

Public Health Reports

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WASHINGTON, D. C., MAY 20, 1898.

No. 20.

UNITED STATES.

Navy to cooperate in preventing the introduction of yellow fever.

TREASURY DEPARTMENT,
Washington, D. C., May 3, 1898.

SIR: I am informed by the Surgeon-General of the United States Marine-Hospital Service that even under ordinary circumstances there has been danger of the introduction of yellow fever from Cuba into the State of Florida through the medium of small craft containing persons and baggage, seeking, for various reasons, surreptitiously to land upon the Florida coast. Under present conditions, it is believed that the danger from these small craft is greatly increased.

During the active quarantine season, from April 1 to November 1, it is contrary to the United States Quarantine Regulations for persons from Cuba not immune to yellow fever to be landed at any point south of the southern boundary of Maryland without detention in quarantine from three to five days, and their baggage must be disinfected. The importance of enforcing these regulations throughout the summer is very great, and I have to request that the officers of the fleet in Florida or Cuban waters be instructed to aid in the prevention of the introduction of yellow fever into the United States by keeping vigilant outlook for small vessels of the character above described, and upon their apprehension such vessels and their personnel be taken immediately, under guard, to the nearest quarantine station for necessary detention and disinfection.

The quarantine disinfecting stations in the South are located as follows:

Mississippi River Quarantine Station, Louisiana; United States (Gulf) Quarantine Station, Ship Island, Mississippi; Mobile Bay Quarantine Station, Alabama; Mullet Key (Tampa) Quarantine Station, Florida; United States (Dry Tortugas) Quarantine Station, Florida; United States (Brunswick) Quarantine Station, Georgia; United States (Sapelo) Quarantine Station, Georgia (or South Atlantic); Savannah Quarant-

tine Station, Georgia; Charleston Quarantine Station, South Carolina; United States (Cape Fear) Quarantine Station, North Carolina; United States (Cape Charles) Quarantine Station, Virginia.

I have the honor to remain, respectfully, yours,

L. J. GAGE,
Secretary.

HON. SECRETARY OF THE NAVY.

NAVY DEPARTMENT,
Washington, May 14, 1898.

SIR: I have the honor to acknowledge the receipt of your letter of the 3d instant, asking that the Navy Department, through its officers at the naval station, Key West, cooperate with the officials of the Treasury Department, in aiding in the prevention of the introduction of yellow fever into the United States, and in reply, have to state that copies of your communication have been sent to the Commandant of the United States Naval Station at Key West and to the Commander-in-Chief of the North Atlantic Squadron, with instructions to keep a look-out for and apprehend any small vessels which it is believed intend to effect a surreptitious landing on the Florida coast.

Very respectfully,

J. D. LONG,
Secretary.

HON. SECRETARY OF THE TREASURY.

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

Special regulations for Gulf Quarantine.

GULF QUARANTINE STATION, *May 9, 1898.*

SIR: As directed in Bureau letter of the 9th instant (P. H. B.), I have the honor to transmit herewith inclosed a copy of my "Special Notice" of the season of 1898.

Respectfully, yours,

A. C. SMITH,
Passed Assistant Surgeon, U. S. M. H. S.

[Inclosure.]

Special notice.

GULF QUARANTINE STATION, SEASON OF 1898.

To the masters of vessels detained in quarantine:

During your detention in the quarantine anchorage, you are enjoined to observe the rules of the quarantine station strictly, both before and after the disinfection of your vessel.

Every vessel is required to put up the yellow flag, "Q," on entering quarantine, and to keep it up while in quarantine until receiving pratique.

No communication shall be held with any boat or vessel or person outside the quarantine station.

No communication shall be held between vessels in quarantine, except with the special permission, in each case, of the medical officer in command; and such permission will only be given, if at all, after both vessels have been disinfected.

All letters, telegrams, messages, orders for supplies and the like, must be sent through the quarantine station.

No boat or person from your vessel shall leave the side of the vessel or be cruising on the water while the transfer boat is at the barge or in its vicinity. Your boat may be sent for supplies only after the transfer boat has left the vicinity of the quarantine anchorage, and you must not attempt to hail transfer boat nor any other outside boat.

You are at liberty to come or send to the office of the station when occasion requires,

unless this is specially forbidden in particular cases. The flag signals of the International Code can also be used.

Masters of vessels in quarantine are requested not to give or sell liquor to employees of the station, except with the permission of the medical officer in command.

A guard patrols the anchorage at night, and you are cautioned not to allow anyone to leave the side of your vessel after dark.

A. C. SMITH,

Passed Assistant Surgeon, U. S. M. H. S., in Command of Station.

Yellow fever on British steamship Dulwich.

CAPE CHARLES QUARANTINE, *May 5, 1898.*

SIR: I have the honor to report the arrival of the British steamer *Dulwich*, twenty-two days from Santos, with history of removal of 2 of the engineers ashore at Santos with yellow fever, 1 of them dying there. Three days out from Santos, 1 of the sailors was taken ill with high fever, lasting four or five days, and is now convalescent. Consider it yellow fever, and will remand to Fishermans Island.

Very respectfully,

W. J. PETTUS,

Passed Assistant Surgeon U. S. M. H. S.

Smallpox at Birmingham, Ala.

BIRMINGHAM, ALA., *May 13, 1898.*

SIR: We now have 15 cases smallpox in pesthouse, all colored, and males. One white (male). His residence isolated. None of these cases contracted in our city or county, but came from other counties in the State. We only received 4 cases in all during the month of April, 3 from Bessemer and 1 from Spigner, Ala. All the new cases are railroad hands and mostly from the Louisville and Nashville Road.

Yours, truly,

WM. BARCLAY, M. D.,

County Health Officer.

Smallpox at Mobile, Ala.—(Continued).

MOBILE, ALA., *May 13, 1898.*

SIR: I have the honor to report that since the 6th instant, and including to-day, 10 cases of smallpox have been admitted to the Mobile city and county pesthouse from Whistler, making 13 in all which have occurred in that village; these are properly chargeable to Whistler, and not to this city; all colored, 10 of them women and children.

There has been admitted to the railroad car camp at Hurricane Bayou a total number of 26, the last having been sent in to-day; all railroad hands, all colored except one.

Dr. Fonde reports 1 case at Port Deposit, Lowndes County, and about 50 cases in and near Letohatchie, in the same county.

There has been no case discovered in this city since the 5th instant.

I am, very respectfully, your obedient servant,

R. D. MURRAY,

Surgeon, U. S. M. H. S.

Smallpox in Columbus, Ohio.

COLUMBUS, OHIO, *May 9, 1898.*

SIR: In answer to your circular letter of 7th instant, marked G. T. V., I wish to inform you that the case of smallpox referred to has been duly reported to your office on April 23 with the other cases of contagious

diseases, as the secretary of our health department assures me. If your request implies details of the case, they are as follows:

The patient's name is Jonas Smith, white, aged about 60 years, blacksmith, of good constitution and habits. On April 3 he visited friends at Carroll, Fairfield County, Ohio, named, likewise, Smith, where all the members of the family were convalescent from what the attending physician called chicken pox (see Ohio Sanitary Bulletin, April, 1898, p. 119). He stayed at the house but one hour, returning to Columbus in the afternoon. Three days later, April 6, Dr. Probst, secretary of the State board of health, was called to Carroll to give his opinion on these cases. He pronounced them smallpox. On April 8 Dr. Probst was informed by the marshal of Carroll by telephone that a Columbus man had lately visited the family, giving name and address; both were given incorrectly. Still, I succeeded in locating the man at 750 Broderick street. At once, I vaccinated him and his wife, although both had been vaccinated successfully in former years. They have no children and live in a house by themselves. Mr. Smith enjoyed perfect health. I called on him every other day. On April 16 I found him in bed, feverish. He had a chill on the evening before, just twelve days after the short exposure. At once, I had him and his wife quarantined; 2 watchmen have been guarding the house ever since, 1 during the day and 1 during the night; I also procured a nurse and a physician. Nobody has entered or left the infected house since except the physician, who uses the greatest precaution, nor any kind of article passed out. The eruption began to appear on the evening of April 17. According to the physician's statement, the patient has been well covered by pustules. He is recovering nicely; he sat up yesterday for five hours. Neither wife, nurse, nor physician show any symptoms of the disease, although three weeks have elapsed since the eruption began. Thus far, this is the only case in our city.

Respectfully submitted,

J. B. SCHUELLER, M. D.,
Superintendent of Health.

Smallpox in the United States as reported to the Supervising Surgeon-General United States Marine-Hospital Service, January 1 to May 20, 1898.

Places.	Date.	Cases.	Deaths.	Remarks.
Alabama:				
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.....	1		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-May 13....	26		
Jackson.....	Feb. 17.....	10		
Letohatchie.....	May 13.....	50		
Mobile.....	Feb. 5-May 13....	67	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.
Arkansas:				
Fair Oaks.....	Mar. 1.....	5		
Little Rock and vicinity.....	Mar. 31-May 7....	71		
Newport.....	Apr. 28.....	1		
District of Columbia:				
Washington.....	Feb. 7.....	1		Naval Hospital.
	Apr. 2-May 5....	9		
Florida:				
Jacksonville.....	Mar. 20-Mar. 26....	1		
Pensacola.....	Apr. 24.....	1		
Washington County.....	Jan. 24.....	12		
Georgia:				
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-Apr. 1....	64	1	
Stilesboro.....	Jan. 15.....			Smallpox reported.
Illinois:				
Chicago.....	May 4.....	1		
Indiana:				
Evansville.....	Feb. 26.....	1		
Kentucky:				
Butler.....	Feb. 8-Feb. 24....	1		
Louisville.....	Apr. 16.....	1		
Middlesborough.....	Feb. 3-Apr. 7....	183	2	
Louisiana:				
New Orleans.....	Mar. 13-Apr. 2....	3		
Massachusetts:				
Greenfield.....	Feb. 5-Feb. 22....	1		
Westfield.....	Feb. 20-Mar. 2....	1		
Michigan:				
Ionia.....	Mar. 20-Apr. 23....			Do.
Royal Oak.....	Feb. 12-Mar. 12....	1		
Mississippi:				
Moss Point.....	Feb. 15.....	1		
New Jersey:				
Westfield.....	Mar. 4.....	1		
New Mexico:				
Albuquerque and vicinity.....	Mar. 5-Apr. 1....	14		
New York:				
Deposit.....	Nov. 1-Nov. 30....	1		
North Carolina:				
Alamance County.....	Feb. 18-Feb. 25....	1		
Asheville.....	Apr. 14.....	1		
Buncombe County.....	Apr. 16.....	1		
Charlotte.....	Jan. 25-Feb. 12....	4		
Clay County.....	Feb. 15-Feb. 24....	3		
Wilmington.....	Jan. 12.....	1		

Smallpox in the United States, etc.—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
Ohio:				
Cincinnati.....	May 5.....	1		
Columbus.....	Apr. 16-Apr. 22.....	1		
Fairfield County.....	Apr. 8.....	7	1	
Pennsylvania:				
Philadelphia.....	Apr. 13.....	2		
South Carolina:				
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.
Tennessee:				
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. 28.....	5		
Memphis.....	Jan. 22-Apr. 30.....	4		
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		
Sprowles.....	Mar. 1-Mar. 31.....	1		
Texas:				
Brownsville.....	Feb. 26.....	1		
Columbus.....	Feb. 2-Apr. 2.....	30	7	
Virginia:				
Colburn.....	Feb. 1.....			Do.
Norfolk.....	Mar. 1-Mar. 10.....	2		
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		

Immigration report, Portland, Oreg., for month of April, 1898.

Date.	Vessel.	Where from.	No. of immigrants
Apr. 25	British steamship Braemar	Yokohama, Japan.....	34

All passed.

Respectfully, yours,

RUPERT BLUE,
Passed Assistant Surgeon, U. S. M. H. S.

Report of immigration at Boston for the week ended May 14, 1898.

OFFICE OF U. S. COMMISSIONER OF IMMIGRATION,
Port of Boston, May 15, 1898.

*Number of alien immigrants who arrived at this port during the week ended May 14, 1898;
also names of vessels and ports from which they came.*

Date.	Vessel.	Wherefrom.	No. of immigrants.
May 8	Steamship Yarmouth.....	Yarmouth, Nova Scotia.....	56
May 9	Steamship Roman.....	Liverpool, England.....	22
Do....	Steamship Beverly.....	Port Morant, Jamaica.....	2
May 10	Steamship Prince Edward.....	Yarmouth, Nova Scotia.....	25
Do....	Steamship Armenian.....	Liverpool, England.....	22
May 11	Steamship Norseman.....	.....do.....	21
Do....	Steamship Scandinavian.....	Glasgow, Scotland.....	142
May 12	Steamship Yarmouth.....	Yarmouth, Nova Scotia.....	37
May 13	Steamship Halifax.....	Halifax, Nova Scotia.....	66
Do....	Steamship Prince Edward.....	Yarmouth, Nova Scotia.....	21
May 14	Steamship Cephalonia.....	Liverpool, England.....	497
Do....	Steamship Sagamore.....	.....do.....	24
	Total.....		935

GEORGE B. BILLINGS,
Commissioner.

Report of immigration at New York for the week ended May 14, 1898.

OFFICE OF U. S. COMMISSIONER OF IMMIGRATION,
Port of New York, May 17, 1898.

*Number of alien immigrants who arrived at this port during the week ended May 14, 1898;
also names of vessels and ports from which they came.*

Date.	Vessel.	Where from.	No. of immigrants.
May 8	Steamship Rotterdam.....	Rotterdam.....	312
Do....	Steamship La Touraine.....	Havre.....	338
May 9	Steamship Furnessia.....	Glasgow.....	296
Do....	Steamship Cymric.....	Liverpool and Queenstown.....	413
May 10	Steamship Aragonia.....	Stettin.....	117
Do....	Steamship Friesland.....	Antwerp.....	241
May 11	Steamship Ems.....	Genoa and Naples.....	862
May 12	Steamship Frederich der Grosse.....	Bremen.....	400
Do....	Steamship Lahn.....	.....do.....	248
Do....	Steamship Majestic.....	Liverpool and Queenstown.....	565
May 14	Steamship Augusta Victoria.....	Hamburg.....	332
Do....	Steamship Patria.....	Marseilles and Naples.....	1,082
Do....	Steamship Campana.....	Liverpool and Queenstown.....	501
	Total.....		5,697

THOMAS FITCHIE,
Commissioner.

Report of immigration at Philadelphia for the week ended May 14, 1898.

OFFICE OF U. S. COMMISSIONER OF IMMIGRATION,
Port of Philadelphia, May 14, 1898.

*Number of alien immigrants who arrived at this port during the week ended May 14, 1898;
also names of vessels and ports from which they came*

Date.	Vessel.	Where from.	No. of im- migrants.
May 7	Steamship Norfolk.....	Glasgow	6
May 8	Steamship Ethelred.....	Jamaica	11
Do....	Steamship Bishopsgate.....	Newport, England.....	2
May 9	Steamship Belgenland.....	Liverpool and Queenstown	201
May 11	Steamship Alesia.....	Hamburg.....	56
Do....	Steamship Navahoe.....	Haiti.....	2
Do....	Steamship Buckingham.....	St. Lucia.....	4
Total.....			282

JNO. J. S. RODGERS,
Commissioner.

Pass Cavallo, Tex.....								No report	
Port Royal, S. C.....	May 14							do	
Providence, R. I.....								No transactions	
St. Helena Entrance, N.C.	May 7	Ger. bk. Isabel	May 1	Para	Savannah			No report	3
Round Island, Miss.....	do.	Am. sc. Eileaser	Apr. 23	Santiago	Port Tampa				2
Savannah, Ga.....		W. Clark ^(c)						May 2	26
Tampa Bay, Fla.....		Am. sc. D. H. Rivers ^(g)	Apr. 30	Olenfuegos				do.	
		Am. sc. E. W. Hopkins	May 1	do				May 7	
		Am. sc. Orisaba	May 5	Vera Cruz					

a Previously reported.

Reports of States and yearly and monthly reports of cities.

CALIFORNIA—*Los Angeles*.—Month of April, 1898. Estimated population, 103,000. Total deaths, 158, including phthisis pulmonalis, 32; enteric fever, 4, and diphtheria, 3.

Oakland.—Month of April, 1898. Estimated population, 75,000. Total deaths, 75, including phthisis pulmonalis, 12, and diphtheria, 2.

Sacramento.—Month of April, 1898. Estimated population, 30,000. Total deaths, 54, including phthisis pulmonalis, 5; enteric fever, 3, and diphtheria, 1.

San Diego.—Month of April, 1898. Estimated population, 22,000. Total deaths, 16. No deaths from contagious diseases.

COLORADO—*Colorado Springs*.—Month of April, 1898. Estimated population, 22,000. Total deaths, 24, including 8 from phthisis pulmonalis.

CONNECTICUT.—Month of April, 1898. Reports to the State board of health from 167 towns having an aggregate population of 881,992 show a total of 1,197 deaths, including phthisis pulmonalis, 147; enteric fever, 3; scarlet fever, 2; diphtheria and croup, 26; measles, 9, and whooping cough, 11.

MARYLAND—*Cumberland*.—Month of April, 1898. Estimated population, 12,729. Total deaths, 13, including phthisis pulmonalis, 1; enteric fever, 1, and diphtheria, 2.

MASSACHUSETTS—*Fitchburg*.—Month of April, 1898. Estimated population, 28,392. Total deaths, 38, including phthisis pulmonalis, 5; enteric fever, 1, and whooping cough, 1.

MICHIGAN.—Week ended May 7, 1898. Reports to the State board of health from 67 observers indicate that intermittent fever and remittent fever increased, and that measles decreased in area of prevalence. Phthisis pulmonalis was reported present during the week at 151 places; measles at 64, scarlet fever at 25, diphtheria at 18, enteric fever at 15, and whooping cough at 14 places.

MINNESOTA—*St. Paul*.—Month of April, 1898. Estimated population, 215,582. Total deaths, 116, including phthisis pulmonalis, 23; enteric fever, 3; scarlet fever, 2; diphtheria, 3, and measles, 9.

Winona.—Month of April, 1898. Estimated population, 22,000. Total deaths, 15, including 3 from phthisis pulmonalis.

NEW HAMPSHIRE—*Concord*.—Month of April, 1898.—Estimated population, 18,000. Total deaths, 23, including 1 from phthisis pulmonalis.

NEW YORK—*Auburn*.—Month of April, 1898. Estimated population, 30,000. Total deaths, 37, including 5 from phthisis pulmonalis.

Buffalo.—Month of April, 1898. Estimated population, 360,000. Total deaths, 401, including phthisis pulmonalis, 44; enteric fever, 7; diphtheria, 5; scarlet fever, 1, and whooping cough, 1.

OHIO—*Cleveland*.—Month of April, 1898. Estimated population, 370,000. Total deaths, 443, including phthisis pulmonalis, 22; enteric fever, 5; measles, 2; diphtheria, 8, and whooping cough, 1.

Columbus.—Month of April, 1898. Estimated population, 135,000. Total deaths, 171, including phthisis pulmonalis, 23; enteric fever, 2; measles, 7, and whooping cough, 2.

PENNSYLVANIA—*Williamsport*.—Month of April, 1898. Estimated population, 35,000. Total deaths, 20, including phthisis pulmonalis, 1, and enteric fever, 1.

TENNESSEE—*Nashville*.—Month of April, 1898. Estimated population, white, 54,595; colored, 33,159; total, 87,754. Deaths, white, 55; colored, 65; total, 120, including phthisis pulmonalis, 16, and measles, 1.

UTAH—*Salt Lake City*.—Estimated population, 70,000. Total deaths, 48, including phthisis pulmonalis, 3; enteric fever, 1; diphtheria, 1; measles, 2, and whooping cough, 1.

WASHINGTON—*Seattle*.—Month of April, 1898. Estimated population, 70,000. Total deaths, 62, including phthisis pulmonalis, 2; enteric fever, 2; diphtheria, 3, and measles, 1.

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.	May 7	105,287	41	4						2	1	1	1	
Do	May 14	105,287	38	1									3	
Ashtabula, Ohio	May 7	8,338	1											
Do	May 14	8,338	8									1	1	
Binghamton, N. Y.	do	35,005	11	3										
Boston, Mass.	do	448,477	200	23						1		5	1	1
Bristol, R. I.	May 7	5,478	4											
Do	May 14	5,478	6	1										
Brockton, Mass.	May 7	27,294	10	1										
Brownsville, Tex.	Apr. 9	6,134	9											
Do	Apr. 16	6,134	6											
Do	Apr. 23	6,134	6	2										
Do	Apr. 30	6,134	3	1										
Butler, Pa.	May 14	8,734	2											
Cambridge, Mass.	do	70,028	23	2										
Charleston, S. C.	May 7	a54,955	b40	4										
Chicago, Ill.	Apr. 30	1,099,850	493	39						23		7		5
Do	May 7	1,099,850	521	61						22	1	7		5
Do	May 14	1,099,850	432	46						16	3	5	3	4
Cincinnati, Ohio	May 13	296,908	107	14						4		1	1	1
Cleveland, Ohio	May 14	261,353	123	7						2				
Columbus, Ohio	May 13	88,150	36	5						1				1
Dedham, Mass.	Apr. 23	7,123	2											
Detroit, Mich.	May 14	205,876	101	9								2		
Dubois, Pa.	do	6,149	4											
Dunkirk, N. Y.	May 7	9,416	3											
Erie, Pa.	May 14	40,634	19	4							1			
Everett, Mass.	May 7	11,068	2											
Fall River, Mass.	May 14	74,396	34	6										
Fitchburg, Mass.	May 7	22,037	8	1										
Galveston, Tex.	Dec. 3	29,084	12	1						1				
Do	Dec. 10	29,084	21	1						1				
Do	Dec. 17	29,084	14	2						1				
Do	Dec. 24	29,084	16	1								1		
Do	Dec. 31	29,084	6	3										
Grand Rapids, Mich.	May 14	60,278	33	2						2				
Green Bay, Wis.	May 7	9,069	5							1				
Haverhill, Mass.	May 14	27,412	11	3										
Jersey City, N. J.	May 8	163,003	56	4							3	2		
Johnstown, Pa.	May 14	21,805	9	2										
Lawrence, Mass.	May 7	44,654	19	1								1		
Do	May 14	44,654	16	1							1	1		
Lowell, Mass.	do	77,696	25	1							2	1		
Lynchburg, Va.	do	19,709	6											
McKeesport, Pa.	May 7	20,741	8							1				
Manchester, N. H.	May 14	44,126	12								1			
Massillon, Ohio	May 7	10,092	1											
Medford, Mass.	May 14	11,079	3	1										
Melrose, Mass.	May 7	8,519	7											
Middletown, N. Y.	do	7,681	3	1										
Milwaukee, Wis.	May 14	204,468	55	5						1				1
Nashville, Tenn.	do	76,168	5											
New Bedford, Mass.	do	40,733	21	3										
Newburyport, Mass.	May 7	13,947	5											
New Orleans, La.	do	242,039	122	12						2				
New York, N. Y.	May 14	1,515,301	1,282	168						4	26	37	17	12
Norristown, Pa.	do	19,791	9	2										
North Adams, Mass.	do	16,074	7	1										
Oakland, Cal	Apr. 16	46,682	23	5										
Do	Apr. 23	46,682	13											
Do	Apr. 30	46,682	17	1								1		
Do	May 7	46,682	20	1										
Omaha, Nebr.	do	140,452	21											
Oneonta, N. Y.	May 14	6,272	3											
Orange, N. J.	do	18,844	5	2										
Palmer, Mass.	do	6,520	2											
Petersburg, Va.	May 15	22,690	9											
Philadelphia, Pa.	May 14	1,046,994	430	43						6	6	17	5	2
Pittsburg, Pa.	May 7	238,617	101	4								2	3	2
Pittsfield, Mass.	May 14	17,231	8	1										
Plainfield, N. J.	do	11,267	5	1										
Pottstown, Pa.	May 6	13,234	4											
Do	May 13	13,234	2											

a Estimated population, white, 23,870; colored, 36,295. Total, 65,165. b White, 11; colored, 29.

Table of temperature and rainfall, week ended May 16, 1898.

[Received from Department of Agriculture, Weather Bureau.]

Locality.	Temperature in degrees Fahrenheit.			Rainfall in inches and hundredths.		
	Normal.	αExcess.	αDefic'ncy.	Normal.	Excess.	Deficiency.
Atlantic Coast:						
Eastport, Me.....	47		1	.84		.74
Portland, Me.....	53		1	.81		.71
Northfield, Vt.....	53		3	.70	.10	
Boston, Mass.....	55	0		.84		.44
Vineyard Haven, Mass.....	56		2	.76		.16
Nantucket, Mass.....	53		3	.78		.48
Woods Hole, Mass.....	53		1	.77		.47
Block Island, R. I.....	52	0		.91		.61
New Haven, Conn.....	57		3	.84		.14
Albany, N. Y.....	58		2	.70		.10
New York, N. Y.....	59		3	.70	.80	
Harrisburg, Pa.....	59	3		1.08	.62	
Philadelphia, Pa.....	61	1		.70	.80	
New Brunswick, N. J.....	60		2	.82	.88	
Atlantic City, N. J.....	57		3	.57	1.43	
Baltimore, Md.....	68	1		.84	.06	
Washington, D. C.....	63	1		.91		.57
Lynchburg, Va.....	65	1		.91	.39	
Cape Henry, Va.....	64		2	.91		.81
Norfolk, Va.....	65		1	.98		.28
Charlotte, N. C.....	68	0		.98		.58
Raleigh, N. C.....	67		1	1.40	3.40	
Kittyhawk, N. C.....	66		2	.80		.10
Hatteras, N. C.....	66		2	1.05		.85
Wilmington, N. C.....	69		1	.91	.09	
Columbia, S. C.....	71	1		.88		.68
Charleston, S. C.....	72	0		.88		.88
Augusta, Ga.....	71	1		.77		.77
Savannah, Ga.....	72	0		.82		.42
Jacksonville, Fla.....	74		2	.86		.56
Jupiter, Fla.....	75		1	1.29		.39
Key West, Fla.....	79		1	.68	2.02	
Gulf States:						
Atlanta, Ga.....	68	4		.77		.77
Tampa, Fla.....	75		1	.60		.30
Pensacola, Fla.....	74		2	.69		.69
Mobile, Ala.....	73		1	.88		.88
Montgomery, Ala.....	73	1		.87		.57
Vicksburg, Miss.....	73		1	1.12		1.12
New Orleans, La.....	74		2	1.05		1.05
Shreveport, La.....	73		1	.98		.98
Fort Smith, Ark.....	68	4		1.05		.95
Little Rock, Ark.....	69	3		1.38		1.33
Palestine, Tex.....	71		1	1.39		1.29
Galveston, Tex.....	75		3	.83		.42
San Antonio, Tex.....	74		4	.74	.06	
Corpus Christi, Tex.....	75		1	.74	.66	
Ohio Valley and Tennessee:						
Memphis, Tenn.....	70	4		1.02		1.02
Nashville, Tenn.....	67	3		.77		.67
Chattanooga, Tenn.....	68	3		.85		.45
Knoxville, Tenn.....	65	3		.86		.76
Louisville, Ky.....	65	1		.81		.61
Indianapolis, Ind.....	62	0		.91		.21
Cincinnati, Ohio.....	63	1		.77	.23	
Columbus, Ohio.....	61	0		.98	1.82	
Parkersburg, W. Va.....	61	1		.91	.59	
Pittsburg, Pa.....	61	1		.77	.73	
Lake Region:						
Oswego, N. Y.....	53	1		.63	.37	
Rochester, N. Y.....	55	1		.77		.17
Buffalo, N. Y.....	52	4		.77		.17
Erie, Pa.....	55	1		.86	.14	
Cleveland, Ohio.....	56	0		.81		.21
Sandusky, Ohio.....	56	2		.76	.24	
Toledo, Ohio.....	58	0		.77	.43	
Detroit, Mich.....	55	3		.77		.47
Lansing, Mich.....	57	0		.66		.56
Port Huron, Mich.....	51	3		.77		.47
Alpena, Mich.....	47	3		.77		.47
Sault Ste. Marie, Mich.....	46	2		.49		.19
Marquette, Mich.....	47	1		.65		.15
Green Bay, Wis.....	52	2		.87		.87

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

Table of temperature and rainfall, week ended May 16, 1898—Continued.

Locality.	Temperature in degrees Fahrenheit.			Rainfall in inches and hundredths.		
	Normal.	^a Excess.	^a Deficiency.	Normal.	Excess.	Deficiency.
Lake Region—Continued.						
Grand Haven, Mich.....	52	2		.76		.56
Milwaukee, Wis.....	51	5		.77		.87
Chicago, Ill.....	54	2		.84		.74
Duluth, Minn.....	47	3		.79		.79
Upper Mississippi Valley:						
St. Paul, Minn.....	56	0		.75		.75
La Crosse, Wis.....	58	0		.72		.72
Dubuque, Iowa.....	59		3	.86	.24	
Davenport, Iowa.....	59		1	.97		.17
Des Moines, Iowa.....	60		4	1.05		.75
Keokuk, Iowa.....	61		1	.91	.79	
Hannibal, Mo.....	62	0		1.09	1.91	
Springfield, Ill.....	61	1		1.13	.27	
Cairo, Ill.....	66	2		.85		.85
St. Louis, Mo.....	65	1		1.00	.20	
Missouri Valley:						
Columbia, Mo.....	61	3		1.39	2.21	
Springfield, Mo.....	62	5		1.45		1.15
Kansas City, Mo.....	63	1		1.06	2.15	
Topeka, Kans.....	62	0		1.26	.44	
Wichita, Kans.....	63	3		.87	.53	
Concordia, Kans.....	61	1		.95		.65
Lincoln, Nebr.....	60	0		.95		.85
Omaha, Nebr.....	61		3	.95		.25
Sioux City, Iowa.....	58	0		.77		.17
Yankton, S. Dak.....	57	1		.97		.87
Valentine, Nebr.....	54	0		.63	.57	
Huron, S. Dak.....	54	0		.65		.65
Pierre, S. Dak.....	54	2		.49		.19
Moorhead, Minn.....	52		2	.56		.56
Bismarck, N. Dak.....	54	0		.56		.56
Williston, N. Dak.....	53	1		.42		.42
Rocky Mountain Region:						
Havre, Mont.....	52	4		.34		.34
Helena, Mont.....	50	4		.32	1.53	
Miles City, Mont.....	55	3		.49		.29
Rapid City, S. Dak.....	52	4		.76		.66
Spokane, Wash.....	56			.28		
Wallawalla, Wash.....	60	4		.38		.38
Baker City, Oreg.....	53	3		.42		.32
Winnemucca, Nev.....	53	7		.21		.11
Idaho Falls, Idaho.....	52	4		.28		.18
Salt Lake City, Utah.....	58	4		.42		.22
Lander, Wyo.....	51	1		.67		.67
Cheyenne, Wyo.....	50	0		.54	.46	
North Platte, Nebr.....	57		1	.57		.17
Denver, Colo.....	56	0		.70		.40
Pueblo, Colo.....	57	3		.45		.45
Dodge City, Kans.....	62	2		.70	1.20	
Oklahoma, Okla.....	67	3		1.28		1.08
Amarillo, Tex.....	64	2		.43		.43
Abilene, Tex.....	70	0		.78	.92	
Santa Fe, N. Mex.....	55	1		.27		.27
El Paso, Tex.....	72		2	.10		.10
Phoenix, Ariz.....	74	4		.07		.07
Pacific Coast:						
Seattle, Wash.....	55	5		.48		.48
Tacoma, Wash.....	54	4		.56		.56
Fort Canby, Wash.....	53		1	.69		.39
Portland, Oreg.....	57	3		.56		.06
Roseburg, Oreg.....	56	2		.43		.33
Eureka, Cal.....	54		4	.70		.10
Redbluff, Cal.....	64	2		.32	.68	
Carson City, Nev.....	54	2		.14		.04
Sacramento, Cal.....	62		2	.23	.87	
San Francisco, Cal.....	56		6	.20	1.10	
Fresno, Cal.....	68		2	.07	.63	
San Luis Obispo, Cal.....	59		3	.07	.93	
Los Angeles, Cal.....	61		1	.10	1.40	
San Diego, Cal.....	60	0		.08	.12	
Yuma, Ariz.....	77	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 May 20, 1898.

CHOLERA.

Places.	Date.	Cases.	Deaths.	Remarks.
India:				
Bombay	Nov. 24-Nov. 30.....		4	
	Dec. 1-Mar. 1.....		55	
	Mar. 2-Mar. 29.....		11	
	Mar. 30-Apr. 12.....		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.....		96	
	Mar. 27-Apr. 2.....		43	
Madras.....	Nov. 20-Dec. 10.....		8	
	Dec. 4-Dec. 31.....		11	
	Jan. 1-Jan. 28.....		45	
	Jan. 29-Apr. 1.....		31	
Singapore.....	Nov. 1-Nov. 30.....		1	
	Dec. 1-Dec. 31.....		1	
Japan:				
Kansagawa Ken.....	Mar. 24-Apr. 10.....	2	1	
Osaka and Hiogo.....	Mar. 26-Apr. 9.....	2	1	

YELLOW FEVER.

Brazil:				
Bahia.....	Dec. 27.....	3	2	Taken off of Nor. bk. Adonis.
	Dec. 29.....	6		
Ceara.....	Nov. 1-Nov. 30.....		1	
Para.....	Dec. 12-Jan. 1.....		24	
	Jan. 2-Jan. 15.....		22	
	Jan. 16-Feb. 28.....		30	
Ribeirao Bonito.....	Feb. 1-Feb. 28.....	79	19	
Rio de Janeiro.....	Nov. 21-Dec. 4.....	1		
	Dec. 5-Jan. 1.....	8	3	
	Jan. 1-Jan. 29.....	22	17	
	Jan. 30-Apr. 8.....		434	
Sao Carlos de Pinhal.....	Feb. 28.....	46	11	Yellow fever reported.
Santos.....	Jan. 2-Jan. 8.....	1	1	
	Jan. 28-Jan. 29.....	3		
	Jan. 30-Feb. 28.....	21	3	
Sao Paulo.....	Feb. 1-Feb. 28.....	2	1	
Cuba:				
Cienfuegos.....	Dec. 20-Jan. 2.....		2	
	Jan. 3-Jan. 23.....		1	
Habana.....	Dec. 17-Dec. 30.....		6	
	Dec. 31-Jan. 27.....		9	
	Jan. 28-Feb. 17.....		3	
	Mar. 4-Mar. 31.....		4	
Manzanillo.....	Dec. 1-Dec. 31.....		23	
	Jan. 1-Jan. 31.....		9	
	Feb. 14-Feb. 28.....		3	
Matanzas.....	Dec. 15-Jan. 19.....		4	
	Feb. 9-Feb. 23.....		2	
Regla.....	Dec. 31-Feb. 28.....		7	
	Mar. 1-Mar. 24.....		2	
Segua la Grande.....	Dec. 18-Jan. 20.....			A few cases of yellow fever, but impossible to obtain statistics.
Santiago de Cuba.....	Dec. 19-Jan. 29.....		6	
Jamaica:				
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	

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

PLAGUE.

Places.	Date.	Cases.	Deaths.	Remarks.
Arabia:				
Djiddah.....	Mar. 25-Apr. 10.....		29	
China:				
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. 5.....	147	122	
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-Apr. 12.....		1,240	
Calcutta.....	May 3.....			Plague reported. "Sporadic."
Japan:				
Taiwan (Formosa).....	Dec. 23-Apr. 10.....	259	84	
Yokohama.....	Mar. 1-Apr. 11.....	2	1	
Russia:				
St. Petersburg.....	Mar. 26-Apr. 2.....		1	

SMALLPOX.

Bohemia:				
Prague.....	Dec. 12-Jan. 1.....	11		
	Jan. 2-Apr. 16.....	116		
Brazil:				
Pernambuco.....	Dec. 1-Dec. 25.....		8	
Rio de Janeiro.....	Nov. 21-Dec. 4.....	10		
	Dec. 5-Jan. 1.....	9	1	
	Jan. 1-Apr. 8.....	2	1	
Sao Paulo.....	Feb. 1-Feb. 28.....	24	4	
Sorocaba.....	Dec. 16-Jan. 30.....	32	10	
Canada:				
Mallesonneuve.....	Jan. 26-Feb. 16.....	3		
Montreal.....	Jan. 3-Jan. 12.....	3	0	
	Feb. 11-Feb. 16.....	1		
China:				
Hongkong.....	Nov. 7-Dec. 4.....	6	4	
	Dec. 5-Jan. 1.....	11	8	
	Jan. 2-Mar. 26.....	172	100	
Cuba:				
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. 23-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	
England:				
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		
Middlesborough.....	Feb. 9.....	90		
Newcastle on Tyne.....	Mar. 19-Apr. 30.....	7	1	
Southampton.....	Jan. 8-Feb. 12.....	2		
Sunderland.....	Dec. 18-Jan. 8.....	1		
	Feb. 27-Mar. 26.....	4		
West Hartlepool.....	Jan. 9-Jan. 22.....	5		
Germany:				
Hamburg.....	Mar. 6-Mar. 12.....	2		
Gibraltar.....	Dec. 6-Dec. 12.....	1		
	Dec. 27-Apr. 3.....	6		
India:				
Bombay.....	Feb. 9-Apr. 12.....		19	
Calcutta.....	Dec. 19-Dec. 25.....		1	
	Jan. 30-Apr. 2.....		24	

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

SMALLPOX—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
India—Continued.				
Madras.....	Nov. 27-Dec. 3.....	.....	1	
	Dec. 4-Dec. 31.....	.....	3	
	Jan. 1-Jan. 28.....	.....	6	
	Jan. 29-Feb. 4.....	.....	6	
	Feb. 5-Apr. 1.....	.....	48	
Italy:				
Messina.....	Dec. 12-Jan. 8.....	.....	5	
	Jan. 30-Apr. 16.....	.....	3	
Japan:				
Aichi Ken.....	Dec. 28-Mar. 23.....	4	.....
Akita Ken.....	Dec. 28-Apr. 10.....	15	4	
Awomori Ken.....	Dec. 28-Apr. 10.....	34	3	
Chiba Ken.....	Dec. 28-Apr. 10.....	9	.....
Formosa.....	Feb. 4-Mar. 3.....	7	4	
Fukui Ken.....	Dec. 28-Feb. 3.....	1	.....
Fukuoka Ken.....	Mar. 24-Apr. 10.....	1	.....
Fukushima Ken.....	Dec. 28-Apr. 10.....	108	23	
Gifu Ken.....	Feb. 4-Feb. 22.....	1	.....
Gumma Ken.....	Feb. 4-Feb. 22.....	1	.....
Hiroshima Ken.....	Jan. 22-Feb. 3.....	1	.....
Iwate Ken.....	Dec. 28-Apr. 30.....	42	4	
Kagoahima Ken.....	Feb. 4-Feb. 22.....	1	.....
Kanagawa Ken.....	Dec. 28-Jan. 21.....	3	.....
Kochi Ken.....	Dec. 28-Jan. 21.....	1	.....
Miyagi Ken.....	Dec. 17-Dec. 27.....	2	3	
	Dec. 28-Apr. 10.....	72	18	
Miyazaki Ken.....	Jan. 22-Feb. 3.....	3	1	
Nagano Ken.....	Feb. 4-Mar. 23.....	9	5	
Nagasaki Ken.....	Jan. 22-Mar. 23.....	4	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	.....
Tochigo Ken.....	Mar. 24-Apr. 10.....	1	.....
Tokyo Fu.....	Dec. 28-Mar. 23.....	6	.....
Yamagata Ken.....	Jan. 22-Apr. 10.....	34	8	
Yamaguchi Ken.....	Feb. 4-Feb. 22.....	9	.....
Yamanashi Ken.....	Mar. 24-Apr. 10.....	2	.....
Yehime Ken.....	Dec. 17-Apr. 10.....	59	13	
The Hokkaido.....	Dec. 17-Dec. 27.....	70	26	
	Dec. 28-Apr. 10.....	377	98	
Norway:				
Christiania.....	Mar. 20-Apr. 30.....	14	2	
Netherlands:				
Amsterdam.....	Dec. 12-Dec. 24.....	1	.....
Rotterdam.....	Dec. 12-Dec. 31.....	3	1	
	Jan. 1-Jan. 29.....	1	.....
Russia:				
Moscow.....	Nov. 28-Dec. 4.....	1	1	
	Dec. 5-Dec. 11.....	1	1	
	Jan. 1-Apr. 23.....	37	10	
Odessa.....	Dec. 5-Jan. 1.....	53	9	
	Jan. 2-Jan. 29.....	34	7	
	Jan. 30-Apr. 23.....	65	10	
St. Petersburg.....	Dec. 4-Dec. 25.....	35	13	
	Jan. 9-Jan. 29.....	56	19	
	Jan. 30-Apr. 16.....	.....	43	
Warsaw.....	Dec. 19-Apr. 23.....	.....	98	
Scotland:				
Edinburgh.....	Apr. 16-Apr. 30.....	2	.....
Glasgow.....	Dec. 5-Dec. 25.....	3	1	
Leith.....	Apr. 8-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-Apr. 24.....	.....	58	
Uruguay:				
Montevideo.....	Dec. 25-Mar. 19.....	5	.....
Venezuela:				
Puerto Cabello.....	Apr. 2-Apr. 11.....	23	6	
Valencia.....	Apr. 2-Apr. 11.....	54	.....
Wales:				
Cardiff.....	Dec. 18-Dec. 24.....	1	.....

Current quarantine measures.

[Translated in this Bureau from the "Veröffentlichungen des Kaiserlichen Gesundheitsamtes," Berlin, April 27, 1898.]

PLAGUE.

ITALY.—By ministerial order of April 13, the maritime sanitary police regulations passed May 8 and July 15, 1897, are made to apply to arrivals from the Hedjaz, as well as from Canton, Hongkong, and Macao.

TURKEY.—The International Council of Health at Constantinople resolved, April 4, that the 250 discharged soldiers now at Djiddah shall not be permitted to leave that city for the present to return to their homes. The 2,100 other discharged soldiers who have been sent to their homes from Mecca shall be detained at Ras-el-Abaid, 3 houses being assigned to each 700 men, and from there they shall be shipped in two or three steam vessels. Before they quarantine in the Suez Canal, where the season opens, by order of the Egyptian Government, May 1, they shall undergo disinfection of their effects and medical inspection at Camaran. The same measures shall be repeated at Klazomena. After May 1, they will be subject to quarantine at El Tor. There their effects shall be burned and they shall be provided with others.

EGYPT.—The International Council of Health at Alexandria resolved April 6 to suspend the plague regulations against arrivals from Ras-el-Abiad. The minister of the interior reported on the same day that pilgrims who have set out for the Hedjaz shall not be permitted to return home until plague is completely extinct.

STRAITS SETTLEMENTS.—The port of Hongkong was declared infected March 11. All vessels arriving from there shall undergo quarantine until nine days shall have elapsed either since date of departure or date of the last plague death on board, unless dispensed from said quarantine by the health officers.

YELLOW FEVER.

SPAIN.—By royal order of April 11, quarantine is ordered for vessels which left Rio de Janeiro after March 10. By the same order, ports not more than 165 kilometers distance from Rio de Janeiro are declared infected. The royal order of July 28, 1893, is applied to the landing of cargoes in the port of Vigo.

BARBADOS.

Quarantine against smallpox and yellow fever.

BARBADOS, *April 30, 1898.*

SIR: I have been directed by my board to state that Santos, Puerto Cabello, Valencia, and La Guayra have been declared to be infected places under the quarantine act; the latter place in consequence of its being in daily communication with Puerto Cabello, by which means persons from Puerto Cabello can get to this island by the Royal Mail Steamers from La Guayra.

All quarantine restrictions against Jamaica were removed on the 15th instant.

The British consul's reports from Para give the deaths from yellow fever as 37 in January, 26 in February, 15 in March, and 1 to April 14.

Quarantine is also in force here against Bahia, Cuba, Para, and Rio de Janeiro.

I have also been directed to state, and I do so with very much satisfaction, that Her Majesty's consuls at French Guiana, Dutch Guiana, Martinique, and Guadeloupe, the Government of St. Thomas, and the quarantine boards of British Guiana, Trinidad, Grenada, St. Vincent, St. Lucia, Dominica, Antigua, St. Kitts, and Jamaica have agreed to exchange information with the quarantine board of this colony on all matters relating to quarantine which come within their knowledge, which information my board will at once communicate to all other parties to the arrangement. My board venture to think that this arrangement will be found to be of very great advantage to all the parties to it.

As an instance of the facilities afforded by the present quarantine rules and regulations for loading vessels in quarantine, I may mention that the steamship *Horatio* arrived here at 7.10 p. m. on the 18th instant and started to load at 6 a. m. on the 19th; completed loading, taking 1,374 hogsheads and 7,970 bags of sugar, equal to 2,171 tons, and sailed at noon on the 21st, having taken thirty hours to load and stow the 2,171 tons.

By the mail this morning, I received the following letter from the quarantine board of Trinidad:

From the secretary to the quarantine authority, Trinidad, to the clerk of the quarantine board, Barbados.

APRIL 28, 1898.

I have the honor to acknowledge the receipt of your letter of the 16th instant, which was laid before a meeting of the quarantine authority on the 22d instant. At that meeting the board resolved:

That in view of private information received that Caracas and La Guayra were infected with smallpox, the quarantine authority would advise his excellency the governor to declare Caracas and La Guayra infected places within the meaning of section 5 of ordinance 18 of 1893.

These places were accordingly declared infected places.

At a meeting held on the 25th instant to consider a statement made by Dr. Prada relative to the existence of 3 cases of smallpox at the island of Marguerita, Dr. Prada informed the members that he had received the information from private and reliable sources; and in view of the frequent communication between La Guayra and Marguerita and the other ports of the north coast of Venezuela, the quarantine authority advised the governor to declare all the ports on the north coast of Venezuela to the westward of Cape Paria and the islands adjacent thereto to be infected places within the meaning of section 5 of ordinance 18 of 1893.

These ports were also declared infected places accordingly.

This morning the Dutch steamer *Prins Willem II* arrived from La Guayra and Carupano with a certificate from the British minister at Caracas—a copy of which is annexed herewith—and with clean bills of health from the British consuls at Caracas and La Guayra.

At a meeting of the quarantine authority subsequently, the board resolved:

That, in the presence of the certificate of the British minister at Caracas and of the clean bills of health from the British consuls at La Guayra, his excellency the governor be moved to withdraw the notification issued in regard to La Guayra and Caracas and the coast to the westward of Cape Paria and the islands adjacent thereto.

The board resolved further:

That all arrivals from the above-named ports be dealt with under section 11 of ordinance 18 of 1893, as "suspected vessels."

His excellency the governor approved of the resolutions of the quarantine authority, and the *Prins Willem II* was granted pratique. H. W. BRATHWAITE, *Secretary*.

[Certificate.]

I hereby certify that to the best of my knowledge and belief, no case of smallpox has occurred lately at Caracas and La Guayra, and I have, since the outbreak at Valencia

and Puerto Cabello, given instruction that I should, should such case occur, have it immediately reported to me for the information of the Government of Trinidad.

(Signed)

W. H. D. HAGGARD, *H. B. M. Minister, Caracas.*

April 23, 1898.

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

JAS. SANDERSON, *Clerk, Quarantine Board.*

The SUPERVISING SURGEON-GENERAL,

U. S. Marine-Hospital Service.

BRAZIL.

Sanitary report from Rio.

RIO DE JANEIRO, *April 20, 1898.*

SIR: I have the honor to transmit the reports for two weeks ended April 1 and April 8. The official last week's statistics are not yet ready.

During these two weeks there were 808 deaths from all causes, comparing with the foregoing fortnight, an increase of 2; 73 deaths from *accesso pernicioso*, an increase of 34; 141 deaths from yellow fever, an increase of 11; 3 deaths from typhoid fever, a decrease of 5; 19 deaths from beriberi, a decrease of 1, and 109 deaths from tuberculosis, an increase of 9.

From the newspapers, I can send you the following extract: During the week ended April 15 there were 414 deaths from all causes; 10 deaths from *accesso pernicioso*, 66 deaths from yellow fever, 51 deaths from different fevers, and 18 deaths from beriberi.

Report of the Vaccination Institute, concerning the service during the year 1897, for smallpox.

The number of vaccinations in the institute was 2,241; revaccinations, 355; total, 2,596.

The law requires obligatory vaccination till the sixth month of life. Six hundred and fifteen cases are subject to this law. One thousand six hundred and twenty-six vaccinated persons are between 6 months and 40 years old. Of the 2,241 vaccinated, 807 did not return. Without exception, the result was favorable in 1,434 persons. The revaccinated, between 5 and 25 years old, are, for the most part, persons who want for their purposes certificates of vaccination effected.

In houses crowded with people were vaccinated 2,032 persons, and revaccinated 599. In inns and boarding houses of lower class a great number of vaccinations were done; in private houses 100 vaccinations and 249 revaccinations.

During the year 1896, the schools of the city of Rio de Janeiro were revised; during the year 1897, the schools of the suburbs; 68 and 1,330 pupils have been vaccinated and 2,792 revaccinated.

In different establishments and manufactories, 390 vaccinations and 1,015 revaccinations were done.

Three hundred and seventy-three streets with 1,677 houses were revised, and there has been vaccination 4,152 times and revaccination 4,655 times. Altogether were performed 6,393 vaccinations and 5,010 revaccinations; 108,026 tubes of lymph have been distributed.

During the year 1897, were notified 135 cases of smallpox, of which 93 cases were in soldiers. Death occurred in 2 cases. There happened in the month of September, 13 cases; October, 42 cases, November, 36 cases, and December, 15 cases of smallpox.

Since January of last year, a "gabinete bacteriologico" exists, joined to the institute. Of 26 cases of diphtheria, which were declared to the authorities, the bacteriological examination was executed 14 times, of which 12 times the examination was made in the institute.

Three patients died of diphtheria.

Through the institute were distributed gratuitously 273 bottles with serum, prepared by Roux, and 86 bottles of serum antistreptococcique, prepared by Marmorek.

Since last report, the following-named ships have been inspected and received bills of health from this office: April 14, steamship *Atala*, British, for St. Lucia, West Indies. April 16, steamship *Wordsworth*, Belgian, for New York; steamship *Palatine*, British, for St. Lucia, West Indies; steamship *Coleridge*, British, for New York. April 18, steamship *Carolina*, French, for New Orleans. April 19, steamship *Eastern Prince*, British, for New York; bark *Artisana*, British, for Pensacola. April 20, steamship *Severn*, British, for Baltimore; steamship *Herschel*, British, for New York; steamship *Asti*, German, for New York.

Respectfully, yours,

W. HAVELBURG, M. D.,

Acting Sanitary Inspector U. S. M. H. S.

The SUPERVISING SURGEON-GENERAL,

U. S. Marine-Hospital Service.

CHINA.

Plague in Hongkong and Canton.

PORT TOWNSEND QUARANTINE,

Port Townsend, Wash., May 3, 1898.

SIR: In connection with the recent increase of plague in Hongkong (78 cases and 50 deaths in two weeks ended April 5, 1898), it may be of interest to repeat statements made to me yesterday by the surgeon of the steamship *Columbia*, just arrived from Yokohama. While the ship lay at Hongkong, he went to Canton. The only report obtainable indicated 10 deaths from plague in the previous two weeks; but he passed many funeral processions during the day, and gained the impression that the disease was prevailing to a greater extent than reported. He also mentioned that a physician in Hongkong (and I infer it to be Dr. J. M. Atkinson, the British colonial surgeon in charge of the government hospitals), in his investigations of plague, has discovered the bacillus of plague in the bodies of the common fleas, and infers that these may be a prolific source of the contagion, as they are to be found everywhere.

Respectfully yours,

S. D. BROOKS,

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

The SUPERVISING SURGEON-GENERAL,

U. S. Marine-Hospital Service.

TURKEY.

Sanitary report from Constantinople.

LEGATION OF THE UNITED STATES,

Constantinople, May 3, 1898.

SIR: I have the honor to transmit Dr. Zavitziano's health report No. 190 on the subject of the bubonic plague at Djiddah.

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

JAMES B. ANGELL.

Hon. SECRETARY OF STATE.

[Inclosure—Report No. 190.]

CONSTANTINOPLE, *May 2, 1898.*

The number of deaths registered in Constantinople from the 14th of March up to the 24th of last April is 1,678. From the 14th to the 20th of March, 314 deaths have been registered, of which 3 were from scarlet fever, 3 from measles, 14 from smallpox, and 6 from typhoid fever. From the 21st to the 27th of March, there have been 309 deaths, of which 2 were from scarlet fever, 7 from measles, 8 from smallpox, and 9 from diphtheria. From the 28th of March to the 3d of April, there have been 295 deaths, of which 1 was from scarlet fever, 1 from measles, 3 from smallpox, 9 from typhoid fever, and 1 from diphtheria. From the 10th to the 17th of April, the number of deaths registered was 249, of which 9 were from smallpox, 6 from typhoid fever, and 4 from diphtheria. From the 18th to the 24th of April, 281 deaths have been registered, of which 4 were from measles, 6 from smallpox, 11 from typhoid fever, and 2 from diphtheria.

It can be observed that at the end of the month of March the epidemics which caused so many deaths began to abate. There are still many fresh cases of la grippe, as well as of measles, but, many as they may be, they do not represent 50 per cent of the number of cases of one or two months ago.

A character of the epidemic of measles of this year is the hyperpyrexia and the relapses which have been so frequently observed. The influenza had a very long course, as well as repeated relapses.

The sanitary news from the provinces of the Turkish Empire is good, though I do not suppose one can rely upon such news. The sanitary conditions of the Turkish provinces are very imperfect. One can read in the local newspapers that the authorities do not supply with food, even bread, the persons who have been arrested and imprisoned.

According to the report forwarded by the sanitary physician of the province of Yemen, famine is raging in the eastern part of the latter province at a distance of 100 hours' march from the coast. The famine is a consequence of the drought. About 80 per cent of the cattle have already perished. There is an epidemic of typhoid fever.

In Djiddah, since April 16, no fresh bubonic plague case has been observed. That is the statement of the official sanitary news cabled every day. It is not necessary to remember that nearly everywhere ignorant people try to hide from the authorities the cases of contagious diseases. In places like Djiddah, people not only hide the patients, but if the authorities insist upon examining the patients, if the latter are women, troubles break out. It has been communicated that 600 soldiers have been sent from Mecca to Djiddah for the execution of the sanitary steps decided on by the International Sanitary Commission, but in spite of the military forces and the stringent orders given by the Sublime Porte, serious troubles have occurred, during which two physicians have been ill-treated and beaten. According to a report written April 5 by the French consul at Djiddah, a Muezzin (or Mussulman priest) has been imprisoned by the authorities for having preached against the sanitary steps and incited to rebellion. Dr. Cozzonis, the Inspector-General of the Ottoman Sanitary Service, who, as already reported, has been sent to Djiddah to take the direction of the sanitary service, wired, directly after his arrival at the latter town, that the steps adopted are illusive. I have the honor to inclose the cablegrams received, as well as the communication signed by the sanitary representatives of England, France, Austria, Italy, and Holland, by which they ask about the adhesion of the Ottoman Government to the decisions of the sanitary conferences of Paris and Venice. Dr. Cozzonis wired, April 25, that public health at Djiddah, as well as at Mecca, is good; that 1 of the 2 physicians attacked and ill-treated is doing well, but is not allowed to examine women at all; that the isolation of Djiddah is illusive. On April 29 he wires again that the sanitary steps taken some days since are slackened. Communication between Djiddah and Mecca already exists. The governor of Djiddah reports to the Ottoman Government that it is nearly impossible to oblige the pilgrims going away from the Hedjaz to embark at Ras-el-as-suad on account of the burning sun, the want of water, and of other provisions.

We know by the British sanitary representative that, according to the British consul at Djiddah and the captain of the steamship *Zubeidah*, the largest steamer fetching pilgrims, that Ras-el-as-suad is a much more convenient place for landing and embarking pilgrims than Djiddah. In fact, from the 32,000 pilgrims landed in the Hedjaz, 14,000 have landed at Ras-el-as-suad.

In consequence of the news, according to which the sanitary steps are slackened and communication between Djiddah and Mecca are free, it has been decided to allow the pilgrims to embark at Djiddah, and at the same time the pilgrims, as well as all the Hedjaz, have been considered contaminated. The arrivals from all the ports of the latter province will be submitted to quarantine.

It may be that no bubonic plague exists at Djiddah or among the pilgrims, but we can not be sure of the fact. During the discussion raised by the communication of the

news wired by Dr. Cozzonis, there has been question about the responsibilities for the facts. I do not suppose that it is easy to state who is responsible for the slackening of the sanitary steps.

According to official news, bubonic plague cases have been observed in Calcutta. This news, which arrived on April 27, was communicated at the last sitting, April 30. On April 12 bubonic plague was declared epidemic at Kurrachee.

SPIRIDION C. ZAVITZIANO,
United States Sanitary Commissioner.

STATISTICAL REPORTS.

CANADA—Windsor—Nova Scotia.—Month of April, 1898. Estimated population, 3,000. Total deaths, 2, including 1 from phthisis pulmonalis.

GREAT BRITAIN—England and Wales.—The deaths registered in 33 great towns in England and Wales during the week ended April 30 correspond to an annual rate of 18.4 a thousand of the aggregate population, which is estimated at 11,218,378. The highest rate was recorded in Liverpool, viz, 30.0, and the lowest in Cardiff, viz, 10.3.

London.—One thousand four hundred and eighty-five deaths were registered during the week, including measles, 107; scarlet fever, 13; diphtheria, 39; whooping cough, 70; enteric fever, 7, and diarrhea and dysentery, 10. The deaths from all causes correspond to an annual rate of 17.2 a thousand. In greater London 1,951 deaths were registered, corresponding to an annual rate of 15.9 a thousand of the population. In the "outer ring" the deaths included 27 from measles, 14 from diphtheria, and 17 from whooping cough.

Ireland.—The average annual death rate represented by the deaths registered during the week ended April 30 in the 23 principal town districts of Ireland was 24.7 a thousand of the population. The lowest rate was recorded in Lurgan, viz, 4.6, and the highest in Tralee, viz, 50.4 a thousand. In Dublin and suburbs 170 deaths were registered, including enteric fever, 2; whooping cough, 3, and diphtheria, 2.

Scotland.—The deaths registered in 8 principal towns during the week ended April 30 correspond to an annual rate of 21.8 a thousand of the population, which is estimated at 1,568,536. The lowest mortality was recorded in Edinburgh, viz, 17.2, and the highest in Perth, viz, 27.2 a thousand. The aggregate number of deaths registered from all causes was 657, including smallpox, 1; measles, 35; scarlet fever, 6; diphtheria, 1, and whooping cough, 34.

UNITED STATES OF COLOMBIA—Carthagera.—Month of March, 1898. Estimated population, 25,000. Total deaths, 21. 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.	
Aix la Chapelle.....	Apr. 23.....	127,667	44										
Amherstburg.....	May 7.....	2,300	1										
Amsterdam.....	Apr. 30.....	506,326	151										
Antwerp.....	Apr. 23.....	282,872	95						1	5	2		
Belfast.....	do.....	304,610	154					16				3	2
Do.....	Apr. 30.....	304,610	151					7	1	2		6	2
Belize.....	May 7.....	13,000	3										
Berlin.....	Apr. 16.....	1,728,201	520					2	2	12	6		
Birmingham.....	Apr. 30.....	505,772	169					2	1	5	2		9
Bluefields.....	Apr. 23.....	3,000	3										
Do.....	Apr. 30.....	3,000	1										
Bombay.....	Apr. 12.....	500,000	α1,303	3		1						15	
Bradford.....	Apr. 23.....	231,260	92									3	2
Do.....	Apr. 30.....	231,260	91					1		1	4		1
Bristol.....	Apr. 23.....	316,900	101									9	
Do.....	Apr. 30.....	316,900	107							1	8		
Brussels.....	Apr. 23.....	531,024	192					2			1	1	1
Calcutta.....	Apr. 2.....	681,560	457	45		2				1	3		
Callao.....	Apr. 16.....	20,000	26										
Catania.....	Apr. 28.....	120,000	48				2	1					
Christiania.....	Apr. 30.....	207,000	97										
Cologne.....	Apr. 23.....	343,999	136					1		3	3		3
Colon.....	May 2.....	8,000	5										
Copenhagen.....	Apr. 16.....	351,000	154						1	1			4
Do.....	Apr. 23.....	351,000	148										2
Crefeld.....	Apr. 30.....	110,000	22							2	1		
Dresden.....	Apr. 16.....	380,400	156							2	4		2
Dublin.....	Apr. 23.....	350,000	156						1	1			
Do.....	Apr. 30.....	350,000	170					1	1				
Dundee.....	Apr. 23.....	164,575	84			1		1	1	1			2
Do.....	Apr. 30.....	164,575	75								2		4
Dusseldorf.....	Apr. 23.....	192,898	59						1	1			
Edinburgh.....	do.....	295,628	112					1	1		4		
Do.....	Apr. 30.....	295,628	98					1	1			1	4
Flushing.....	do.....	17,193	2										
Frankfort on the Main.....	do.....	245,000	101							1	1		
Funchal.....	Apr. 24.....	35,665	25					1					
Do.....	May 1.....	35,665	25										
Ghent.....	Apr. 30.....	161,125	55								2		
Gibraltar.....	Apr. 24.....	25,900	12										
Glasgow.....	Apr. 23.....	724,349	315					3	3	3	22	16	
Do.....	Apr. 30.....	724,349	310						4	1	30	16	
Girgenti.....	Apr. 23.....	24,428	7										
Gothenburg.....	do.....	119,754	41							1	1		
Guayaquil.....	Apr. 22.....	50,000	63										
Halifax.....	May 7.....	38,700	16										
Hamburg.....	Apr. 30.....	661,015	253					1	2	2	11		2
Hamilton, Bermuda.....	May 3.....	2,000	0										
Do.....	May 10.....	2,000	3										
Honolulu.....	Apr. 23.....	30,000	33						1				
Kingston.....	May 13.....	19,000	9										
Konigsberg.....	Apr. 23.....	171,700								1	1		
Leeds.....	Apr. 30.....	416,618	149							1	2	7	1
Leghorn.....	May 1.....	104,063	38										
Leipzig.....	Apr. 23.....	422,071	151								5		
Do.....	Apr. 30.....	422,071	178							2	6	3	
Leith.....	Apr. 23.....	76,277	20										
Do.....	Apr. 30.....	76,277	31			1							
Liege.....	Apr. 23.....	166,110	58					1			1		
Liverpool.....	do.....	647,489	283			1	3			3	5		11
Do.....	May 5.....	647,489	373			1	4			2	7		16
Livingston.....	Apr. 30.....	2,000	0										
London.....	Apr. 23.....	6,408,321	1,976					11	12	47	153		63
Lyons.....	do.....	466,028	210						1		2		2
Manchester.....	do.....	541,296	207					4	1		1		6
Mannheim.....	do.....	107,853	44							2	1		
Do.....	Apr. 30.....	107,853	36					1					
Manchester.....	do.....	541,296	184					3	10	5			
Matamoras.....	May 6.....	16,304	3										
Mayence.....	Apr. 30.....	76,984	41								1		
Messina.....	do.....	107,000	32					2					
Moscow.....	Apr. 16.....	1,000,000	486					3	5	9	1		
Do.....	Apr. 23.....	1,000,000	563			1		3	5	12	15		3

α Five hundred and sixty-two deaths from plague.

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.
Munich	Apr. 9	430,000	231							3	2	
Do	Apr. 16	430,000	238							2	3	1
New Castle on Tyne	Apr. 23	223,000	100							1	4	
Do	Apr. 30	223,000	95				1	2			3	5
Nuremberg	Apr. 16	189,720	94							2		
Odessa	Apr. 23	383,000	134					1	1	2	2	
Osaka and Hiogo	Apr. 9	202,912	116				1					
Do	Apr. 16	202,912	102									
Palermo	Apr. 23	273,000	138			1				1		
Paris	do	2,511,955	1,011				2	6	6	33	11	
Do	Apr. 30	2,511,955	1,047				2	1	4	42	11	
Plymouth	do	99,136	35									
Puerto Cortez	May 4	2,000	0									
Quebec	Apr. 30	72,000						1			1	
Do	May 7	72,000								2		
Rio de Janeiro	Apr. 1	750,000			70							
Do	Apr. 8	750,000	382		71		1	2				
Rotterdam	Apr. 30	300,171	158							1	9	
St. Georges	May 7	2,150	0									
St. Petersburg	Apr. 16	1,267,023	629			3	3	27	10	15	8	3
St. Stephens	May 7	3,000	1									
Sanchez	Mar. 5	1,000	0									
Do	Mar. 12	1,000	2									
Do	Mar. 19	1,000	0									
Do	Mar. 26	1,000	1									
Do	Apr. 2	1,000	1									
Do	Apr. 9	1,000	2									
Do	Apr. 16	1,000	2									
Do	Apr. 23	1,000	2									
Schiedam	Apr. 30	26,084	10									
South Shields	do	98,922	37									1
Stettin	Apr. 23	150,000	61									
Stockholm	do	275,000	102					2	2			3
Stuttgart	Apr. 28	162,934	67						1			
Sunderland	Apr. 23	143,849	67								2	2
Do	Apr. 30	142,849	74					3	2		3	3
Trapani	Apr. 23	45,095	16									
Trieste	do	165,000	93						3	2	4	
Venice	do	167,074	59					2		2		2
Vera Cruz	May 5	30,000	33									
Vienna	Apr. 9	1,574,129	748				1	7	4	25	3	
Warsaw	Apr. 23	581,408	204			10	4		9	2	3	3
Zurich	do	158,968	45									

By authority of the Secretary of the Treasury :

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