

# ABSTRACT OF SANITARY REPORTS.

VOL. IX.

WASHINGTON, D. C., NOVEMBER 16, 1894.

No. 46.

TREASURY DEPARTMENT, *U. S. Marine-Hospital Service*.—Published in accordance with act of Congress approved February 15, 1893.

## UNITED STATES.

[Reports to the Supervising Surgeon-General M. H. S.]

### *Smallpox in Washington, D. C.*

WASHINGTON, D. C., *November 14, 1894.*

SIR : I have the honor to report that during the past week there have been 5 new cases of smallpox in the District, as follows, viz : Mary Washington, colored, at No. 300 R street northwest ; 3 cases in the family of Mr. James H. Williams, at No. 606 East Capitol street ; Mrs. Pemberton, employed as nurse and cook at the smallpox hospital. The last case of course requires no explanation. The only history of exposure in the case of Mary Washington is that she resided in the house next to that in which Anderson was taken sick, and from which he was removed to the smallpox hospital, and that she visited these premises. There is a suspicion of a more direct exposure, but at this time it is impossible to prove the same.

The history in the Williams cases is as follows : Mr. L. L. Williams left this city three weeks ago to-day. He was exposed to Mr. Coston during the illness of Ruth Coston. After this exposure he had severe headache and pains in limbs for eight days, during four of which he was confined to bed. Had an eruption on wrists, arms, and forehead, and during the existence of this eruption he walked about his house, sometimes taking his meals with the family. From this city he went to Gainesville, Ga., and during a short stay there he called on a Mrs. J. L. Johnson. From Gainesville he went to Nacooche, Ga., where he remained three or four days, and since then has been in Winder, near Athens, Ga. He is expected to arrive in this city to-day.

It has been ascertained that Miss Ella McLaughlin has also been exposed to infection at the Williams house, and that yesterday she departed for Augusta, Ga., expecting to reside at No. 1128 Green street, in that city. The Bureau has notified the health officer of Augusta of this fact by telegraph. A suspected case was reported to this Bureau at

Jesup, on the Baltimore and Ohio Railroad, 14 miles from Baltimore. This was reported to the State board of health of Maryland, with the request to investigate and report, but at this time the report has not been received. The Williams cases are reported as being 2 cases of smallpox and 1 of varioloid.

Very respectfully,

H. D. GEDDINGS,  
*Passed Assistant Surgeon, M. H. S.*

*Smallpox in Wisconsin.*

MILWAUKEE, November 5, 1894.

SIR: I have the honor to report that since my last communication, October 22, the following concerning smallpox in this State has been reported at this office: Milwaukee City, Milwaukee County, 117 cases, 43 deaths. Present number of cases on hand: In Milwaukee City, 139; in new hospital, 16; in old hospital, 44, and in homes, 79. Milwaukee township, Milwaukee County, 1 case; Wauwatosa, Milwaukee County, 10 cases, 1 death; Franklin, Milwaukee County, 17 cases, 2 deaths; South Milwaukee, Milwaukee County, 1 case; Muskego, Waukesha County, 2 cases, 2 deaths; Spring Prairie, Walworth County, 3 cases; Two Rivers, Manitowoc County, 3 cases, 1 death.

The disease at present exists only in the above-named counties, and is under control at every point except Milwaukee City.

Very truly, yours,

U. O. B. WINGATE,  
*Secretary of State Board of Health.*

*Smallpox at Walkerton, Ind.*

INDIANAPOLIS, November 8, 1894.

SIR: I have to inform you that since my last report 3 more cases of smallpox have appeared at Walkerton, in St. Joseph County. Origin of disease, former cases in the same family. Precautions taken: Quarantine, isolation, and vaccination. Danger of spreading not great.

Respectfully,

C. H. METCALF, M. D.,  
*Secretary State Board of Health.*

*Immunization of horse for serum therapy in diphtheria.*

WASHINGTON, D. C., November 14, 1894.

SIR: I have the honor to report that the immunization of the horse for the preparation of the antitoxine of diphtheria was commenced on November 9 by the subcutaneous injection of  $\frac{1}{2}$  c. C. of the toxines, in accordance with the methods of Profs. Roux and Martin, of the Pasteur Institute, Paris, France.

The injection was followed by very little local or constitutional reaction, the highest temperature of the animal being 38.2° C., and the local

manifestations being limited to a very slight œdema at the point of inoculation, not more than that caused by the subcutaneous injection of any other substance. The injections will be continued at intervals, and the process will be completed in the course of eighty to ninety days.

Very respectfully,

H. D. GEDDINGS,  
*Passed Assistant Surgeon, M. H. S.*

*Smallpox in the United States as reported to the Supervising Surgeon-General Marine-Hospital Service, October 10 to November 14, 1894.*

Places.	Date.	Cases.	Deaths.	Remarks.
District of Columbia:				
Washington.....	Oct. 15-Nov. 6...	11	4	
	Nov. 6-Nov. 14...	5		
Indiana:				
Walkerton.....	Nov. 8 .....	3		
Maryland:				
Charles County, near Glymont.....	Oct. 27-Nov. 3.....	1		
Michigan:				
Cheboygan.....	Oct. 19.....	2		
Detroit.....	Oct. 13-Nov. 3.....	23	7	
Manchester.....	Oct. 20.....			Smallpox reported.
Norvill.....	Oct. 13-Oct. 20.....			Smallpox reported.
Rives township.....	Oct. 13-Oct. 20.....	1		
Royal Oak township.....	Nov. 1.....	1		
St. Johns.....	Oct. 28.....	3	1	
New Jersey:				
Newark.....	Oct. 6-Oct. 13.....	2		
	Oct. 13-Oct. 20.....	4		
New York:				
Brooklyn.....	Oct. 6-Nov. 3.....	3	1	
New York.....	Oct. 27-Nov. 3.....		2	
Pennsylvania:				
Philadelphia .....	Oct. 13-Oct. 20.....	4	1	
	Oct. 20-Oct. 27 ..	5		
Wisconsin:				
Ellsworth .....	Oct. 8-Oct. 22.....	1		
Franklin .....	Oct. 22-Nov. 5.....	17	2	
Liberty.....	Oct. 8-Oct. 22.....	1	1	
Milwaukee.....	Oct. 6-Nov. 3.....	224	82	
Milwaukee township .....	Oct. 8-Nov. 5.....	2	1	
Muskego .....	Oct. 22-Nov. 5.....	2	2	
Spring Prairie.....	Oct. 22-Nov. 5.....	3		
Two Rivers.....	Oct. 22-Nov. 5.....	3	1	
Wauwatosa.....	Oct. 8-Nov. 5.....	14	2	
Wonewec.....	Oct. 8-Oct. 22.....	6		

*Report of immigration at Boston for the week ended November 11, 1894.*

OFFICE OF U. S. COMMISSIONER OF IMMIGRATION,  
*Port of Boston, Mass., November 11, 1894.*

*Number of alien immigrants who arrived at this port during the week ended November 11, 1894; also name of vessel and port from which it arrived.*

Date.	Vessel.	Where from.	No. of immigrants from Russia.	No. of immigrants.
1894. Nov. 6	Steamship Cephalaria.....	Liverpool and Queenstown...	4	375

THOMAS F. DELHANTY,  
*Commissioner of Immigration.*

*Report of immigration at New York for the week ended November 10, 1894.*OFFICE OF U. S. COMMISSIONER OF IMMIGRATION,  
*Port of New York, November 12, 1894.**Number of alien immigrants who arrived at this port during the week ended November 10, 1894;  
also names of vessels and ports from which they arrived.*

Date.	Vessel.	Where from.	No. of immigrants from Russia.	No. of immigrants.
1894.				
Nov. 4	Steamship La Bourgogne.....	Havre.....	1	198
4	Steamship Paris .....	Southampton .....	7	331
4	Steamship Etruria.....	Liverpool and Queenstown ...	2	190
4	Steamship Dania.....	Hamburg.....	32	97
6	Steamship Fulda.....	Genoa.....		138
6	Steamship Amsterdam .....	Rotterdam .....	55	146
6	Steamship Trave.....	Bremen .....	8	157
7	Steamship Polynesia .....	Helsingborg, etc.....		209
7	Steamship State of Nebraska...	Glasgow .....	2	79
8	Steamship Waesland .....	Antwerp .....		110
8	Steamship Havel.....	Bremen .....		157
9	Steamship Alsatia.....	Gibraltar .....		106
10	Steamship Wittekind.....	Bremen.....	35	246
	Total.....		142	2,144

DR. J. H. SENNER,  
*Commissioner of Immigration.**Report of immigration at Philadelphia for the week ended November 10, 1894.*OFFICE OF U. S. COMMISSIONER OF IMMIGRATION,  
*Port of Philadelphia, November 10, 1894.**Number of alien immigrants who arrived at this port during the week ended November 10,  
1894; also names of vessels and ports from which they arrived.*

Date.	Vessel.	Where from.	No. of immigrants from Russia.	No of immigrants.
1894.				
Nov. 7	Steamship Italia.....	Hamburg.....	9	56
7	Steamship Lord Gough .....	Liverpool.....	34	260
8	Steamship Switzerland.....	Antwerp.....	4	134
	Total .....		47	450

JNO. J. S. RODGERS,  
*Commissioner of Immigration.*VESSELS REMAINING, ARRIVING AT, AND DEPARTING FROM UNITED  
STATES QUARANTINE STATIONS.

## DELAWARE BREAKWATER QUARANTINE.

*Week ended November 10, 1894.*

One vessel inspected and passed.

## KEY WEST QUARANTINE.

*Week ended November 6, 1894.*

Name of vessel.	Date of arrival.	Where from.	Destina- tion	Treatment of vessel and cargo.	Date of dep'ture.
Am. schr. Agnes I. Grace*.....	Oct. 30	Jamiaca.....	Punta Gorda	Disinfected.....	Nov. 6.
Am. schr. Anna E. J. Morse....	Nov. 2	Havana .....	do .....	Disinfected and held for observa- tion.	.....

\* Previously reported.

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

## PORT TOWNSEND QUARANTINE.

*Week ended November 3, 1894.*

Two vessels inspected and passed.

## REEDY ISLAND QUARANTINE.

*Week ended November 11, 1894.*

Fifteen vessels inspected and passed.

## SAN DIEGO QUARANTINE.

*Week ended November 7, 1894.*

Two vessels inspected and passed.

## • SOUTH ATLANTIC QUARANTINE.

*Week ended November 3, 1894.*

Name of vessel.	Date of arrival.	Where from.	Destination.	Treatment of vessel and cargo.	Date of departure.
Russian ship Columbus*.....	Oct. 13	Rio .....	Sapelo.....	Disinfected.....	Nov. 3.
Portuguese bark Allianca*.....	Oct. 16	Pernambuco.	Savannah .....	.....do .....	.....
Portuguese bark Atlantico*....	Oct. 18	Rio .....	.....do .....	Held for disinfection.	.....
Italian bark Michael B*.....	Oct. 18	.....do .....	.....do .....	.....do .....	.....
British bark Quiteria.....	Oct. 29	.....do .....	.....do .....	.....do .....	.....

\* Previously reported.

One vessel inspected and passed.

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

CALIFORNIA—*Alameda*.—Month of October, 1894. Estimated population, 14,000. Total deaths, 13, including 2 from phthisis pulmonalis.

*Los Angeles*.—Month of October, 1894. Estimated population, 75,000. Total deaths, 101, including phthisis pulmonalis, 21; enteric fever, 6; and diphtheria, 11.

*Sacramento*.—Month of October, 1894. Estimated population, 30,000. Total deaths, 41, including phthisis pulmonalis, 6; enteric fever, 3; and diphtheria, 2.

CONNECTICUT—*Bridgeport*.—Month of October, 1894. Estimated population, 58,243. Total deaths, 67, including phthisis pulmonalis, 9; enteric fever, 1; diphtheria and croup, 4, and whooping cough, 1.

*Hartford*.—Month of October, 1894. Estimated population, 57,500. Total deaths, 78, including phthisis pulmonalis, 10; enteric fever, 4; and diphtheria, 1.

GEORGIA—*Columbus*.—Month of October, 1894. Estimated population, white, 10,276; colored, 9,027; total, 19,303. Deaths, white, 13; colored, 18; total, 31, including phthisis pulmonalis, 3; and enteric fever, 1.

IOWA—*Dubuque*.—Month of October, 1894. Estimated population, 40,000. Total deaths, 21, including 1 from phthisis pulmonalis.

*Keokuk*.—Month of October, 1894. Estimated population, 20,000. Total deaths, 22, including phthisis pulmonalis, 3; and enteric fever, 3.

KENTUCKY—*Louisville*.—Month of October, 1894. Estimated population, 20,000. Total deaths, 286, including phthisis pulmonalis, 40; enteric fever, 15; and diphtheria, 20.

MAINE—*Portland*.—Four weeks ended November 3, 1894. Estimated population, 40,000. Total deaths, 51, including phthisis pulmonalis, 7; diphtheria, 1; enteric fever, 2; and scarlet fever, 1.

MASSACHUSETTS—*Northampton*.—Month of October, 1894. Estimated population, 16,400. Total deaths, 21, including phthisis pulmonalis, 1; and diphtheria and croup, 3.

*Worcester*.—Month of October, 1894. Estimated population, 98,000. Total deaths, 134, including phthisis pulmonalis, 22; enteric fever, 6; scarlet fever, 1; and diphtheria, 7.

MICHIGAN.—Five weeks ended November 3, 1894. Reports to the State board of health, Lansing, from 301 observers, indicate that compared with the average for corresponding months in the eight years, 1886-'93, typhoid fever was more prevalent and typhomalarial fever and intermittent fever were less prevalent in October, 1894. Including reports by regular observers and others, consumption was reported prevalent in Michigan in the month of October, 1894, at 236 places, typhoid fever at 165 places, scarlet fever at 102 places, diphtheria at 82 places, measles at 10 places, and smallpox at 8 places. Reports from all sources show consumption reported at the same number of places as in the preceding month; typhoid fever at 44 places more, scarlet fever at 29 places more, diphtheria at 21 places more, measles at 4 places more, and smallpox at 6 places more than in the month of September, 1894.

Week ended November 3, 1894. Reports to the State board of health from 58 observers indicate that inflammation of the kidney and diarrhea decreased in area of prevalence. Phthisis pulmonalis was reported present at 233 places, scarlet fever at 54, enteric fever at 69, diphtheria at 39, measles at 8, and smallpox at 6 places (Cheboygan, Detroit, Manchester, and Norvill Township, Royal Oak Township, and St. Johns).

MINNESOTA—*Winona*.—Month of October, 1894. Estimated population, 22,000. Total deaths, 27, including phthisis pulmonalis, 3; and enteric fever, 1.

NORTH CAROLINA.—Month of September, 1894. Reports to the State board of health from 29 towns having an aggregate population of 147,554 (white, 85,850; colored, 61,704), show a total of 185 deaths (white 84, colored 101), including enteric fever, 15; diphtheria, 2; and phthisis pulmonalis, 34.

OHIO—*Cleveland*.—Month of October, 1894. Estimated population, 325,000. Total deaths, 437, including measles, 5; scarlet fever, 56;

diphtheria, 14; whooping cough, 2; enteric fever, 12; and phthisis pulmonalis, 26.

*Hamilton*.—Month of October, 1894. Population, 17,565. Total deaths, 32, including phthisis pulmonalis, 4; enteric fever, 1; diphtheria, 1; and croup, 1.

*Youngstown*.—Month of October, 1894. Population, 33,220. Total deaths, 39, including enteric fever, 1; and whooping cough, 1.

PENNSYLVANIA—*Williamsport*.—Month of October, 1894. Estimated population, 35,000. Total deaths, 18, including enteric fever, 1; diphtheria, 3; and phthisis pulmonalis, 2.

RHODE ISLAND—*Newport*.—Month of October, 1894. Estimated population, 20,000. Total deaths, 25, including 1 from diphtheria.

TENNESSEE—*Chattanooga*.—Month of October, 1894. Population, white, 27,000; colored, 13,000; total, 40,000. Deaths, white, 11; colored, 15; total 26, including 6 from phthisis pulmonalis.

*Knoxville*.—Month of October, 1894. Population, white, 31,273; colored, 9,112; total, 40,385. Deaths, white, 32; colored, 29; total, 61, including phthisis pulmonalis, 13; enteric fever, 4; croup, 1; and whooping cough, 1.

#### PUBLICATIONS RECEIVED.

#### Epidemic of Smallpox at Muncie, Ind., 1893.

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.	Varioloid.	Cholera.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Whooping cough.
Allegheny, Pa.....	Nov. 10.....	105,287	26	12	.....	.....	.....	.....	.....	2	.....	.....	.....
Amesbury, Mass.....	Nov. 9.....	9,798	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Ashtabula, Ohio.....	Nov. 10.....	8,338	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Auburn, N. Y.....	Nov. 10.....	25,858	9	.....	.....	.....	.....	.....	.....	1	.....	1	.....
Augusta, Ga.....	Nov. 9.....	33,300	10	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
Baltimore, Md.....	Nov. 10.....	434,439	173	26	.....	.....	.....	.....	.....	5	.....	10	.....
Bath, Me.....	Nov. 3.....	8,723	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Battle Creek, Mich.....	Nov. 10.....	13,197	3	2	.....	.....	.....	.....	.....	.....	.....	1	.....
Bennington, Vt.....	Nov. 10.....	6,391	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Binghamton, N. Y.....	Nov. 10.....	35,005	10	1	.....	.....	.....	.....	.....	1	.....	1	.....
Boston, Mass.....	Nov. 10.....	448,477	198	14	.....	.....	.....	.....	.....	8	3	28	1
Bristol, R. I.....	Nov. 10.....	5,478	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Brookline, Mass.....	Nov. 2.....	12,103	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Brooklyn, N. Y.....	Nov. 10.....	896,343	364	51	.....	.....	.....	.....	.....	5	1	36	.....
Butler, Pa.....	Nov. 10.....	8,734	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Butte, Mont.....	Nov. 3.....	10,723	3	.....	.....	.....	.....	.....	.....	2	.....	.....	.....
Cambridge, Mass.....	Nov. 10.....	70,028	34	5	.....	.....	.....	.....	.....	.....	1	2	.....
Carlisle, Pa.....	Nov. 10.....	7,620	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Charleston, S. C.....	Nov. 3.....	* 54,955	† 32	4	.....	.....	.....	.....	.....	2	.....	.....	.....
Chester, Pa.....	Nov. 10.....	20,226	11	1	.....	.....	.....	.....	.....	.....	.....	1	.....
Cincinnati, Ohio.....	Nov. 9.....	296,908	123	.....	.....	.....	.....	.....	.....	1	.....	5	.....
Claremont, N. H.....	Nov. 10.....	5,565	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Cleveland, Ohio.....	Nov. 10.....	261,353	109	8	.....	.....	.....	.....	.....	5	29	1	1
Columbus, Ind.....	Nov. 3.....	6,719	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
Columbus, Ind.....	Nov. 10.....	6,719	2	2	.....	.....	.....	.....	.....	.....	.....	.....	.....
Columbus, Ohio.....	Nov. 10.....	88,150	40	6	.....	.....	.....	.....	.....	.....	2	5	.....
Cumberland, Md.....	Nov. 10.....	12,729	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Dayton, Ohio.....	Nov. 8.....	61,220	35	3	.....	.....	.....	.....	.....	.....	.....	2	.....
Dunkirk, N. Y.....	Nov. 3.....	9,416	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Elgin, Ill.....	Nov. 10.....	17,823	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

\* Estimated population, white 28,870, colored 36,295, total, 65,165.

† White 9, colored 23.

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

[illegible]



## 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.	Varioloid.	Cholera.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.
Waltham, Mass.....	Nov. 10.....	18,707	5									1
Wallingford, Conn.....	Nov. 3.....	6,584	0									
Warren, Ohio.....	Nov. 9.....	5,973	0									
Washington, D. C.....	Nov. 10.....	230,392	91									
West Bay City, Mich...	Nov. 10.....	12,981	3	2								
West Chester, Pa.....	Oct. 27.....	8,028	1									
West Chester, Pa.....	Nov. 3.....	8,028	7	2								
Winona, Minn.....	Nov. 3.....	18,208	6	1								
Yonkers, N. Y.....	Nov. 9.....	32,033	12	1						1	1	4
Youngstown, Ohio.....	Nov. 9.....	33,220	10									

Table of temperature and rainfall, week ended November 5, 1894.

[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.....	42	5		1.10		.73
Portland, Me.....	40	8		.98	.23	
Northfield, Vt.....	38	5		.65	1.08	
Boston, Mass.....	47	5		1.09	.55	
Block Island, R. I.....	50	5		.95	.79	
Albany, N. Y.....	46	5		.77	1.41	
New York, N. Y.....	51	3		.89	2.27	
Philadelphia, Pa.....	50	3		.77	2.34	
Atlantic City, N. J.....	51	3		.77	1.27	
Baltimore, Md.....	52	1		.70	1.31	
Washington, D. C.....	51	2		.70	.99	
Lynchburg, Va.....	51	2		.70	1.04	
Norfolk, Va.....	57	2		.79	.18	
Charlotte, N. C.....	56	1		.78	1.45	
Wilmington, N. C.....	60	4		.58	.32	
Charleston, S. C.....	63	3		.79		.46
Augusta, Ga.....	60		1	.75	.80	
Savannah, Ga.....	63	2		.63	.46	
Jacksonville, Fla.....	67	0		.77	2.21	
Titusville, Fla.....	71	0		.86		.06
Jupiter, Fla.....	75		1	.91	1.17	
Key West, Fla.....	77	0		.76		.53
<b>Gulf States:</b>						
Atlanta, Ga.....	56		1	.51	.43	
Mobile, Ala.....	63		2	.89		.47
Montgomery, Ala.....	61		1	.70		.67
Vicksburg, Miss.....	62		5	.98		.58
New Orleans, La.....	66		4	.97		.14
Shreveport, La.....	61		4	1.10		.25
Fort Smith, Ark.....	56		5	.84	.99	
Little Rock, Ark.....	57		3	1.00		.62
Palestine, Tex.....	62		1	1.00	.78	
Galveston, Tex.....	68		3	1.12	.00	
San Antonio, Tex.†.....	63	0		.46		.46
Corpus Christi, Tex.....	68		3	.75		.75
<b>Ohio Valley and Tennessee:</b>						
Memphis, Tenn.....	57		2	1.03		1.00
Nashville, Tenn.....	55		2	.83		.61
Knoxville, Tenn.....	53		3	.91	.11	
Louisville, Ky.....	53		3	.89		.39
Indianapolis, Ind.....	47	0		.78		.34
Cincinnati, Ohio.....	51		2	.75		.15
Columbus, Ohio.....	47	0		.70	.48	
Parkersburg, W. Va.....	49		1	.70	.70	
Pittsburg, Pa.....	49	1		.63	.59	

\*The figures in these columns represent the average daily departure.

†Report missing.

Table of temperature and rainfall, week ended November 5, 1894—Continued.

Locality.	Temperature in degrees Fahrenheit.			Rainfall in inches and hundredths.		
	Normal.	*Excess.	*Deficiency.	Normal.	Excess.	Deficiency.
<b>Lake Region:</b>						
Oswego, N. Y.	42	6		77	1.29	
Buffalo, N. Y.	44	4		89	.31	
Erie, Pa.	47	2		1.03	.93	
Cleveland, Ohio.	46	1		68	.84	
Toledo, Ohio.	46	0		68		.03
Detroit, Mich.	46		1	63	.23	
Port Huron, Mich.	43	2		63	1.00	
Alpena.	39	3		72	.37	
Marquette, Mich.	38	2		63	1.39	
Grand Haven, Mich.	44	1		72	.38	
Milwaukee, Wis.	42	0		51	.07	
Chicago, Ill.	44		2	65		.21
Duluth, Minn.	37	0		42	.67	
<b>Upper Mississippi Valley:</b>						
St. Paul, Minn.	39		1	32	.13	
La Crosse, Wis.	42		2	42	.16	
Davenport, Iowa.	45		3	58	.52	
Des Moines, Iowa.	44		2	65		.02
Keokuk, Iowa.	47		4	51	.72	
Springfield, Ill.	48		5	72	.03	
Cairo, Ill.	53		2	91		.84
St. Louis, Mo.	51		2	68		.31
<b>Missouri Valley:</b>						
Springfield, Mo.	51		3	89	.03	
Kansas City, Mo.	49		2	65	.88	
Wichita, Kans.	49	2		30		.29
Concordia, Kans.	47		1	35		.34
Omaha, Nebr.	45		4	32		.27
Valentine, Nebr.	44		2	14		.04
Huron, S. Dak.	38	0		23		.10
Pierre, S. Dak.	41	1		14		.03
Moorehead, Minn.	33	2		29		.21
St. Vincent, Minn.	30	3		23		.07
Bismarck, N. Dak.	36	2		16	.02	
Williston, N. Dak.	35	3		14		.11
<b>Rocky Mountain Slope:</b>						
Havre, Mont.	36	5		14		.13
Helena, Mont.	38	3		14		.14
Spokane, Wash.	42	3		28		.16
Walla Walla, Wash.	48	1		43		.01
Winnemucca, Nev.	42	5		14		.13
Salt Lake City, Utah.	44	2		35		.04
Cheyenne, Wyo.	40	4		10		.09
North Platte, Nebr.	43	1		09		.09
Denver, Colo.	44	3		21		.16
Pueblo, Colo.	45	0		02		.02
Dodge City, Kans.	48	0		16		.14
Abilene, Tex.	58	1		63		.63
Santa Fe, N. Mex.	43	0		21		.21
El Paso, Tex.	57		2	16		.16
Tucson, Ariz.	62	1		07		.07
<b>Pacific Coast:</b>						
Port Angeles, Wash.	45	0		70		.12
Portland, Oreg.	50	0		1.31		1.05
Roseburg, Oreg.	50	2		77		.29
Red Bluff, Cal.	58	5		54		.54
Sacramento, Cal.	57	5		28		.28
San Francisco, Cal.	58	2		41		.41
Fresno, Cal.	60	1		21		.21
Los Angeles, Cal.	62	1		21		.21
San Diego, Cal.†						
Yuma, Ariz.	66	4		07		.07

\*The figures in these columns represent the average daily departure.

† Report missing.

## FOREIGN.

[Reports received from the U. S. consuls through the Department of State and from other sources.]

*Cholera and yellow fever as reported to the Supervising Surgeon-General M. H. S., May 15 to November 15, 1894.*

## CHOLERA.

Places.	Date.	Cases.	Deaths.	Remarks.
Arabia:				
Mecca.....	June 11.....	.....	.....	Cholera reported.
Austria-Hungary:		94	43	Total to May 29 in all Galicia.
Bukowina.....	June 4-Oct. 7.....	803	420	
	Oct. 8-Oct. 21.....	17	11	
Galicia—				
Bahnitz district.....	July 24-July 30.....	6	3	
Biala district.....	Aug. 27-Sept. 2.....	3	1	
Bobrka district.....	Sept. 3-Oct. 7.....	62	35	
	Oct. 8-Oct. 21.....	88	55	
Bochnia district.....	July 31-Sept. 23.....	18	9	
Bohorocezann district.....	Aug. 13-Oct. 7.....	396	229	
	Oct. 8-Oct. 21.....	22	13	
Borszczow district.....	May 30-Oct. 7.....	554	270	Borszczow, Husiatyn, Nisko, and Tarnoborzeg, June 12-June 19, 31 cases, 15 deaths.
	Oct. 8-Oct. 21.....	29	17	
Brody district.....	Oct. 8-Oct. 14.....	2	.....	
Brzczann.....	Oct. 15-Oct. 21.....	27	16	
Brzesko district.....	Aug. 13-Sept. 2.....	9	4	
Buczacz district.....	July 24-Oct. 7.....	1607	663	
	Oct. 8-Oct. 21.....	99	45	
Bouhajee.....	Aug. 7-Aug. 12.....	3	1	
Cracow district.....	July 10-Oct. 7.....	400	232	
	Oct. 8-Oct. 21.....	16	14	
Chrzanow district.....	Aug. 27-Oct. 7.....	58	20	
Czorkow district.....	July 17-Oct. 7.....	248	127	
	Oct. 8-Oct. 21.....	70	27	
Dabrowa district.....	July 31-Sept. 2.....	19	10	
Dorlice district.....	Oct. 1-Oct. 7.....	8	3	
	Oct. 8-Oct. 21.....	9	7	
Ernbow district.....	Aug. 27-Sept. 2.....	4	2	
Horodenka district.....	July 10-Oct. 7.....	1025	552	
	Oct. 8-Oct. 14.....	.....	2	
Husiatyn district.....	June 19-Oct. 7.....	397	161	
	Oct. 8-Oct. 21.....	51	22	
Ilumacz district.....	July 31-Oct. 7.....	968	483	
	Oct. 8-Oct. 21.....	67	46	
Jaworow.....	Oct. 8-Oct. 21.....	4	2	
Kalusz district.....	Aug. 13-Oct. 7.....	79	42	
	Oct. 8-Oct. 21.....	2	2	
Kamiouka district.....	Sept. 24-Oct. 7.....	97	45	
	Oct. 8-Oct. 21.....	108	66	
Kolbuszow district.....	July 10-Sept. 16.....	10	8	
Kolomea district.....	July 17-Oct. 7.....	287	153	
	Oct. 8-Oct. 21.....	32	24	
Kosow district.....	Aug. 13-Oct. 7.....	148	88	
	Oct. 8-Oct. 21.....	38	19	
Lemberg district.....	Sept. 3-Oct. 7.....	66	49	
	Oct. 8-Oct. 21.....	31	24	
Malhrisch Ostrau.....	Sept. 10-Sept. 16.....	1	.....	
Melec district.....	July 31-Sept. 9.....	5	2	
Mosciska district.....	Sept. 10-Sept. 16.....	1	.....	
Muslenice district.....	Sept. 10-Sept. 16.....	2	2	
	Oct. 15-Oct. 21.....	1	1	
Nadworna district.....	Aug. 13-Oct. 7.....	39	23	
	Oct. 8-Oct. 21.....	1	1	
Nisko district.....	July 17-Sept. 2.....	33	22	

*Cholera and yellow fever, etc.—Continued.*

## CHOLERA—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
<i>Austria-Hungary—Continued.</i>				
Noun Targ-Neumarkt.....	Oct. 1-Oct. 7.....	10	2	
	Oct. 8-Oct. 21....	1	1	
Oldenburg district.....	July 20.....			3 deaths reported.
Podhacze district.....	Aug. 13-Oct. 7.....	294	147	
	Oct. 8-Oct. 21....	25	20	
Przemnsiany district.....	Sept. 10-Sept. 30....	26	14	
	Oct. 8-Oct. 21....	6	3	
Pressburg district.....	Sept. 13.....			Cholera reported.
Rohatyn district.....	Sept. 3-Oct. 7.....	235	124	
	Oct. 8-Oct. 21....	167	99	
Saybusch district.....	July 24-Aug. 19....	35	12	
	Oct. 8-Oct. 14....	3	3	
Skalat.....	July 24-Oct. 7.....	83	59	
	Oct. 8-Oct. 21....	15	9	
Sniatyn district.....	Aug. 7-Oct. 7.....	84	47	
	Oct. 8-Oct. 21....	11	12	
Stanislaw district.....	July 17-Oct. 7.....	431	234	
	Oct. 8-Oct. 21....	25	14	
Tarnossel.....	July 24-Aug. 6.....	3		
Tarno district.....	July 31-Sept. 30....	99	52	
Tarnobrz district.....	July 31-Sept. 16....	112	67	
Tarnopol district.....	Aug. 20-Sept. 30....	2	1	
Trembowla district.....	Sept. 17-Oct. 7.....	14	9	
	Oct. 8-Oct. 21....	28	15	
Turka district.....	Sept. 10-Sept. 16....	1		
Wieliczka district.....	July 24-Sept. 23....	118	68	
Wadowice district.....	Aug. 7-Sept. 23....	22	10	
Zaleszczny.....	June 5-Oct. 7.....	963	572	
	Oct. 8-Oct. 21....	30	21	
Zloczkwow district.....	Sept. 17-Oct. 7.....	96	50	
	Oct. 8-Oct. 21....	93	55	
Zydaczow district.....	Sept. 17-Oct. 7.....	8	6	
	Oct. 8-Oct. 21....	14	5	
Silesia.....	Aug. 20-Sept. 16....	7	3	
<i>Belgium:</i>				
Angleur.....	July 17-Aug. 3....	11	6	
Antwerp province.....	Sept. 16-Sept. 29....	2		
	Sept. 30-Oct. 6....	3		
Brabant province.....	Sept. 30-Oct. 6....	2		
Calloo.....	Sept. 8.....	1		
Charleroi.....	Sept. 8.....	2		Cholera reported.
Chatelmean.....	Aug. 19-Aug. 25....	1		Cholera reported.
Cheratte.....	July 18-Aug. 8....	1	1	
East Flanders province.....	Sept. 16-Sept. 29....	1		
	Sept. 30-Oct. 6....	1		
Ghenée.....	July 29.....	1	1	
Herstel.....	July 18-Aug. 3....		7	
Hougaerde.....	Sept. 9-Sept. 15....	1		
Jemeppes.....	July 23-July 30....		2	To June 25, 50 cases.
Lanaeken.....	Sept. 8.....	1		Cholera reported.
La Roche.....	Sept. 9-Sept. 15....	1		
Lemberg province.....	Sept. 30-Oct. 6....	1		
Liege.....	June 9-Sept. 22....	51	277	In city and suburbs.
	Aug. 5-Sept. 29....	194	303	
Liege province.....	Sept. 30-Oct. 13....		29	
Lineburg.....	Sept. 16-Sept. 29....	3	1	
Marche.....	Sept. 9-Sept. 29....	6		
Marchienne au Pont.....	Aug. 4.....	2		
Mechlin.....	Sept. 9-Sept. 15....	2		
Moll.....	Sept. 8.....	1		Cholera reported.
Montegnee.....	Aug. 7.....		2	
Namur province.....	Sept. 30-Oct. 6....	1		
Neupelt.....	Aug. 29.....	1	1	
Ongrée.....	July 17-July 30....	1	1	
Roclenge.....	Sept. 8.....	1	1	Cholera reported.
Rochefort.....	Sept. 16-Sept. 29....	6		
Seraing.....	June 15-Aug. 31....	21	16	
Spontin.....	Aug. 19-Aug. 25....	1		
Tilleur.....	Aug. 4-Aug. 30....	27	24	
Tirlemont.....	Sept. 16-Sept. 29....	1		
Tongres.....	Sept. 9-Sept. 15....	2		
Tilleur, Jemeppes, and St. Nicholas.....	Aug. 29.....	20	6	
Angleur, Alost, Liege, Montegnee, Seraing, St. Nicholas.....	June 25.....			Cholera reported.

*Cholera and yellow fever, etc.—Continued.*

## CHOLERA—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
<b>Belgium—Continued.</b>				
Angleur, Buleur, Grace, Jemeppe, Montegnee, Tilleur.	June 15-June 30...	90	49	
Angleur, Buleur, Fleron, Grace, Montegnee, Olne, Schlessin, Sommague, Tilleur.	July 18.....			Cholera reported.
Wandre.....	July 18-Aug. 4....	16	11	
<b>Ceylon:</b>				
Colombo.....	Aug. 11.....			1 death on steamship Natal.
<b>China:</b>				
Canton.....	June 25 and July 2			Cholera reported.
Fuchau.....	June 23-June 30...		2	
<b>England:</b>				
London.....	July 28-Aug. 4....	5	1	On vessel from Russia lying in the Thames.
Gravesend.....	Aug. 18.....	1		On steamship Bradford, from St. Petersburg.
<b>France:</b>				
Ardennes (department).....	Sept. 27.....	1	1	
Avignon.....	July 19.....	1		
Bordeaux.....	Aug. 4-Aug. 11.....		6	
Cognac.....	Sept. 17-Oct. 8.....		1	
Department of Finistère.....	Apr. 22-May 25....	26	1	13 localities.
	Sept. 28.....	1	1	
Marseilles.....	Aug. 3-Aug. 18....		60	
Manoel sur Seille.....	Aug. 10.....			2 cases reported.
Mont devant Sassey.....	Aug. 10.....			1 case reported.
Nantes.....	July 7.....			Cholera reported.
	Sept. 4.....			Cholera reported.
Paris.....	May 27-Aug. 19....	14	7	
Rheims.....	June 23-July 7....	2	1	
Rueil.....	July 21-July 22....		2	
<b>Germany:</b>				
Aix la Chapelle.....	Aug. 27-Sept. 24....	5		
Agilla.....	Aug. 13-Aug. 20....	1		
Allenstein and Labian dist..	Sept. 3-Sept. 10....	2	1	
Althof.....	Aug. 13-Aug. 20....	4		
Berlin.....	July 19.....	1		
Bohnsack.....	July 11-July 16....	1		
Brahamunde.....	July 11-July 23....	2		
Briesen district.....	Sept. 3-Sept. 10....	1	1	
Breslau.....	Sept. 12.....	1	1	
Bromberg district.....	Aug. 7-Sept. 3....	17	6	
Burgeln (near Marburg).....	To Sept. 3.....	12	3	
	Sept. 3-Sept. 10....	4	1	
Charlottenberg.....	Sept. 7.....	1	1	
Cologne.....	Aug. 18.....	1	1	
Christefelde.....	July 16-July 23....	2		
Dantzic.....	July 7-Aug. 27....	28	9	4 cases on a boat from Königsberg to Dantzic.
Deutsch Eylau.....	June 28-July 4....	2		
Direchau.....	July 11-July 23....	2		
Dravlitzen.....	Aug. 13-Aug. 20....	2	2	
Duisberg.....	Sept. 8-Sept. 24....	3	2	On vessel from Rotterdam.
East Prussia (government)...	Sept. 11-Oct. 8....	46	6	
	Oct. 15-Oct. 29....	5	2	
Einlage.....	Aug. 13-Aug. 20....	1		
Elbing district.....	Sept. 3-Sept. 10....	2	1	
Emmerich.....	Aug. 13-Aug. 20....	1		
Freinwalde.....	Aug. 20-Aug. 27....	1	1	
Filehue district.....	Aug. 20-Aug. 27....	2		
Fordon.....	July 11-July 23....	2		
Garnsee.....	Aug. 6-Aug. 20....	2		
Gollup.....	July 30-Aug. 27....	9	2	
Grahenhof.....	Aug. 20-Aug. 27....	1	1	
Grandenz.....	July 16-July 23....	2		
Grieslienen.....	Sept. 11.....	15	4	
Grone Walz.....	July 11-July 30....	4		
Grosz Strehlitz.....	Sept. 8-Sept. 14....	1		Infection in bacteriological laboratory.
Hamburg.....	Sept. 15-Sept. 22....	1	1	Cholera reported.
Hohenloehütte.....	Aug. 31.....			
Holm.....	July 30-Aug. 13....	7		
Huntel.....	Aug. 13-Aug. 20....	1		
Johannisburg district.....	Aug. 1-Aug. 27....	54	19	

*Cholera and yellow fever, etc.—Continued.*

## CHOLERA—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
<b>Germany—Continued.</b>				
Josefinen.....	Aug. 8.....	1	1	
Käsemark.....	Aug. 20-Aug. 27....	1	1	
Kattowitz district.....	Aug. 27-Sept. 14....	62	21	
Knuzetrack.....	July 11-Aug. 6....	5	5	
Konigsberg.....	Aug. 12-Aug. 27....	17	9	
Konigsberg district.....	Sept. 3-Sept. 10....	1	1	
Landsberg.....	Aug. 20-Sept. 3....	3	1	
Lubeck.....	July 18.....	1	1	} On steamers during voyage from S t Petersburg.
Lüchow.....	July 30.....	1	1	
Marienburg district.....	Sept. 23-Sept. 29....	1	1	
Mohrunen district.....	Aug. 27-Sept. 10....	14	4	
Myslowitz.....	Aug. 27-Sept. 10....	5	3	
	Aug. 31.....			Cholera reported.
	Sept. 13.....			Cholera reported.
Nakel.....	Aug. 11.....		1	
Neusfahrwasser.....	July 11-Aug. 27....	3		
Neubrich.....	Aug. 13-Aug. 20....	1		
Netze-Warthe district.....	Aug. 13-Oct. 1.....	51	22	
	Oct. 15-Oct. 22....	8		
Niedzwedzen.....	Aug. 13-Aug. 27....	17	7	
Oberschliesen district.....	Aug. 16-Aug. 27....	2	2	
Oppeln.....	Sept. 8-Sept. 14....	1	1	
Ortelsberg.....	Aug. 5.....	1		
Osterode.....	Aug. 13-Aug. 27....	7	3	
Plehnendorf.....	June 14-Aug. 27....	21	3	
Rhine district.....	Sept. 30-Oct. 15....	2	1	
	Oct. 14-Oct. 20....	1		
Rosenberg.....	Sept. 8-Sept. 14....	1	1	
Rosenthal.....	Aug. 20-Aug. 27....	1	1	
Ruhrroan Harbor.....	Aug. 20-Aug. 27....	2	1	On vessel from Rotterdam.
Sagorsch.....	July 30-Aug. 6....	3		In country districts.
Schidlitz.....	July 11-July 23....	5		
Schilno.....	June 14-Aug. 20....	9	2	Another report gives 5 deaths.
Schnarse.....	July 30-Aug. 6....	1		
Schoneburg.....	Aug. 20-Aug. 27....	1	1	
Schubin district.....	Aug. 20-Aug. 27....	5	1	
Siemianowitz.....	Aug. 31.....			Cholera reported.
Silesia district.....	May 25-Oct. 15....	231	83	
	Oct. 14-Oct. 27....	18	9	
Stettin.....	Aug. 27-Sept. 6....	8	4	
Stutthof district.....	Sept. 3-Sept. 10....	1		
Tangermünde.....	Sept. 8-Sept. 14....	1		
Thorn (department).....	July 11-Sept. 10....	32	17	
Torgan.....	Sept. 3-Sept. 10....	1	1	
Troyl.....	Aug. 20-Aug. 27....	4		
Usch.....	Aug. 11.....	1		
Vistula district, West Prus- sia.....	Sept. 11-Oct. 1.....	46	11	
	Oct. 1-Oct. 15....	17	4	
	Oct. 15-Oct. 29....	17	9	
Weichselmunde.....	Aug. 13-Aug. 27....	4	1	
Weisenhohe.....	Aug. 11.....		1	
Wirsitz district.....	Aug. 20-Sept. 3....	7	3	
Wilken.....	Aug. 27-Sept. 3....	4		
At 4 villages near Kolmar.....	Aug. 20-Aug. 27....	6		
<b>Holland:</b>				
Alblasserdam.....	Sept. 7.....		1	
Alkmaar.....	July 14-Aug. 15....	3	2	
Amstelveen.....	Aug. 14-Aug. 25....	3	1	
Amsterdam.....	Aug. 1-Oct. 6....	100	35	
	Oct. 9-Oct. 17....	4		
Arlanberg.....	Sept. 6-Sept. 13....		1	
Ankerveen.....	Oct. 1.....	10	1	
	Oct. 6-Oct. 13....		1	
Barsingerhorn.....	Aug. 2-Sept. 12....	4	1	
Benebroek.....	Aug. 2-Sept. 8....	2	1	
Beverwyk.....	July 14-Aug. 15....	3	1	
Bleslensgraaf.....	July 11-Aug. 8....		2	
Boskoop.....	Sept. 24-Sept. 29....	1		
Broekelen, St. Pieters.....	Sept. 25.....	1	1	
Broenhaven.....	July 11-Aug. 8....	4		
Burgerveen.....	Sept. 5-Sept. 26....	4	3	
Charleroi.....	Aug. 10.....	1	1	
Cosvorden.....	July 24-July 26....		1	
Culemborg.....	Sept. 5-Sept. 12....	1		
Dordrecht.....	Aug. 2-Sept. 6....	4	3	
Dordrecht.....	Aug. 2-Aug. 12....	1	1	
Elsobek.....	Sept. 1.....	1		

*Cholera and yellow fever, etc.—Continued.*

## CHOLERA—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
<i>Holland—Continued.</i>				
Elslo .....	July 18-Sept. 3.	2	.....	On vessels in harbor.
Enkhuyzen .....	Oct. 6-Oct. 13.	1	.....	
Erp .....	July 14-Aug. 8.	.....	1	
Flushing .....	Aug. 27-Sept. 1.	4	2	
Giesendam .....	Sept. 29-Oct. 6.	2	.....	
Goch .....	Aug. 30 Sept. 3.	1	1	
Groenendal .....	July 27.	.....	1	
Haarlem and environs.	July 14-Sept. 30.	20	9	
Haarlemmermeer .....	Aug. 15-Oct. 10.	6	1	
Halfweg .....	Aug. 10.	5	2	
Heemkirk .....	Sept. 5-Sept. 12.	1	.....	Several cases.
Heer .....	Aug. 2-Sept. 1.	3	.....	
Heider .....	Aug. 14-Sept. 19.	3	.....	
Helvoetsluys .....	Sept. 24-Sept. 29.	1	1	
Helvorseer .....	Oct. 1-Oct. 10.	1	.....	
Hengen .....	Sept. 1.	.....	1	
Jdskenhingen .....	Sept. 24-Oct. 6.	5	.....	
Jutfass .....	Sept. 8-Sept. 12.	.....	3	
Kapelle .....	Sept. 6-Sept. 17.	2	1	
Katendrecht .....	Oct. 6-Oct. 20.	2	.....	
Kinderdyk .....	Aug. 21-Aug. 30.	3	3	
Kolhorn .....	Aug. 22.	.....	1	Cholera reported. Including 48 cases and 23 deaths in suburbs.
Kouderkerke .....	Aug. 14-Sept. 12.	.....	1	
Kralingen .....	Oct. 13-Oct. 20.	7	4	
Krommanie .....	Sept. 7-Oct. 6.	3	2	
Kuilenberg .....	Oct. 6-Oct. 13.	1	.....	
Laaudan .....	Aug. 14-Aug. 23.	1	.....	
Landsmeer .....	Sept. 9.	.....	1	
Langerak .....	Sept. 5-Sept. 12.	1	.....	
Langerdyk .....	Sept. 1-Sept. 12.	2	2	
Leyden .....	Sept. 4-Sept. 17.	2	.....	
Lobith .....	July 11-Aug. 29.	1	10	Cholera reported. Including 48 cases and 23 deaths in suburbs.
Maestricht .....	July 14-Aug. 14.	.....	2	
Meern district .....	Aug. 18.	.....	.....	
Middelrode .....	July 18-Sept. 10.	176	84	
Mydrecht .....	Oct. 6-Oct. 13.	8	5	
Nieuwer Amstel .....	July 11-Aug. 8.	.....	1	
Nieukirk .....	July 14-Aug. 8.	1	.....	
Nieuwerpoost .....	Aug. 18.	.....	.....	
North Brabant .....	Aug. 14-Aug. 23.	2	.....	
Oirschat .....	Aug. 27-Sept. 8.	.....	1	
Oostzan .....	Sept. 2.	.....	1	Cholera reported.
Papendrecht .....	Sept. 29-Oct. 6.	1	.....	
Purmerend .....	Aug. 23.	.....	1	
Ragtendrecht .....	Aug. 14-Oct. 10.	3	.....	
Roelfsarendsveen .....	Aug. 23.	1	.....	
Roermond .....	Oct. 13 Oct. 20.	.....	2	
Rotterdam .....	Aug. 2-Aug. 8.	1	1	
Rotterdam .....	Aug. 3-Aug. 25.	8	7	
Rotterdam .....	Aug. 30.	1	1	
Rotterdam .....	Sept. 8-Sept. 22.	3	3	
Spykenisse .....	Aug. 25-Sept. 3.	4	2	1 case reported.
The Hague .....	Oct. 6.	.....	.....	
Tillburg .....	Oct. 6.	.....	.....	
Utrecht .....	Sept. 4-Sept. 12.	6	5	
Utrecht .....	July 14-Oct. 10.	7	6	
Utrecht .....	Oct. 6-Oct. 13.	7	1	
Velzen .....	To Aug. 21.	7	.....	
Vleuten in der Meer .....	Sept. 24-Oct. 10.	6	3	
Vroenhoved .....	July 14-Aug. 10.	2	1	
Waddingsveen .....	Oct. 13-Oct. 20.	1	.....	
Weesp .....	Oct. 1-Oct. 10.	1	.....	Cholera reported.
Wertgrastyk .....	Oct. 6-Oct. 20.	6	4	
Womerveer .....	July 11-Aug. 8.	.....	1	
Woyrecht .....	July 11-Aug. 18.	1	2	
Wyk-an-Zee .....	July 14-Aug. 8.	1	.....	
Wykenmeer .....	Aug. 28.	1	.....	
Zaandam .....	Sept. 11.	1	.....	
Zutphen .....	July 14-Oct. 10.	4	5	
Zwiggette .....	Sept. 4-Sept. 26.	6	3	
Zwidschalwyk .....	Sept. 17-Sept. 26.	1	.....	
India .....	Aug. 18.	.....	.....	Cholera reported.
Bombay .....	May 16-Sept. 25.	.....	339	
Calcutta .....	May 6-Sept. 15.	.....	346	
Madras .....	Apr. 21-May 4.	.....	2	

*Cholera and yellow fever, etc.—Continued.*

## CHOLERA—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Italy:				
Leghorn .....	June 17-June 23...	1	.....	
Procida .....	Aug. 31 .....	1	.....	
Japan:				
Hio-go .....	July 14-Aug. 18...	6	3	
Russia:				
Archangel .....	Sept. 9-Sept. 15...	9	4	
	Sept. 16-Sept. 29...	197	98	
Astrakhan (government)....	July 8-Sept. 8....	111	78	
	Sept. 9-Sept. 22...	78	47	
Baku .....	Aug. 19-Sept. 9....	2	1	
	Sept. 9-Sept. 29...	4	3	
Bessarabia .....	July 18-Sept. 29...	1615	617	
Brest (city) .....	July 14-July 19...	19	12	
	July 2-July 20...	34	13	
Cherson (government) .....	Sept. 2-Sept. 4....	52	32	
	Sept. 19-Oct. 6....	29	24	
Courland (government) .....	July 3-Sept. 15...	172	96	
Cronstadt (government) .....	June 20-Aug. 30...	219	80	
Don district .....	Aug. 26-Sept. 8....	8	3	
Estland (government) .....	July 1-Sept. 8....	273	116	
	Sept. 9-Sept. 29...	17	12	
Grodno (government) .....	June 2-Sept. 22...	2781	1208	
Finland .....	To July 22 .....	11	4	
	July 23-Sept. 10...	21	17	
Hangoe (Finland) .....	July 11-July 18...	2	1	
Joachimsthal .....	Sept. 7-Sept. 20...	16	.....	
Kalisch (government) .....	July 8-Oct. 3....	573	259	
Kaluga (government) .....	Aug. 21-Sept. 15...	61	27	
	Sept. 16-Sept. 29...	9	5	
Kasan .....	Aug. 12-Sept. 8....	170	94	
	Sept. 9-Sept. 30...	68	47	
Kieff (city) .....	Sept. 13-Sept. 29...	52	45	
Kielce (government) .....	June 17-Aug. 24...	5815	2807	
	Aug. 22-Oct. 2....	1353	789	
Kjasan .....	Aug. 12-Aug. 18...	99	43	
Kostroma .....	July 29-Sept. 15...	407	162	
	Sept. 16-Sept. 29...	76	28	
Kovno (government) .....	May 6-Sept. 29...	619	259	
	Sept. 30-Oct. 13...	26	7	
Kursk (government) .....	Sept. 2-Sept. 8....	2	.....	
Livland (government) .....	To Aug. 13 .....	45	23	
	Aug. 12-Sept. 22...	284	132	
Lodz Government. ....	Aug. 13 .....	231	143	
Lomza (government) .....	July 21-Sept. 19...	513	359	
	Sept. 16-Sept. 29...	1	2	
Lublin (government) .....	July 29-Oct. 2....	434	215	
	Oct. 3-Oct. 19...	110	49	
Minsk .....	July 29-Sept. 29...	539	228	
Moscow (city) .....	Aug. 29-Aug. 31...	1	1	
Mohilev .....	Aug. 4 .....	4	2	
	Sept. 16-Sept. 22...	6	4	
Mlava (city) .....	May 28-May 29...	20	10	
Narva (city) .....	July 3-Sept. 20...	105	44	
Novgorod (government) .....	July 8-Sept. 15...	2022	1034	
	Sept. 16-Oct. 6....	117	83	
Olonetz (government) .....	July 4-Sept. 15...	432	231	
	Sept. 16-Sept. 29...	73	39	
Pensa .....	Aug. 26-Sept. 2....	1	1	
	Sept. 23-Sept. 29...	14	6	
Perm (government) .....	Aug. 19-Sept. 8....	92	36	
	Sept. 9-Sept. 29...	113	40	
Petrikov (government) .....	May 13-Oct. 5....	4484	2320	
	Oct. 6-Oct. 20...	73	46	
Plock (government) .....	May 6-Sept. 29...	3164	1634	Includes city of Ciechanow, June 1 to 19, 157 cases, 74 deaths.
Podolia (government) .....	May 9-Sept. 29...	1653	688	
Poltava .....	Sept. 23-Sept. 29...	7	4	
Pskov .....	Aug. 19-Sept. 15...	95	40	
	Sept. 16-Oct. 6....	6	1	
Radom (government) .....	May 6-Oct. 4....	6097	3059	
Revel .....	July 12 .....	.....	1	
Riga .....	Aug. 14-Sept. 26...	342	176	
	Sept. 27-Oct. 23...	14	8	
Ryāsan (government) .....	Aug. 12-Sept. 8....	801	356	
	Sept. 9-Oct. 6....	301	175	
Samara .....	Aug. 12-Sept. 15...	123	64	
	Sept. 16-Oct. 6....	54	28	



*Cholera and yellow fever, etc.—Continued.*

## CHOLERA—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
<b>Russia—Continued.</b>				
Saratov .....	Aug. 14-Sept. 29...	330	260	
St. Petersburg (gov't).....	July 1-Sept. 15...	2069	546	
	Sept. 16-Oct. 10...	74	22	
St. Petersburg (city).....	July 1-Oct. 5.....	4512	2214	
	Oct. 9-Oct. 22.....	19	8	
Serenetz (government).....	July 10.....	11	5	
	July 16.....	13	6	
Simbirsk.....	Sept. 16-Oct. 6.....	28	16	
	Aug. 19-Sept. 15.....	16	8	
Smolensk .....	July 22-July 28.....	1	1	
Tambov.....	Sept. 16-Oct. 6.....	79	47	
Tambov (government).....	Aug. 19-Sept. 15.....	35	20	
Teschernigov.....	Sept. 30-Oct. 6.....	10	6	
Taurida.....	Sept. 13-Sept. 26.....	9	4	
Tiflis.....	Sept. 23-Sept. 29.....	3	1	
Tobolsk.....	Aug. 25-Aug. 30.....	6	.....	
	Sept. 16-Sept. 22.....	15	10	
Tomsk.....	July 22-July 28.....	16	5	
Tula (government).....	May 20-Sept. 15.....	57	11	
Tver.....	Aug. 12-Sept. 8.....	24	7	
	Sept. 16-Sept. 29.....	16	10	
Ufa.....	Sept. 4-Sept. 19.....	6	3	
Viatka (government).....	Aug. 13-Sept. 9.....	37	23	
	Sept. 9-Oct. 6.....	7	7	
Vladimir.....	Aug. 19-Sept. 15.....	81	44	
	Sept. 16-Oct. 6.....	279	156	
Volhynia.....	Aug. 7-Sept. 22.....	164	58	
Warsaw (government).....	Apr. 28-Oct. 5.....	5971	2963	
	Oct. 6-Oct. 23.....	17	11	
Warsaw (city).....	May 6-Oct. 7.....	1334	573	
Werchnye Sselo.....	July 16.....	30	9	
Witibst.....	July 22-Sept. 15.....	326	131	
	Sept. 16-Oct. 6.....	88	26	
Wologda.....	Aug. 13-Sept. 9.....	9	4	
	Sept. 9-Oct. 6.....	8	3	
Yaroslav.....	July 22-Sept. 15.....	488	215	
	Sept. 16-Sept. 29.....	111	48	
Ykaterinoslav.....	Aug. 26-Sept. 15.....	36	10	
	Sept. 16-Oct. 6.....	79	46	
Zedletz.....	July 16-Oct. 4.....	1645	821	
Kiev, Mohilev, Orel, Pskow, Jaroslav, Smolensk.	Aug. 10.....	10	8	
<b>Spain:</b>				
Lucena.....	Aug. 9.....	1	1	
<b>Sweden:</b>				
Stockholm and Fejan Quar- antine Stations.	July 4-Aug. 19...	29	5	
<b>Turkey:</b>				
Adana.....	Sept. 1-Sept. 14...	16	10	
Adrianople.....	July 12-Sept. 11...	342	204	
	Sept. 29-Oct. 7.....	16	8	
Akschehi.....	June 27.....	3	1	
Akserei.....	June 30-July 3.....	7	6	
Angora.....	May 31-Sept. 23.....	1251	715	
	Sept. 24-Oct. 1.....	8	8	
Arabson.....	June 30-July 3.....	.....	1	
Avanas.....	June 8-June 26.....	27	.....	
Bey Bazar.....	Sept. 27.....	.....	.....	Cholera reported.
Broussa.....	Sept. 27.....	.....	.....	Cholera reported.
Ben Bunar.....	May 10-May 21.....	.....	7	
Biledjik.....	Oct. 1-Oct. 5.....	6	4	
Bogazlian.....	June 3-June 19.....	21	.....	
Constantinople.....	Apr. 1-Apr. 30.....	.....	5	
	Oct. 3.....	.....	.....	Cholera reported.
Daniaseus.....	Aug. 29-Sept. 17.....	13	7	
Divriki.....	May 24-June 22.....	7	3	
Erbaa.....	June 5-June 24.....	19	.....	
Erzingen.....	Aug. 15.....	6	3	
Ezeroum.....	Apr. 17-Sept. 22.....	697	362	
	Oct. 2-Oct. 6.....	51	38	
Gumusuch Hadji.....	June 26.....	1	.....	
Harpoet.....	Aug. 11-Aug. 18.....	.....	.....	
Hodja.....	Sept. 2.....	1	1	
Hudavendkiar.....	July 22-Sept. 24.....	439	326	
	Sept. 27-Oct. 6.....	21	13	
Iskilih.....	May 19-June 1.....	.....	85	
Izneek.....	Aug. 4.....	.....	3	
Jozgat.....	May 31-June 1.....	.....	3	

*Cholera and yellow fever, etc.—Continued.*

## CHOLERA—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
<i>Turkey—Continued.</i>				
Kadikoi.....	May 16-June 26....	3	15	Includes vicinity.
Kaisceci.....	June 21-June 26....	359	.....	
Kastamouni.....	May 5-Sept. 8.....	146	168	
Kaza von Zeila.....	May 16-June 26....	.....	145	
Kirschehr.....	June 3-June 27....	130	.....	
Kouia.....	May 13-Sept. 17....	501	325	Cholera reported.
Lule Burgas.....	Sept. 17-Sept. 20....	2	3	
Maaden.....	Sept. 29-Oct. 2.....	24	14	
.....	June 26.....	2	.....	
.....	Aug. 9.....	.....	.....	
Mahmurat el Aziz.....	May 13-Sept. 17....	685	302	Several cases.
Marsowan.....	June 21-Aug. 18....	4	.....	
Milan.....	March 19-Apr. 16....	41	27	
Mustapha Pasha.....	July 31-Aug. 10....	20	10	
.....	Sept. 15.....	.....	.....	
Musch.....	Sept. 18.....	.....	2	Cholera reported.
Nebk.....	Sept. 2-Sept. 6....	8	4	
Neuschehr.....	June 30.....	.....	1	
Niksar.....	May 27-May 30....	.....	11	
Oolash.....	Aug. 11-Aug. 18....	.....	.....	
Sandjak Ismid.....	Aug. 29-Sept. 13....	41	35	Cholera reported.
Sansoum.....	May 29.....	12	6	
Sivas.....	Apr. 15-Aug. 12....	5325	1687	
Sparta.....	July 21.....	.....	.....	
Tokat.....	May 17-June 27....	67	23	
Torodik.....	Sept. 29.....	12	7	Cholera reported.
Trebizond.....	May 16-June 29....	50	5	
Trokia.....	Aug. 22.....	1	.....	
Tschataldga.....	Aug. 9.....	.....	.....	
Unia.....	June 18-June 19....	11	.....	
Urgup.....	May 18-July 3....	15	2	Cholera reported.
Vau.....	Sept. 20.....	.....	.....	

## YELLOW FEVER.

<b>Brazil:</b>				
Rio de Janeiro.....	Apr. 29-Sept. 15.....	438		
Santos.....	Oct. 6-Oct. 13.....	2		
<b>Cuba:</b>				
Cardenas.....	July 1-Sept. 15.....	158	28	
Cienfuegos.....	Apr. 29-Oct. 29.....	40	58	
Cruces City.....	Aug. 1.....			Fever reported.
Guantanamo.....	June 1-Aug. 31.....	12	11	
Havana.....	Apr. 27-Oct. 18.....	749	288	
	Oct. 18-Nov. 8.....	55	21	
Manzanillo.....	July 1-Aug. 31.....	4	2	
Manzcaragna.....	Aug. 1.....			Yellow fever reported.
Matanzas.....	June 20-Oct. 17.....	100	26	
Sagua la Grande.....	July 1-July 7.....		1	
Santiago de Cuba.....	Apr. 26-Oct. 27.....	102	29	
<b>Ecuador:</b>				
Guayaquil.....	May 4-May 10.....	3		
<b>Honduras:</b>				
Nacaome.....	Apr. 8-Apr. 28.....	5		
<b>Mexico:</b>				
Laguna.....	Sept. 13.....			Yellow fever reported.
Vera Cruz.....	Apr. 27-Oct. 18.....	197		
<b>Nicaragua:</b>				
Granada.....	Sept. 14.....			} Yellow fever reported to be epidemic.
Managua.....	Sept. 14.....			
<b>Panama:</b>				
Panama.....	Sept. 13.....	1		Yellow fever reported. (Infection at Guayaquil.)
<b>Salvador:</b>				
La Libertad.....	Aug. 3.....			Yellow fever reported.
San Salvador.....	July 14-Aug. 25.....	26	15	
	Sept. 10-Sept. 30.....		49	
<b>West Indies:</b>				
Antigua.....	Apr. 29-May 5.....	1	1	
Puerto Rico (San Juan).....	June 4-Sept. 6.....	184	29	Confined to barraeks. Fever not among shipping.
<b>Port of Spain (Trinidad):</b>				
	July.....		1	
<b>Yucatan:</b>				
Merida.....	May 25-May 31.....		1	
<b>Venezuela:</b>				
Maracaibo.....	Sept. 15-Sept. 29.....	7	1	

*Status of cholera in Europe and Asia.*

WASHINGTON, D. C., November 9, 1894.

SIR: I have the honor to submit the following report regarding the spread of cholera in Europe for the period from October 17 to 24:

It will be observed that there is very little change in the situation. While there are a few more cases in one place, there is a reduction in others; but, on the whole, it may be concluded that the epidemic is on the decline.

*Germany.*—From October 15 to 22, at midday, the following cases and deaths were reported:

East Prussia: 4 cases, 1 death. At the control station at Grabenhof, district of Labiau, 1 death; at Königsburg, 4 cases, all seamen.

District of the Vistula: 17 cases and 7 deaths. Of these, 14 cases and 6 deaths took place in two small places in the district of Elbing, and 2 cases and 1 death in a prison at Marienburg. One case occurred at Kurzebrack, district of Marienwerder.

Netze-Warthe district: 8 cases, all occurring in Nakel.

Upper Silesia: From October 14 to 20, 10 cases and 5 deaths. Of these, 6 cases and 3 deaths occurred in three small places in the district of Kattowitz, and 1 case in a small place in the district of Gros-Strelitz; 3 cases and 2 deaths were reported in two small places in the district of Plesz.

District of the Rhine: 1 case occurred at Neuwiev, in the person of a physician who had been attending people ill with cholera.

At the meeting of the Imperial cholera commission (reported in the *Kölnisches Zeitung*) it was stated that cholera was disappearing rapidly from Germany, though several cases had occurred lately in the Rhine district.

A dispatch from Berlin, dated October 20, 1894, is as follows:

Five cases of cholera are reported from the neighborhood of Königsburg and Elbing, in East Prussia, and 3 from West Prussia.

*Austria-Hungary.*—In Galicia, between October 8 and 14, there were reported 546 cases and 327 deaths from cholera, and in Bukowina, during the same period, there happened 10 cases and 8 deaths.

*Cholera in Austria-Hungary.*

Political district.	Communities.	Cases.	Deaths.
GALICIA.			
Lemberg (city) .....	1	2	3
Lemberg (district).....	1	15	10
Cracow (city).....	1	3	1
Cracow (district).....	6	9	7
Bobrka.....	7	41	21
Bohorodczann.....	5	11	6
Borszczow.....	6	11	4
Brody.....	1	2	.....
Buczacz.....	13	46	22
Czortkow.....	5	21	7
Dorlice.....	1	7	5
Horodenka.....	2	.....	2
Husiatyn.....	3	8	4
Jaworow.....	1	2	1
Kalusz.....	1	2	1
Kamionka-Strumilowa.....	10	78	45
Kolomea.....	6	11	11
Kosow.....	4	25	15
Nadworna.....	1	1	1
Nown-Targ.....	1	1	1
Podhajce.....	8	16	14

*Cholera in Austria-Hungary—Continued.*

Political district.	Communities.	Cases.	Deaths.
<b>GALICIA—Continued.</b>			
Przemyslany.....	1	1	1
Rohatyn.....	15	70	39
Saybusch.....	1	3	3
Skalat.....	3	9	4
Sniatyn.....	4	9	8
Stanislaw.....	6	15	8
Tlumacz.....	11	29	28
Trembowla.....	2	4	2
Zaleszczuki.....	5	13	9
Zloczow.....	13	58	33
Zydaczow.....	1	3	2
<b>BUKOWINA.</b>			
Czernowitz (district).....	2	6	6
Kotzman.....	1	3	1
Radautz.....	1	1	1
Storozynetz.....	1	.....	1

A dispatch from Vienna, dated October 25, 1894, is as follows :

The cholera, which is steadily decreasing in Galicia and Bukowina, has made its first appearance in Moravia, where 3 cases are stated to have occurred.

According to the latest reports, 6 deaths have taken place in Bukowina and 52 in Galicia during the last twenty-four hours.

*Belgium.*—According to report dated October 15, there were in the week ended October 6, in the province of Liège, 19 deaths from cholera. The disease is said to have disappeared entirely from the city of Liège, no cases having occurred since October 1, and it seems probable that it will also soon disappear from the province. In the other Belgian provinces 4 cases were reported, and these cases occurred in Houp-pertingen (province of Lemberg), 3 cases in Willebroeck (province of Antwerp). Besides these, 1 case occurred in each of the following places: Pontillas (province of Namur), Rupelmonde (province of East Flanders), Steendorp and Brain le Chateau (province of Brabant).

*Netherlands.*—In the month of July there were reported 11 deaths from Asiatic cholera and the same number from cholera nostras in Belgium. From the 6th to the 13th of October the following cases and deaths were reported: In North Holland, 1 case in Enkhuyzen, 1 death in Ankeveen, 2 cases and 1 death in Weesp (in the province of Utrecht), and 1 death also occurred in the city of Utrecht. In the Meern, altogether, occurred 8 cases and 5 deaths. In Amsterdam, up to October 8, there had been 100 cases and 35 deaths. On October 9, 1 new case was reported. In Kralingen, near Rotterdam, also in Capelle, on the Yssel, each 1 case. In Nederhorstder-Burg and in Hilversum, each 1 doubtful case reported.

*Russia.*—In the city of St. Petersburg, between the 9th and 15th of October, 13 cases and 4 deaths. In the government of Warsaw, 6th to 11th of October, 1 case and 4 deaths. In the government of Petrikau, from the 6th to the 10th of October, 20 cases and 10 deaths. In the government of Lublin, between October 3 and 8, 33 cases and 13 deaths. A dispatch from St. Petersburg, dated October 20, 1894, is as follows :

During the past week there have been 9 cases of cholera and 5 deaths in this city. In Warsaw, from the 7th to the 13th instant, there were no cases or deaths. In the government of St. Petersburg there were 4 cases and 1 death, and in the government of Warsaw, from September 30 to the 13th instant, 28 cases and 11 deaths.

*Turkey.*—In Constantinople no new cases are reported. In the provinces, on the 10th of October, the following cases and deaths are reported: In vilayet Kouia, in Boskiar, between the 17th and 20th of September, 2 cases and 3 deaths. In Hodja, on September 2, 1 case and 1 death. In vilayet Angora, in Beibazar, from the 24th of September to the 1st of October, 8 cases and 8 deaths. In vilayet Hudavenkiar, in Broussa, from the 27th of September to the 6th of October, 21 cases and 13 deaths. In Biledjik, from the 1st to the 5th of October, 6 cases and 4 deaths. In vilayet Ezeroum, in Musch, from the 2d to the 6th of October, 51 cases and 38 deaths. In vilayet Adrianople, in Lula Burgas, from the 29th of September to the 7th of October, 16 cases and 8 deaths. In Torodik, on September 29, there occurred 12 cases and 7 deaths. Between the 1st and 4th of October there were no additional cases and no deaths.

*India.*—In Calcutta, between September 9 and 15, there were 6 deaths from cholera.

Maj. Gen. Charles Moorson writes to the London Times on the subject of a recent epidemic of cholera that ravaged the ranks of the First East Lancashire Regiment at Lucknow, and produced "a splendid display of discipline, *esprit de corps*, and all that makes a battalion what it should be." He gives at some length extracts from the regimental paper, The XXX, and from some letters he has lately received, and from these extracts we select the following:

It is necessary as a regimental record that this number of the XXX should contain a short account of the terrible epidemic that has fallen upon us since our last issue. \* \* \* As a horrible nightmare will August, 1894, long live in the recollections of the survivors. \* \* \* The first case of cholera occurred on July 25, and on the morning of the 26th we buried two victims of this fell disease. On the 28th the order was received that the regiment was immediately to go out into cholera camp. The long and unusual drought of our recent hot weather culminated on the night of the 28th by the break of the heaviest rainfall that Lucknow has known for many years; innumerable thunder storms and quantities of rain continuing without cessation for nearly the whole of the three weeks we were in camp, the severity of this rainfall being such as to cause an increase from 3 inches to 44 inches within the first ten days. From the commencement of this rain our camp was transformed into one large lake; drainage was impossible, and the water lay all over the camp and within the tents to a depth of 1 or 2 feet. The tents were wet through, and, of course, in many instances came down. Owing to exposure the epidemic increased with alarming rapidity, and the afternoon of the 31st found the regiment on its march to No. 5 sanitary camp. During the following four or five days the regiment passed through just about as bad a time as can be imagined. Wet through, worn out by exhaustion and extremely hard fatigues, they fell easy victims to this terrible disease. On August 3 as many as 50 men were admitted to hospital, and for several days the mortality was as much as 15 a day. Surgeon-Captains Thompson and Pilcher, with their assistants, did herculean work in hospital, and those associated with them at that time will never forget their untiring efforts under the most unfortunate circumstances and beset on all sides with the most overwhelming difficulties.

#### QUARANTINE NOTICES.

Cyprus, October 23: Sir W. J. Sendall, high commissioner for Cyprus, telegraphs to the Colonial office as follows: "Ten days' quarantine on arrivals from Gulf Ghemlek between Boz, Burnu, and Mudania, inclusive."

Constantinople, October 24: Quarantine on arrivals from Sea of Marmora, from Touzla, exclusive, to Panderma, inclusive, raised to five days.

Athens, October 22: Medical inspection substituted for quarantine on arrivals from ports between Enos and Maronia, both inclusive.

Sofia, October 15: The detention to passengers arriving in Bulgaria from Turkey in Europe otherwise than by Orient express has been reduced to twenty-four hours' with disinfection of luggage.

Constantinople, October 20: Arrivals from Gulf of Ghemlek between Boz Burnu and Mudania, both included, subject to ten days' quarantine at Touzla.

Respectfully, yours,

FAIRFAX IRWIN,  
Surgeon, M. H. S.

*Current quarantine measures.*

[Translated in this office from Des Kaiserlichen Gesundheitsamtes, October 31, 1894.]

*German Empire.*—The Imperial health commissioner for the Elbe provinces, under date of October 16, has directed the closing of the inspection stations at Rathenow, Tangermünde, and Lauenburg. Official sanitary inspection of the Rhine was discontinued October 26.

*Prussia—Posen.*—By official order of October 23 the regulations prohibiting the attendance of Russians at the weekly fairs held in towns on the frontier were rescinded.

*Oppeln.*—Under date of October 24 the following districts in Galicia are officially declared infected: Rohatyn, Kamionka, Strumilowa, Zloczow, Buczacz, Czortkow, Husiatyn, Tlumacz, Katzmann, and Horodenka. Declaration of all arrivals from these districts is required and importation of soiled clothing prohibited.

*France.*—Sanitary inspection and disinfection at Marseilles were discontinued October 9.

*Russia.*—Official orders of October 22 declare Lublin and Potmaidani suspects and direct quarantine measures against those districts.

*Turkey.*—The twenty-four hours' quarantine of observation for vessels arriving from the Karamanian coast was discontinued October 11. Inspection of vessels arriving from the Mediterranean Sea are still inspected at Tschanak-Kale. Vessels arriving from an infected port destined for a port on the Sea of Asov, the Danube, or the Black Sea may, if found to be free from cholera plague and yellow fever, be allowed to proceed up the Straits of the Dardanelles, provided they do not touch at any intermediate port.

*Greece.*—The ten days' quarantine against the Karamanian coast has been discontinued.

BRAZIL.

*Sanitary report of Rio de Janeiro.*

RIO DE JANEIRO, October 2, 1894.

SIR: I have the honor to transmit herewith report for week ended September 29, 1894. Again we have passed a week without a single death from yellow fever, whilst there were in this last week 3 more from *accesso pernicioso* than in the previous one, 1 more death from smallpox (5 in all), 2 less from typhoid fever (3 in all), and none from beriberi. The total from all causes was 217, being 48 less than in the former week. On the whole, the result shows that the health of the port has been excellent. No event of especial sanitary interest has occurred during the week.

Since last report, the following-named ships have been inspected or received bills of health from this office: September 25, German bark

*Nanny*, for New Orleans, La.; September 26, English bark *Glandinorwig*, for Portland, Oreg.; September 27, English steamship *Altmore*, for New York (second visé); September 28, British steamship *Sardinian Prince*, for New York, N. Y.; September 28, British steamship *Halley*, for New Orleans, La.; September 29, British steamship *Imperial Prince*, for New Orleans, La.; September 29, British bark *County Antoin*, for Portland, Oreg.; October 1, Belgian steamship *Galileo*, for New York; October 2, Norwegian bark *Crown Prince*, for Pensacola, Fla.

Respectfully, yours,

R. CLEARY, M. D.,  
Sanitary Inspector, M. H. S.

RIO DE JANEIRO, October 16, 1894.

SIR: I have the honor to inclose report for the week ended October 13, 1894:

One yellow-fever death occurred during the week. There were 5 deaths from *accessio pernicioso*, being the same as in the week before; 5 deaths from smallpox, an increase of 3; 3 from typhoid fever, an increase of 1; while beriberi, whooping cough, and influenza have disappeared from the list. The total from all causes was 235, an increase of 8 over the foregoing week. On the whole, the health of the port is excellent, as it is nearly always at this season of the year. The death from yellow fever is not to be taken as a serious indication, for the disease is always present here, and the past three weeks were without any deaths whatever from this cause, an unusual occurrence.

*Whooping cough*.—This disease is now declining, though it has been rife amongst the children in the suburbs of the town. It has caused very few deaths.

*Influenza*.—I hear nothing more of this disease here.

Since last report I have inspected or given bills of health to the following-named ships: October 9, 1894, steamship *Maskelyne*, English, for New York; October 10, 1894, bark *Henry A. Litchfield*, American, for Barbadoes, W. I.; October 11, 1894, steamship *Freshfield*, English, for New York; October 13, 1894, bark *Natant*, Norwegian, for Pensacola, Fla.

Respectfully, yours,

R. CLEARY, M. D.,  
Sanitary Inspector, M. H. S.

CUBA.

*The water supply of Havana.*

HAVANA, ISLAND OF CUBA, November 4, 1894.

SIR: The present or new water supply of Havana has as its source several large springs found among the hills 18 kilometers from the city in a southwesterly direction, in the valley of a small river called Almendares, at a point called Vento. The water issues from the springs in great abundance at about 2 meters above the level of the river, and is collected in an artificial basin of masonry, semicircular in form and 30 meters in diameter.

The wall separating it from the river is 12 meters high and 2 meters thick at the top, and through this dike the overflow from the springs is allowed to run into the river below. As the springs are on the opposite side of the river from Havana, the water is carried from the basin immediately through a tunnel under the Almendares by two iron si-

phonic conductors or pipes 1 meter in diameter, which discharge on the city side of the river directly into the canal or aqueduct proper, which aqueduct runs 14 kilometers across the country to the lately constructed reservoir at Palatino, a place sufficiently elevated to command the city.

The aqueduct, which is mined or sunk more or less in the earth a greater part of the way, is ovoid in shape, with a vertical diameter of  $2\frac{1}{2}$  meters and a horizontal one of 2 meters. The walls of it are of stone masonry and hydraulic cement up to where it begins to arch over, when it is constructed of brick. It is aerated or ventilated by means of towers 500 meters apart throughout its course.

As this aqueduct was begun in 1854, forty years ago, it is said that the roof is imperfect in places, being disturbed by the roots of an occasional small tree which has grown on its top.

After years of vexatious delay financial arrangements were consummated, so that in January, 1889, the present distributing reservoir at Palatino was commenced, and in January, 1892, it and its auxiliaries were completed, and since that time Havana and its suburbs have been supplied with water directly from the springs at Vento, it is believed, without any admixture or contamination. This reservoir, which is of stone masonry, is divided by a very thick wall into two equal compartments 72 meters square, which will hold 80,000 cubic meters. Across this thick division wall is continued the original aqueduct to the front of the reservoir, where its waters are finally deposited in one or both compartments, as may be desired. By an appropriate construction, the surplus of water is conveyed into a small stream that empties into the harbor. The apparatus for the distribution of the water to Havana and its different suburbs is in a kind of well at the front end of the division wall, which will receive water from one or both compartments, or directly from the aqueduct. Over this is a kind of monumental structure.

From this well radiate four iron pipes or conductors. One 0.50 meter in interior diameter supplies the suburb called "Jesus del Monte" with water; another of equal caliber joins the aqueduct Ferdinand VII; another 0.30 meters in diameter furnishes the suburb called the Cerro, while the fourth or principal one, 1.10 meters in interior diameter, supplies the city proper. The latter, after being conveyed 4 kilometers in and on the ground and over 22 arches across a swampy place near the city slaughter houses, finally reaches the highest point in the city at the junction of the Calzadas de la Reina, Belas coain, and Carlos Tercero, where the distribution to the different parts of the city begins. Besides such of the old pipes as have been utilized there have been laid 150 kilometers of new ones, varying in caliber from 0.60 meter to 0.10 meter, which is the smallest.

In respect to valves, etc., modern methods have been substituted for the old ones, and the apparatus for fires, which formerly were only 60, have been increased to 400 in number.

From 1878 to 1892 the city and suburbs were imperfectly and insufficiently supplied with water, coming in part from Vento in a round-about way through a canal and the aqueduct of Ferdinand VII, and in part by an open aqueduct, from the Almenderas River, which ran unprotected and uncovered through the thickly-populated "Cerro" and the outside of the city, receiving in its course filth from bath houses, kitchens, water-closets and stables, dead animals from its banks, with occasionally a dead human body.

It was calculated that only about 18,000 cubic meters of this adulterated water were supplied to the city and suburbs for a population of



over 300,000, and the complaints were frequent and loud, particularly during dry and hot weather.

To-day the consumption of the spring water is twice as much, and can be increased very much more, for the springs in Vento furnish 120,000 cubic meters of water daily, and the conducting pipes from the reservoir at Palatino to Carlos Tercero can bring 80,000 cubic meters per day.

The cost of the works from the receptacle at the springs in Vento (begun in 1854, and often interrupted for want of funds), including the canal or aqueduct to the reservoir at Palatino, was nearly \$5,000,000, and the reservoir with the distribution service, begun in January, 1889, and finished in January, 1892, cost nearly \$2,000,000. For all this supply of water and outlay there is no sewerage to correspond.

The few sewers that there are in the city are badly made of pervious material, so uneven in their course and so leaky that the city would be better off without them.

It is already being reported that many houses, as also the city generally, are damper than before the new supply of water, and naturally this must obtain and increase until some appropriate drainage system is constructed.

Occasionally one hears of some method of sewerage the city being contemplated, and quite recently the aguntamiento, with the cooperation of the captain-general, tried to effect a loan of \$15,000,000, some of which was to be used for that purpose, but for some reason it failed. It is possible, and I would not say improbable, that something in the way of draining this place will be done before long, but in the meantime such diseases as thrive in heat, moisture, and filth will continue, perhaps increase.

In November, 1889, Dr. J. L. Zamore, the distinguished professor of chemistry in the university here, was requested by the governor and aguntamiento to make a chemical analysis of the waters in the receptacle at the Vento springs, and the following is the result:

In one liter :	Grams.
Chloride of sodium.....	0·01275
Chloride of calcium.....	0·01888
Sulphate of magnesia.....	0·01776
Carbonate of calcium.....	0·22530
Carbonate of magnesia.....	0·00665
Alumina.....	0·00125
Silica.....	0·00572
Carbonic acid.....	0·08355
Oxygen lost in chloride of calcium.....	0·00272
Total.....	0·37458

It will be seen that the predominating element is lime, making it emphatically a hard water, potable, as the maximum amount of lime allowed in water is more than double, or 5 decigrams. I am not aware that any bacteriological or microscopical examination of the water has ever been made. It is diaphanous, colorless, pleasant to the palate, with no saltish alkaline or sweetish taste.

I wish to say that I am indebted to the superintending engineer of the waterworks, Dr. Joaquin Ruiz, for data in respect to them.

Respectfully, yours,

D. M. BURGESS,  
*Sanitary Inspector, M. H. S.*

*Sanitary report of Santiago de Cuba.*SANTIAGO DE CUBA, *October 27, 1894.*

SIR: I have the honor of sending you the following report on the sanitary condition of the city and port of Santiago de Cuba for the week ending October 27: Four deaths from yellow fever, out of 20 cases, have been registered this week. Typhoid fever has caused 2 deaths and diphtheria 5, the mortality for the whole week being 22. Malarial fevers of the remittent type are very common and abdominal diseases frequent. The port has kept clean until October 25, when one of the officers of the man-of-war *Jorge Juan*, lying in the harbor, was taken to the hospital dangerously ill of yellow fever.

I am, respectfully,

HENRY S. CAMINERO, M. D.,  
*Sanitary Inspector, M. H. S.*

HOLLAND.

*Relative to detention of emigrants at Rotterdam.*ROTTERDAM, NETHERLANDS, *November 2, 1894.*

DEAR SIR: You have been so kind as to write me several times in regard to detention of emigrants and other sanitary matters. I therefore deem it my duty, and privilege as well, to inform you that from the 1st of the present month only Russian and Galician emigrants will be detained at this port. Official instructions received by the consul at Hamburg left it with the seaport consuls of this section to agree among themselves as to the territory from which emigrants should be detained. \* \* \* So far as I know, the same action will be taken by the consuls at Hamburg, Bremen, Amsterdam, and Antwerp.

I write to the consul at Glasgow to inform him of the change.

Very respectfully, yours,

LARS S. REQUE,  
*Vice-Consul.*

FAIRFAX IRWIN,  
*Surgeon, U. S. Marine-Hospital Service, London.*

RUSSIA.

*Cholera in Russia.*ST. PETERSBURG, *October 19, 1894.*

SIR: For the three days ending October 18, the number of new cases of cholera received into the hospitals in this city was 6; there were 2 deaths, and 14 remaining under treatment. In the provinces the disease continues to abate slowly. The following governments only among those mentioned in the last two dispatches from this legation on this subject are reported: Petrikov, August 30 to September 6, 27 deaths; Podolia, August 30 to September 6, 111 deaths; Bessarabia, August 23 to August 29, 34 deaths.

There are no returns from Warsaw, Kielce, Radom, Grodno, or Minsk, but from Lublin, which is also in Poland, from September 16 to 22, there were 15 deaths, as against 75 for the two preceding weeks.

I have the honor, etc.,

HERBERT H. D. PEIRCE,  
*Chargé d'Affaires.*

To the Hon. SECRETARY OF STATE.

## STATISTICAL REPORTS.

AUSTRALIA—*New South Wales—Newcastle.*—Month of August, 1894. Estimated population, 15,329. Total deaths, 17, including 1 from enteric fever.

CANADA—*British Columbia—Victoria.*—Month of October, 1894. Estimated population, 18,000. Total deaths, 27. No deaths from contagious diseases.

CUBA—*Havana.*—Under date of November 3, 1894, the U. S. sanitary inspector reports as follows:

There were 515 deaths in this city during the month of October, 1894. Forty of those deaths were caused by yellow fever, 5 by enteric fever, 15 by so-called pernicious fever, 2 by paludal fever, 2 by diphtheria, 1 by measles, 16 by smallpox, 1 by the grippe, 1 by glanders, 18 by entero-colitis, 13 by dysentery, 4 by cholera infantum, and 17 by pneumonia.

During the week ending November 1 there were 121 deaths in the city, 11 of which were caused by yellow fever, with 27 new cases approximately, 3 were caused by so-called pernicious fever, 2 by diphtheria, 1 by measles, 4 by smallpox, 1 by the grippe, 4 by entero-colitis, 3 by dysentery, and 3 by pneumonia.

There were 114 deaths in this city during the week ending November 7, 1894. Five of those deaths were caused by yellow fever, with 15 cases, approximately, 1 was caused by enteric fever, 1 by diphtheria, 5 by smallpox, 1 by the grippe, 4 by entero-colitis, 6 by dysentery, and 2 by pneumonia.

None of the deaths from yellow fever during the week occurred in the military hospital.

FRANCE—*Marseilles.*—Month of September 1894. Estimated population, 406,919. Total deaths, 1,024, including smallpox, 23; enteric fever, 28; scarlet fever, 2; diphtheria, 10; measles, 2; and whooping cough, 5.

GREAT BRITAIN—*England and Wales.*—The deaths registered in 33 great towns of England and Wales during the week ended October 27 corresponded to an annual rate of 18·5 a thousand of the aggregate population, which is estimated at 10,458,442. The lowest rate was recorded in Croydon, viz, 10·2, and the highest in Sunderland, viz, 26·8 a thousand.

*London.*—One thousand four hundred and eighty-one deaths were registered during the week, including measles, 24; scarlet fever, 17; diphtheria, 49; whooping cough, 18; enteric fever, 14; and diarrhea and dysentery, 19. The deaths from all causes corresponded to an annual rate of 17·8 a thousand. In greater London 1,883 deaths were registered, corresponding to an annual rate of 16·5 a thousand of the population. In the "outer ring" the deaths included 27 from diphtheria, and 6 from measles.

*Ireland.*—The average annual death rate represented by the deaths registered during the week ended October 27 in the 16 principal town districts of Ireland was 19·3 a thousand of the population. The lowest rate was recorded in Wexford, viz, 4·5, and the highest in Sligo, viz,



## 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.
Girgenti.....	Oct. 20.....	23,847	9									
Glasgow.....	Oct. 20.....	686,820	243					2	4	6		
Glasgow.....	Oct. 27.....	686,820	245					5			7	
Göthenburg.....	Oct. 20.....	108,000	35						1	3		4
Guelph.....	Nov. 3.....	10,689	3									1
Halifax.....	Oct. 28.....	38,700	18						3			
Hamburg.....	Oct. 20.....	598,372	167						4	7	2	
Hamburg.....	Oct. 27.....	598,372	160						1	6	2	3
Hamilton.....	Nov. 2.....	15,013	0									
Havana.....	Nov. 1.....	198,620	121		11	4				2	1	
Kehl, Strasburg.....	Oct. 20.....	129,536	47					1		1		1
Kingston, Canada.....	Nov. 9.....	17,808	8									
Königsberg, Germany.....	Oct. 27.....	161,520								4	1	
Leeds.....	Oct. 27.....	388,761	154					1	2	1	1	
Leghorn.....	Oct. 27.....	102,956	30					2		2		
Liege.....	Oct. 27.....	155,898	44					1				2
Liverpool.....	Oct. 27.....	507,230	235			3	1	5	3	2	4	1
London, England.....	Oct. 27.....	5,948,300	1883					24	19	76	30	23
Lyons.....	Oct. 20.....	500,000	198					2		1		
Madras.....	Oct. 5.....	452,518	394								3	
Madrid.....	Oct. 14.....	482,816	310			14		6	4		1	
Manchester.....	Oct. 27.....	522,365	227					5	2	2	4	3
Mannheim.....	Oct. 20.....	88,000	32					5			4	
Marsala.....	Oct. 13.....	40,131	17									
Matamoras.....	Nov. 2.....	8,000	8									
Matanzas.....	Oct. 31.....	40,000	26		5							
Mayence.....	Oct. 27.....	72,000	17									
Messina.....	Oct. 27.....	90,000	40					1	7			
Montevideo.....	Oct. 6.....	232,280	75									
Moscow.....	Oct. 20.....	800,000	404			3	6	2	13	19		3
Munich.....	Oct. 20.....	390,000	175						1	5	1	8
Naples.....	Oct. 27.....	540,000	194				2					
Newcastle on Tyne.....	Oct. 27.....	201,947	74						1		3	
Nogales.....	Nov. 3.....	1,200								1		
Nuremberg.....	Oct. 13.....	159,773	47					1		2		
Odessa.....	Oct. 20.....	324,500	123				1	1	7	8	1	
Palermo.....	Oct. 20.....	153,055	113				1			5		
Plymouth.....	Oct. 27.....	85,610	34									
Prague.....	Oct. 20.....	192,120	105					1	1	9		
Rheims.....	Oct. 27.....	105,408	33								1	
Rio de Janeiro.....	Sept. 29.....	600,000	217			5		3				
Rio de Janeiro.....	Oct. 13.....	600,000	235		1	5		3				
Rome.....	Oct. 27.....	456,777	118					2		1		
Rotterdam.....	Oct. 27.....	228,597	100									
St. Petersburg.....	Oct. 13.....	1,100,000		4					15	13	3	7
Schiedam.....	Oct. 27.....	25,580	11									
Sheffield.....	Oct. 27.....	340,346	107					1		1	5	
Sonneberg.....	Oct. 20.....	12,000	5									
Stettin.....	Oct. 20.....	125,000	53					1	2	2	4	
Stockholm.....	Oct. 20.....	252,937	84						2	2	4	
Stuttgart.....	Oct. 25.....	139,659	39									
Sunderland.....	Oct. 27.....	130,302	70					3			3	
Swansea.....	Oct. 27.....	95,370	40									4
Teneriffe.....	Oct. 6.....	22,000	8									
Trapani.....	Oct. 20.....	43,095	7					1		1	2	
Trieste.....	Oct. 26.....	158,314	77						5	8		
Tuxpan.....	Oct. 27.....	10,280	11									
Venice.....	Oct. 20.....	158,187	47									
Vera Cruz.....	Nov. 1.....	25,500	13		1							
Warsaw.....	Oct. 20.....	575,654	224			5			20	22		2
Zurich.....	Oct. 13.....	122,000	31							3		
Zurich.....	Oct. 20.....	122,000	45				1			3		

By authority of the Secretary of the Treasury :

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