.	June 22	No report.	6
St. Helena Entrance, S. C.....	June 25	Savannah, Ga.....	June 25	Bahia	Savannah ...	Disinfected and held.	June 20	No report.	1
Tampa Bay, Fla.....	do.	Tampa Bay, Fla.....	do.	Bahia	Savannah ...	Disinfected and held.	June 20	No report.	1

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

**IOWA—Dubuque.**—Month of May, 1898. Population, 45,000. Total number of deaths, 35, including enteric fever, 2; whooping cough, 2, and phthisis pulmonalis, 5.

**MAINE—Portland.**<sup>a</sup>—Four weeks ended June 11, 1898. Estimated population, 41,500. Total number of deaths, 45, including diphtheria, 2; enteric fever, 2; whooping cough, 1, and phthisis pulmonalis, 1.

**MICHIGAN.**—Reports to the State board of health, Lansing, for the week ended June 18, 1898, from 85 observers, indicate that dysentery, cholera morbus, cholera infantum, inflammation of kidney, pleuritis, diarrhea, erysipelas, and measles increased, and intermittent fever and remittent fever decreased in area of prevalence. Phthisis pulmonalis was reported present at 174, measles at 59, diphtheria at 27, enteric fever at 20, scarlet fever at 19, and whooping cough at 18 places.

**MINNESOTA—St. Paul.**—Month of May, 1898. Estimated population, 215,582. Total number of deaths, 184, including diphtheria, 2; enteric fever, 6; measles, 6; scarlet fever, 3, and phthisis pulmonalis, 24.

**MISSOURI—Kansas City.**—Month of May, 1898. Estimated population, 200,000. Total number of deaths, 193, including diphtheria, 1; measles, 3, and phthisis pulmonalis, 5.

**St. Louis.**—Month of May, 1898. Estimated population, 623,000; white, 587,000; colored, 36,000. Total number of deaths, 728, including diphtheria 13; enteric fever, 2; measles, 4; scarlet fever, 5; whooping cough, 3, and phthisis pulmonalis, 89.

**NEW JERSEY—Paterson.**—Month of May, 1898. Estimated population, 111,096. Total number of deaths, 119, including diphtheria, 5; enteric fever, 1, and phthisis pulmonalis, 15.

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.
Ashtabula, Ohio.....	June 18.....	8,338	6	2								
Binghamton, N. Y.....	June 25.....	35,005	12	1					2			1
Boston, Mass.....	do.....	448,477	171	20						1		2
Bristol, R. I.....	June 18.....	5,478	3	1								
Brockton, Mass.....	do.....	27,294	5	1								
Bucyrus, Ohio.....	do.....	5,974	1									
Butler, Pa.....	June 25.....	8,734	3									
Cambridge, Mass.....	do.....	70,028	16	2								2
Charleston, S. C.....	June 18.....	a 54,955	b 34	4					3			
Chicago, Ill.....	June 25.....	1,099,850	351	51					8	4	6	3
Cincinnati, Ohio.....	June 24.....	296,908	82	11							1	1
Cleveland, Ohio.....	June 18.....	261,353	103	4					2		1	1
Columbus, Ohio.....	June 24.....	88,150	17	4					2			
Concord, N. H.....	June 18.....	17,044	6	1								
Do.....	June 25.....	17,044	6	1								
Dayton, Ohio.....	do.....	61,220	23	3								
Detroit, Mich.....	do.....	205,876	84	8								3

a Estimated population, 65,165; white, 28,870; colored, 36,295. b White, 8; colored, 26.

## MORTALITY TABLE, CITIES OF THE UNITED STATES—Continued.

Cities.	Week ended.	Population, U. S. Census of 1890.	Total deaths from all causes.	Deaths from—									
				Phthisis pulmonalis.	Yellow fever.	Smallpox.	Variceloid.	Cholera.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.
Du Bois, Pa.	June 11.	6,149	0										
Do	June 18.	6,149	1										
Dunkirk, N. Y.	do.	9,416	3	3									
Everett, Mass.	do.	11,068	6	3									
Fall River, Mass.	June 25.	74,398	22	3									
Fitchburg, Mass.	June 18.	22,037	8										
Flint, Mich.	do.	9,803	2										
Grand Rapids, Mich.	June 25.	60,278	16	1					1				
Green Bay, Wis.	June 18.	9,069	3									1	
Haverhill, Mass.	June 25.	27,412	4	1									
Hoboken, N. J.	June 11.	43,648	12	2							1		
Do	June 18.	43,648	17	1									
Jacksonville, Fla.	do.	17,201	19	2					1				
Jersey City, N. J.	June 19.	163,008	66	8							3	1	
Johnstown, Pa.	June 18.	21,805	4										
Kalamazoo, Mich.	do.	17,853	5	1								1	1
Lancaster, Pa.	do.	32,011	8										
Do	June 25.	32,011	8						2				
Lawrence, Mass.	June 18.	44,654	14	1									
Lowell, Mass.	June 25.	77,696	35	7								1	
Lynchburg, Va.	do.	19,709	10	1									
McKeesport, Pa.	June 18.	20,741	11										
Manchester, Pa.	do.	44,126	15	3									
Massillon, Ohio.	do.	10,092	1										
Medford, Mass.	June 25.	11,079	3	1									
Melrose, Mass.	June 18.	8,519	3	1									
Memphis, Tenn.	June 25.	64,495	28	3									
Michigan City, Ind.	June 18.	10,776	4										
Middletown, N. Y.	June 25.	7,681	5										
Milwaukee, Wis.	June 18.	204,468	57	4					1				
Do	June 25.	204,468	67	10									
Minneapolis, Minn.	June 18.	164,738	30						1				
New Bedford, Mass.	June 25.	40,733	13	1									
Newburyport, Mass.	June 18.	13,947	5										
New Orleans, La.	do.	242,039	188	11					3		1		
Newport, R. I.	June 25.	19,457	4										
New York, N. Y.	do.	2,502,805	1,078	135					11	15	27	14	20
North Adams, Mass.	do.	16,074	5	1									
Oneonta, N. Y.	do.	6,272	3										
Petersburg, Va.	June 26.	22,680	5										
Philadelphia, Pa.	June 11.	1,046,964	363	39					7	2	17	10	
Do	June 18.	1,046,964	479	53					7	2	9	8	4
Do	June 25.	1,046,964	387	34					7	1	12	3	3
Pittsburg, Pa.	June 18.	238,617	103	6					2	1		1	4
Plainfield, N. J.	June 25.	11,267	2										
Portland, Me.	June 18.	36,425	13	1					1				
Providence, R. I.	June 25.	132,146	45	5									
Salt Lake City, Utah.	June 18.	44,843	7										1
San Jose, Cal.	do.	18,060	5	3									
Santa Barbara, Cal.	do.	5,884	2										
St. Louis, Mo.	June 4.	451,770		16								3	1
Do	June 11.	451,770	148	14								1	2
Sault Ste. Marie, Mich.	June 18.	5,760	2						2	1			
Scranton, Pa.	June 25.	75,215	32								1		
Shreveport, La.	do.	11,979	11	2									
Springfield, Ill.	June 20.	24,903	10	1									
Spokane, Wash.	June 18.	19,922	7						1				
Waltham, Mass.	do.	18,707	3										
Warren, Ohio.	do.	5,973	1										
Washington, D. C.	do.	230,392	120	10					6	2	1	1	1
Wilmington, Del.	June 25.	61,431	19									1	
Winona, Minn.	June 18.	18,208	9	1									
Youngstown, Ohio	do.	33,220	3										

aApproximately correct.

Table of temperature and rainfall, week ended June 27, 1898.

[Received from Department of Agriculture, Weather Bureau.]

Locality.	Temperature in degrees Fahrenheit.			Rainfall in inches and hundredths.		
	Normal.	Excess.	Deficiency.	Normal.	Excess.	Deficiency.
<b>Atlantic Coast:</b>						
Eastport, Me.....	57		1	.84		.54
Portland, Me.....	65	3		.77		.77
Northfield, Vt.....	65		1	.83		.53
Boston, Mass.....	69	1		.71		.51
Vineyard Haven, Mass.....	68		0	.53		.43
Nantucket, Mass.....	63	1		.63		.63
Woods Hole, Mass.....	65		1	.52		.42
Block Island, R. I.....	65		1	.58	.02	
New Haven, Conn.....	70		2	.73		.63
Albany, N. Y.....	71		1	.86		.36
New York, N. Y.....	71		1	.77		.27
Harrisburg, Pa.....	72		0	.98		.98
Philadelphia, Pa.....	74		2	.77		.37
New Brunswick, N. J.....	72		0	.90		.40
Atlantic City, N. J.....	70		2	.77		.37
Baltimore, Md.....	76		2	.93		.63
Washington, D. C.....	76		3	.98		.63
Lynchburg, Va.....	77		3	.82		.53
Cape Henry, Va.....	75	1		.93		.93
Norfolk, Va.....	78		2	.98		.98
Charlotte, N. C.....	78		2	1.09		.69
Raleigh, N. C.....	78		2	1.42		1.42
Kittyhawk, N. C.....	76		2	1.15		.55
Hatteras, N. C.....	77		3	1.15		.55
Wilmington, N. C.....	79		3	1.40	.40	
Columbia, S. C.....	79	1		1.03		.83
Charleston, S. C.....	81		1	1.42	.18	
Augusta, Ga.....	80		0	1.12	.48	
Savannah, Ga.....	81		1	1.59		1.59
Jacksonville, Fla.....	81	1		1.36		.46
Jupiter, Fla.....	80		0	1.45		1.45
Key West, Fla.....	84		0	.91		.81
<b>Gulf States:</b>						
Atlanta, Ga.....	77	3		1.05		1.05
Tampa, Fla.....	81	1		2.22		1.12
Pensacola, Fla.....	80	2		1.33		.63
Mobile, Ala.....	81		1	1.45		.55
Montgomery, Ala.....	81	1		1.10		.80
Vicksburg, Miss.....	80	2		.98		.88
New Orleans, La.....	81	1		1.62		1.62
Shreveport, La.....	82		0	.84		.84
Fort Smith, Ark.....	78	4		.98	1.42	
Little Rock, Ark.....	78	4		.91		.61
Palestine, Tex.....	80	2		.85		.75
Galveston, Tex.....	83	1		1.03		.83
San Antonio, Tex.....	82		0	.56		.56
Corpus Christi, Tex.....	81	1		.53		.23
<b>Ohio Valley and Tennessee:</b>						
Memphis, Tenn.....	80		0	1.06		.45
Nashville, Tenn.....	79		1	1.05		1.05
Chattanooga, Tenn.....	77	1		1.12	.08	
Knoxville, Tenn.....	75	1		.98	.22	
Louisville, Ky.....	77		3	.99	1.51	
Indianapolis, Ind.....	74		2	1.09		.79
Cincinnati, Ohio.....	76		2	1.02		.22
Columbus, Ohio.....	73		1	.77	.03	
Parkersburg, W. Va.....	74		2	.98		.58
Pittsburg, Pa.....	74		2	.86	.04	
<b>Lake Region:</b>						
Oswego, N. Y.....	66		0	.81		
Rochester, N. Y.....	68		2	.72	.08	
Buffalo, N. Y.....	67	1		.78		
Erie, Pa.....	69		1	.87	.23	
Cleveland, Ohio.....	70		2	.84	.86	
Sandusky, Ohio.....	71		1	.86	.74	
Toledo, Ohio.....	72		0	.77		.17
Detroit, Mich.....	70		0	.84	.36	
Lansing, Mich.....	70		2	.96	1.94	
Port Huron, Mich.....	67		1	.79	.21	
Alpena, Mich.....	63	3		.83	1.37	
Sault Ste. Marie, Mich.....	62		2	.77	.18	
Marquette, Mich.....	62		4	.83	1.17	
Green Bay, Wis.....	68		2	.70	.50	

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

Table of temperature and rainfall, week ended June 27, 1898—Continued.

Locality.	Temperature in degrees Fahrenheit.			Rainfall in inches and hundredths.		
	Normal.	Excess.	Deficiency.	Normal.	Excess.	Deficiency.
<b>Lake Region—Continued.</b>						
Graud Haven, Mich.....	67	.....	3	.85	.....	.25
Milwaukee, Wis.....	67	1	.....	.96	.14	.....
Chicago, Ill.....	70	0	.....	.88	1.92	.....
Duluth, Minn.....	61	.....	5	1.02	.....	.12
<b>Upper Mississippi Valley:</b>						
St. Paul, Minn.....	70	0	.....	.98	.....	.48
La Crosse, Wis.....	71	1	.....	1.07	.....	.47
Dubuque, Iowa.....	73	.....	2	1.24	.46	.....
Davenport, Iowa.....	74	.....	2	.94	.....	.14
Des Moines, Iowa.....	72	2	.....	1.16	.....	.56
Keokuk, Iowa.....	76	1	.....	1.05	.05	.....
Hannibal, Mo.....	74	2	.....	.91	.09	.....
Springfield, Ill.....	74	0	.....	.95	.....	.25
Cairo, Ill.....	77	1	.....	1.05	.....	.15
St. Louis, Mo.....	77	1	.....	1.12	.48	.....
<b>Missouri Valley:</b>						
Columbia, Mo.....	76	2	.....	1.02	.58	.....
Springfield, Mo.....	74	2	.....	.98	2.17	.....
Kansas City, Mo.....	76	2	.....	1.12	.....	.72
Topeka, Kans.....	76	3	.....	1.26	.....	.96
Wichita, Kans.....	78	2	.....	1.17	.....	.87
Concordia, Kans.....	73	7	.....	.95	.....	.75
Lincoln, Nebr.....	73	5	.....	.97	.....	.87
Omaha, Nebr.....	74	4	.....	1.35	.....	1.85
Sioux City, Iowa.....	73	1	.....	.77	.....	.07
Yankton, S. Dak.....	71	3	.....	.98	.....	.48
Valentine, Nebr.....	68	4	.....	.79	.....	.79
Huron, S. Dak.....	68	4	.....	.84	.....	.84
Pierre, S. Dak.....	70	8	.....	.78	.....	.68
Moorhead, Minn.....	65	3	.....	1.12	.....	.82
Bismarck, N. Dak.....	66	2	.....	.77	.23	.....
Williston, N. Dak.....	65	1	.....	.83	1.39	.....
<b>Rocky Mountain Region:</b>						
Havre, Mont.....	63	.....	1	.73	.....	.33
Helena, Mont.....	61	.....	1	.58	.....	.38
Miles City, Mont.....	69	.....	1	.61	.29	.....
Rapid City, S. Dak.....	66	6	.....	.79	.....	.79
Spokane, Wash.....	64	.....	2	.81	.....	.81
Walla Walla, Wash.....	63	.....	2	.81	.....	.81
Baker City, Oreg.....	59	1	.....	.80	.....	.80
Winnemucca, Nev.....	67	.....	.....	.14	.....	.....
Idaho Falls, Idaho.....	62	2	.....	.21	.25	.01
Salt Lake City, Utah.....	70	0	.....	.14	.26	.....
Lander, Wyo.....	64	0	.....	.26	.04	.....
Cheyenne, Wyo.....	64	2	.....	.82	.....	.32
North Platte, Nebr.....	71	3	.....	.78	.....	.68
Denver, Colo.....	70	4	.....	.34	.....	.34
Pueblo, Colo.....	73	3	.....	.38	.....	.08
Dodge City, Kans.....	76	2	.....	.77	.....	.77
Oklahoma, Okla.....	73	4	.....	.55	.....	.55
Amarillo, Tex.....	74	2	.....	.76	.....	.36
Abilene, Tex.....	81	1	.....	.70	.....	.70
Santa Fe, N. Mex.....	68	0	.....	.22	.....	.12
El Paso, Tex.....	84	.....	4	.10	.10	.....
Phoenix, Ariz.....	85	3	.....	.04	.....	.04
<b>Pacific Coast:</b>						
Seattle, Wash.....	60	0	.....	.28	.....	.28
Tacoma, Wash.....	59	.....	1	.42	.....	.22
Fort Canby, Wash.....	57	.....	1	.60	.....	.00
Portland, Oreg.....	62	.....	2	.88	.....	.18
Roseburg, Oreg.....	63	.....	3	.26	.....	.16
Eureka, Cal.....	55	1	.....	.18	.....	.18
Redbluff, Cal.....	78	2	.....	.07	.....	.07
Carson City, Nev.....	63	3	.....	.07	.....	.07
Sacramento, Cal.....	70	4	.....	.00	.....	.00
San Francisco, Cal.....	58	2	.....	.04	.....	.04
Fresno, Cal.....	76	4	.....	.00	.....	.00
San Luis Obispo, Cal.....	64	.....	2	.00	.....	.00
Los Angeles, Cal.....	67	.....	1	.00	.....	.00
San Diego, Cal.....	65	.....	1	.00	.....	.00
Yuma, Ariz.....	57	1	.....	.00	.....	.00

a 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 June 30, 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	
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-May 14.....		218	
Madras.....	Nov. 30-Dec. 10.....		8	
	Dec. 4-Dec. 31.....		11	
	Jan. 1-Jan. 28.....		45	
	Jan. 29-May 6.....		41	
Singapore.....	Nov. 1-Nov. 30.....		1	
	Dec. 1-Dec. 31.....		1	
	Mar. 1-Mar. 31.....		1	
Japan:				
Kanagawa Ken.....	Mar. 24-May 19.....	13	7	
Okayama.....	Apr. 29-May 19.....	1	.....	
Osaka and Hiogo.....	Mar. 26-Apr. 9.....	2	1	
Tokyo Fu.....	Apr. 11-May 19.....	10	2	
Yokohama.....	Apr. 15-Apr. 29.....		1	

## YELLOW FEVER.

Brasil:				
Araraguara.....	Mar. 1-Mar. 31...	4	3	
Bahia.....	Dec. 27.....	3	2	
	Dec. 29.....	6	.....	Taken off of Nor. bk. Adonis.
Ocara.....	Nov. 1-Nov. 30.....		1	
Jaboticabal .....	Mar. 1-Mar. 31.....	35	16	
Para.....	Dec. 12-Jan. 1.....		24	
	Jan. 2-Jan. 15.....		22	
	Jan. 16-Feb. 28.....		30	
Ribeirao Bonito.....	Feb. 1-Mar. 31.....	99	22	
Rio Clara.....	Mar. 1-Mar. 31.....	9	4	
Rio de Janeiro.....	Nov. 21-Dec. 4.....	1	.....	
	Dec. 5-Jan. 1.....		3	
	Jan. 1-Jan. 29.....	22	17	
	Jan. 30-May 6.....		606	
	May 6-May 27.....		123	
Sao Carlos de Pinhal.....	Feb. 28-Mar. 31.....	223	56	Yellow fever reported.
	May 24.....		.....	Yellow fever reported epidemic.
Santos .....	Jan. 2-Jan. 8.....	1	1	
	Jan. 23-Jan. 29.....	3	.....	
	Jan. 30-Feb. 28.....	21	8	
	Mar. 1-Mar. 31.....	32	13	
	Feb. 1-Mar. 31.....	4	3	
Sao Paulo.....				
Costa Rica:				
Port Limon.....	June 15.....		.....	Yellow fever reported.
Cuba:				
Cienfuegos.....	Dec. 20-Jan. 2.....		2	No reports received since hostilities with Spain began.
	Jan. 3-Jan. 28.....		1	Do.
	Dec. 17-Dec. 30.....		6	
	Dec. 31-Jan. 27.....		9	
	Jan. 28-Feb. 17.....		3	
Habana .....	Mar. 4-Mar. 31.....		4	

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

## YELLOW FEVER—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
<b>Cuba—Continued.</b>				
Manzanillo.....	Dec. 1-Dec. 31.....	.....	28	No reports received since hostilities with Spain began.
	Jan. 1-Jan. 31.....	.....	9	
	Feb. 14-Feb. 28.....	.....	3	
Matanzas.....	Dec. 15-Jan. 19.....	.....	4	Do.
	Feb. 9-Feb. 23.....	.....	2	
Regla.....	Dec. 31-Feb. 23.....	.....	7	Do.
	Mar. 1-Mar. 24.....	.....	2	
Sagua la Grande.....	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	No reports received since hostilities with Spain began.
<b>Jamaica:</b>				
Kingston.....	Dec. 19-Jan. 1.....	1	1	
	Jan. 2-Jan. 31.....	2	2	
	Feb. 5-Feb. 19.....	2	1	
St. Andrew.....	Dec. 19-Jan. 1.....	1	.....	
	Feb. 27-Mar. 5.....	1	1	
St. Catherine.....	Dec. 19-Jan. 1.....	1	.....	
St. Elizabeth.....	Dec. 19-Jan. 1.....	1	1	
<b>Santo Domingo:</b>				
Santo Domingo.....	May 7-May 14.....	1	1	
San Salvador.....	June 17.....	.....	.....	Yellow fever reported.

## PLAGUE.

<b>Arabia:</b>					
Djiddah.....	Mar. 25-Apr. 10.....	29			
Nuslah.....	Mar. 1-Mar. 25...	1			
<b>China:</b>					
Amoy.....	June 11.....			Plague reported,	
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		
Swatow.....	Mar. 25.....			Plague reported.	
Macao.....	Apr. 9.....			Plague reported.	
Shanghai.....	Apr. 23.....			On ss. Glenturret, in quarantine.	
<b>Egypt:</b>					
Suez.....	May 5.....			1 case plague on ss. Mahale.	
<b>India:</b>					
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.....	2,781			
	May 17-May 24.....	101			
Calcutta.....	Apr. 25-May 4.....	25	12	Plague reported. "Sporadic."	
<b>Japan:</b>					
Taiwan, Formosa.....	Dec. 28-Apr. 28.....	505	84		
Formosa Ports (Taipeh-Tainan, and Taiwan.)	Apr. 29-May 19.....	2,223	1,421		
Yokohama.....	Mar. 1-Apr. 11.....	2	1		
Karachi.....	Apr. 6-Apr. 12.....	51	31		
<b>Russia:</b>					
St. Petersburg.....	Mar. 26-Apr. 2.....		1		

## SMALLPOX.

<b>Belgium:</b>				
Antwerp.....	May 1-May 7.....	2	.....	
Ghent.....	May 7-May 14.....	.....	1	
<b>Bohemia:</b>				
Prague.....	Dec. 12-Jan. 1.....	11	.....	
	Jan. 2-May 14.....	151	.....	
<b>British Columbia:</b>				
Victoria.....	May 9.....	1	.....	



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

## SMALLPOX—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
<b>Brasil:</b>				
Ceara.....	Mar. 1-Mar. 31.....		10	
Pernambuco.....	Dec. 1-Dec. 25.....		8	
	Apr. 15-Apr. 23.....		1	
Rio de Janeiro.....	Nov. 21-Dec. 4.....	10		
	Dec. 5-Jan. 1.....	9	1	
	Jan. 1-Apr. 8.....	2	1	
Sao Paulo.....	Feb. 1-Mar. 31.....	40	13	
Sorocaba.....	Dec. 16-Jan. 30.....	32	10	
<b>Canada:</b>				
Halifax.....	May 14-May 23.....	6		
Maliseonneuve.....	Jan. 26-Feb. 16.....	3		
Montreal.....	Jan. 3-Jan. 12.....	3	0	
	Feb. 11-Feb. 16.....	1		
<b>China:</b>				
Hongkong.....	Nov. 7-Dec. 4.....	6	4	
	Dec. 5-Jan. 1.....	11	8	
	Jan. 2-Apr. 30.....	194	113	
<b>Cuba:</b>				
Cardenas.....	Dec. 19-Jan. 22.....		5	
	Mar. 6-Mar. 27.....		8	
Cienfuegos.....	Dec. 20-Jan. 2.....		7	
	Jan. 3-Jan. 23.....		19	
	Feb. 7-Feb. 27.....		35	
	Feb. 28-Apr. 3.....		9	
Habana.....	Dec. 17-Apr. 7.....		154	
Matanzas.....	Jan. 20-Feb. 23.....		8	
Regla.....	Feb. 18-Apr. 7.....		3	
Sagua la Grande.....	Dec. 19-Jan. 29.....	233	29	
	Jan. 30-Feb. 26.....	470	35	
	Feb. 27-Apr. 4.....	437	26	
<b>England:</b>				
Bristol.....	Feb. 6-Feb. 19.....	1		
Leeds.....	Mar. 19-Apr. 9.....	6	4	
Liverpool.....	Jan. 15-Jan. 29.....	3		
	Feb. 1-Apr. 2.....	6		
London.....	Feb. 27-Mar. 26.....	4		
	June 4-June 11.....	1		
Middlesborough.....	Feb. 9.....	90		
Newcastle on Tyne.....	Mar. 19-June 11.....	12	2	
Southampton.....	Jan. 8-Feb. 12.....	2		
South Shields.....	May 7-May 14.....	1		
Sunderland.....	Dec. 18-Jan. 8.....	1		
	Feb. 27-Mar. 26.....	4		
West Hartlepool.....	Jan. 9-Jan. 22.....	5		
<b>Germany:</b>				
Bremen.....	Apr. 23-May 14.....	2		
Hamburg.....	Mar. 6-Mar. 12.....	2		
Gibraltar.....	Dec. 6-Dec. 12.....	1		
	Dec. 27-Apr. 3.....	6		
<b>India:</b>				
Bombay.....	Feb. 9-May 24.....		32	
Calcutta.....	Dec. 19-Dec. 25.....		1	
	Jan. 30-May 14.....		53	
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 13.....		11	
Singapore.....	Mar. 1-Mar. 31.....		1	
<b>Italy:</b>				
Messina.....	Dec. 12-Jan. 8.....		5	
	Jan. 30-May 21.....		5	
<b>Japan:</b>				
Aichi Ken.....	Dec. 28-Apr. 28.....	8	1	
Akita Ken.....	Dec. 28-Apr. 10.....	15	4	
	Apr. 29-May 19.....	2		
Awomori Ken.....	Dec. 28-May 19.....	75	12	
Chiba Ken.....	Dec. 28-Apr. 10.....	9		
Formosa.....	Feb. 4-Mar. 3.....	7	4	
Fukui Ken.....	Dec. 28-Feb. 8.....	1		
Fukuoka Ken.....	Mar. 24-May 19.....	4		
Fukushima Ken.....	Dec. 28-May 19.....	141	35	
Gifu Ken.....	Feb. 4-Feb. 22.....	1		
Gumma Ken.....	Feb. 4-Feb. 22.....	1		
Hogo.....	Apr. 29-May 19.....	1		
Hiroshima Ken.....	Jan. 22-Feb. 3.....	1		

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

## SMALLPOX—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
<i>Japan—Continued.</i>				
Ishikawa Ken.....	Apr. 29-May 19...	2	.....	
Iwate Ken.....	Dec. 28-May 19...	42	9	
Kagoshima Ken.....	Feb. 4-Feb. 22...	1	.....	
Kanagawa Ken.....	Dec. 28-Jan. 21...	3	.....	
Kioto Fu.....	Apr. 29-May 19...	1	.....	
Kochi Ken.....	Dec. 28-Jan. 21...	1	.....	
Miyagi Ken.....	Dec. 17-Dec. 27...	2	3	
	Dec. 28-Apr. 28...	94	23	
Miyazaki Ken.....	Jan. 22-Feb. 3...	3	1	
	Apr. 29-May 19...	24	7	
Nagano Ken.....	Feb. 4-Mar. 23...	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	
Okayama Ken.....	Feb. 4-Apr. 10...	3	1	
Osaka Fu.....	Dec. 28-Apr. 10...	3	.....	
Oyama Ken.....	Mar. 4-Mar. 23...	1	1	
Saitama Ken.....	Dec. 17-Dec. 27...	1	.....	
Shidzuoka Ken.....	Apr. 29-May 19...	2	.....	
Tochigo Ken.....	Mar. 24-Apr. 10...	1	.....	
Tokyo Fu.....	Dec. 28-Mar. 23...	6	.....	
Tokushima Ken.....	Apr. 29-May 19...	2	.....	
Yamagata Ken.....	Jan. 22-May 19...	38	9	
Yamaguchi Ken.....	Feb. 4-Apr. 28...	10	1	
Yamanashi Ken.....	Mar. 24-Apr. 28...	5	1	
Yehime Ken.....	Dec. 17-Apr. 10...	59	13	
	Apr. 29-May 19...	3	.....	
The Hokkaido.....	Dec. 17-Dec. 27...	70	26	
	Dec. 28-May 19...	407	107	
Mexico:				
Nogales.....	May 13.....	4	.....	
Norway:				
Christiania.....	Mar. 20-May 21...	19	2	
Nova Scotia:				
Halifax.....	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	
Odessa.....	Dec. 5-Jan. 1...	53	9	
	Jan. 2-Jan. 29...	34	7	
	Jan. 30-June 4...	97	18	
St. Petersburg.....	Dec. 4-Dec. 25...	35	13	
	Jan. 9-Jan. 29...	56	19	
	Jan. 30-June 4...	.....	58	
	Dec. 19-May 28...	.....	136	
Warsaw.....				
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	
Turkey:				
Constantinople.....	Jan. 10-Feb. 6...	.....	53	
	Feb. 28-May 8...	.....	94	
Uruguay:				
Montevideo.....	Dec. 25-Mar. 19...	5	.....	
Venezuela:				
Caracas.....	June 7.....	.....	.....	Smallpox reported.
Puerto Cabello.....	Apr. 2-Apr. 11...	23	6	Smallpox increasing, June 7, 1898.
Valencia.....	Apr. 2-Apr. 11...	54	.....	Do.
Wales:				
Cardiff.....	Dec. 18-Dec. 24...	1	.....	

## BRAZIL.

*Sanitary reports from Rio—Yellow fever at Rio, Santos, and interior towns.*RIO DE JANEIRO, *May 24, 1898.*

SIR: I have the honor to forward to you official report for the week ended May 13:

There were 368 deaths from all causes, a decrease of 5, as compared with the foregoing week; 23 deaths from *accessio pernicioso*, an increase of 5; 53 deaths from yellow fever, an increase of 1; 7 deaths from typhoid fever, an increase of 3; 14 deaths from beriberi, an increase of 6, and 45 deaths from tuberculosis, a decrease of 14.

*Information.*—The cooler weather continues and an improvement in the general state of health is noticeable, especially as regards the decrease of yellow fever. We had, during the last few days, a copious rainfall, which vouchsafed to us a further improvement of the sanitary conditions.

What I could learn in regard to yellow fever in Santos, justifies the assertion that its ravages were severer there lately than heretofore. In the interior of the State of Sao Paulo, in the mountain city of Sao Carlos de Pinhal, the yellow fever epidemic continues to an astonishing and certainly unprecedented degree.

With the beginning of the cooler season there has been an increase of smallpox in the city of Sao Paulo. During the month of April the report of the hospital of isolation was as follows:

Diseases.	Remaining.	Entered.	Recovered.	Died.	Remaining.
Smallpox.....	28	63	27	23	41
Typus fever.....	9	2	6	1	4
Yellow fever.....	.....	9	3	4	2
Diphtheria.....	1	.....	1	.....	.....

Since last report the following-named vessels have been inspected and received bills of health of this office: May 20, steamship *Buffon*, British, for New York; steamship *Tiger*, Norwegian, for Baltimore.

Respectfully, yours,

W. HAVELBURG,  
*Acting Sanitary Inspector, U. S. M. H. S.*

RIO DE JANEIRO, *June 1, 1898.*

SIR: I have the honor to forward to you the official report for the week ended May 20.

There were 342 deaths from all causes, a decrease of 26, as compared with the foregoing week. Sixteen deaths from *accessio pernicioso*, a decrease of 7; 33 deaths from yellow fever, a decrease of 20; 2 deaths from typhoid fever, a decrease of 5; 1 death from whooping cough, none before; 10 deaths from beriberi, a decrease of 4, and 57 deaths from tuberculosis, an increase of 12.

There occurred during the week ended May 27, 386 deaths from all causes, 10 deaths from *accessio pernicioso*, 37 deaths from yellow fever, 7 deaths from beriberi, and 29 deaths from different fevers.

Although the better and more agreeable climatical conditions continue and the general state of health shows an improvement, the number of deaths remain about as before. In regard to yellow fever, the number of cases has diminished, but not the number of deaths, consequently the mortality is greater among those who fall sick late in the season.

From the report of the delegate of hygiene at Campos, I take some notices concerning the first three months of this year.

Campos is a city of the State of Rio de Janeiro, with about 40,000 inhabitants, and distant from the city of Rio de Janeiro about twelve hours, railway journey. It is the center of relatively considerable industry, of which that of sugar is the most important. The city is situated on the Parahyba, shortly above its mouth. Along its lower course the river often overflows and thereby transforms the country into marshes that become the seat of malaria. Also in Campos and its surroundings this sickness is very common. Of 314 deaths in the city, 62 were caused by malarial infection, of which 15 were *accessio pernicioso*, 7 *febris remittens typhoidea*, 6 *febris remittens biliosa*, and 6 *febris remittens plautis*.

In Campos some sporadic cases of yellow fever occurred spread by people coming from Rio de Janeiro.

In the surroundings of Campos, at Sao Gonçalo, the following happened: A man, returning from a voyage only a short time before, became ill, then 6 members of his family and 3 other persons became ill. Of these 9 persons 8 died. The physicians entertained the positive opinion that the sickness was yellow fever. From all experience yellow fever is not transportable from person to person, but if the germ finds favorable conditions to its development, then it may also produce a further infection. So it probably happened in the above-mentioned case. On the other hand, there are countries that from all experience have an immunity to yellow fever, where the conditions to its development do not exist. Such a locality is the city of Petropolis, in the neighborhood of Rio de Janeiro, the seat of the diplomatic world and the place of refuge for the better situated people of Rio. Single cases of yellow fever, spread from Rio, will be also observed, but never an epidemical extension. Vaccinations have not been executed at Campos, because the inhabitants oppose that prophylactical measure.

Since last report the following-named ships have been inspected and received bills of health from this office: May 27, barkentine *Doris*, American, for Baltimore. May 28, steamship *Bellena*, British, for New York; schooner *Roland*, German, for Port Eads. May 30, schooner *Brunhilde*, British, for New York; bark *Normandy*, American, for Portland.

Respectfully, yours,

W. HAVELBURG, M. D.,  
*Acting Sanitary Inspector, U. S. M. H. S.*

#### STATISTICAL REPORTS.

**AUSTRALIA**—*New South Wales—Brisbane*.—Month of March, 1898. Population, 105,734. Total number of deaths, 118, including enteric fever, 1, and phthisis pulmonalis, 11.

*Sydney*.—Month of April, 1898. Estimated population, 417,250. Total deaths, 434, including diphtheria, 12; enteric fever, 10, and measles, 3.

**BAHAMAS**—*Dunmore Town*.—Two weeks ended June 17. Population, 1,472. Total deaths, 2. No contagious disease.

*Governors Harbor*.—Two weeks ended June 18. Estimated population, 1,500. Total number of deaths, 1. No contagious disease.

*Green Turtle Cay.*—Two weeks ended June 16. Estimated population, 3,900. No deaths.

*BERMUDA.*—Two weeks ended June 3, 1898. Estimated population, 15,013. No deaths.

*BRAZIL—Ceara.*—Month of May, 1898. Estimated population, 50,000. Total number of deaths, 138.

*FRANCE—Roubaix.*—Month of May, 1898. Estimated population, 125,131. Total number of deaths, 189, including diphtheria, 2; enteric fever, 2; measles, 6, and whooping cough, 1.

*GREAT BRITAIN—England and Wales.*—The deaths registered in 33 great towns in England and Wales during the week ended June 11 correspond to an annual rate of 16.9 a thousand of the aggregate population, which is estimated at 11,218,378. The highest rate was recorded in New Castle on Tyne, viz, 24.1, and the lowest in Croydon, viz, 8.4.

*London.*—One thousand four hundred and eleven deaths were registered during the week, including measles, 74; scarlet fever, 10; diphtheria, 23; whooping cough, 51; enteric fever, 4, and diarrhea and dysentery, 22. The deaths from all causes correspond to an annual rate of 16.3 a thousand. In greater London 1,840 deaths were registered, corresponding to an annual rate of 15.0 a thousand of the population. In the "outer ring" the deaths included 20 from measles, 11 from diphtheria, 4 from scarlet fever, and 18 from whooping cough.

*Sunderland.*—Two weeks ended June 4, 1898. Estimated population, 143,849. Total number of deaths, 141, including diphtheria, 1; enteric fever, 1; measles, 1; scarlet fever, 1, and whooping cough, 4.

*Ireland.*—The average annual death rate represented by the deaths registered during the week ended June 11 in the 23 principal town districts of Ireland was 23.9 a thousand of the population. The lowest rate was recorded in Carrickfergus, viz, 7.3, and the highest in Lisburn, viz, 38.3 a thousand. In Dublin and suburbs 168 deaths were registered, including enteric fever, 1, and whooping cough, 2.

*Scotland.*—The deaths registered in 8 principal towns during the week ended June 11 correspond to an annual rate of 21.3 a thousand of the population, which is estimated at 1,568,536. The lowest mortality was recorded in Leith, viz, 11.6, and the highest in Dundee, viz, 24.0 a thousand. The aggregate number of deaths registered from all causes was 642, including measles, 42; scarlet fever, 4; diphtheria, 1, and whooping cough, 43.

*GUIANA—Parimaribo.*—Month of May, 1898. Estimated population, 30,535. Total number of deaths, 71. No deaths from contagious disease.

*JAMAICA.*—Four weeks ended June 4, 1898. Estimated population, 694,865. Total deaths not reported. The deaths included enteric fever, 3, and whooping cough, 1.

*Kingston.*—Month of May, 1898. Estimated population, 34,314,

Total number of deaths, 154, including enteric fever, 2, and phthisis pulmonalis, 10.

URUGUAY—*Montevideo*.—Month of April, 1898. Estimated population, 250,869. Total number of deaths, 306, including diphtheria, 2; enteric fever, 7, and phthisis pulmonalis, 28.

WEST INDIES—*St. Christopher*.—Two weeks ended June 14, 1898. Estimated population, 31,000. Total number of deaths not reported. No deaths from 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.
Amherstburg.....	June 18.....	2,300	2									
Amsterdam.....	June 11.....	507,647	187					1		1	2	3
Antwerp.....	June 4.....	282,872	75			2						
Barranquilla.....	May 22.....	40,000	16									
Do.....	May 28.....	40,000	29					1				
Do.....	June 5.....	40,000	22					1				
Belfast.....	June 4.....	304,610	148					11	1	1	1	3
Do.....	June 11.....	304,610	140					16				2
Belize.....	June 16.....	13,000	6									
Berlin.....	May 28.....	1,728,201	554					1	1	3	6	
Birmingham.....	June 11.....	505,772	168					3		3	2	5
Bluefields.....	do.....	3,018	1									
Bombay.....	May 24.....	800,000	a 633	1		1					3	
Bradford.....	June 4.....	231,260	65					1			7	5
Do.....	June 11.....	231,260	73								6	
Bremen.....	June 4.....	143,500	50								4	
Brussels.....	do.....	531,024	198					4				2
Calcutta.....	May 14.....	681,560	356	24		4						1
Catania.....	June 11.....	120,000	65									3
Christiania.....	do.....	207,000	71						1			1
Cologne.....	do.....	345,377	126							3	8	3
Colombo.....	May 14.....	127,836	96					2				
Do.....	May 21.....	127,836	116					5			2	
Colon.....	June 8.....	8,000	1									
Copenhagen.....	June 4.....	351,000	132									
Crefeld.....	June 11.....	110,000	28					1				
Dresden.....	June 4.....	381,400	152							2		
Dublin.....	June 11.....	350,000	168						1	1	3	
Edinburgh.....	do.....	295,628	120					1	1			5
Flushing.....	do.....	17,193	6								3	
Frankfort on the Main.....	do.....	245,000	72									2
Ghent.....	June 4.....	161,125	60									
Do.....	June 11.....	161,125	65					1				
Gibraltar.....	June 5.....	25,900	8									
Girgenti.....	June 4.....	24,428	6									
Glasgow.....	June 11.....	724,849	324					4	2	1	19	27
Gothenburg.....	June 4.....	119,754	39						1			
Halifax.....	June 18.....	38,700	16								2	
Hamburg.....	June 11.....	661,015								5	17	10
Havre.....	June 4.....	119,470	58					1				
Kingston, Canada.....	June 24.....	18,800	0									
Königsberg.....	June 11.....	179,686							1	1	1	
Leeds.....	June 4.....	416,618	156						1	1		7
Do.....	June 11.....	416,618	139						3	1	2	2
Leith.....	do.....	76,277	17								1	
Licata.....	June 4.....	20,000	9					1				
Liege.....	do.....	166,110	51									
Livingston, Guatemala.....	June 11.....	2,000	3									
London, England.....	June 4.....	6,408,321	1,789					6	20	40	78	58
Do.....	June 11.....	6,408,321	1,840					8	14	34	94	69
Magdeburg.....	May 14.....	223,016	83						1	2	1	2
Do.....	May 21.....	223,016	93							2		
Manchester.....	May 11.....	541,296	202						1			3
Mayence.....	June 4.....	76,984	36								3	
Do.....	May 11.....	76,984	41								3	
Messina.....	do.....	107,000	27							1		
Moscow.....	May 28.....	1,000,000	553		2		2	8	7	2	4	
Nagasaki.....	May 24.....	72,000								1		
New Castle on Tyne.....	June 11.....	186,345	103								9	7
Nuremberg.....	May 28.....	189,720	77									
Odessa.....	June 4.....	388,000	110		2		6	3			1	
Palermo.....	do.....	273,000	147							1		1
Paris.....	do.....	2,511,955	938					1	2	5	40	9
Do.....	June 11.....	2,511,955	935					1	4	1	36	9
Plymouth.....	June 4.....	99,136	34								1	1
Do.....	June 11.....	99,136	34							1	1	1
Prague.....	June 4.....	198,320	112					1	2	1	6	
Puerto Cortes.....	June 16.....	2,000	0									
Queenstown.....	May 21.....	15,000	7									
Do.....	May 28.....	15,000	5									
Rheims.....	do.....	108,943	49								6	1
Do.....	June 4.....	108,943	46								8	1

a Plague, 101 deaths.

MORTALITY TABLE, FOREIGN CITIES—Continued.

Cities.	Week ended.	Estimated popula- tion.	Total deaths from all causes.	Deaths from—								
				Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Rio de Janeiro.....	May 13....	750,000	368	.....	53	.....	.....	7	.....	.....	.....	.....
Rotterdam.....	June 11....	301,816	138	.....	.....	.....	.....	.....	.....	.....	9	.....
St. Georges.....	.....do.....	2,150	0	.....	.....	.....	.....	.....	.....	.....	.....	.....
Do.....	June 13....	2,150	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
St. Petersburg.....	May 23....	1,267,023	601	.....	.....	2	1	21	12	16	23	10
Do.....	June 4....	1,267,023	573	.....	.....	1	.....	29	17	22	19	2
St. Stephens.....	June 13....	3,000	0	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sanchez.....	June 4....	1,200	0	.....	.....	.....	.....	.....	.....	.....	.....	.....
Do.....	June 11....	1,200	0	.....	.....	.....	.....	.....	.....	.....	.....	.....
Schiedam.....	.....do.....	26,684	11	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sheffield.....	.....do.....	324,243	126	.....	.....	.....	.....	4	1	1	2	4
Sonneberg.....	May 21....	12,400	6	.....	.....	.....	.....	.....	.....	.....	.....	.....
Do.....	June 4....	12,400	7	.....	.....	.....	.....	.....	.....	.....	.....	.....
South Shields.....	June 11....	98,922	34	.....	.....	.....	.....	.....	.....	.....	.....	.....
Stettin.....	June 4....	150,000	47	.....	.....	.....	.....	.....	.....	.....	.....	2
Stockholm.....	.....do.....	283,550	94	.....	.....	.....	.....	.....	.....	.....	.....	.....
Stuttgart.....	June 9....	162,934	71	.....	.....	.....	.....	.....	1	.....	.....	.....
Sunderland.....	June 11....	143,849	65	.....	.....	.....	.....	.....	.....	.....	2	4
Tegucigalpa.....	May 23....	12,000	3	.....	.....	.....	.....	.....	.....	.....	1	1
Trapani.....	June 4....	45,095	17	.....	.....	.....	.....	.....	.....	.....	.....	.....
Trieste.....	.....do.....	165,000	79	.....	.....	.....	.....	.....	.....	.....	.....	.....
Tuxpam.....	May 14....	10,280	5	.....	.....	.....	.....	.....	.....	.....	.....	.....
Do.....	May 21....	10,280	10	.....	.....	.....	.....	.....	.....	.....	.....	.....
Do.....	May 23....	10,280	7	.....	.....	.....	.....	.....	.....	.....	.....	.....
Venice.....	.....do.....	168,958	71	.....	.....	.....	.....	3	.....	1	.....	.....
Vera Cruz.....	May 16....	20,000	25	.....	.....	.....	.....	.....	.....	.....	.....	.....
Vienna.....	May 21....	1,590,235	714	.....	.....	.....	.....	2	8	6	30	2
Do.....	May 23....	1,590,235	681	.....	.....	.....	.....	.....	3	7	11	36
Warsaw.....	June 4....	601,408	221	.....	.....	.....	.....	.....	.....	.....	.....	.....
Zurich.....	.....do.....	160,916	45	.....	.....	.....	.....	.....	.....	1	.....	.....

By authority of the Secretary of the Treasury :

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